

Contract CR2005
Provision of Services to Conduct Environmental Impact Study

Environmental Impact Study (Turf City and Holland Plain)

Study Stage: Final

Volume 5 of 5

Submitted by:
AECOM Singapore Pte Ltd

Submitted to:
Land Transport Authority

07 October 2022

Appendix A

Environmental Impact Register

Environmental Aspect	Description of Receptor		Potential Activities Causing Impact	Minimum Controls *(Good practices in addition to LTA's General Safety, Health and Environmental specifications)*	Significance of Potential Impact (assumes implementation of minimum controls)			Mitigation Measures	Significance of Residual Impact (with Mitigated Scenario)	Description of Monitoring Required	Close Up Actions
	Receptor	**Value/ Sensitivity**			**Specific Parameter** *(e.g. Leq 12 hrs/ Leq 1 hr, CO, NO2, PM10, TSS etc)*	**Time Zone** *(E.g. Morning / evening/ night)*	**Impact Significance (with Base Scenario)**				
General	N/A	N/A	Exclusion of the evaluation of certain environmental impacts where detailed design is not available for review at the time of writing this report	• This EIS was conducted based on preliminary worksite design. • The current worksite design excludes any inputs in terms of locations of piezometers, utilities/ road diversion areas, site elements (e.g. workers dormitory, detention tank, site office etc.). • If this be available at later stage, the Contractor shall update the findings of this EIS.	N/A	N/A	N/A	N/A	N/A	N/A	CT
Biodiversity	Windsor Nature Park (Habitats)	Priority 1, 2 & 3	Loss/reduction of habitats Habitat degradation Change in species composition	•Trees that are to be retained within worksite would require an arborist to clearly mark out Tree Protection Zones where no works are allowed. The Tree Protection Zones should be set up in accordance with NParks guidelines. •Before vegetation removal, pre-felling fauna inspection should be conducted by an Ecologist to identify wildlife or nesting structures that are being actively used such as bird nests, tree hollows, burrows and bamboos clusters. •Soil erosion control measures are to be executed once vegetation has been removed and soil is exposed. •Implement soil erosion control measures. •Implement dust control measures. •Proper storage of materials that are likely to leech harmful chemicals and fuel-powered equipment away from waterbodies or areas of high conservation value habitats. •Ensure noise levels are within approved limits. •Ensure vibration levels are within approved limits.	Flora and Fauna	No requirement	Negligible to Major	**Design Phase** • Optimisation and shift in worksite. **Construction Phase** • Ensure there are no works and disturbances to areas outside of work site, especially into areas of high conservation value. • Ensure any associated slope stabilisation and grading works will not impact topography of areas outside work site and, water quality and hydrology of the waterbodies within the Study Area. • To clearly mark out areas and plants with conservation value before the start of works to prevent unnecessary clearing. • To eliminate the need of removing bamboo clusters found within worksites as they are found to be potential roosting sites for the Critically Endangered bamboo bats (Tylonycteris spp.). Proper Tree Protection Zones (TPZs) should be established to ensure proper conservation of these bamboo clusters. • Transplant or harvest trees/saplings of conservation significance if they are to be cleared. • Conduct regular flora inspections to ensure contractor compliance and identify any impacts/unnecessary clearance in adjacent forest areas. • It is recommended to avoid felling trees and clearing vegetation during the peak bird breeding season (March to July). • Wildlife shepherding via directional clearing should be adopted over the usual site clearance. • Quieter construction machinery/equipment should be used over loud and noisy machinery/equipment whenever possible. • Set up sound-proof hoarding to reduce disturbances during construction works. • Noisy work activities should only be allowed from 0900–1700-h. • It is recommended that night-time works should be avoided to prevent disturbance to nocturnal fauna; restrict working hours to 0700–1900-h. If night-time works are essential, it is recommended to adopt a reduced lighting framework. • Worksite with a relatively higher chance of road kill, such as Windsor and Eng Neo Avenue Forest, are recommended to adopt road calming measures such as speed bumps, coupled with other mitigation measures such as restriction on speed of vehicles and working time. • Conduct regular fauna site inspections to ensure contractor compliance and to identify potential fauna entrapments. • Train site personnel on biodiversity awareness and actions to take when encountering wildlife. • Execute fauna response and rescue protocol when fauna is found on-site. • Ensure silt fences or other silt control measures along the site hoarding are installed and maintained properly. • Practise due diligence in proper storage and handling of machinery to prevent leaching of oil or harmful materials such as bentonite slurry. Store and handle harmful materials well away from water bodies. • Engage a Qualified Erosion Control Professional (QECP) to formulate and implement ECM plan in accordance with PUB requirements. • Implement dust control measures such as dust screens and water suppression systems. • Conduct regular fauna surveys in the adjacent forest to monitor the sensitive biodiversity utilising forest adjacent to the worksite. This also includes monitoring the water quality and aquatic faunal community in retained streams and streams adjacent to the construction areas. • Execute vibration monitoring construction phase data collection. Location and details to refer to EIS Report Section 12.2.3.3.5.	Negligible to Moderate	**Flora and Arboriculture** • Assessment of tree physiological health and vigour. • Determination of presence of mechanical damage to trees that may impair stability. • Identification of excessive or unauthorized tree removal. • Identification of trees that require management and maintenance such as tree care and pruning. • Determination of any unauthorized removal of flora within areas of conservation (if any) or beyond the demarcated worksite. • Identification of areas with soil erosion and degradation that have resulted from construction activities. • Determination of unauthorized dumping of waste material, construction debris or oil/chemical leakage that may contaminate the soil and waterbodies, and/or be detrimental to the vegetation. • Identification of areas that are responding poorly due to the development impacts. **Fauna** • Implementation pre-fauna inspection during directional clearing. • Assessment of adjacent forest habitat (e.g., water quality, excessive vegetation removal). • Inspection for presence of trapped/injured/dead fauna, potential fauna entrapments and gaps in site hoarding. • Toolbox briefings on biodiversity awareness. • Conduct biodiversity survey to monitor construction impacts on fauna activity and presence. • Recording of number of number of occurrences of human-wildlife conflict.	ECO, CT, Ecologist, Flora Specialist and Arborist
	Eng Neo Avenue Forest (Habitats)	Priority 1, 2 & 3					Negligible to Major		Negligible		
	Forested Area Adjacent to Fairway Quarters (Habitats)	Priority 1, 2 & 3					N/A. Worksite is not located here during base scenario.		Negligible to Major		
	Windsor Nature Park (Floral Species)	Priority 1, 2 & 3	Mortality Impediment to seedling recruitment Impediment to seedling recruitment Competition from exotic plant species Decline in plant health and survival				Negligible to Major		Negligible to Minor		
	Eng Neo Avenue Forest (Floral Species)	Priority 1, 2 & 3					Negligible to Major		Negligible to Minor		
	Forested Area Adjacent to Fairway Quarters (Floral Species)	Priority 1, 2 & 3					N/A. Worksite is not located here during base scenario.		Negligible to Major		
	Windsor Nature Park (Faunal Species)	Priority 1, 2 & 3	Loss of/reduction in habitats and food sources Injury or mortality Loss of ecological connectivity for faunal movement				Negligible to Major		Negligible to Moderate		
	Eng Neo Avenue Forest (Faunal Species)	Priority 1, 2 & 3					Negligible to Major		Negligible to Minor		
	Forested Area Adjacent to Fairway Quarters (Faunal Species)	Priority 1, 2 & 3					N/A. Worksite is not located here during base scenario.		Negligible to Minor		
Hydrology and Surface Water Quality	D/S15 (Site I and II)	Priority 1	Solid & toxic waste generation on water quality	Site clearance, earthworks and general construction activities at launch/retrieval shafts, the open cut and the C&C works (e.g. clearing and preparation, trench excavation, backfill, soil mixing, compaction, spoil handling and transport, building of permanent structures, utilities diversion including diversion of water pipes and stormwater drains along the Project, etc.) - Development of a Standard Operation Procedure (SOP) for safe handling, transfer, storage and disposal of solid waste; - Effective ECM and monitoring implemented as required in the Code of Practice on Surface Water Drainage to ensure that discharge into the stormwater drainage system does not contain TSS in concentrations greater than the prescribed limits under the Sewerage and Drainage (Surface Water Drainage) Regulations; - ECM measures include but are not limited to minimisation of formation of bare soil, coverage of all bare/erodible surfaces, slope stability, concrete cut-off drains, silt fences/traps along the perimeter cut-off drain, turbidity curtains for works adjacent to watercourses, etc.; - Implementation of CCTV including SIDS at the public drain to monitor the surface runoff discharges from the sites as per the Public Utilities Board of Singapore's (PUB) circular on Preventing Muddy Waters from the Construction Sites (October 2015); - Provision of enclosed bins and waste disposal facilities cleared up as often as necessary to prevent build-up. Housekeeping checks will be carried out once a day to ensure all litter is cleared from site; - Hazardous substances and toxic wastes should be stored on hard stand, under shelter with a kerb around the storage area;	Water Quality - parameters listed in NEA's Allowable Limits for Trade Effluent Discharge for all discharge points; parameters listed in Water Quality Criteria for Aquatic Life for stream/drain (i.e. and D/S16).	No requirement	Negligible	No additional mitigation measures are proposed beyond minimum controls.	Negligible	- One time monitoring for all water quality parameters at all discharge point locations, naturalised stream D/S16 before construction works commencement. - One time monitoring for hydrological conditions of stream/drain and discharge locations of construction sites (i.e. capacity and baseflow) before construction works commencement. - Online real time monitoring for total suspended solids at the discharge point location at all the construction sites throughout the construction period. - Monthly monitoring for temperature, pH, conductivity, total dissolved solids and dissolved oxygen at all the discharge point locations at the construction sites throughout the construction period.	CT, EM/ECO
	D/S16 (Site I and II)	Priority 1					Major	- Box culvert integration to ensure that D/S16 continuous perennial flow is retained. Conduct flow diversion prior to box culvert integration., The diversion should follow PUB's Code of Practice on Surface Water Drainage.	Moderate		
	D/S8 (Site III)	Priority 1					Minor	No additional mitigation measures are proposed beyond minimum controls. But the mitigated scenario was found to increase the impacts to water quality to Moderate.	Moderate		
	D/S3 (Site IV)	Priority 1					Minor	No additional mitigation measures are proposed beyond minimum controls.	Minor		
	D/S5 (Site IV)	Priority 1					Minor	No additional mitigation measures are proposed beyond minimum controls.	Minor		

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	Receptor	**Value/ Sensitivity**			**Specific Parameter** *(e.g. Leq 12 hrs/ Leq 1 hr, CO, NO2, PM10, TSS etc)*	**Time Zone** *(E.g. Morning / evening/ night)*	**Impact Significance (with Base Scenario)**				
	D/S4 (Site V)	Priority 1		- All wastes will be disposed only in the designated waste disposal facilities and appropriately separated, i.e. by trained workers to properly sort and label the different types of waste (reusable and recyclable waste, toxic and non-toxic waste, etc.); and - Appropriate disposal of any waste listed in the Environmental Public Health (General Waste Collection) Regulations by licensed waste operator/collector.			Minor	No additional mitigation measures are proposed beyond minimum controls.	Minor	- Monthly monitoring for biochemical oxygen demand, chemical oxygen demand, total nitrogen, nitrate, total phosphorus, orthophosphate, oil & grease - total, oil & grease - hydrocarbon, lead, zinc mercury, enterococcus, ammoniacal nitrogen, total organic carbon, total alkalinity at all the discharge point locations at the construction sites throughout the construction period. - Bi-weekly monitoring for all the in-situ parameters (i.e. temperature, pH, conductivity, total dissolved solids, total suspended solids, turbidity and dissolved oxygen) at the sensitive natural stream with high ecological importance, D/S16 throughout the construction period. - Bi-weekly monitoring for all the ex-situ parameters (i.e. biochemical oxygen demand, chemical oxygen demand, total nitrogen, nitrate, total phosphorus, orthophosphate, oil & grease - total, oil & grease - hydrocarbon, lead, zinc mercury, enterococcus, ammoniacal nitrogen, total organic carbon, total alkalinity) at D/S16 with high ecological importance throughout the construction period. - Monthly monitoring of in-situ parameters (i.e. temperature, pH, conductivity, total dissolved solids, total suspended solids, turbidity and dissolved oxygen) at the recreated freshwater marsh to be conducted during the construction phase of CR15 entrance at Site V. - Monthly monitoring of ex-situ parameters (i.e. biochemical oxygen demand, chemical oxygen demand, total nitrogen, nitrate, total phosphorus, orthophosphate, oil & grease - total, oil & grease - hydrocarbon, lead, zinc mercury, enterococcus, ammoniacal nitrogen, total organic carbon, total alkalinity) at the recreated freshwater marsh to be conducted during the construction phase of CR15 entrance at Site V. -Hydrological conditions of drainage system within construction site and at immediate vicinity should also be closely monitored during construction phase. Before draining to public drains or waterbodies, surface runoff from the construction site should be drained to the ECM treatment system to be filtered and to reduce peak runoff. The hoarding and perimeter drains should be inspected daily to ensure no surface runoff flowing out from the site untreated and no clogging which would affect the flow capacity of the drains/streams. During heavy storm event, site inspection should be carried out to ensure no flooding. Monthly audit on the site should also be carried out by EMMP consultant.	
	D/S15 (Site I and II)	Priority 1	Liquid effluent generation and stormwater run-off on hydrology	Construction wastewater resulting from site clearance, excavation, tunnelling, etc. - A full inventory of all anticipated wastewater streams and volumes should be finalised before the onset of the construction works; - No unmanaged discharge of wastewater stream permitted; - Reduce, reuse, and recycle hierarchy principle to be applied to wastewater on-site; - Regular audits on environmental management procedures will be carried out on site; - No hazardous liquids to be sent to the detention pond/tank; - Hazardous wastewater, such as oily water, thinners, solvents, or paints should be stored on hard stand, under shelter with a kerb around the storage area. The wastewater should be removed for treatment and disposal off-site by an approved Waste Management Contractor. Hazardous liquids to be handled as Hazardous Waste; - Containment pond/kerbs will be of impervious material and be designed with sufficient capacity to hold volumes of wastewater produced on-site and potential fire-fighting wastewater. Contractor will seek for comment and approval from relevant authorities (e.g. SCDF and NEA) on the treated wastewater to be used for firefighting purpose; - ECM tanks/ponds will be designed in sufficient capacity to hold the turbid stormwater prior to treatment at the ECM facility; - Temporary storage volumes should be provided for overflow situations. Temporary storage with sufficient capacity will capture any expected additional volumes to ensure untreated wastewater is not released to watercourses unless it complies with Singapore NEA Guidelines on trade effluent discharge concentrations; - A responsible person (e.g. ECO) to be assigned to oversee the efficient operation of the containment pond/kerbs where 'Good Housekeeping' practices would be adhered to. Also, the area would be carefully managed to avoid spills, leaks, and odour issues, with the containment pond/kerbs checked at least daily to ensure proper functionality; - Daily record volume of wastewater, as well as volumes of sludge and other produced wastes; - Contractor will need to seek approval from relevant authorities (i.e. PUB & NEA) as per PUB Sewerage and Drainage (Trade Effluent) Regulations if the wastewater will be disposed to public sewer or NEA's Trade Effluent Discharge Limits to controlled watercourse if the treated trade effluent will be disposed to surface watercourses. If such discharges are not approved, the trade effluent will be stored, treated or recycled on site and finally disposed off-site; - The discharge of pumped dewatered groundwater or other wastewaters to sensitive aquatic habitats will be prohibited (e.g. natural stream within Site I); - Tunnel washing effluent should be discharged to containment pond/kerbs that manually collected by operator assigned private wastewater collector to be transferred to wastewater treatment plant; - The containment pond/kerbs, as well as wastewater generating areas on-site, to be equipped with spill clean-up kits; - Adequate drainage, cut-off drains sump pit, road kerb, piping and toe wall will be designed for channelling of construction process wastewater (e.g. concrete batching, wash water, etc.) and stormwater runoff separately through detailed design for capture and treatment in the containment pond/kerbs. Where applicable (e.g. in the vicinity of liquid storage or refuelling areas), this infrastructure will include oil-water separators to capture inadvertent spills or leaked oils or greases; - Implement a construction EMMP and ensure full preparation of associated plans and procedures including the following: >EMMP to include SOPs, an Emergency Response Plan (ERP), an inventory of wastewater streams, training of staff as well as an inspection, maintenance and audit schedule; and >Full development of EMMP Wastewater Management Procedures to include dedicated management and monitoring procedures that covers all eventualities related to the proper operation of the containment pond/kerbs, or any other wastewater discharge location/equipment. - Regular and dedicated procedures for the inspection and maintenance of wastewater (i.e. trade effluent) collection, storage, and treatment infrastructure, such as pipes, oil water separators, silt screens, etc.; - Regular and dedicated procedures for the management of stormwater collection, settling, testing and eventual discharge of 'clean' water to watercourses. This should also include associated measures required to prevent high sediment concentration stormwater drainage to watercourses; and - A training programme for all on-site workers, including sub-contractors, in relation to their obligations for ensuring proper water quality management. - Routine monitoring and maintenance of the ECM treatment plant-related equipment, especially the pipeline discharging treated effluent to targeted surface water drain; and - Spare pumps, piping and other ancillary equipment will be stored at the worksite for redundancy to enable prompt replacements/repairs are made to allow for smooth operation of the ECM system at all times. - Runoff within, upstream of, and adjacent to the worksite will be effectively drained away without causing flooding in the vicinity; - Potential increase of peak-flow due to the change in the land use at the worksite can be mitigated by providing detention tanks/ponds within the Study Area. Detention tanks/ponds can capture stormwater during heavy storm events to reduce the peak runoff. - Geotechnical aspect of site's slope stability (such as Earth Retaining and Stabilising structures (ERSS) to be included in detailed design engineering for the construction stage; and - The design engineers for detailed design may need to ensure that Earth Retaining Stabilisation structures (ERSS) are proposed when the site is cleared and excavated. Concurrently the ECO must ensure that these measures are implemented in the construction phase, as cutting of slopes may result in slope instability.	Hydrology - Existing drain/stream capacity, baseflow, storage of runoff.		Negligible	No additional mitigation measures are proposed beyond minimum controls.	Negligible		
	D/S16 (Site I and II)	Priority 1					Major	- Box culvert integration to ensure that D/S16 continuous perennial flow is retained. Conduct flow diversion prior to box culvert integration., The diversion should follow PUB's Code of Practice on Surface Water Drainage.	Minor		
	D/S8 (Site III)	Priority 1					Moderate	• Flow diversion or construction of culvert at D/S8 (subject to Contractor's design at a later stage) before temporary access road construction and backfilling of upstream section of D/S8. The diversion should follow PUB's Code of Practice on Surface Water Drainage. • Discharge treated runoff (i.e. treated to meet NEA Trade Effluent Discharge Limits) to maintain its existing flow.	Minor		
	D/S3 (Site IV)	Priority 1					Minor	No additional mitigation measures are proposed beyond minimum controls.	Minor		
	D/S5 (Site IV)	Priority 1					Minor	No additional mitigation measures are proposed beyond minimum controls.	Minor		
	Ponds at Site IV (Site IV)	Priority 3					Negligible	No additional mitigation measures are proposed beyond minimum controls.	Negligible		
	D/S4 (Site V)	Priority 1					Minor	No additional mitigation measures are proposed beyond minimum controls.	Minor		
	Freshwater Marsh (Site V)	Priority 1					Minor	No additional mitigation measures are proposed beyond minimum controls.	Minor		
	D/S15 (Site I and II)	Priority 1	Liquid effluent generation and stormwater run-off on water quality	<u>Storage and disposal of domestic liquid wastes</u> - Provision of portable toilets and on-site septic tank; - Regular cleaning of the portable toilets and clearing of sewage waste; - Appropriate location of toilet facilities away from any nearby watercourses; - Inspections and audits to ascertain the hygienic conditions onsite; - The toilet facilities will be placed at least 30 m away from any nearby watercourse; - Training of workers on the best practices to contribute in environmental protection; and - Appropriate disposal of any waste listed in the Environmental Public Health (General Waste Collection) Regulations by licensed waste operator/collector regardless the wastes to be disposed off-site or discharged to public sewer. - Surface Water Drainage, to be endorsed by a Qualified Erosion Control Professional (QECP) and submitted to PUB; - Implementation of the ECM plan before the start of any construction work; - Effective ECM and monitoring implemented as recommended in the Code of Practice on Surface Water Drainage to ensure that discharge into stormwater drainage system does not contain TSS in concentrations greater than the prescribed limits under the Sewerage and Drainage (Surface Water Drainage) Regulations; - ECM measures include but are not limited to minimisation of formation of bare soil, coverage of all bare/erodible surfaces, concrete cut-off drains, silt fences/traps along the perimeter cut-off drain, turbidity curtains for works adjacent to watercourses (i.e. canals, drains, streams), etc. - Implementation of CCTV including a SIDS at the public drain to monitor the surface run-off discharges from the sites as per the PUB circular on Preventing Muddy Waters from the Construction Sites (October 2015); - Runoff within, upstream of, and adjacent to the worksite shall be effectively drained away without causing flooding in the vicinity; - Manholes should always be adequately covered and temporarily sealed; - Protection of stockpiles with erosion blanket coverage and proper scheduling of the demolition and earthworks to reduce the quantity of stockpiles to be stored onsite; - Coverage of temporary/open storage of excavated materials; - All vehicles should run via wheel washing process before leaving the site to ensure no earth, mud, debris, etc., is deposited on roads; and the wastewater hence generated should be stored and removed for treatment and disposal off-site by an approved Waste Management Contractor; and - Appropriate permits for discharge to be obtained from relevant authority prior to discharge. No trade effluent other than that of a nature or type approved by NEA Director-General shall be discharged into any watercourse or land. <u>Stormwater run-off generation (Stormwater Quality)</u> - ECM measures include but are not limited to minimisation of formation of bare soil, coverage of all bare/erodible	Water Quality - parameters listed in NEA's Allowable Limits for Trade Effluent Discharge for all discharge points; parameters listed in Water Quality Criteria for Aquatic Life for stream/drain (i.e. D/S16).		Negligible	No additional mitigation measures are proposed beyond minimum controls.	Negligible		
	D/S16 (Site I and II)	Priority 1					Major	- Box culvert integration to ensure that D/S16 continuous perennial flow is retained. Conduct flow diversion prior to box culvert integration., The diversion should follow PUB's Code of Practice on Surface Water Drainage.	Moderate		
	D/S8 (Site III)	Priority 1					Minor	No additional mitigation measures are proposed beyond minimum controls. But the mitigated scenario was found to increase the impacts to water quality to Moderate.	Moderate		
	D/S3 (Site IV)	Priority 1					Minor	No additional mitigation measures are proposed beyond minimum controls.	Minor		

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	Receptor	**Value/ Sensitivity**			**Specific Parameter** *(e.g. Leq 12 hrs/ Leq 1 hr, CO, NO2, PM10, TSS etc)*	**Time Zone** *(E.g. Morning / evening/ night)*	**Impact Significance (with Base Scenario)**				
	D/S5 (Site IV)			- ECM measures include but are not limited to minimisation of formation of bare soil, coverage of all bare/erodible surfaces, concrete cut-off drains, silt fences/traps along the perimeter cut-off drain, turbidity curtains for works adjacent to watercourses (i.e. canals, drains, streams), etc.; - Adequate drainage, piping and/or channelling of stormwater run-off to be assured through detailed design for capture and treatment before discharge into surface watercourses; - Regular and dedicated procedures for the inspection and maintenance of stormwater collection, storage, and treatment infrastructure, such as pipes, oil water separation, silt screens, etc.; and - Regular and dedicated procedures for the management of stormwater collection, settling, testing and eventual discharge of 'clean' water to surface waters. This should also include associated measures required to prevent high sediment concentration stormwater drainage to surface waters; <u>Stormwater run-off generation (Hydrology)</u> - Runoff within, upstream of, and adjacent to the worksite shall be effectively drained away without causing flooding in the vicinity; - Potential increase of peak-flow due to the change in the land use at the worksite can be mitigated by providing detention tanks or ponds within the Study Area. Detention tanks or ponds can capture stormwater during heavy storm events to reduce the peak runoff; - Geotechnical aspect of site's slope stability (such as Earth Retaining and Stabilising structures (ERSS) to be included in detailed design engineering for the construction stage; and - The design engineers for detailed design may need to ensure that Earth Retaining Stabilisation structures (ERSS) are proposed when the site is cleared and excavated. Concurrently the ECO must ensure that these measures are implemented in the construction phase, as cutting of slopes may result in slope instability.			Minor	No additional mitigation measures are proposed beyond minimum controls.	Minor		
	D/S4 (Site V)	Priority 1					Minor	No additional mitigation measures are proposed beyond minimum controls.	Minor		
	D/S15 (Site I and II)	Priority 1	Improper management of chemical substances on water quality	<u>Use, storage and disposal of chemical substances refuelling activities</u> - Development of SOP for safe handling, transfer and storage of toxic waste; housekeeping checks once a day to ensure all toxic waste is cleared from site; - Appropriate tests to ascertain the presence/absence of contamination of the excavated earth and sand; - Appropriate fully sheltered storage area with storage volume to be 110% of the largest volume of chemical substances to be stored (kerb up and enclosed on at least 3 sides, covered and with adequate ventilation); - Appropriate construction material for toxic waste storage containers with leak detection tests conducted periodically; - Provision of secondary containment for all toxic waste stored in bulk as per the requirements in the COPPC/SS593; - Preparation of an emergency response plan, training of the emergency response team (ERT) to be competent in the response mechanism and provision of response kits for any spillages; - Consignment notification/tracking system and transport emergency response plan for transport of toxic waste; and - Appropriate disposal of toxic waste as per required in the Environmental Public Health (Toxic Industrial Waste) Regulations by licensed waste operator/collector.	Water Quality - parameters listed in NEA's Allowable Limits for Trade Effluent Discharge for all discharge points; parameters listed in Water Quality Criteria for Aquatic Life for stream/drain (i.e. D/S13 and D/S16).		Negligible	No additional mitigation measures are proposed beyond minimum controls.	Negligible		
	D/S16 (Site I and II)	Priority 1					Major	- Box culvert integration to ensure that D/S16 continuous perennial flow is retained. Conduct flow diversion prior to box culvert integration., The diversion should follow PUB's Code of Practice on Surface Water Drainage.	Moderate		
	D/S8 (Site III)	Priority 1					Minor	No additional mitigation measures are proposed beyond minimum controls. But the mitigated scenario was found to increase the impacts to water quality to Moderate.	Moderate		
	D/S3 (Site IV)	Priority 1					Minor	No additional mitigation measures are proposed beyond minimum controls.	Minor		
	D/S5 (Site IV)	Priority 1					Minor	No additional mitigation measures are proposed beyond minimum controls.	Minor		
	D/S4 (Site V)	Priority 1					Minor	No additional mitigation measures are proposed beyond minimum controls.	Minor		

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Soil and Groundwater & Waste	Soil and Groundwater within the Project Site	Priority 3	• Site Clearance, levelling and land grading works • Construction of shaft, station boxes, facility buildings and other infrastructures • Excavation of cut and cover areas • Stockpiling of excavated soil from cut and cover areas and tunnel boring activities •Improper management and disposal of excavated soils and/or groundwater during excavations and tunnel boring activities •Improper handling, transfer and storage of toxic chemical waste •Improper handling, transfer, refuelling and storage of chemicals (e.g. diesel, bentonite, lubricants, oils, grease, paints, solvents, waste treatment chemicals, etc.) generated during construction activities.	• Install piezometers to monitor the changes in groundwater level in compliance with Building Control Regulations 2003 as part of its instrumentation and monitoring plan to be endorsed by the Qualified Professional (QP). • Proper Earth Retaining Stabilising Structures (ERSS) should be selected and designed to limit groundwater settlement. • Identify all types of toxic chemical waste and implement comprehensive waste management system at the site in order to ensure proper disposal and prevent pollution to the environment. This contractor should conduct a construction risk assessment and prepare a comprehensive construction health, safety and environment plan. If health impacts to workers are foreseen due to the handling of such waste, necessary precautionary measures as per the safety data sheets (SDS) including personal protective equipment should be implemented on site. • Inspect all equipment prior to entering the site for fuel/hydraulic lines, leaking tanks, and other potential faulty parts that could potentially cause contamination to soil or groundwater. • Dispose all construction debris (under category C&D) at the gazetted Government dumping grounds or at such other sites or locations as directed by NEA. • Store generated toxic chemical waste under shelter within concrete bund walls or in storage containers with good ventilation. Spill trays shall be provided for all waste containers Spill trays shall be regularly maintained to prevent rain from washing out the pollutive substances. • Note that the Earth Control Measures (ECM) is for the containment and treatment of silty discharge due to the impact of rainwater. ECM is not meant for the treatment of wastewater due to construction activities (such as pipe-jacking and bore-piling works) which shall be treated to comply with the requirements under prevailing legislation. • The wastewater from tunnelling activities should be stored and removed for treatment and disposal off-site by an approved Waste Management Contractor; • Remove any hazardous substance or chemical if there are safer alternatives. • Ensure all hazardous substance and chemical containers are labelled its movement is recorded and returned to the designated storage areas when not in use. • Assess the SDS of all the hazardous substances and chemicals prior to its entry to site for its suitability in terms of SHE hazards and consider safer alternatives. • Ensure no trade effluent other than that of a nature or type approved by NEA Director-General shall be discharged into any watercourse or land. • Ensure all activities involving repair, servicing, engine overhaul works, etc. shall be carried out on an area which is appropriately contained (e.g. concreted area and with proper containment/sumps) and all wastes are channelled for appropriate treatment or disposal to meet the regulations. • Store chemicals stored under shelter within concrete bund walls or in storage containers with good ventilation. • Spill trays shall be regularly maintained to prevent rain from washing out the pollutive substances. • Provide emergency spill kits on site in the event of any chemical spillages. The emergency response team shall also be competent in the use of these spill kits. • Handling and disposal of excavated soils following the procedure in Tab 6. This flow chart explains how to handle excavated soils, and identify potential areas of contamination as well as potential of contamination (POC) in excavated soils. If the POC soils are tested for exceedance in Dutch intervention values (DIV), the soils can be disposed of to toxic waste collectors or undergo soil treatment. If contaminated soils were sent for treatment to an acceptable standard such as the DIV, the treated soils can be disposed in the staging ground or through a general waste collector depending on the level of the contaminants during the staging ground testing. • Discharge of extracted groundwater shall be to an area approved for such disposal by the NEA following the process set out in Tab 7. Preliminary screening of the results from the three boreholes within the Project area showed that there were no exceedances of the DIV recorded for soils or groundwater samples. However, it is recommended that the construction contractor to be vigilant of site conditions and extracted groundwater to be tested at regular intervals. If a contamination beyond DIV is detected, the Contractor shall assess the potential inhalation and dermal impacts of the chemical identified and on the health and safety of exposed to groundwater before commencement of construction activities. Such contaminated wastewater may need to be disposed of to a licensed toxic waste collector.	Toxic Chemical Waste Generation and Improper Handling of Hazardous Chemicals/ Substances	-	Minor	No additional mitigation measures are proposed beyond minimum controls	N/A	Groundwater level continuous monitoring within the development boundary throughout the lifetime of the construction phase as per the instrumentation and monitoring plan developed by the QP. At locations within the project site where toxic chemical waste are stored - Records on chemical waste from the waste generator should be properly kept and records produced when requested. At locations within the project site where hazardous chemicals/ substances are used/ stored - Inspection of hazardous chemicals/ substances storage condition weekly during construction phase. Environmental audits to be conducted quarterly during construction phase.	CT, EM/ECO
	Streams with biodiversity conservation significance where groundwater flow partially supporting the stream ingress from the construction worksites and operational footprint	Priority 2									
Air Quality	**CR14 Construction Worksite**	Priority 1 to Priority 2	1. Dust emissions generated by earthworks processes at worksites 2. Dust emissions generated by the construction of new structures 3. Fugitive dust emissions from dumper trucks transporting spoil 4. Fugitive dust emissions from demolition activities 5. Gaseous emission from vehicle exhaust 6. Gaseous emissions from off road diesel engines on-site	The following control measures should be observed during the construction stage to reduce the noise levels: - The construction footprint shall be hoarded on all sides; and - Road construction or expansion shall be completed first and paved where possible before the construction of other development commences.	Fugitive dust emissions, Particulate Matter (PM_{10} and $PM_{2.5}$) and Gaseous Emissions (NO_2 and CO)	6am to 10pm (Monday to Saturday)	Moderate to Major	GENERAL MITIGATION MEASURES TO BE IMPLEMENTED THROUGH OUT CONSTRUCTION PERIOD: 1. Develop and implement a stakeholder communications plan that includes community engagement before work commences on site. 2. Display the name and contact details of person(s) accountable for air quality and dust issues on the site boundary. This may be the environment manager/engineer or the site manager. 3. Develop and implement an Air Pollution Control Plan (APCP). 4. Record all dust and air quality complaints, identify cause(s), take appropriate measures to reduce emissions in a timely manner, and record the measures taken. 5. Make the complaints log available to the local authority when asked. 6. Record any exceptional incidents that cause dust and/or air emissions, either on-site or off- site, and the action taken to resolve the situation in the log book. 7. Hold liaison meetings with other high risk construction sites within 500m of the site boundary, to ensure plans are coordinated and dust and particulate matter emissions are minimised. 8. Undertake regular (daily frequency recommended) on-site and off-site inspections and record results. The log should be made available to the NEA or other Government Agencies if required. Inspections should include regular dust soiling checks of surfaces such as street furniture, cars and window sills within 100m of site boundary. Cleaning should be provided if necessary. 9. Carry out regular site inspections to monitor and record compliance with the Air Pollution Control Plan. 10. Increase the frequency of site inspections during prolonged dry or windy conditions. 11. Plan site layout so that machinery and dust causing activities are located away from receptors, where possible. 12. Erect hoarding around dusty activities and at the site boundary wherever possible. Boundary screens should be at least as high as any stockpiles or dust emission sources on site. 13. Fully enclose specific activities where there is a known high potential for dust production and the site will be active for an extensive period of time. 14. Keep site fencing, barriers, and scaffolding clean by cleaning regularly using wet methods (dry methods may give rise to fugitive dust). 15. Remove materials that have the potential to produce dust from site as soon as possible, unless being re-used on site. If they are being re-used on-site, stockpiled material should be covered, seeded, fenced or enclosed to prevent fugitive dust formation. 16. Ensure all vehicles and engine powered equipment comply with the legislative requirements of Singapore. 17. Ensure all vehicles and equipment switch off their engines when stationary – i.e. no idling vehicles or engines. Clear signs shall be erected at site entrance to inform all visitors. 18. Where practicable, avoid the use of diesel- or petrol-powered generators and use mains electricity or battery powered equipment. 19. Impose and signpost a maximum-speed-limit of 25 km/hr on paved or surfaced haul roads and 15 km/hr on unpaved haul roads and work areas within worksite area only. 20. Produce a Construction Logistics Plan to manage the sustainable delivery of goods and materials. 21. Only use cutting, grinding or sawing equipment fitted with, or in conjunction with, suitable dust suppression techniques such as water sprays or local extraction e.g. local exhaust ventilation system. 22. Ensure an adequate water supply on the site for effective dust/particulate matter suppression/ mitigation, using non-potable water where possible and appropriate. 23. Use enclosed chutes and conveyors and covered skips wherever possible. 24. Minimise drop heights from conveyors, loading shovels, hoppers, and other loading or handling equipment and use fine water sprays on such equipment wherever appropriate. 25. A stringent "Clean as you go" Policy should be implemented on site to ensure no loose dry material is left exposed when not in use. Equipment should be readily available on site to clean any dry spillages, and cleaning should be conducted as soon as reasonably practicable after the event using wet cleaning	Minor	- 1 week monitoring of PM10 and PM2.5 before commencement of construction works for re-establishment of baseline - Continuous dust deposition monitoring at Site I, II, III, IV and V during construction phase	CT, EM/ECO
	Site I										
	Site II										
	Site III										

Environmental Aspect	Description of Receptor		Potential Activities Causing Impact	Minimum Controls *(Good practices in addition to LTA's General Safety, Health and Environmental specifications)*	Significance of Potential Impact (assumes implementation of minimum controls)			Mitigation Measures	Significance of Residual Impact (with Mitigated Scenario)	Description of Monitoring Required	Close Up Actions
	Receptor	**Value/ Sensitivity**			**Specific Parameter** *(e.g. Leq 12 hrs/ Leq 1 hr, CO, NO2, PM10, TSS etc)*	**Time Zone** *(E.g. Morning / evening/ night)*	**Impact Significance (with Base Scenario)**				
	CR15 Construction Worksite	Priority 1 to Priority 2			Fugitive dust emissions, Particulate Matter (PM_{10} and $PM_{2.5}$) and Gaseous Emissions (NO_2 and CO)	6am to 10pm (Monday to Saturday)	Moderate to Major	MITIGATION MEASURES FOR EARTHWORKS: 1. Re-vegetate earthworks and exposed areas/soil stockpiles to stabilise surfaces as soon as practicable. 2. Use Hessian, mulches or soil tackifiers where it is not possible to re-vegetate or cover with topsoil, as soon as practicable. 3. Only remove the cover in small areas during work and not all at once. MITIGATION MEASURES FOR CONSTRUCTION: 1. Avoid scabbling (roughening of concrete surfaces) if possible. 2. Sand and aggregates shall be delivered in a dampened stage and shall be re-wetted before being dumped into storage bunker. 3. Drop heights at transfer points shall be minimized to lessen dust generation 4. Special covered area shall be provided for loading and unloading process 5. Water sprays or sprinklers shall be employed at conveyor transfer points 6. Ensure sand and other aggregates are stored in bunded areas and are not allowed to dry out, unless this is required for a particular process, in which case ensure that appropriate additional control measures are in place. 7. Ensure bulk cement and other fine powder materials are delivered in enclosed tankers and stored in silos with suitable emission control systems to prevent escape of material and overfilling during delivery. 8. For smaller supplies of fine power materials ensure bags are sealed after use and stored appropriately to prevent dust. 9. Vent shall be provided with efficient fixed filter bags to comply with the dust emissions criteria. 10. Silos shall not be filled up with cement more than 90% of its loading capacity, to avoid overfilling 11. Silos shall be equipped with overfill protection: audible high level sensor alarm and automatic shut-down switch, which could be activated to close when a problem is detected. MITIGATION MEASURES FOR TRACKOUT: 1. Use water-assisted dust sweeper(s) on the access and affected local roads, to remove, as necessary, any material tracked out of the site. This may require the sweeper being continuously in use. 2. Avoid dry sweeping of large areas. 3. Ensure vehicles entering and leaving sites are covered to prevent escape of materials during transport. 4. Inspect on-site haul routes for integrity and instigate necessary repairs to the surface as soon as reasonably practicable. 5. Record all inspections of haul routes and any subsequent action in a site log book. 6. Install hard surfaced haul routes, which are regularly damped down with fixed or mobile sprinkler systems, or mobile water bowsers and regularly cleaned. 7. Implement a wheel washing system (with rumble grids to dislodge accumulated dust and mud prior to leaving the site where reasonably practicable). 8. Ensure there is an adequate area of hard surfaced road between the wheel wash facility and the site exit, wherever site size and layout permits. 9. Site access gates to be located at least 10 m from receptors where possible.	Minor		
	Site IV										
	Site V										
Airborne Noise	Site I	Priority 1	Noise generated by the use of PME, (such as excavators, generators, pumps, cranes, etc.,) for various construction activities. Noise from trucks transporting spoil / equipment.	••Construction prohibition period should be followed, as per fourth schedule of Environment Protection and Management regulation; •Prepare a Construction Noise Management Plan, to establish baseline monitoring prior to site clearance, plan for monitoring during the construction phase, and procedure for complaint handling; •The Contractor shall review the equipment to be used on site and erect localised noise barriers prior to undertaking high noise generating work; •Machines (such as trucks) that may be in intermittent use shall be shut down between work periods or shall be throttled down to a minimum; •Only well-maintained plants shall be utilised on-site and plants shall be serviced regularly during the entire construction period; •The number of PMEs shall be reduced as far as practicable when construction works are carried out at areas close to the noise sensitive receivers: •Silencers or mufflers on construction equipment shall be utilised and shall be properly maintained during the construction programme; •Behavioural practices including no shouting, no loud stereos/ radios on site, no dropping of materials from height, no throwing of metal items shall be ensured; •Construction respite: Restrict high noise generating drilling activities only in continuous blocks, not exceeding 3 hours each, with a minimum respite period of one hour between each block, if possible; •Periodic noise monitoring by an independent third party, to establish compliance with requirements and to advise on equipment causing concern, and additional potential mitigation measures; •Plan the layout of the site by considering using materials and other large structural equipment as noise barriers; •Plant known to emit noise strongly in one direction shall, wherever possible, be orientated so that the noise is directed away from the nearby NSRs; and •Material stockpiles and other structures shall be effectively utilised, wherever practicable, in screening noise from on-site construction activities. •Acoustic sheds should be provided at the locations of the noise generating activity such as operation of hand-held breaker. •All construction works should be conducted within the daytime period. TBM works are to be conducted in the daytime as much as possible. •During high-noise events such as rock breaking and excavation, ecologists are to be onsite for at least the first seven rock breaking and excavation events and during the test runs in anticipation for fauna response (e.g., flee response behaviour). The ecologist is to monitor for any fauna behaviour (e.g., dashing onto road) resulting in roadkill incidents for at least 30 minutes after each rock breaking and excavation event. In addition, during rock breaking and excavation events, there shall be ecologists present to observe fauna movements, and the appointed Contractor should take note to restrict the entry of visitors into the trails of Biodiversity Study Area (Site I, Site II and Site III)..	Scenario - Typical Construction Works - Weekday $L_{eq(12\ hours)}$ and $L_{eq(5\ mins)}$	Daytime, Evening and Night Periods	Major	MITIGATION MEASURES FOR GENERAL CONSTRUCTION NOISE CONTROL: •Control of noise sources at the source from construction site – Analyse construction inventory list and check equipment causing high noise levels. The equipment with lower noise level hall be prioritised. •Where controlling noise sources at the source is not feasible, acoustic enclosures or sheds are to be introduced to mitigate noise at the source. Typical acoustic enclosure covers the machine as fully as possible (with or without ventilation where applicable) to provide sound insulation. MITIGATION MEASURES FOR CONSTRUCTION NOISE: Noise Barrier of minimum STC 20 are proposed to be erected at the follwing locations in order to mitigate the construction noise to the noise sensitive receptors. These locations are: •8m high noise barrier at the construction boundary of CR14 fronting noise sensitive receptors (Site I, Site II and Site III); and •5 m high noise barrier at the construction boundary of CR14 road construction worksite fronting noise sensitive receptors (Site I and Site II) •8 m high noise barrier at the construction boundary of CR15 worksite fronting noise sensitive receptors (Site IV, Site V and human receptors) •No night works after 7pm for all non-safety critical activities since the site is next to Biodiversity Study Area. Where possible, this will be reduced to 6pm. •Portable noise barrier were highly recommended close to the noisy equipment/ activities •For noisy machinery such as the Secant Pile Auger - that typically operate for long period, the soundproof baffles can be mounted directly on the machine around the engine cowling..	Major	Before commencement of any construction works (including site clearance) •One-time airborne noise monitoring for 1 week at this location, for establishment of latest baseline. During Construction Phase •Continuous monitoring to capture LAeq(12 hours), LAeq(1 hour) and LAeq(5 mins) at this location for the entire duration of construction. Monitoring to be conducted at the following locations: • Site I, Site II and Site III boundary closest to CR14 worksite • Site IV and Site V boundary closest to CR15 woksite Records on noise levels from construction sites should be properly kept and produced when requested. Environmental audit by independent EMMP Consultant, monthly during construction phase.	CT, EM/ECO
	Site II	Priority 1					Major		Major		
	Site III	Priority 1					Major		Major		
	Site IV	Priority 1					Minor to Major		Minor		
	Site V	Priority 1					Major		Major		
	Site I	Priority 1			Scenario - TBM Works - Weekday Leq(12 hours) and Leq(5 mins)	Daytime, Evening and Night Periods	Minor		Minor		
	Site II	Priority 1					Minor to Major		Minor to Major		
	Site III	Priority 1					Major		Major		
	Site I	Priority 1			Scenario - Construction of station entrances Weekday Leq(12 hours) and Leq(5 mins)	Daytime Periods	Minor		Minor		
	Site II	Priority 1					Major		Major		
	Site III	Priority 1					Minor		Moderate		
	Site IV	Priority 1					Moderate		Minor		
	Site V	Priority 1					Major		Minor		

Environmental Aspect	**Description of Receptor**		**Potential Activities Causing Impact**	**Minimum Controls** *(Good practices in addition to LTA's General Safety, Health and Environmental specifications)*	**Significance of Potential Impact (assumes implementation of minimum controls)**			**Mitigation Measures**	**Significance of Residual Impact (with Mitigated Scenario)**	**Description of Monitoring Required**	**Close Up Actions**
	Receptor	**Value/ Sensitivity**			**Specific Parameter** *(e.g. Leq 12 hrs/ Leq 1 hr, CO, NO2, PM10, TSS etc)*	**Time Zone** *(E.g. Morning / evening/ night)*	**Impact Significance (with Base Scenario)**				
Ground-borne Vibration	Turf City	Priority 1	•Compacting of concrete using the vibrator equipment •Tunnel boring using the TBM •Rock breaking and excavation •Heavy construction vehicles such as bulldozers	·Equipment Selection and Maintenance. Associated with the cut and cover tunnel plus the operation of the TBM. ·Works Scheduling and Respite Periods. ·Community Consultation. It is recommended that the surrounding community be notified before commencing TBM related works, as a matter of good community relations.	Ground-borne Vibration Level, PPV, mm/s	24 Hours	Negligible - Major	•Optimise the worksite for smallest footprint within this area. •Schedule rock breaking and excavation activities during day time. •Restrict high amplitude vibratory compactors and rock breaking to below vibration threshold of PPV, 8 mm/s. •The Contractor shall control construction vibration levels using best available techniques (BAT) for high amplitude vibratory compactors and rock breaking and excavation. •Use of tri-axle trucks to reduce truck trips on the road. •No night works should be conducted after 7pm for all non-safety critical activities. •If there are justified complaints from the construction works, particularly from the rock breaking and excavation works, tunnel boring, high amplitude vibratory compactors and bulldozer, the operation may need to mitigate vibration levels to the most practical levels. •Temporary barriers (i.e. water barriers of 1 m height) should be implemented along Turf Club Road. Fairways Drive and Eng Neo Avenue. Canvas sheets should also be used to cover the holes on the existing railings along Fairways Drive. Hoardings or noise barriers must be implemented along the worksites and at the existing construction beside A1-W2 and CR14. Noise barriers must be implemented to double as barriers to prevent roadkills. • Barriers must not be implemented along a section of Site II (north of Site II) to facilitate fauna connectivity. However, to ensure the safety of fauna, these conditions must be met: • Turf Club Road north of CR14 and small roads nearby must remain to have limited access (closed if possible), even after lease is up; and • Road calming measures must be extended to Turf Club Road north of CR14, small roads nearby and immediate areas within the gold course.•Ecologist and Environmental Officer to identify burrows before the start of construction and monitoring burrow collapse during construction activities; •During rock breaking and excavation stage, Ecologist shall monitor for any fauna behaviour (e.g. dashing onto road) resulting in road-kill incidents, for at least thirty (30) minutes after the event. •If fauna is seen trying to dash onto the road, construction activities will be immediately suspended, and mitigation measures should be applied to prevent such event from happening in the future.	Negligible - Moderate	Before commencement of any construction works (including site clearance) •One-time continuous vibration monitoring for 1 week at the proposed locations, for establishment of latest baseline. During Construction Phase •Continuous monitoring at the proposed locations for the entire duration of construction. •In the event of a valid complaint, until the complaint has been resolved. •Monthly environmental audit by EMMP Consultant during the construction phase. Monitoring to be conducted at the following locations: • Site I, Site II and Site III boundary closest to CR14 worksite • Site IV and Site V boundary closest to CR15 wokrsite Records on vibration levels from construction sites should be properly kept and produced when requested. Environmental audit by independent EMMP Consultant, monthly during construction phase.	ECO, CT
	Holland Plain	Priority 1					Negligible - Minor	Not applicable	Negligible - Minor		

Environmental Aspect	**Description of Receptor**		**Potential Activities Causing Impact**	**Minimum Controls** *(Good practices in addition to LTA's General Safety, Health and Environmental specifications)*	**Significance of Potential Impact (assumes implementation of minimum controls)**			**Mitigation Measures**	**Significance of Residual Impact (with Mitigated Scenario)**	**Description of Monitoring Required (Commissioning Phase)**	**Close Up Actions**
	Receptor	**Value/Sensitivity**			**Specific Parameter** *(e.g. Leq 12 hrs/ Leq 1 hr, CO, NO2, PM10, TSS*	**Time Zone** *(E.g. Morning / evening/ night)*	**Impact Significance (with Base Scenario)**				
Biodiversity	Windsor (Habitats)	Priority 1, 2 & 3	This commissioning phase is for EMMP purpose only, therefore the potential activities from operational phase (see **Table 3**) are generally applicable.	The minimum control measures from operational phase (see **Table 3**) are generally applicable, where relevant.	Flora and Fauna	No requirement	This commissioning phase is for EMMP purpose only, therefore the impact significance from operational phase (see **Table 3**) is generally applicable.	The mitigation measures from operational phase (see **Table 3**) are generally applicable, where relevant.	This commissioning phase is for EMMP purpose only, therefore the impact significance from operational phase (see **Table 3**) is generally applicable.	**Fauna** • Execute vibration monitoring commissioning phase data collection. Location and details to refer to EIS Report Section 12.2.3.3.5. • Conduct regular fauna and flora inspections in the initial operational phase (6 months monitoring with an option extending to another 6 months if results are inconclusive) to ensure that proposed planting/mitigating measures are effective and to identify any impacts to the adjacent forest areas.	CT, EM/ECO, Ecologist
	Eng Neo Avenue Forest (Habitats)	Priority 1, 2 & 3									
	Forested Area Adjacent to Fairway Quarters (Habitats)	Priority 1, 2 & 3									
	Windsor (Floral Species)	Priority 1, 2 & 3									
	Eng Neo Avenue Forest (Floral Species)	Priority 1, 2 & 3									
	Forested Area Adjacent to Fairway Quarters (Floral Species)	Priority 1, 2 & 3									
	Windsor (Faunal Species)	Priority 1, 2 & 3									
	Eng Neo Avenue Forest (Faunal Species)	Priority 1, 2 & 3									
	Forested Area Adjacent to Fairway Quarters (Faunal Species)	Priority 1, 2 & 3									
Hydrology and Surface Water Quality	D/S15 (Site I and II)	Priority 1	This commissioning phase is for EMMP purpose only, therefore the potential activities from operational phase (see **Table 3**) are generally applicable.	The minimum control measures from operational phase (see **Table 3**) are generally applicable, where relevant.	Water Quality - parameters listed in NEA's Allowable Limits for Trade Effluent Discharge for all discharge points; parameter listed in Water Quality Criteria for Aquatic Life for sensitive stream and drain (i.e. D/S16) Existing drain/stream capacity, baseflow, storage of runoff.	No requirement	This commissioning phase is for EMMP purpose only, therefore the impact significance from operational phase (see **Table 3**) is generally applicable.	The mitigation measures from operational phase (see **Table 3**) are generally applicable, where relevant.	This commissioning phase is for EMMP purpose only, therefore the impact significance from operational phase (see **Table 3**) is generally applicable.	Monthly monitoring for all the in-situ parameters (i.e. temperature, pH, conductivity, total dissolved solids, turbidity, total suspended solids and dissolved oxygen) at the main outlets/drains of the project site, naturalised stream D/S16 in the vicinity of proposed project during the first three (3) months of commissioning phase; Monthly monitoring for all the ex-situ parameters (i.e. biochemical oxygen demand, chemical oxygen demand, total nitrogen, nitrate, total phosphorus, orthophosphate , enterococcus, ammoniacal nitrogen, total organic carbon and total alkalinity) at the main outlets/drains of the project site, naturalised stream D/S16 in the vicinity of proposed project during the first three (3) months of the commissioning phase; The recreated freshwater marsh should be monitored for all the in-situ parameters (i.e. temperature, pH, conductivity, total dissolved solids, turbidity, total suspended solids and dissolved oxygen) every six (6) months for a year after the start of commissioning phase The recreated freshwater marsh should be monitored for all the ex-situ parameters (i.e. biochemical oxygen demand, chemical oxygen demand, total nitrogen, nitrate, total phosphorus, orthophosphate, enterococcus, ammoniacal nitrogen, total organic carbon and total alkalinity) once every six (6) months for a year after the start of commissioning phase. Drainage system within the site and at immediate vicinity should be inspected especially during heavy storm event to ensure no flooding. Monthly audit on the site should be carried out by EMMP consultant during the first three (3) months of commissioning phase.	CT, EM/ECO
	D/S16 (Site I and II)	Priority 1									
	D/S8 (Site III)	Priority 1									
	D/S3 (Site IV)	Priority 1									
	D/S5 (Site IV)	Priority 1									
	D/S4 (Site V)	Priority 1									

Environmental Aspect	**Description of Receptor**		**Potential Activities Causing Impact**	**Minimum Controls** *(Good practices in addition to LTA's General Safety, Health and Environmental specifications)*	**Significance of Potential Impact (assumes implementation of minimum controls)**			**Mitigation Measures**	**Significance of Residual Impact (with Mitigated Scenario)**	**Description of Monitoring Required (Commissioning Phase)**	**Close Up Actions**
	Receptor	**Value/Sensitivity**			**Specific Parameter** *(e.g. Leq 12 hrs/ Leq 1 hr, CO, NO2, PM10, TSS*	**Time Zone** *(E.g. Morning / evening/ night)*	**Impact Significance (with Base Scenario)**				
Soil and Groundwater & Waste	Soil and Groundwater within the Project Site	Priority 3	This commissioning phase is for EMMP purpose only, therefore the potential activities from operational phase (see **Table 3**) are generally applicable.	The minimum control measures from operational phase (see **Table 3**) are generally applicable, where relevant.	Toxic Chemical Waste Generation During Maintenance Work and Improper Handling of Hazardous Chemicals/ Substances	Not applicable	This commissioning phase is for EMMP purpose only, therefore the impact significance from operational phase (see **Table 3**) is generally applicable.	The mitigation measures from operational phase (see **Table 3**) are generally applicable, where relevant.	This commissioning phase is for EMMP purpose only, therefore the impact significance from operational phase (see **Table 3**) is generally applicable.	At locations within the project site where toxic chemical waste are stored - Records on chemical waste from the waste generator should be properly kept and records produced when requested during first three (3) months of commissioning phase At locations within the project site where hazardous chemicals/ substances are used/ stored - Inspection of hazardous chemicals/ substances storage condition during first three (3) months of commissioning phase	CT, EM/ECO
	Streams with biodiversity conservation significance where groundwater flow partially supporting the stream ingress from the operational footprints	Priority 2									
Air Quality	Site I	Priority 1	This commissioning phase is for EMMP purpose only, therefore the potential activities from operational phase (see **Table 3**) are generally applicable.	The minimum control measures from operational phase (see **Table 3**) are generally applicable, where relevant.	Gaseous (NO_2 and CO) and Particulate emissions (PM10 and $PM_{2.5}$)	24/7 throughout project lifetime	This commissioning phase is for EMMP purpose only, therefore the impact significance from operational phase (see **Table 3**) is generally applicable.	The mitigation measures from operational phase (see **Table 3**) are generally applicable, where relevant.	This commissioning phase is for EMMP purpose only, therefore the impact significance from operational phase (see **Table 3**) is generally applicable.	N/A	CT, EM/ECO
	Site II										
	Site III										
	Site IV										
	Site V										
Airborne Noise	Site I, Site II, Site III	Priority 1	This commissioning phase is for EMMP purpose only, therefore the potential activities from operational phase (see Table 3) are generally applicable.	The minimum control measures from operational phase (see **Table 3**) are generally applicable, where relevant.	Leq 5 min and Leq 1hr, Leq 15 min	N/A	This commissioning phase is for EMMP purpose only, therefore the impact significance from operational phase (see **Table 3**) is generally applicable.	The mitigation measures from operational phase (see **Table 3**) are generally applicable, where relevant.	This commissioning phase is for EMMP purpose only, therefore the impact significance from operational phase (see **Table 3**) is generally applicable.	Not required	CT, EM/ECO
		Priority 1			Leq 5 min and Leq 1hr					• Three (3) noise monitoring locations at boundary of Site I, Site II and Site III • Continuous monitoring for three (3) months of the commissioning phase	
		Priority 1			Leq 15 min					•Eive (5) noise monitoring locations at the boundary of ventilation shaft •Continuous monitoring for one (1) day (24 hours) within the commissioning phase, as per NEA's Technical Guideline on Boundary Noise Limits for Air Conditioning	
	Site IV and Site V	Priority 1			Leq 5 min and Leq 1hr, Leq 15 min					Not required	
		Priority 1			Leq 5 min and Leq 1hr					• Two (2) noise monitoring locations at boundary of Site IV and Site V • Continuous monitoring for three (3) months of the commissioning phase	
		Priority 1			Leq 15 min					•Eight (8) noise monitoring locations at the boundary of the ventilation shaft •Continuous monitoring for one (1) day (24 hours) within the commissioning phase, as per NEA's Technical Guideline on Boundary Noise Limits for Air Conditioning	
Ground-borne Vibration	Turf City	Priority 1	This commissioning phase is for EMMP purpose only, therefore the potential activities from operational phase (see **Table 3**) are generally applicable.	The minimum control measures from operational phase (see **Table 3**) are generally applicable, where relevant.	Ground-borne Vibration Level, PPV, mm/s	N/A	This commissioning phase is for EMMP purpose only, therefore the impact significance from operational phase (see **Table 3**) is generally applicable.	The mitigation measures from operational phase (see **Table 3**) are generally applicable, where relevant.	This commissioning phase is for EMMP purpose only, therefore the impact significance from operational phase (see **Table 3**) is generally applicable.	Not required	CT, EM/ECO
	Holland Plain	Priority 1								Not required	

Environmental Aspect	Description of Receptor		Potential Activities Causing Impact	Minimum Controls *(Good practices in addition to LTA's General Safety, Health and Environmental specifications)*	Significance of Potential Impact (assumes implementation of minimum controls)			Mitigation Measures	Significance of Residual Impact (with Mitigated Scenario)	Description of Monitoring Required	Close Up Actions
	Receptor	**Value/Sensitivity**			**Specific Parameter** *(e.g. Leq 12 hrs/ Leq 1 hr, CO, NO2, PM10, TSS etc)*	**Time Zone** *(E.g. Morning / evening/ night)*	**Impact Significance (with Base Scenario)**				
Biodiversity	Windsor (Habitats)	Priority 1, 2 & 3	Habitat degradation Change in species composition	•The maintenance of the system should happen during engineering (0100h to 0400h) and non-engineering hours (operational hours of train line, 0600h to 2300h). •As much as possible, systems that are crucial to daily operational basis will be carried out during non-engineering hours, while electrical services and signalling will be done during engineering hours except at the unlikely event of urgent work required due to failure in mainline.	Flora and Fauna	No requirement	Negligible to Moderate	**Design Phase (General)** • Optimisation and shift in worksite. **Design Phase (specific to Windsor)** • Design to allow for greening up building structures in the operational phase as facility building in close proximity to existing forest. By doing so, it might reduce changes in species composition and/or enhance biodiversity. • Substitute certain aspects of the facility building design with bird-friendly building design to reduce risk of bird collision. **Operational Phase** • Plant more trees along the edge of the forest to serve as a natural barrier to light, noise and dust. • Areas not used should be returned to earth ground and replanted if possible. As a general guide, 400 trees should be replanted for every hectare to be reinstated. Specifically at Windsor, reforestation should be recommended.	Negligible to Minor	N/A	N/A
	Eng Neo Avenue Forest (Habitats)	Priority 1, 2 & 3					Minor		Negligible		
	Forested Area Adjacent to Fairway Quarters (Habitats)	Priority 1, 2 & 3					N/A. Worksite is not located here during base scenario.		Negligible to Minor		
	Windsor (Floral Species)	Priority 1, 2 & 3	Mortality Competition from exotic plant species				Negligible to Moderate		Negligible to Minor		
	Eng Neo Avenue Forest (Floral Species)	Priority 1, 2 & 3					Negligible to Moderate		Negligible		
	Forested Area Adjacent to Fairway Quarters (Floral Species)	Priority 1, 2 & 3					N/A. Worksite is not located here during base scenario.		Minor		
	Windsor (Faunal Species)	Priority 1, 2 & 3	Collision with buildings (birds only) Injury or mortality				Negligible to Moderate		Negligible to Minor		
	Eng Neo Avenue Forest (Faunal Species)	Priority 1, 2 & 3	Loss of ecological connectivity for faunal movement				Negligible		Negligible		
	Forested Area Adjacent to Fairway Quarters (Faunal Species)	Priority 1, 2 & 3					N/A. Worksite is not located here during base scenario.		Negligible to Minor		
Hydrology and Surface Water Quality	D/S15 (Site I and II)	Priority 1	Stormwater run-off on hydrology	- Potential increase of peak-flow due to the change in the land use at the new developments can be mitigated by providing detention tanks within the Study Area. Detention tanks can capture stormwater during heavy storm events to reduce the peak runoff. Stored water can then be discharged back to the system after the storm event. As required by PUB, the storage system needs to be in place to reduce the peak flow at the operational phase to be the same or less than that of the existing condition; - Active, Beautiful, Clean Water (ABC) Water Design approach can be considered to reduce the peak-flow as well; and - Geotechnical aspect of the site's slope stability (such as ERSS) shall be included in detailed design engineering for the operational stage.	Hydrology - Existing drain/stream capacity, baseflow	No requirement	Negligible	No additional mitigation measures are proposed beyond minimum controls.	Negligible	N/A	N/A
	D/S16 (Site I and II)	Priority 1					Major	- Box culvert integration to ensure that D/S16 continuous perennial flow is retained. Conduct flow diversion prior to box culvert integration., The diversion should follow PUB's Code of Practice on Surface Water Drainage.	Minor		
	D/S8 (Site III)	Priority 1					Moderate	- Flow diversion or construction of culvert at D/S8 (subject to Contractor's design at a later stage) before temporary access road construction and backfilling of upstream section of D/S8. The diversion should follow PUB's Code of Practice on Surface Water Drainage. - Discharge treated runoff (i.e. treated to meet NEA Trade Effluent Discharge Limits) to maintain its existing flow.	Minor		
	D/S3 (Site IV)	Priority 1					Minor	No additional mitigation measures are proposed beyond minimum controls.	Minor		
	D/S5 (Site IV)	Priority 1					Minor	No additional mitigation measures are proposed beyond minimum controls.	Minor		
	D/S4 (Site V)	Priority 1					Minor	No additional mitigation measures are proposed beyond minimum controls.	Minor		
	D/S15 (Site I and II)	Priority 1	Stormwater run-off on water quality	- Adequate drainage, piping and/or channelling of stormwater run-off to be assured through detailed design [such as Active, Beautiful, Clean Water (ABC) Water Design approach] for capture and treatment before discharge into surface water; - Regular and dedicated procedures for the inspection and maintenance of stormwater collection, storage, and treatment infrastructure, such as pipes, oil water separation, silt screens, etc.; and - Regular and dedicated procedures for the management of stormwater collection, settling, testing and eventual discharge of 'clean' water to surface waters. This should also include associated measures required to prevent high sediment concentration stormwater drainage to surface waters.	Water Quality - parameters listed in NEA's Allowable Limits for Trade Effluent Discharge for all discharge points; parameter listed in Water Quality Criteria for Aquatic Life for natural streams		Negligible	No additional mitigation measures are proposed beyond minimum controls.	Negligible		
	D/S16 (Site I and II)	Priority 1					Minor	No additional mitigation measures are proposed beyond minimum controls.	Minor		
	D/S8 (Site III)	Priority 1					Minor	No additional mitigation measures are proposed beyond minimum controls.	Minor		
	D/S3 (Site IV)	Priority 1					Negligible	No additional mitigation measures are proposed beyond minimum controls.	Negligible		
	D/S5 (Site IV)	Priority 1					Negligible	No additional mitigation measures are proposed beyond minimum controls.	Negligible		
	D/S4 (Site V)	Priority 1					Minor	No additional mitigation measures are proposed beyond minimum controls.	Minor		

Environmental Aspect	**Description of Receptor**		**Potential Activities Causing Impact**	**Minimum Controls** *(Good practices in addition to LTA's General Safety, Health and Environmental specifications)*	**Significance of Potential Impact (assumes implementation of minimum controls)**			**Mitigation Measures**	**Significance of Residual Impact (with Mitigated Scenario)**	**Description of Monitoring Required**	**Close Up Actions**
	Receptor	**Value/Sensitivity**			**Specific Parameter** *(e.g. Leq 12 hrs/ Leq 1 hr, CO, NO2, PM10, TSS etc)*	**Time Zone** *(E.g. Morning / evening/ night)*	**Impact Significance (with Base Scenario)**				
Soil and Groundwater & Waste	Soil and Groundwater within the Project Site	Priority 3	• Maintenance works on the alignment, stations and facility buildings	• Store all toxic chemical waste at designated sheltered area provided with access-controlled entrance and concrete bund walls or in storage containers with good ventilation. Spill trays shall be provided for all chemical drum and potentially pollutive substances. Spill trays shall be regularly maintained to prevent rain from washing out the pollutive substances. • Dispose all toxic waste chemicals to licensed TIW collectors for treatment • Store all hazardous substances/chemicals at designated sheltered area provided with access-controlled entrance and concrete bund walls or in storage containers with good ventilation. • Spill trays shall be provided for all chemical drums, plants and machinery and potential pollutive substances used on site. Spill trays shall be regularly maintained to prevent rain from washing out the pollutive substances. • Ensure all hazardous chemicals/substances are labelled its movement is recorded and returned to the designated storage areas when not in use. • Ensure all activities including repair, servicing, engine overhaul works, etc. involving the use of hazardous chemicals/substances are carried out on an area which is appropriately contained (e.g. concreted area and with proper containment/sumps). • Provide emergency spill kits on site in the event of any chemical spillages. The emergency response team shall also be competent in the use of these spill kits. • Ensure no trade effluent other than that of a nature or type approved by NEA Director-General shall be discharged into any watercourse or land.	Toxic Chemical Waste Generation During Maintenance Work and Improper Handling of Hazardous Chemicals/ Substances	Not applicable	Minor	No additional mitigation measures are proposed beyond minimum controls	N/A	N/A	N/A
	Streams with biodiversity conservation significance where groundwater flow partially supporting the stream ingress from the construction worksites and operational footprints	Priority 2									

Environmental Aspect	**Description of Receptor**		**Potential Activities Causing Impact**	**Minimum Controls** *(Good practices in addition to LTA's General Safety, Health and Environmental specifications)*	**Significance of Potential Impact (assumes implementation of minimum controls)**			**Mitigation Measures**	**Significance of Residual Impact (with Mitigated Scenario)**	**Description of Monitoring Required**	**Close Up Actions**
	Receptor	**Value/Sensitivity**			**Specific Parameter** *(e.g. Leq 12 hrs/ Leq 1 hr, CO, NO2, PM10, TSS etc)*	**Time Zone** *(E.g. Morning / evening/ night)*	**Impact Significance (with Base Scenario)**				
Air Quality	Site I	Priority 1	During operational phase, since the trains are powered by electricity, they do not emit air emissions as a direct impact to environment through the facility buildings. Gaseous and particulate emissions from vehicle exhaust due to the increased traffic in vicinity of the Project due to Project operation.	No minimum control has been assumed for the purpose of air quality impact assessment during operational phase.	Gaseous (NO_2 and CO) and Particulate emissions (PM10 and $PM_{2.5}$)	24/7 throughout project lifetime	Minor	No mitigation measures are required during operational phase as only Minor air quality impact significance is expected during project operational phase.	N/A	N/A	N/A
	Site II										
	Site III										
	Site IV										
	Site V										
Airborne Noise	Site I, Site II and Site III	Priority 1	Traffic noise due to increase in vehicular volume due to the development of the project and air-conditioning and mechanical ventilation noise from services at the facility building.	•Use low air-conditioning and mechanical ventilation system equipment; •Ensure that any exhaust outlet or intake from the mechanical ventilation system is designed to be adequately set back as far as possible from the boundary line of the development; •Acoustic treatment if any to be designed and implemented; •AC system to be designed with the AHU units placed at appropriate locations as set back from the boundary line of the development as possible; and •Acoustic enclosures for outdoor equipment.	Leq 15 min	Records on noise levels of boundary noise during first three (3) months of the operational period	Negligible	•Noise attenuators and other BAT and BEP noise control measures shall be utilised •Traffic noise at the drop-off points and parking areas shall be mitigated with low speed postings, humps and signage	NA	N/A	N/A
	Site IV and Site V	Priority 1									
Ground-borne Vibration	Turf City	Priority 1	Operation of the CRL alignment and traffic in the Study Area. Train induced vibration is mainly caused by the roughness of the wheel and rail. Vibration from operating trains is also dependent on the resonance frequencies of the train suspension system and track support system. These mechanical systems have resonances that results in increased vibration response. Traffic vibration is mainly due to heavy vehicles passing at relatively high speed on a road with an uneven surface profile. Interaction between wheels and road surface causes a dynamic excitation which generates waves propagating in the soil and to nearby sensitive receptors.	No minimum control has been assumed for the purpose of traffic induced vibration. Minimum controls for operation of trains: • Train, track and tunnel design; • Maintenance of vertical track alignment at the relevant longitudinal wavelengths; • Maintenance of roughness of the rail head and wheel thread at the relevant longitudinal and circumferential wavelengths, respectively; and • Maintenance of resilient elements in track construction, e.g. rail pads • Maintenance of rail joints, switches and crossings.	Ground-borne Vibration Level, PPV, mm/s	Not required	Minor	• General maintenance of the railway track and minimizing of wheel defects.	N/A	N/A	N/A
	Holland Plain	Priority 1									

Table 4
Classification of Receptor Sensitivity

Environmental Parameter	Receptor Sensitivity		
	Priority 1	**Priority 2**	**Priority 3**
Biodiversity	Flora, fauna species and habitats of high ecological value (i.e., presence of conservation significant flora, fauna species and habitats; trees of conservation significance and NParks-designated heritage trees).	Flora, fauna species and habitats of moderate ecological value (i.e., mainly native species of flora, fauna and habitats).	Flora, fauna species and habitats of low ecological value (i.e., mainly exotic or cryptogenic flora, fauna and habitats; managed vegetation which can provide crucial habitat for significant species).
Surface Water Quality	Surface watercourses protected and used for drinking supply[1], or supporting ecosystems of biodiversity conservation significance in consultant with Biodiversity specialist after surveys[2].	Surface watercourses used for industrial water supply or for recreational purposes, but not used for drinking water purposes and which do not support ecosystems of biodiversity conservation significance in consultant with Biodiversity specialist after surveys.	Surface watercourses not used for any purposes and not protected.
Soil and Groundwater Quality	Groundwater is sensitive (i.e. used for agricultural / irrigation / drinking water purposes or supports ecosystems of biodiversity conservation significance).	Groundwater may be extracted for industrial purpose but not used for agricultural / irrigation / drinking water purposes. Groundwater partially supporting ecosystems of biodiversity conservation significance.	Not sensitive groundwater (i.e. not extracted for any purpose or does not support any ecosystems of biodiversity conservation significance).
Air Quality	Flora, Fauna Species and Habitats of High Ecological Value within 20 m of construction worksite area	Flora, Fauna Species and Habitats of High Ecological Value within 20 m to 50m of construction worksite area. Ecological sites having known sensitive communities within 20 m of construction worksite area.	Ecological sites having known sensitive communities within 20 m to 50 m of construction worksite area Any other ecological sites within the Study Area of 50 m.
Airborne Noise[3]	Species that use sound for communication, foraging and breeding or are known to have their behaviours disrupted by sound or are of Conservation Significance.	Species that are less affected by airborne noise but are of Conservation Significance.	Species that are less affected by airborne noise and are not of Conservation Significance.
Ground-borne Vibration[4, 5] **(excluding Ground-borne Noise as it is only applicable inside building)**	Fauna species and habitats of high sensitivity towards ground-borne vibration and are of Conservation Significance. Species that inhabit the ground or aquatic environments and live in burrows and/or caves will be more badly impacted by anthropogenic vibrations.	Fauna species and habitats that are less affected by ground-borne vibration and are of Conservation Significance.	Fauna species and habitats that are less affected by ground-borne vibration and are not of Conservation Significance.

[1] Waterbody usage will be determined based on the PUB Water Catchment Map.

[2] The receptor sensitivity of surface watercourses will be determined based on the biodiversity baseline survey results which will identify whether such surface watercourses are supporting ecosystems of biodiversity conservation significance.

[3] The fact is that different species are likely to react differently to disturbance and that will be influenced by various other factors such as how percussive the noise is (e.g. from rock breaking and excavation and piling), how far away the receptor is generally, behaviour of the fauna, and other factors such as whether the species is feeding or breeding/nesting and in particular from the complication of visual disturbance (particularly humans on foot nearby).

[4] The prioritisation of the fauna receptors is in the order of low, moderate or high sensitivity (Priority 3 to 1) has been broadly given at this stage in Inception report and will be refined in EIS based on the available data/ publication and biodiversity specialist's perception of species' (of conservation interest) sensitivity to ground-borne noise and vibration levels. The exposure limit based on behaviour of the species will be taken into account in this case.

[5] For ground-borne vibration, urban areas such as houses and existing roads are not assessed and are termed "Not Assessible".

Table 5 - Determine Impact Intensity

Environmental Parameters	Impact Intensity			
	Negligible Intensity	**Low Intensity**	**Medium Intensity**	**High Intensity**
Biodiversity (Construction and Operation) – Habitats	Potential impacts with no detectable changes to viability/function of habitats.	Potential impacts with • Small temporal and spatial (localised) scale changes that affects part of the habitat, such that there is no loss of viability/function of habitat • Changes that are reversible	Potential impacts with • Moderate duration and/or over a considerable spatial scale changes that affects part of the habit but does not threaten the long-term viability/function of the habitat • Changes that are reversible with significant input and mitigation measures	Potential impacts with • Extensive duration and large spatial scale that affects the entire habitat, or a significant proportion of it, and the long-term viability/function of the habitat is threatened • Changes that are non-reversible
Biodiversity (Construction and Operation) – Flora and Fauna	No expected changes to species population	•Short duration and small-scale localised spatial changes that could cause minimal changes to species population •Changes are reversible	•Moderate duration and medium-scale spatial changes that could cause moderate reduction in size of species population, but would not threaten species long-term viability •Changes are reversible with mitigation measures	•Extended duration and large-scale spatial changes that could cause substantial reduction in size of species population and threaten species long-term viability •Changes are irreversible
Hydrology (Construction and Operation)	Very minor change to existing hydrology and flow.	Small scale localised changes to existing hydrology or flow.	Medium scale changes to existing hydrology or peak flow.	Major changes to existing hydrology or peak flow.
Surface Water Quality (Construction and Operation)	No contamination; or Likely to be well within regulatory limits.	Small scale localised contamination within regulatory limits.	Medium scale contamination or just exceed regulatory limits.	Large scale contamination exceed regulatory limits by hazardous levels for the habitat/ conservation species.
Soil, Groundwater (Construction and Operation)	None of the construction activities identified will cause contamination on site.	Small scale localised contamination which is not likely to extend beyond the construction worksite areas and possible to remediate.	Medium scale contamination which is likely to extend beyond the construction worksite areas but possible to remediate within the construction period timeframe.	Large scale contamination which is likely to extend beyond the construction worksite areas and may require large scale remediation.
Air Quality (Construction Phase) [1]	-	For Earthworks: • Total site area <2 ,500 m^2 • Soil type with large grain size (e.g. sand) • <5 heavy earth moving vehicles active at any one time • Formation of bunds <4 m in height • Total material moved <20,000t • Earthworks during wetter months	For Earthworks: • Total site area 2,500 m^3 – 10,000 m^3 • Moderately dusty soil type (e.g. silt) • 5-10 heavy earth moving vehicles active at any one time • Formation of bunds 4 m - 8 m in height • Total material moved 20,000-100,000t	For Earthworks: • Total site area >10,000 m^2 • Potentially dusty soil type (e.g. clay, which will be prone to suspension when dry due to small particle size) • >10 heavy earth moving vehicles active at any one time • Formation of bunds >8 m in height • Total material moved >100,000t
	-	For Construction: • Total building volume <25,000 m^3 • Construction material with low potential for dust release (e.g. metal cladding or timber)	For Construction: • Total building volume 25,000-100,000 m^3 • Potentially dusty construction material (e.g. concrete) • On-site concrete batching	For Construction: • Total building volume >100,000 m^3 • On-site concrete batching • sandblasting
	-	For Trackout: • <10 HDV [2] (>3.5t) outward movements in any one day • Surface material with low potential for dust release • Unpaved road length <50 m	For Trackout: • 10-50 HDV [2] (>3.5t) outward movements in any one day • Moderately dusty surface material (e.g. high clay content) • Unpaved road length 50-100 m	For Trackout: • >50 HDV [2] (>3.5t) outward movements in any one day • Potentially dusty surface material (e.g. high clay content) • Unpaved road length >100 m
	-	For Demolition: • Total building volume <20,000 m^3 • Construction material with low potential for dust release (e.g. metal cladding or timber) • Demolition activities <10m above ground • Demolition during wetter months	For Demolition: • Total building 20,000 – 50,000 m^3 • Potentially dusty construction material • Demolition activities 10-20 m above ground level	For Demolition: • Total building >50,000 m^3 • Potentially dusty construction material (e.g. concrete) • On-site crushing and screening • Demolition activities >20m above ground level
Air Quality (Operational Phase)	Insignificant increase in air quality levels in the vicinity of stations due to Project operation.	Small scale increase in air quality levels in the vicinity of stations due to Project operation.	Medium scale increase in air quality levels in the vicinity of stations due to Project operation.	Large scale increase in air quality levels in the vicinity of stations due to Project operation.
Airborne Noise (Construction and Operation)	No detectable change to flora, fauna and habitats. Predicted noise level at receptors are within the corrected baseline criteria. For A1-W1 Worksite, predicted noise levels at receptors are below the baseline noise (no correction applied here).	Potential impacts last a short duration, are reversible and/or of a small magnitude for species with low auditory sensitivity level. Predicted noise level exceeds the corrected baseline criteria of up to 3 dB(A).	Potential impacts last for a moderate duration, are reversible with significant input and compensatory measures, and/or of a moderate magnitude for species with auditory sensitivity level. Predicted noise level exceeds the corrected baseline criteria of up to 4 - 6 dB(A).	Potential impacts last for a long time, are non-reversible, and/or of a significant magnitude for species with high auditory sensitivity level. Predicted noise level exceeds the corrected baseline criteria of more than 6 dB(A).
Airborne Noise (Air Overpressure from rock breaking and excavation)	The predicted noise levels are equal or lower than 120 dB.	The predicted noise levels are between 121 to 149 dB.	The predicted noise levels are between 150 to 179 dB.	The predicted noise levels are equal or higher than 180 dB.
Ground-borne Vibration (Structural (Construction) and Behavioural (Construction and Operation) [3,4]	See Note 5 below			

[1] This impact intensity criterion is equivalent to the Emission Magnitude as defined in IAQM's Guidance.

[2] Heavy duty vehicles (HDV) defined as vehicles with a gross weight greater than 3.5 tonnes.

[3] The intensity assessment is a multi-prong approach for structural (intensity-based) or behavioural impacts (no worse off than baseline but based on intensity and home range of fauna in a matrix approach)

[4] A threshold of 5 mm/s was used for screening out those activities which will be assessed for structural impact in this study. A criterion of 8 mm/s PPV has been adopted (equivalent to 80% of 10 mm/s PPV) to prevent damage to burrows.

[5] For ground-borne vibration, structural and behavioural assessments are matrix-based. See Figure 1 in Annex 4.

Table 6 - Determine Consequence of Impacts (General)

		Receptor Sensitivity		
		Priority 3	**Priority 2**	**Priority 1**
Impact Intensity	**Negligible**	Imperceptible	Imperceptible	Very Low
	Low	Very Low	Very Low	Low
	Medium	Very Low	Low	Medium
	High	Low	Medium	High

Table 7 - Determine Likelihood of Impacts

Likelihood Criteria	Definition	Definition for Quantitative Evaluation (Construction & Operational)
Unlikely/ Remote*	Would be unlikely or remotely expected to occur during construction and operational phases.	When the frequency of exposure to vibration impacts for fauna is < 5% during the construction or operation phase.
Less Likely/ Rare*	Would less likely/ rarely occur during construction and operational phases.	When the frequency of exposure to vibration impacts for fauna is 5 - 15% during the construction or operation phase.
Possible/ Occasional*	Would possibly/ occasionally occur during construction and operational phases.	When the frequency of exposure to vibration impacts for fauna is 16 - 25% during the construction or operation phase.
Likely/ Regular*	Would likely to occur or would occur on a regular basis during construction and operational phases.	When the frequency of exposure to vibration impacts for fauna is 26 - 50% during the construction or operation phase.
Certain/ Continuous*	Would be certain to occur or would occur continuously during construction and operational phases.	When the frequency of exposure to vibration impacts for fauna is > 50% during the construction or operation phase.

Note:
* The second term (i.e. remote, rare, occasional, regular, continuous) is not applicable to noise/ground-borne vibration.
References:
1.Ecological Impact Assessment (EcIA). EIANZ Guidelines for use in New Zealand: terrestrial and freshwater ecosystems. 2nd Edition. May 2018.
2.CIEEM (2018). Guidelines for ecological impact assessment in the UK and Ireland: Terrestrial, Freshwater and Coastal. September 2018.

Table 8 - Determine Impact Significance (General)

		Consequence				
		Imperceptible	**Very Low**	**Low**	**Medium**	**High**
Likelihood	**Unlikely/ Remote**	Negligible	Negligible	Negligible	Negligible	Negligible
	Less Likely/ Rare	Negligible	Negligible	Minor	Minor	Minor
	Possible/ Occasional	Negligible	Minor	Minor	Moderate	Moderate
	Likely/ Regular	Negligible	Minor	Moderate	Moderate	Major
	Certain/ Continuous	Negligible	Minor	Moderate	Major	Major

Table 9 - Definition of Final Impact Significance Level

Impact Significance Levels	Definitions
Negligible	Impacts are indistinguishable from the existing baseline environmental conditions, or non-noticeable by the receptor/ habitat as a change. A negligible impact is unlikely to pose concern to the government, communities and organisations.
Minor	Impacts of low magnitude, shorter term, reversible. Minor impacts are usually within accepted limits/standards provided with minimum controls or best practices, and is unlikely to pose concern to the government, communities and organisations.
Moderate	Impacts of medium magnitude, longer term, but reversible. Moderate impacts are manageable within accepted limits/standards after consideration of suitable mitigation measures or can be reduced to a level that is as low as reasonably practicable.
Major	Impacts of high magnitude, exceeds limits/standards, permanent and non-reversible. Major impacts should seek alternatives in design/ location etc. and/ or mitigation measures to avoid/compensate and/or reduce major impacts to as low as reasonably practicable.

Figure 1 - Ground-borne Vibration Impact Intensity Matrix for Construction and Operational Vibration

Area Affected (ha)	Impact Intensity				
6 < area	Negligible	Low	Medium	High	High
4.8 < area ≤ 6	Negligible	Low	Medium	Medium	High
2.4 < area ≤ 4.8	Negligible	Low	Low	Medium	High
1.2 < area ≤ 2.4	Negligible	Neglible	Low	Medium	Medium
0 < area ≤ 1.2	Negligible	Negligible	Low	Medium	Medium
Ambient Level	**Ambient to T1**	**T1 to T2**	**T2 to T3**	**T3 to T4**	**> T4**

Figure 2 - Screening and disposal of excavated soils

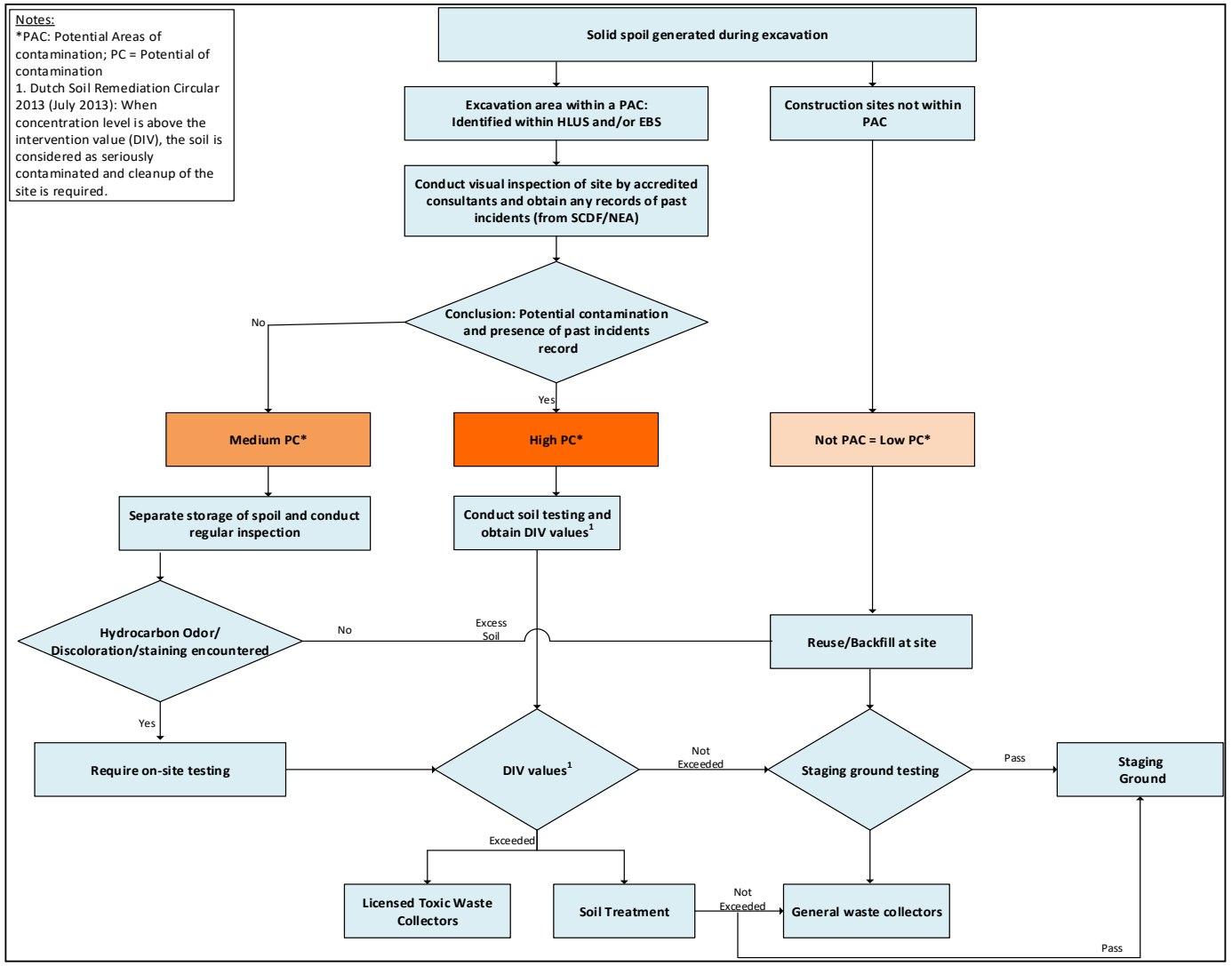
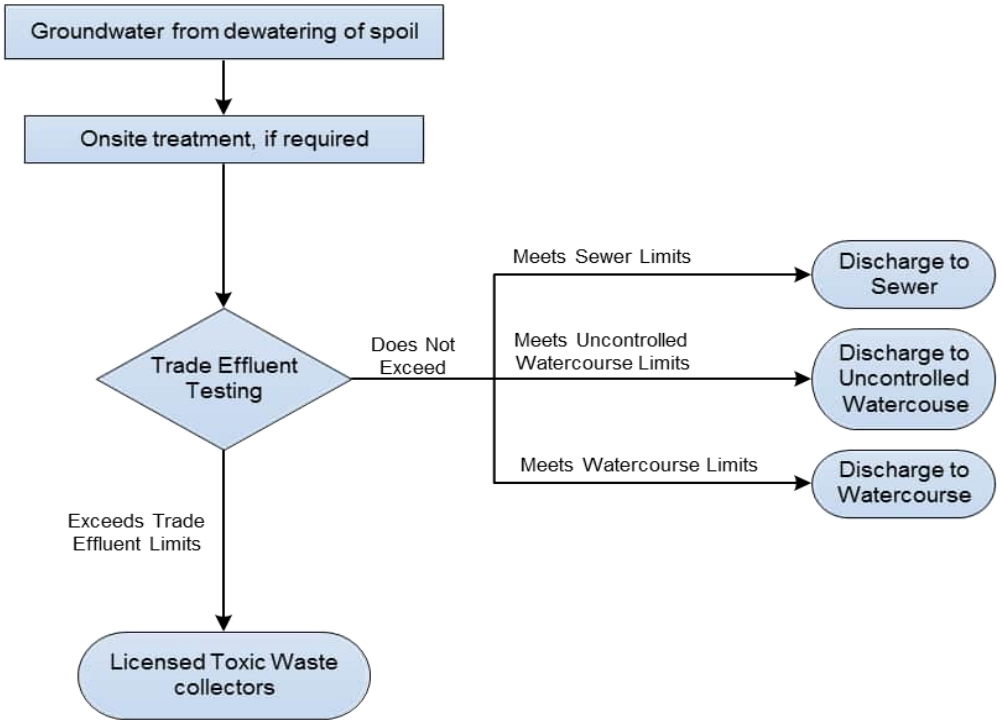


Figure 3 - Disposal of the groundwater generated through soil dewatering



Appendix B

Definition of Each Impact Type's Impact Significance (Biodiversity)

Potential Ecological Impact	Major	Moderate	Minor
Habitats			
Loss of vegetation/habitat	A major impact constitutes either of the following: – Loss of >40% of original habitat – Retention of <60% of original habitat	A moderate impact constitutes either of the following: – Loss of 10–40% of original habitat – Retention of >60% of original habitat	A minor impact constitutes either of the following: – Loss of <10% of original habitat – Retention of >90% of original habitat
Habitat degradation	A major impact constitutes either of the following: – Obvious signs of degradation (erosion, presence of invasive species and changes in microclimatic conditions) – Major impact to hydrology – Impacts a habitat of high sensitivity – Effective habitat area significantly reduced	A moderate impact constitutes either of the following: – Some signs of degradations (erosion, presence of invasive species and changes in microclimatic conditions) – Moderate impact to hydrology – Impacts a habitat of moderate sensitivity – Effective habitat area partially reduced	A minor impact constitutes either of the following: – Imperceptible signs of degradation (erosion, presence of invasive species and changes in microclimatic conditions) – Minor impact to hydrology – Impacts a habitat of low sensitivity or ecological value – Effective habitat area minimally reduced
Change in species composition	– Habitat type transitions to one of poorer ecological value	– Habitat type remains unchanged but habitat condition declined	– Habitat type and condition remain unchanged
Plant Species			
Mortality	More than 50% of all plant specimens of this species are within the Phase 3 boundary	30–50% of all plant specimens of this species are within the Phase 3 boundary	Less than 30% of all plant specimens of this species are within the Phase 3 boundary (construction phase)
Impediment to seedling recruitment			
Competition from exotic plant species	More than 50% of all plant specimens of this species are within 30 m from the Phase 3 boundary	30–50% of all plant specimens of this species are within 30 m from the Phase 3 boundary	Less than 30% of all plant specimens of this species are within 30 m from the Phase 3 boundary
Decline in plant health and survival			
Faunal Species			
Loss of/reduction in habitats and food sources	A major impact constitutes either of the following: – Loss of >40% of original habitat – Retention of <60% of original habitat	A moderate impact constitutes either of the following: – Loss of 10–40% of original habitat – Retention of >60% of original habitat	A minor impact constitutes either of the following: – Loss of <10% of original habitat – Retention of >90% of original habitat

Potential Ecological Impact	Major	Moderate	Minor
Injury or mortality	Species with high susceptibility to collisions with vehicles: – All birds, including migratory species – All amphibians – All reptiles – Mammals: long-tailed macaque, wild pig, Sunda pangolin, leopard cats – Has small population size	Species that are mobile but possibly susceptible to injury/mortality: – Amphibious aquatic species – All amphibians – Mammals: squirrels, shrews – Possibly susceptible to roadkills	Species with low susceptibility to injury/mortality: – Volant species (e.g., odonates, butterflies, birds and bats) – Low susceptibility to roadkills
Loss of connectivity	A major impact is applicable for species with either of the following characteristics: – Highly dependent on connected and forested habitats for dispersal (i.e. low dispersal ability) – Susceptible to roadkills – Has large home range	A moderate impact is applicable for species with either of the following characteristics: – Dependent on connected and forested habitats for dispersal (i.e. intermediate dispersal ability) – Possibly susceptible to roadkills – Has moderate home range	A minor impact is applicable for species with either of the following characteristics: – Not dependent on connected and forested habitats for dispersal and able to traverse urban infrastructures (i.e. high dispersal ability) – Low susceptibility to roadkills – Has small home range

Appendix C1

List of Plant Species in Turf City (Sites I, II and III)

Site	Species	Family	Origin	Status	Habit
Turf City (Sites I and]	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree
Turf City (Sites I and]	*Acacia mangium*	Fabaceae	Exotic	Naturalised	Tree
Turf City (Sites I and]	*Acalypha siamensis*	Euphorbiaceae	Exotic	Casual	Shrub
Turf City (Sites I and]	*Acalypha wilkesiana*	Euphorbiaceae	Exotic	Cultivated Only	Shrub
Turf City (Sites I and]	*Acmella paniculata*	Asteraceae	Exotic	Not assessed	Herb
Turf City (Sites I and]	*Acroceras munroanum*	Poaceae	Exotic	Casual	Herb
Turf City (Sites I and]	*Acrostichum aureum*	Pteridaceae	Native	Common	Herb
Turf City (Sites I and]	*Actinodaphne macrophylla*	Lauraceae	Native	Presumed Extinct	Tree
Turf City (Sites I and]	*Adenanthera pavonina*	Fabaceae	Exotic	Naturalised	Tree
Turf City (Sites I and]	*Adiantum latifolium*	Adiantaceae	Exotic	Naturalised	Herb
Turf City (Sites I and]	*Adinandra dumosa*	Pentaphylacaceae	Native	Common	Tree
Turf City (Sites I and]	*Aegle marmelos*	Rutaceae	Exotic	Cultivated Only	Tree
Turf City (Sites I and]	*Agelaea borneensis*	Connaraceae	Native	Vulnerable	Climber
Turf City (Sites I and]	*Aglaonema* cultivar	Araceae	Exotic	Casual	Herb
Turf City (Sites I and]	*Alocasia longiloba*	Araceae	Native	Common	Herb
Turf City (Sites I and]	*Alsophila latebrosa*	Cyatheaceae	Native	Vulnerable	Tree
Turf City (Sites I and]	*Alstonia angustifolia*	Apocynaceae	Native	Common	Tree
Turf City (Sites I and]	*Alstonia angustiloba*	Apocynaceae	Native	Common	Tree
Turf City (Sites I and]	*Alstonia scholaris*	Apocynaceae	Exotic	Cultivated Only	Tree
Turf City (Sites I and]	*Amphineuron opulentum*	Thelypteridaceae	Native	Endangered	Climber
Turf City (Sites I and]	*Andira inermis*	Fabaceae	Exotic	Casual	Tree
Turf City (Sites I and]	*Angiopteris evecta*	Marattiaceae	Native	Vulnerable	Herb
Turf City (Sites I and]	*Aphanamixis polystachya*	Meliaceae	Native	Endangered	Tree
Turf City (Sites I and]	*Aporosa benthamiana*	Phyllanthaceae	Native	Vulnerable	Tree
Turf City (Sites I and]	*Aporosa lucida* var. *lucida*	Phyllanthaceae	Native	Critically Endangered	Tree
Turf City (Sites I and]	*Aporosa nigricans*	Phyllanthaceae	Native	Endangered	Tree
Turf City (Sites I and]	*Araucaria* cf. *columnaris*	Araucariaceae	Exotic	Cultivated Only	Tree
Turf City (Sites I and]	*Araucaria heterophylla*	Araucariaceae	Exotic	Cultivated Only	Tree
Turf City (Sites I and]	*Archidendron jiringa*	Fabaceae	Native	Vulnerable	Tree
Turf City (Sites I and]	*Ardisia sanguinolenta*	Primulaceae	Native	Common	Shrub

Turf City (Sites I and]	*Aristolochia acuminata*	Aristolochiaceae	Exotic	Cultivated Only	Climber
Turf City (Sites I and]	*Artabotrys suaveolens*	Annonaceae	Native	Endangered	Climber
Turf City (Sites I and]	*Arthrophyllum diversifolium*	Araliaceae	Native	Common	Tree
Turf City (Sites I and]	*Artocarpus heterophyllus*	Moraceae	Exotic	Casual	Tree
Turf City (Sites I and]	*Artocarpus integer*	Moraceae	Exotic	Casual	Tree
Turf City (Sites I and]	*Aspidopterys concava*	Malpighiaceae	Native	Endangered	Climber
Turf City (Sites I and]	*Asplenium nidus*	Aspleniaceae	Native	Common	Epiphyte
Turf City (Sites I and]	*Asystasia gangetica* ssp. *micrantha*	Acanthaceae	Exotic	Naturalised	Herb
Turf City (Sites I and]	*Averrhoa bilimbi*	Oxalidaceae	Exotic	Casual	Tree
Turf City (Sites I and]	*Axonopus compressus*	Poaceae	Exotic	Naturalised	Herb
Turf City (Sites I and]	*Baccaurea pyriformis*	Phyllanthaceae	Native	Presumed Extinct	Tree
Turf City (Sites I and]	*Bambusa vulgaris*	Poaceae	Exotic	Casual	Shrub
Turf City (Sites I and]	*Baphia nitida*	Fabaceae	Exotic	Casual	Shrub
Turf City (Sites I and]	*Bauhinia* × *blakeana*	Fabaceae	Exotic	Not assessed	Tree
Turf City (Sites I and]	*Bridelia stipularis*	Phyllanthaceae	Native	Vulnerable	Shrub
Turf City (Sites I and]	*Bridelia tomentosa*	Phyllanthaceae	Native	Common	Tree
Turf City (Sites I and]	*Bulbophyllum vaginatum*	Orchidaceae	Native	Endangered	Epiphyte
Turf City (Sites I and]	*Caladium bicolor*	Araceae	Exotic	Cultivated Only	Herb
Turf City (Sites I and]	*Calathea lutea*	Marantaceae	Exotic	Cultivated Only	Herb
Turf City (Sites I and]	*Callistemon viminalis*	Myrtaceae	Exotic	Cultivated Only	Tree
Turf City (Sites I and]	*Calophyllum inophyllum*	Calophyllaceae	Native	Critically Endangered	Tree
Turf City (Sites I and]	*Calophyllum rubiginosum*	Calophyllaceae	Native	Endangered	Tree
Turf City (Sites I and]	*Calophyllum tetrapterum*	Calophyllaceae	Native	Vulnerable	Tree
Turf City (Sites I and]	*Calopogonium mucunoides*	Fabaceae	Exotic	Naturalised	Climber
Turf City (Sites I and]	*Campnosperma auriculatum*	Anacardiaceae	Native	Common	Tree
Turf City (Sites I and]	*Canna indica*	Cannaceae	Exotic	Naturalised	Herb
Turf City (Sites I and]	*Carallia brachiata*	Rhizophoraceae	Native	Endangered	Tree
Turf City (Sites I and]	*Carallia brachiata* 'Honiara'	Rhizophoraceae	Exotic	Cultivated Only	Tree
Turf City (Sites I and]	*Caryota mitis*	Arecaceae	Native	Common	Tree
Turf City (Sites I and]	*Cecropia pachystachya*	Urticaceae	Exotic	Naturalised	Tree
Turf City (Sites I and]	*Centella asiatica*	Apiaceae	Native	Common	Herb

Turf City (Sites I and]	*Centotheca lappacea*	Poaceae	Native	Common	Herb
Turf City (Sites I and]	cf. *Asplenium nitidum*	Aspleniaceae	Native	Presumed Extinct	Epiphyte
Turf City (Sites I and]	cf. *Dibridsonia conferta*	Rubiaceae	Native	Endangered	Tree
Turf City (Sites I and]	cf. *Psydrax* sp. 10	Rubiaceae	Native	Not assessed	Tree
Turf City (Sites I and]	*Christella dentata*	Thelypteridaceae	Cryptogenic	-	Herb
Turf City (Sites I and]	*Cinnamomum iners*	Lauraceae	Native	Common	Tree
Turf City (Sites I and]	*Cissus hastata*	Vitaceae	Cryptogenic	-	Climber
Turf City (Sites I and]	*Claoxylon indicum*	Euphorbiaceae	Native	Common	Tree
Turf City (Sites I and]	*Clausena excavata*	Rutaceae	Native	Common	Shrub
Turf City (Sites I and]	*Cleome rutidosperma*	Cleomaceae	Exotic	Naturalised	Herb
Turf City (Sites I and]	*Clidemia hirta*	Melastomataceae	Exotic	Naturalised	Shrub
Turf City (Sites I and]	*Coccinia grandis*	Cucurbitaceae	Exotic	Naturalised	Climber
Turf City (Sites I and]	*Cocos nucifera*	Arecaceae	Exotic	Naturalised	Tree
Turf City (Sites I and]	*Commelina diffusa*	Commelinaceae	Cryptogenic	-	Herb
Turf City (Sites I and]	*Connarus semidecandrus*	Connaraceae	Native	Critically Endangered	Climber
Turf City (Sites I and]	*Cordyline fruticosa*	Asparagaceae	Exotic	Casual	Shrub
Turf City (Sites I and]	*Cyanthillium cinereum*	Asteraceae	Exotic	Not assessed	Herb
Turf City (Sites I and]	*Cyclosorus polycarpus*	Thelypteridaceae	Native	Vulnerable	Herb
Turf City (Sites I and]	*Cyclosorus triphyllus* var. *triphyllus*	Thelypteridaceae	Native	Common	Herb
Turf City (Sites I and]	*Cyperus alternifolius*	Cyperaceae	Exotic	Cultivated Only	Herb
Turf City (Sites I and]	*Cyperus sphacelatus*	Cyperaceae	Exotic	Naturalised	Herb
Turf City (Sites I and]	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree
Turf City (Sites I and]	*Cyrtostachys renda*	Arecaceae	Native	Presumed Extinct	Shrub
Turf City (Sites I and]	*Dacryodes* cf. *rostrata*	Burseraceae	Native	Vulnerable	Tree
Turf City (Sites I and]	*Dalbergia oliveri*	Fabaceae	Exotic	Cultivated Only	Tree
Turf City (Sites I and]	*Davallia denticulata*	Davalliaceae	Native	Common	Epiphyte
Turf City (Sites I and]	*Dendrobium crumenatum*	Orchidaceae	Native	Common	Epiphyte
Turf City (Sites I and]	*Desmodium heterophyllum*	Fabaceae	Cryptogenic	-	Herb
Turf City (Sites I and]	*Desmodium triflorum*	Fabaceae	Cryptogenic	-	Herb
Turf City (Sites I and]	*Dicranopteris linearis*	Gleicheniaceae	Native	Common	Climber
Turf City (Sites I and]	*Dieffenbachia seguine var. seguine*	Araceae	Exotic	Casual	Herb

Turf City (Sites I and]	*Dillenia* sp.	Dilleniaceae	Native	-	-
Turf City (Sites I and]	*Dillenia suffruticosa*	Dilleniaceae	Native	Common	Shrub
Turf City (Sites I and]	*Dracaena fragrans*	Ruscaceae	Exotic	Casual	Shrub
Turf City (Sites I and]	*Dracaena surculosa*	Ruscaceae	Exotic	Cultivated Only	Shrub
Turf City (Sites I and]	*Drynaria quercifolia*	Polypodiaceae	Native	Common	Epiphyte
Turf City (Sites I and]	*Durio zibethinus*	Malvaceae	Exotic	Casual	Tree
Turf City (Sites I and]	*Dypsis lutescens*	Arecaceae	Exotic	Cultivated Only	Shrub
Turf City (Sites I and]	*Eclipta prostrata*	Asteraceae	Exotic	Naturalised	Herb
Turf City (Sites I and]	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree
Turf City (Sites I and]	*Elaeocarpus angustifolius*	Elaeocarpaceae	Exotic	Cultivated Only	Tree
Turf City (Sites I and]	*Elaeocarpus ferrugineus*	Elaeocarpaceae	Native	Common	Tree
Turf City (Sites I and]	*Elaeocarpus petiolatus*	Elaeocarpaceae	Native	Common	Tree
Turf City (Sites I and]	*Eleusine indica*	Poaceae	Exotic	Naturalised	Herb
Turf City (Sites I and]	*Emilia sonchifolia*	Asteraceae	Cryptogenic	-	Herb
Turf City (Sites I and]	*Endospermum* sp.	Euphorbiaceae	Native	Vulnerable	Tree
Turf City (Sites I and]	*Eragrostis amabilis*	Poaceae	Cryptogenic	-	Herb
Turf City (Sites I and]	*Erycibe tomentosa*	Convolvulaceae	Native	Common	Climber
Turf City (Sites I and]	*Erythrophleum suaveolens*	Fabaceae	Exotic	Cultivated Only	Tree
Turf City (Sites I and]	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree
Turf City (Sites I and]	*Fibraurea tinctoria*	Menispermaceae	Native	Common	Climber
Turf City (Sites I and]	*Ficus aurata* var. *aurata*	Moraceae	Native	Vulnerable	Tree
Turf City (Sites I and]	*Ficus barteri*	Moraceae	Exotic	Cultivated Only	Tree
Turf City (Sites I and]	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler
Turf City (Sites I and]	*Ficus fistulosa*	Moraceae	Native	Common	Tree
Turf City (Sites I and]	*Ficus glandulifera*	Moraceae	Native	Critically Endangered	Tree
Turf City (Sites I and]	*Ficus globosa*	Moraceae	Native	Endangered	Shrub
Turf City (Sites I and]	*Ficus grossularioides* var. *grossularioides*	Moraceae	Native	Common	Tree
Turf City (Sites I and]	*Ficus heteropleura*	Moraceae	Native	Common	Climber
Turf City (Sites I and]	*Ficus hispida*	Moraceae	Exotic	Naturalised	Tree
Turf City (Sites I and]	*Ficus kerkhovenii*	Moraceae	Native	Critically Endangered	Strangler
Turf City (Sites I and]	*Ficus lyrata*	Moraceae	Exotic	Cultivated Only	Tree

Turf City (Sites I and]	*Ficus microcarpa*	Moraceae	Native	Common	Strangler
Turf City (Sites I and]	*Ficus punctata*	Moraceae	Native	Common	Climber
Turf City (Sites I and]	*Ficus religiosa*	Moraceae	Exotic	Naturalised	Strangler
Turf City (Sites I and]	*Ficus variegata*	Moraceae	Native	Common	Tree
Turf City (Sites I and]	*Fimbristylis dichotoma*	Cyperaceae	Cryptogenic	-	Herb
Turf City (Sites I and]	*Flagellaria indica*	Flagellariaceae	Native	Common	Climber
Turf City (Sites I and]	*Gironniera nervosa*	Cannabaceae	Native	Common	Tree
Turf City (Sites I and]	*Gloriosa superba*	Colchicaceae	Exotic	Casual	Climber
Turf City (Sites I and]	*Gnetum gnemon* var. *gnemon*	Gnetaceae	Native	Critically Endangered	Tree
Turf City (Sites I and]	*Goniophlebium percussum*	Polypodiaceae	Native	Vulnerable	Epiphyte
Turf City (Sites I and]	*Guioa pleuropteris*	Sapindaceae	Native	Vulnerable	Shrub
Turf City (Sites I and]	*Guioa pubescens*	Sapindaceae	Native	Vulnerable	Tree
Turf City (Sites I and]	*Gymnacranthera farquhariana* var. *farquhari*	Myristicaceae	Native	Critically Endangered	Tree
Turf City (Sites I and]	*Gynotroches axillaris*	Rhizophoraceae	Native	Common	Tree
Turf City (Sites I and]	*Hedyotis auricularia*	Rubiaceae	Native	Common	Herb
Turf City (Sites I and]	*Heliconia* cultivar	Heliconiaceae	Exotic	-	Shrub
Turf City (Sites I and]	*Horsfieldia polyspherula*	Myristicaceae	Native	Vulnerable	Tree
Turf City (Sites I and]	*Hyptis capitata*	Lamiaceae	Exotic	Naturalised	Herb
Turf City (Sites I and]	*Indorouchera griffithiana*	Linaceae	Native	Common	Climber
Turf City (Sites I and]	*Ischaemum ciliare*	Poaceae	Cryptogenic	-	Herb
Turf City (Sites I and]	*Ischaemum muticum*	Poaceae	Native	Common	Herb
Turf City (Sites I and]	*Ixora chinensis*	Rubiaceae	Exotic	Cultivated Only	Shrub
Turf City (Sites I and]	*Khaya grandifoliola*	Meliaceae	Exotic	Cultivated Only	Tree
Turf City (Sites I and]	*Khaya senegalensis*	Meliaceae	Exotic	Cultivated Only	Tree
Turf City (Sites I and]	*Kyllinga brevifolia*	Cyperaceae	Cryptogenic	-	Herb
Turf City (Sites I and]	*Kyllinga nemoralis*	Cyperaceae	Cryptogenic	-	Herb
Turf City (Sites I and]	*Kyllinga polyphylla*	Cyperaceae	Exotic	Naturalised	Herb
Turf City (Sites I and]	*Lantana camara*	Verbenaceae	Exotic	Naturalised	Shrub
Turf City (Sites I and]	*Leea indica*	Vitaceae	Native	Common	Tree
Turf City (Sites I and]	*Legazpia polygonoides*	Linderniaceae	Exotic	Not assessed	Herb
Turf City (Sites I and]	*Lepisanthes alata*	Sapindaceae	Exotic	Cultivated Only	Tree

Turf City (Sites I and]	*Lepisanthes rubiginosa*	Sapindaceae	Native	Common	Tree
Turf City (Sites I and]	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree
Turf City (Sites I and]	*Licuala grandis*	Arecaceae	Exotic	Cultivated Only	Tree
Turf City (Sites I and]	*Litsea elliptica*	Lauraceae	Native	Common	Tree
Turf City (Sites I and]	*Litsea firma*	Lauraceae	Native	Vulnerable	Tree
Turf City (Sites I and]	*Ludwigia hyssopifolia*	Onagraceae	Cryptogenic	-	Herb
Turf City (Sites I and]	*Lygodium longifolium*	Schizaeaceae	Native	Vulnerable	Climber
Turf City (Sites I and]	*Macaranga bancana*	Euphorbiaceae	Native	Common	Tree
Turf City (Sites I and]	*Macaranga conifera*	Euphorbiaceae	Native	Common	Tree
Turf City (Sites I and]	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree
Turf City (Sites I and]	*Macaranga griffithiana*	Euphorbiaceae	Native	Vulnerable	Tree
Turf City (Sites I and]	*Macaranga heynei*	Euphorbiaceae	Native	Common	Tree
Turf City (Sites I and]	*Macaranga hullettii*	Euphorbiaceae	Native	Critically Endangered	Tree
Turf City (Sites I and]	*Macaranga hypoleuca*	Euphorbiaceae	Native	Common	Tree
Turf City (Sites I and]	*Macrosolen cochinchinensis*	Loranthaceae	Native	Common	Epiphyte
Turf City (Sites I and]	*Mallotus paniculatus*	Euphorbiaceae	Native	Common	Tree
Turf City (Sites I and]	*Mangifera indica*	Anacardiaceae	Exotic	Casual	Tree
Turf City (Sites I and]	*Mangifera odorata*	Anacardiaceae	Native	Vulnerable	Tree
Turf City (Sites I and]	*Manihot carthagenensis* ssp. *glaziovii*	Euphorbiaceae	Exotic	Naturalised	Tree
Turf City (Sites I and]	*Manilkara zapota*	Sapotaceae	Exotic	Cultivated Only	Tree
Turf City (Sites I and]	*Megathyrsus maximus*	Poaceae	Exotic	Naturalised	Herb
Turf City (Sites I and]	*Melastoma malabathricum*	Melastomataceae	Native	Common	Shrub
Turf City (Sites I and]	*Melothria pendula*	Cucurbitaceae	Exotic	Not assessed	Climber
Turf City (Sites I and]	*Merremia umbellata*	Convolvulaceae	Cryptogenic	-	Climber
Turf City (Sites I and]	*Microlepia speluncae*	Dennstaedtiaceae	Native	Common	Herb
Turf City (Sites I and]	*Microsorum scolopendria*	Polypodiaceae	Native	Common	Epiphyte
Turf City (Sites I and]	*Mikania micrantha*	Asteraceae	Exotic	Naturalised	Climber
Turf City (Sites I and]	*Mimosa pudica*	Fabaceae	Exotic	Naturalised	Shrub
Turf City (Sites I and]	*Morella esculenta*	Myricaceae	Native	Common	Tree
Turf City (Sites I and]	*Morinda citrifolia*	Rubiaceae	Cryptogenic	-	Tree
Turf City (Sites I and]	*Moringa oleifera*	Rubiaceae	Exotic	Cultivated Only	Tree

Turf City (Sites I and]	*Murraya paniculata*	Rutaceae	Exotic	Cultivated Only	Shrub
Turf City (Sites I and]	*Musa acuminata*	Musaceae	Exotic	Cultivated Only	Shrub
Turf City (Sites I and]	*Musa cultivar*	Musaceae	Exotic	Not assessed	Herb
Turf City (Sites I and]	*Myristica fragrans*	Myristicaceae	Exotic	Cultivated Only	Tree
Turf City (Sites I and]	*Neolitsea cassia*	Lauraceae	Native	Vulnerable	Tree
Turf City (Sites I and]	*Nepenthes gracilis*	Nepenthaceae	Native	Common	Climber
Turf City (Sites I and]	*Nephelium lappaceum*	Sapindaceae	Native	Critically Endangered	Tree
Turf City (Sites I and]	*Nephrolepis biserrata*	Oleandraceae	Cryptogenic	-	Herb
Turf City (Sites I and]	*Nephrolepis* cf. *acutifolia*	Oleandraceae	Native	Endangered	Epiphyte
Turf City (Sites I and]	*Oldenlandia corymbosa*	Rubiaceae	Exotic	Naturalised	Herb
Turf City (Sites I and]	*Oncosperma tigillarium*	Arecaceae	Native	Vulnerable	Shrub
Turf City (Sites I and]	*Ottochloa nodosa*	Poaceae	Native	Common	Herb
Turf City (Sites I and]	*Oxalis barrelieri*	Oxalidaceae	Exotic	Naturalised	Herb
Turf City (Sites I and]	*Paederia foetida*	Rubiaceae	Native	Common	Climber
Turf City (Sites I and]	*Palaquium obovatum*	Sapotaceae	Native	Vulnerable	Tree
Turf City (Sites I and]	*Pandanus amaryllifolius*	Pandanaceae	Exotic	Casual	Shrub
Turf City (Sites I and]	*Pellacalyx axillaris*	Rhizophoraceae	Native	Endangered	Tree
Turf City (Sites I and]	*Peltophorum pterocarpum*	Fabaceae	Native	Critically Endangered	Tree
Turf City (Sites I and]	*Philodendron erubescens* 'Gold'	Araceae	Exotic	Cultivated Only	Climber
Turf City (Sites I and]	*Philodendron hederaceum*	Araceae	Exotic	Casual	Herb
Turf City (Sites I and]	*Phlegmariurus carinatus*	Lycopodiaceae	Native	Presumed Extinct	Epiphyte
Turf City (Sites I and]	*Phyllanthus myrtifolius*	Phyllanthaceae	Exotic	Cultivated Only	Shrub
Turf City (Sites I and]	*Phyllanthus urinaria*	Phyllanthaceae	Exotic	Naturalised	Herb
Turf City (Sites I and]	*Piper betle*	Piperaceae	Exotic	Casual	Climber
Turf City (Sites I and]	*Piper pedicellosum*	Piperaceae	Native	Critically Endangered	Climber
Turf City (Sites I and]	*Planchonella obovata*	Sapotaceae	Native	Vulnerable	Tree
Turf City (Sites I and]	*Plectranthus monostachyus*	Lamiaceae	Exotic	Not assessed	Herb
Turf City (Sites I and]	*Polyalthia longifolia*	Annonaceae	Exotic	Cultivated Only	Tree
Turf City (Sites I and]	*Praxelis clematidea*	Asteraceae	Exotic	Naturalised	Herb
Turf City (Sites I and]	*Prunus polystachya*	Rosaceae	Native	Common	Tree
Turf City (Sites I and]	*Psychotria sarmentosa*	Rubiaceae	Native	Critically Endangered	Climber

Turf City (Sites I and]	*Pteris ensiformis*	Pteridaceae	Cryptogenic	-	Herb
Turf City (Sites I and]	*Pternandra caerulescens*	Melastomataceae	Native	Vulnerable	Tree
Turf City (Sites I and]	*Pterocarpus indicus*	Fabaceae	Exotic	Casual	Tree
Turf City (Sites I and]	*Ptychosperma macarthurii*	Arecaceae	Exotic	Naturalised	Tree
Turf City (Sites I and]	*Pyrrosia lanceolata*	Polypodiaceae	Native	Common	Epiphyte
Turf City (Sites I and]	*Pyrrosia piloselloides*	Polypodiaceae	Native	Common	Epiphyte
Turf City (Sites I and]	*Ravenala madagascariensis*	Strelitziaceae	Exotic	Cultivated Only	Tree
Turf City (Sites I and]	*Rhapis excelsa*	Arecaceae	Exotic	Cultivated Only	Shrub
Turf City (Sites I and]	*Rhodamnia cinerea*	Myrtaceae	Native	Common	Tree
Turf City (Sites I and]	*Ruellia repens*	Acanthaceae	Cryptogenic	-	Herb
Turf City (Sites I and]	*Sacciolepis indica*	Poaceae	Cryptogenic	-	Herb
Turf City (Sites I and]	*Samanea saman*	Fabaceae	Exotic	Casual	Tree
Turf City (Sites I and]	*Sauropus androgynus*	Phyllanthaceae	Native	Common	Shrub
Turf City (Sites I and]	*Schefflera actinophylla*	Araliaceae	Exotic	Casual	Tree
Turf City (Sites I and]	*Selaginella ciliaris*	Selaginellaceae	Native	Common	Climber
Turf City (Sites I and]	*Senna siamea*	Fabaceae	Exotic	Cultivated Only	Tree
Turf City (Sites I and]	*Solanum torvum*	Solanaceae	Exotic	Naturalised	Shrub
Turf City (Sites I and]	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree
Turf City (Sites I and]	*Spermacoce exilis*	Rubiaceae	Cryptogenic	-	Herb
Turf City (Sites I and]	*Spermacoce latifolia*	Rubiaceae	Exotic	Naturalised	Herb
Turf City (Sites I and]	*Sphagneticola trilobata*	Asteraceae	Exotic	Naturalised	Herb
Turf City (Sites I and]	*Spigelia anthelmia*	Loganiaceae	Exotic	Naturalised	Herb
Turf City (Sites I and]	*Sporobolus indicus*	Poaceae	Native	Common	Herb
Turf City (Sites I and]	*Stenochlaena palustris*	Blechnaceae	Native	Common	Climber
Turf City (Sites I and]	*Stenotaphrum secundatum*	Poaceae	Exotic	Naturalised	Herb
Turf City (Sites I and]	*Sterculia parviflora*	Malvaceae	Native	Critically Endangered	Tree
Turf City (Sites I and]	*Striga asiatica*	Orobanchaceae	Cryptogenic	-	Herb
Turf City (Sites I and]	*Strophanthus caudatus*	Apocynaceae	Native	Endangered	Climber
Turf City (Sites I and]	*Struchium sparganophorum*	Asteraceae	Exotic	Naturalised	Herb
Turf City (Sites I and]	*Symplocos fasciculata*	Symplocaceae	Native	Vulnerable	Tree
Turf City (Sites I and]	*Syngonium podophyllum*	Araceae	Exotic	Naturalised	Climber

Turf City (Sites I and]	*Syzygium borneense*	Myrtaceae	Native	Common	Tree
Turf City (Sites I and]	*Syzygium* cf. *fastigiatum*	Myrtaceae	Not assessed	-	Tree
Turf City (Sites I and]	*Syzygium* cf. *pustulatum*	Myrtaceae	Native	Critically Endangered	Tree
Turf City (Sites I and]	*Syzygium grande*	Myrtaceae	Native	Common	Tree
Turf City (Sites I and]	*Syzygium lineatum*	Myrtaceae	Native	Common	Tree
Turf City (Sites I and]	*Syzygium malaccense*	Myrtaceae	Exotic	Casual	Tree
Turf City (Sites I and]	*Syzygium myrtifolium*	Myrtaceae	Native	Presumed Extinct	Tree
Turf City (Sites I and]	*Syzygium polyanthum*	Myrtaceae	Native	Vulnerable	Tree
Turf City (Sites I and]	*Syzygium zeylanicum*	Myrtaceae	Native	Common	Shrub
Turf City (Sites I and]	*Tabebuia rosea*	Bignoniaceae	Exotic	Casual	Tree
Turf City (Sites I and]	*Taenitis blechnoides*	Pteridaceae	Native	Common	Climber
Turf City (Sites I and]	*Terminalia catappa*	Combretaceae	Native	Common	Tree
Turf City (Sites I and]	*Tetracera indica*	Dilleniaceae	Native	Common	Climber
Turf City (Sites I and]	*Thaumatococcus daniellii*	Marantaceae	Exotic	Casual	Shrub
Turf City (Sites I and]	*Thyrsostachys siamensis*	Poaceae	Exotic	Casual	Shrub
Turf City (Sites I and]	*Timonius wallichianus*	Rubiaceae	Native	Common	Tree
Turf City (Sites I and]	*Tradescantia spathacea*	Commelinaceae	Exotic	Cultivated Only	Shrub
Turf City (Sites I and]	*Triadica cochinchinensis*	Euphorbiaceae	Native	Common	Tree
Turf City (Sites I and]	*Uncaria longiflora* var. *pteropoda*	Rubiaceae	Native	Critically Endangered	Climber
Turf City (Sites I and]	*Vitex pinnata*	Lamiaceae	Native	Common	Tree
Turf City (Sites I and]	*Xanthophyllum ellipticum*	Polygalaceae	Native	Critically Endangered	Tree
Turf City (Sites I and]	*Xanthophyllum eurhynchum*	Polygalaceae	Native	Vulnerable	Shrub
Turf City (Sites I and]	*Xylopia malayana*	Annonaceae	Native	Common	Tree
Turf City (Site III)	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree
Turf City (Site III)	*Alocasia longiloba*	Araceae	Native	Common	Herb
Turf City (Site III)	*Alocasia macrorrhizos*	Araceae	Exotic	Naturalised	Herb
Turf City (Site III)	*Alsophila latebrosa*	Cyatheaceae	Native	Vulnerable	Tree
Turf City (Site III)	*Alternanthera sessilis*	Amaranthaceae	Cryptogenic	-	Herb
Turf City (Site III)	*Amphineuron opulentum*	Thelypteridaceae	Native	Endangered	Climber
Turf City (Site III)	*Andira inermis*	Fabaceae	Exotic	Casual	Tree
Turf City (Site III)	*Aphanamixis polystachya*	Meliaceae	Native	Endangered	Tree

Turf City (Site III)	*Aporosa benthamiana*	Phyllanthaceae	Native	Vulnerable	Tree
Turf City (Site III)	*Ardisia elliptica*	Myrsinaceae	Native	Endangered	Tree
Turf City (Site III)	*Artabotrys suaveolens*	Annonaceae	Native	Endangered	Climber
Turf City (Site III)	*Arthrophyllum diversifolium*	Araliaceae	Native	Common	Tree
Turf City (Site III)	*Asplenium longissimum*	Aspleniaceae	Native	Common	Epiphyte
Turf City (Site III)	*Asplenium nidus*	Aspleniaceae	Native	Common	Epiphyte
Turf City (Site III)	*Asplenium nitidum*	Aspleniaceae	Native	Presumed Extinct	Epiphyte
Turf City (Site III)	*Asystasia gangetica* ssp. *micrantha*	Acanthaceae	Exotic	Naturalised	Herb
Turf City (Site III)	*Axonopus compressus*	Poaceae	Exotic	Naturalised	Herb
Turf City (Site III)	*Bridelia stipularis*	Phyllanthaceae	Native	Vulnerable	Shrub
Turf City (Site III)	*Bridelia tomentosa*	Phyllanthaceae	Native	Common	Tree
Turf City (Site III)	*Calophyllum soulattri*	Calophyllaceae	Exotic	Not assessed	Tree
Turf City (Site III)	*Calophyllum tetrapterum*	Calophyllaceae	Native	Vulnerable	Tree
Turf City (Site III)	*Canna indica*	Cannaceae	Exotic	Naturalised	Herb
Turf City (Site III)	*Caryota mitis*	Arecaceae	Native	Common	Tree
Turf City (Site III)	*Centella asiatica*	Apiaceae	Native	Common	Herb
Turf City (Site III)	*Centotheca lappacea*	Poaceae	Native	Common	Herb
Turf City (Site III)	*Christella dentata*	Thelypteridaceae	Cryptogenic	-	Herb
Turf City (Site III)	*Cinnamomum iners*	Lauraceae	Native	Common	Tree
Turf City (Site III)	*Claoxylon indicum*	Euphorbiaceae	Native	Common	Tree
Turf City (Site III)	*Clausena excavata*	Rutaceae	Native	Common	Shrub
Turf City (Site III)	*Clidemia hirta*	Melastomataceae	Exotic	Naturalised	Shrub
Turf City (Site III)	*Coccinia grandis*	Cucurbitaceae	Exotic	Naturalised	Climber
Turf City (Site III)	*Colubrina asiatica*	Rhamnaceae	Native	Common	Shrub
Turf City (Site III)	*Commersonia bartramia*	Malvaceae	Native	Common	Tree
Turf City (Site III)	*Cyathula prostrata*	Amaranthaceae	Native	Common	Shrub
Turf City (Site III)	*Cyclosorus interruptus*	Thelypteridaceae	Native	Common	Herb
Turf City (Site III)	*Cyclosorus polycarpus*	Thelypteridaceae	Native	Vulnerable	Herb
Turf City (Site III)	*Cyclosorus triphyllus* var. *triphyllus*	Thelypteridaceae	Native	Common	Herb
Turf City (Site III)	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree
Turf City (Site III)	*Delonix regia*	Fabaceae	Exotic	Cultivated Only	Tree

Turf City (Site III)	*Dillenia* sp.	Dilleniaceae	-	-	-
Turf City (Site III)	*Dillenia suffruticosa*	Dilleniaceae	Native	Common	Shrub
Turf City (Site III)	*Dischidia nummularia*	Apocynaceae	Native	Common	Epiphyte
Turf City (Site III)	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree
Turf City (Site III)	*Eleutheranthera ruderalis*	Asteraceae	Exotic	Naturalised	Herb
Turf City (Site III)	*Endospermum* sp.	Euphorbiaceae	Native	Vulnerable	Tree
Turf City (Site III)	*Erycibe tomentosa*	Convolvulaceae	Native	Common	Climber
Turf City (Site III)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree
Turf City (Site III)	*Ficus barteri*	Moraceae	Exotic	Cultivated Only	Tree
Turf City (Site III)	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler
Turf City (Site III)	*Ficus fistulosa*	Moraceae	Native	Common	Tree
Turf City (Site III)	*Ficus heteropleura*	Moraceae	Native	Common	Climber
Turf City (Site III)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler
Turf City (Site III)	*Ficus punctata*	Moraceae	Native	Common	Climber
Turf City (Site III)	*Ficus variegata*	Moraceae	Native	Common	Tree
Turf City (Site III)	*Flagellaria indica*	Flagellariaceae	Native	Common	Climber
Turf City (Site III)	*Gliricidia sepium*	Fabaceae	Exotic	Casual	Tree
Turf City (Site III)	*Goniophlebium percussum*	Polypodiaceae	Native	Vulnerable	Epiphyte
Turf City (Site III)	*Guioa pleuropteris*	Sapindaceae	Native	Vulnerable	Shrub
Turf City (Site III)	*Heliconia rostrata*	Heliconiaceae	Exotic	Cultivated Only	Shrub
Turf City (Site III)	*Horsfieldia polyspherula*	Myristicaceae	Native	Vulnerable	Tree
Turf City (Site III)	*Indorouchera griffithiana*	Linaceae	Native	Common	Climber
Turf City (Site III)	*Ixonanthes reticulata*	Ixonanthaceae	Native	Common	Tree
Turf City (Site III)	*Kyllinga nemoralis*	Cyperaceae	Cryptogenic	-	Herb
Turf City (Site III)	*Leea indica*	Vitaceae	Native	Common	Tree
Turf City (Site III)	*Lepisanthes rubiginosa*	Sapindaceae	Native	Common	Tree
Turf City (Site III)	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree
Turf City (Site III)	*Limnocharis flava*	Alismataceae	Exotic	Naturalised	Shrub
Turf City (Site III)	*Lindernia antipoda*	Linderniaceae	Cryptogenic	-	Herb
Turf City (Site III)	*Lindernia rotundifolia*	Linderniaceae	Cryptogenic	-	Herb
Turf City (Site III)	*Litsea elliptica*	Lauraceae	Native	Common	Tree

Turf City (Site III)	*Litsea firma*	Lauraceae	Native	Vulnerable	Tree
Turf City (Site III)	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree
Turf City (Site III)	*Macaranga griffithiana*	Euphorbiaceae	Native	Vulnerable	Tree
Turf City (Site III)	*Macaranga hypoleuca*	Euphorbiaceae	Native	Common	Tree
Turf City (Site III)	*Manihot carthagenensis* ssp. *glaziovii*	Euphorbiaceae	Exotic	Naturalised	Tree
Turf City (Site III)	*Megathyrsus maximus*	Poaceae	Exotic	Naturalised	Herb
Turf City (Site III)	*Melastoma malabathricum*	Melastomataceae	Native	Common	Shrub
Turf City (Site III)	*Microsorum punctatum*	Polypodiaceae	Native	Common	Epiphyte
Turf City (Site III)	*Mikania micrantha*	Asteraceae	Exotic	Naturalised	Climber
Turf City (Site III)	*Monochoria vaginalis*	Pontederiaceae	Cryptogenic	-	Herb
Turf City (Site III)	*Morinda citrifolia*	Rubiaceae	Cryptogenic	-	Tree
Turf City (Site III)	*Muntingia calabura*	Muntingiaceae	Exotic	Naturalised	Tree
Turf City (Site III)	*Neolitsea cassia*	Lauraceae	Native	Vulnerable	Tree
Turf City (Site III)	*Nephrolepis biserrata*	Oleandraceae	Cryptogenic	-	Herb
Turf City (Site III)	*Nothaphoebe umbelliflora*	Lauraceae	Native	Common	Tree
Turf City (Site III)	*Oncosperma tigillarium*	Arecaceae	Native	Vulnerable	Shrub
Turf City (Site III)	*Paederia foetida*	Rubiaceae	Native	Common	Climber
Turf City (Site III)	*Passiflora suberosa*	Passifloraceae	Exotic	Naturalised	Climber
Turf City (Site III)	*Peltophorum pterocarpum*	Fabaceae	Native	Critically Endangered	Tree
Turf City (Site III)	*Phyllanthus urinaria*	Phyllanthaceae	Exotic	Naturalised	Herb
Turf City (Site III)	*Piper pedicellosum*	Piperaceae	Native	Critically Endangered	Climber
Turf City (Site III)	*Planchonella obovata*	Sapotaceae	Native	Vulnerable	Tree
Turf City (Site III)	*Polyalthia longifolia*	Annonaceae	Exotic	Cultivated Only	Tree
Turf City (Site III)	*Prunus polystachya*	Rosaceae	Native	Common	Tree
Turf City (Site III)	*Pterocarpus indicus*	Fabaceae	Exotic	Casual	Tree
Turf City (Site III)	*Ptychosperma macarthurii*	Arecaceae	Exotic	Naturalised	Tree
Turf City (Site III)	*Pyrrosia piloselloides*	Polypodiaceae	Native	Common	Epiphyte
Turf City (Site III)	*Rhodamnia cinerea*	Myrtaceae	Native	Common	Tree
Turf City (Site III)	*Ruellia repens*	Acanthaceae	Cryptogenic	-	Herb
Turf City (Site III)	*Sagittaria lancifolia*	Alismataceae	Exotic	Not assessed	Herb
Turf City (Site III)	*Samanea saman*	Fabaceae	Exotic	Casual	Tree

Turf City (Site III)	*Sauropus androgynus*	Phyllanthaceae	Native	Common	Shrub
Turf City (Site III)	*Selaginella ciliaris*	Selaginellaceae	Native	Common	Climber
Turf City (Site III)	*Senna siamea*	Fabaceae	Exotic	Cultivated Only	Tree
Turf City (Site III)	*Setaria barbata*	Poaceae	Exotic	Naturalised	Herb
Turf City (Site III)	*Solanum torvum*	Solanaceae	Exotic	Naturalised	Shrub
Turf City (Site III)	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree
Turf City (Site III)	*Spermacoce exilis*	Rubiaceae	Cryptogenic	-	Herb
Turf City (Site III)	*Sphagneticola trilobata*	Asteraceae	Exotic	Naturalised	Herb
Turf City (Site III)	*Stenochlaena palustris*	Blechnaceae	Native	Common	Climber
Turf City (Site III)	*Stenotaphrum secundatum*	Poaceae	Exotic	Naturalised	Herb
Turf City (Site III)	*Sterculia cordata*	Malvaceae	Native	Critically Endangered	Tree
Turf City (Site III)	*Sterculia macrophylla*	Malvaceae	Native	Critically Endangered	Tree
Turf City (Site III)	*Sterculia parviflora*	Malvaceae	Native	Critically Endangered	Tree
Turf City (Site III)	*Strobilanthes reptans*	Acanthaceae	Exotic	Naturalised	Shrub
Turf City (Site III)	*Syngonium podophyllum*	Araceae	Exotic	Naturalised	Climber
Turf City (Site III)	*Syzygium borneense*	Myrtaceae	Native	Common	Tree
Turf City (Site III)	*Syzygium grande*	Myrtaceae	Native	Common	Tree
Turf City (Site III)	*Syzygium lineatum*	Myrtaceae	Native	Common	Tree
Turf City (Site III)	*Syzygium myrtifolium*	Myrtaceae	Native	Presumed Extinct	Tree
Turf City (Site III)	*Syzygium polyanthum*	Myrtaceae	Native	Vulnerable	Tree
Turf City (Site III)	*Taenitis blechnoides*	Pteridaceae	Native	Common	Climber
Turf City (Site III)	*Tectaria incisa*	Dryopteridaceae	Cryptogenic	-	Herb
Turf City (Site III)	*Terminalia catappa*	Combretaceae	Native	Common	Tree
Turf City (Site III)	*Tetracera indica*	Dilleniaceae	Native	Common	Climber
Turf City (Site III)	*Tradescantia spathacea*	Commelinaceae	Exotic	Cultivated Only	Shrub
Turf City (Site III)	*Trema tomentosa*	Cannabaceae	Native	Common	Shrub
Turf City (Site III)	*Vitex pinnata*	Lamiaceae	Native	Common	Tree

Appendix C2

List of Plant Species in Plant species list for Holland Plain (Sites IV and V)

Site	Species	Family	Origin	Status	Habit
Holland Plain (Sites IV and V)	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree
Holland Plain (Sites IV and V)	*Acacia mangium*	Fabaceae	Exotic	Naturalised	Tree
Holland Plain (Sites IV and V)	*Acalypha indica*	Euphorbiaceae	Cryptogenic	-	Herb
Holland Plain (Sites IV and V)	*Acalypha siamensis*	Euphorbiaceae	Exotic	Casual	Shrub
Holland Plain (Sites IV and V)	*Acroceras munroanum*	Poaceae	Exotic	Casual	Herb
Holland Plain (Sites IV and V)	*Acrostichum speciosum*	Pteridaceae	Native	Common	Herb
Holland Plain (Sites IV and V)	*Adenanthera pavonina*	Fabaceae	Exotic	Naturalised	Tree
Holland Plain (Sites IV and V)	*Adiantum latifolium*	Adiantaceae	Exotic	Naturalised	Herb
Holland Plain (Sites IV and V)	*Adinandra dumosa*	Pentaphylacaceae	Native	Common	Tree
Holland Plain (Sites IV and V)	*Allamanda cathartica*	Apocynaceae	Exotic	Casual	Climber
Holland Plain (Sites IV and V)	*Alocasia macrorrhizos*	Araceae	Exotic	Naturalised	Herb
Holland Plain (Sites IV and V)	*Alsophila latebrosa*	Cyatheaceae	Native	Vulnerable	Tree
Holland Plain (Sites IV and V)	*Alstonia angustifolia*	Apocynaceae	Native	Common	Tree
Holland Plain (Sites IV and V)	*Alstonia angustiloba*	Apocynaceae	Native	Common	Tree
Holland Plain (Sites IV and V)	*Alternanthera sessilis*	Amaranthaceae	Cryptogenic	-	Herb
Holland Plain (Sites IV and V)	*Amphineuron opulentum*	Thelypteridaceae	Native	Endangered	Climber
Holland Plain (Sites IV and V)	*Andira inermis*	Fabaceae	Exotic	Casual	Tree
Holland Plain (Sites IV and V)	*Aphanamixis polystachya*	Meliaceae	Native	Endangered	Tree
Holland Plain (Sites IV and V)	*Ardisia elliptica*	Myrsinaceae	Native	Endangered	Tree
Holland Plain (Sites IV and V)	*Arthrophyllum diversifolium*	Araliaceae	Native	Common	Tree
Holland Plain (Sites IV and V)	*Arundina graminifolia*	Orchidaceae	Native	Common	Herb
Holland Plain (Sites IV and V)	*Asplenium nidus*	Aspleniaceae	Native	Common	Epiphyte
Holland Plain (Sites IV and V)	*Asystasia gangetica* ssp. *micrantha*	Acanthaceae	Exotic	Naturalised	Herb
Holland Plain (Sites IV and V)	*Averrhoa carambola*	Oxalidaceae	Exotic	Casual	Tree
Holland Plain (Sites IV and V)	*Axonopus compressus*	Poaceae	Exotic	Naturalised	Herb
Holland Plain (Sites IV and V)	*Bambusa heterostachya*	Poaceae	Exotic	Casual	Shrub
Holland Plain (Sites IV and V)	*Bambusa vulgaris*	Poaceae	Exotic	Casual	Shrub
Holland Plain (Sites IV and V)	*Bidens alba*	Asteraceae	Exotic	Cultivated Only	Herb
Holland Plain (Sites IV and V)	*Brachiaria mutica*	Poaceae	Exotic	Naturalised	Herb
Holland Plain (Sites IV and V)	*Bridelia stipularis*	Phyllanthaceae	Native	Vulnerable	Shrub

Holland Plain (Sites IV and V)	*Bridelia tomentosa*	Phyllanthaceae	Native	Common	Tree
Holland Plain (Sites IV and V)	*Calophyllum soulattri*	Calophyllaceae	Exotic	Not assessed	Tree
Holland Plain (Sites IV and V)	*Calopogonium mucunoides*	Fabaceae	Exotic	Naturalised	Climber
Holland Plain (Sites IV and V)	*Campnosperma auriculatum*	Anacardiaceae	Native	Common	Tree
Holland Plain (Sites IV and V)	*Carallia suffruticosa*	Rhizophoraceae	Exotic	Cultivated Only	Tree
Holland Plain (Sites IV and V)	*Caryota mitis*	Arecaceae	Native	Common	Tree
Holland Plain (Sites IV and V)	*Casuarina equisetifolia*	Casuarinaceae	Native	Common	Tree
Holland Plain (Sites IV and V)	*Cecropia pachystachya*	Urticaceae	Exotic	Naturalised	Tree
Holland Plain (Sites IV and V)	*Centrosema molle*	Fabaceae	Exotic	Naturalised	Climber
Holland Plain (Sites IV and V)	*Chamaesyce hirta*	Euphorbiaceae	Exotic	Naturalised	Herb
Holland Plain (Sites IV and V)	*Christella dentata*	Thelypteridaceae	Cryptogenic	-	Herb
Holland Plain (Sites IV and V)	*Cinnamomum iners*	Lauraceae	Native	Common	Tree
Holland Plain (Sites IV and V)	*Cissus hastata*	Vitaceae	Cryptogenic	-	Climber
Holland Plain (Sites IV and V)	*Claoxylon indicum*	Euphorbiaceae	Native	Common	Tree
Holland Plain (Sites IV and V)	*Clausena excavata*	Rutaceae	Native	Common	Shrub
Holland Plain (Sites IV and V)	*Cleome rutidosperma*	Cleomaceae	Exotic	Naturalised	Herb
Holland Plain (Sites IV and V)	*Clerodendrum laevifolium*	Lamiaceae	Native	Common	Tree
Holland Plain (Sites IV and V)	*Clidemia hirta*	Melastomataceae	Exotic	Naturalised	Shrub
Holland Plain (Sites IV and V)	*Clitoria ternatea*	Fabaceae	Exotic	Naturalised	Climber
Holland Plain (Sites IV and V)	*Coccinia grandis*	Cucurbitaceae	Exotic	Naturalised	Climber
Holland Plain (Sites IV and V)	*Commelina diffusa*	Commelinaceae	Cryptogenic	-	Herb
Holland Plain (Sites IV and V)	*Commersonia bartramia*	Malvaceae	Native	Common	Tree
Holland Plain (Sites IV and V)	*Cucumis maderaspatanus*	Cucurbitaceae	Exotic	Naturalised	Climber
Holland Plain (Sites IV and V)	*Cyanthillium cinereum*	Asteraceae	Exotic	Not assessed	Herb
Holland Plain (Sites IV and V)	*Cyathula prostrata*	Amaranthaceae	Native	Common	Shrub
Holland Plain (Sites IV and V)	*Cyclosorus interruptus*	Thelypteridaceae	Native	Common	Herb
Holland Plain (Sites IV and V)	*Cyclosorus triphyllus* var. *triphyllus*	Thelypteridaceae	Native	Common	Herb
Holland Plain (Sites IV and V)	*Cyperus difformis*	Cyperaceae	Cryptogenic	-	Herb
Holland Plain (Sites IV and V)	*Cyperus rotundus*	Cyperaceae	Cryptogenic	-	Herb
Holland Plain (Sites IV and V)	*Cyperus sphacelatus*	Cyperaceae	Exotic	Naturalised	Herb
Holland Plain (Sites IV and V)	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree

Holland Plain (Sites IV and V)	*Dactyloctenium aegyptium*	Poaceae	Native	Common	Herb
Holland Plain (Sites IV and V)	*Derris elliptica*	Fabaceae	Cryptogenic	-	Climber
Holland Plain (Sites IV and V)	*Desmodium heterophyllum*	Fabaceae	Cryptogenic	-	Herb
Holland Plain (Sites IV and V)	*Desmodium triflorum*	Fabaceae	Cryptogenic	-	Herb
Holland Plain (Sites IV and V)	*Dicranopteris linearis*	Gleicheniaceae	Native	Common	Climber
Holland Plain (Sites IV and V)	*Dieffenbachia seguine* var. *seguine*	Araceae	Exotic	Casual	Herb
Holland Plain (Sites IV and V)	*Digitaria bicornis*	Poaceae	Native	Common	Herb
Holland Plain (Sites IV and V)	*Dillenia suffruticosa*	Dilleniaceae	Native	Common	Shrub
Holland Plain (Sites IV and V)	*Dimocarpus longan*	Sapindaceae	Exotic	Casual	Tree
Holland Plain (Sites IV and V)	*Dimocarpus longan* ssp. *malesianus*	Sapindaceae	Exotic	Casual	Tree
Holland Plain (Sites IV and V)	*Dracaena fragrans*	Ruscaceae	Exotic	Casual	Shrub
Holland Plain (Sites IV and V)	*Dracaena reflexa*	Ruscaceae	Exotic	Cultivated Only	Shrub
Holland Plain (Sites IV and V)	*Durio zibethinus*	Malvaceae	Exotic	Casual	Tree
Holland Plain (Sites IV and V)	*Eclipta prostrata*	Asteraceae	Exotic	Naturalised	Herb
Holland Plain (Sites IV and V)	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree
Holland Plain (Sites IV and V)	*Elaeocarpus petiolatus*	Elaeocarpaceae	Native	Common	Tree
Holland Plain (Sites IV and V)	*Eleocharis dulcis*	Cyperaceae	Native	Common	Herb
Holland Plain (Sites IV and V)	*Eleusine indica*	Poaceae	Exotic	Naturalised	Herb
Holland Plain (Sites IV and V)	*Eleutheranthera ruderalis*	Asteraceae	Exotic	Naturalised	Herb
Holland Plain (Sites IV and V)	*Embelia ribes*	Myrsinaceae	Native	Common	Climber
Holland Plain (Sites IV and V)	*Emilia praetermissa*	Asteraceae	Exotic	Not assessed	Herb
Holland Plain (Sites IV and V)	*Endospermum* sp.	Euphorbiaceae	Native	Vulnerable	Tree
Holland Plain (Sites IV and V)	*Entada spiralis*	Fabaceae	Native	Common	Climber
Holland Plain (Sites IV and V)	*Epipremnum aureum*	Araceae	Exotic	Casual	Climber
Holland Plain (Sites IV and V)	*Epipremnum pinnatum*	Araceae	Native	Critically Endangered	Climber
Holland Plain (Sites IV and V)	*Eragrostis amabilis*	Poaceae	Cryptogenic	-	Herb
Holland Plain (Sites IV and V)	*Eragrostis montana*	Poaceae	Native	Common	Herb
Holland Plain (Sites IV and V)	*Erycibe tomentosa*	Convolvulaceae	Native	Common	Climber
Holland Plain (Sites IV and V)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree
Holland Plain (Sites IV and V)	*Fibraurea tinctoria*	Menispermaceae	Native	Common	Climber
Holland Plain (Sites IV and V)	*Ficus aurata* var. *aurata*	Moraceae	Native	Vulnerable	Tree

Holland Plain (Sites IV and V)	*Ficus fistulosa*	Moraceae	Native	Common	Tree
Holland Plain (Sites IV and V)	*Ficus grossularioides* var. *grossularioides*	Moraceae	Native	Common	Tree
Holland Plain (Sites IV and V)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler
Holland Plain (Sites IV and V)	*Ficus variegata*	Moraceae	Native	Common	Tree
Holland Plain (Sites IV and V)	*Fimbristylis dichotoma*	Cyperaceae	Cryptogenic	-	Herb
Holland Plain (Sites IV and V)	*Fimbristylis littoralis*	Cyperaceae	Cryptogenic	-	Herb
Holland Plain (Sites IV and V)	*Flagellaria indica*	Flagellariaceae	Native	Common	Climber
Holland Plain (Sites IV and V)	*Guioa pubescens*	Sapindaceae	Native	Vulnerable	Tree
Holland Plain (Sites IV and V)	*Gynochthodes rigida*	Rubiaceae	Native	Presumed Extinct	Climber
Holland Plain (Sites IV and V)	*Gynochthodes sublanceolata*	Rubiaceae	Native	Common	Climber
Holland Plain (Sites IV and V)	*Gynochthodes umbellata*	Rubiaceae	Native	Common	Climber
Holland Plain (Sites IV and V)	*Hedyotis auricularia*	Rubiaceae	Native	Common	Herb
Holland Plain (Sites IV and V)	*Hopea odorata*	Dipterocarpaceae	Exotic	Cultivated Only	Tree
Holland Plain (Sites IV and V)	*Ilex cymosa*	Aquifoliaceae	Native	Common	Tree
Holland Plain (Sites IV and V)	*Imperata cylindrica*	Poaceae	Cryptogenic	-	Herb
Holland Plain (Sites IV and V)	*Indigofera spicata*	Fabaceae	Exotic	Naturalised	Shrub
Holland Plain (Sites IV and V)	*Indorouchera griffithiana*	Linaceae	Native	Common	Climber
Holland Plain (Sites IV and V)	*Ipomoea batatas*	Convolvulaceae	Exotic	Casual	Climber
Holland Plain (Sites IV and V)	*Ipomoea cairica*	Convolvulaceae	Exotic	Naturalised	Climber
Holland Plain (Sites IV and V)	*Isachne globosa*	Poaceae	Cryptogenic	-	Herb
Holland Plain (Sites IV and V)	*Ischaemum ciliare*	Poaceae	Cryptogenic	-	Herb
Holland Plain (Sites IV and V)	*Ischaemum muticum*	Poaceae	Native	Common	Herb
Holland Plain (Sites IV and V)	*Justicia gendarussa*	Acanthaceae	Exotic	Cultivated Only	Shrub
Holland Plain (Sites IV and V)	*Justicia procumbrens*	Acanthaceae	Cryptogenic	-	Herb
Holland Plain (Sites IV and V)	*Khaya nyasica*	Meliaceae	Exotic	Not assessed	Tree
Holland Plain (Sites IV and V)	*Kyllinga brevifolia*	Cyperaceae	Cryptogenic	-	Herb
Holland Plain (Sites IV and V)	*Kyllinga nemoralis*	Cyperaceae	Cryptogenic	-	Herb
Holland Plain (Sites IV and V)	*Kyllinga polyphylla*	Cyperaceae	Exotic	Naturalised	Herb
Holland Plain (Sites IV and V)	*Lantana camara*	Verbenaceae	Exotic	Naturalised	Shrub
Holland Plain (Sites IV and V)	*Laportea interrupta*	Urticaceae	Cryptogenic	-	Herb
Holland Plain (Sites IV and V)	*Leea indica*	Vitaceae	Native	Common	Tree

Holland Plain (Sites IV and V)	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree
Holland Plain (Sites IV and V)	*Lindsaea ensifolia*	Dennstaedtiaceae	Native	Common	Herb
Holland Plain (Sites IV and V)	*Litsea firma*	Lauraceae	Native	Vulnerable	Tree
Holland Plain (Sites IV and V)	*Ludwigia hyssopifolia*	Onagraceae	Cryptogenic	-	Herb
Holland Plain (Sites IV and V)	*Lygodium microphyllum*	Schizaeaceae	Native	Common	Climber
Holland Plain (Sites IV and V)	*Macaranga conifera*	Euphorbiaceae	Native	Common	Tree
Holland Plain (Sites IV and V)	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree
Holland Plain (Sites IV and V)	*Macaranga griffithiana*	Euphorbiaceae	Native	Vulnerable	Tree
Holland Plain (Sites IV and V)	*Macaranga heynei*	Euphorbiaceae	Native	Common	Tree
Holland Plain (Sites IV and V)	*Macaranga hullettii*	Euphorbiaceae	Native	Critically Endangered	Tree
Holland Plain (Sites IV and V)	*Macaranga hypoleuca*	Euphorbiaceae	Native	Common	Tree
Holland Plain (Sites IV and V)	*Mallotus paniculatus*	Euphorbiaceae	Native	Common	Tree
Holland Plain (Sites IV and V)	*Mangifera foetida*	Anacardiaceae	Native	Vulnerable	Tree
Holland Plain (Sites IV and V)	*Mangifera indica*	Anacardiaceae	Exotic	Casual	Tree
Holland Plain (Sites IV and V)	*Manihot carthagenensis* ssp. *glaziovii*	Euphorbiaceae	Exotic	Naturalised	Tree
Holland Plain (Sites IV and V)	*Megathyrsus maximus*	Poaceae	Exotic	Naturalised	Herb
Holland Plain (Sites IV and V)	*Melastoma malabathricum*	Melastomataceae	Native	Common	Shrub
Holland Plain (Sites IV and V)	*Melothria pendula*	Cucurbitaceae	Exotic	Not assessed	Climber
Holland Plain (Sites IV and V)	*Merremia umbellata*	Convolvulaceae	Cryptogenic	-	Climber
Holland Plain (Sites IV and V)	*Mikania micrantha*	Asteraceae	Exotic	Naturalised	Climber
Holland Plain (Sites IV and V)	*Mimosa pudica*	Fabaceae	Exotic	Naturalised	Shrub
Holland Plain (Sites IV and V)	*Monochoria hastata*	Pontederiaceae	Cryptogenic	-	Shrub
Holland Plain (Sites IV and V)	*Morella esculenta*	Myricaceae	Native	Common	Tree
Holland Plain (Sites IV and V)	*Mucuna pruriens*	Fabaceae	Exotic	Not assessed	Climber
Holland Plain (Sites IV and V)	*Murraya paniculata*	Rutaceae	Exotic	Cultivated Only	Shrub
Holland Plain (Sites IV and V)	*Musa cultivar*	Musaceae	Exotic	Not assessed	Herb
Holland Plain (Sites IV and V)	*Neolitsea cassia*	Lauraceae	Native	Vulnerable	Tree
Holland Plain (Sites IV and V)	*Nepenthes* × *trichocarpa*	Nepenthaceae	Native	Not Assessed	Climber
Holland Plain (Sites IV and V)	*Nepenthes ampullaria*	Nepenthaceae	Native	Vulnerable	Climber
Holland Plain (Sites IV and V)	*Nepenthes gracilis*	Nepenthaceae	Native	Common	Climber
Holland Plain (Sites IV and V)	*Nepenthes rafflesiana*	Nepenthaceae	Native	Vulnerable	Climber

Holland Plain (Sites IV and V)	*Nephelium lappaceum*	Sapindaceae	Native	Critically Endangered	Tree
Holland Plain (Sites IV and V)	*Ochna kirkii*	Ochnaceae	Exotic	Cultivated Only	Shrub
Holland Plain (Sites IV and V)	*Oldenlandia diffusa*	Rubiaceae	Cryptogenic	-	Herb
Holland Plain (Sites IV and V)	*Ottochloa nodosa*	Poaceae	Native	Common	Herb
Holland Plain (Sites IV and V)	*Oxalis corniculata*	Oxalidaceae	Exotic	Naturalised	Herb
Holland Plain (Sites IV and V)	*Paederia foetida*	Rubiaceae	Native	Common	Climber
Holland Plain (Sites IV and V)	*Palaquium obovatum*	Sapotaceae	Native	Vulnerable	Tree
Holland Plain (Sites IV and V)	*Pandanus amaryllifolius*	Pandanaceae	Exotic	Casual	Shrub
Holland Plain (Sites IV and V)	*Paspalum conjugatum*	Poaceae	Exotic	Naturalised	Herb
Holland Plain (Sites IV and V)	*Paspalum scrobiculatum*	Poaceae	Cryptogenic	-	Herb
Holland Plain (Sites IV and V)	*Passiflora laurifolia*	Passifloraceae	Exotic	Naturalised	Climber
Holland Plain (Sites IV and V)	*Passiflora* sp.	Passifloraceae	-	-	-
Holland Plain (Sites IV and V)	*Passiflora suberosa*	Passifloraceae	Exotic	Naturalised	Climber
Holland Plain (Sites IV and V)	*Pennisetum purpureum*	Poaceae	Exotic	Naturalised	Herb
Holland Plain (Sites IV and V)	*Pentaspadon motleyi*	Anacardiaceae	Exotic	Cultivated Only	Tree
Holland Plain (Sites IV and V)	*Peperomia pellucida*	Piperaceae	Exotic	Naturalised	Herb
Holland Plain (Sites IV and V)	*Phyllanthus amarus*	Phyllanthaceae	Exotic	Naturalised	Herb
Holland Plain (Sites IV and V)	*Phyllanthus urinaria*	Phyllanthaceae	Exotic	Naturalised	Herb
Holland Plain (Sites IV and V)	*Physalis minima*	Solanaceae	Cryptogenic	-	Herb
Holland Plain (Sites IV and V)	*Piper aduncum*	Piperaceae	Exotic	Naturalised	Tree
Holland Plain (Sites IV and V)	*Piper sarmentosum*	Piperaceae	Native	Common	Climber
Holland Plain (Sites IV and V)	*Pipturus argenteus*	Urticaceae	Exotic	Naturalised	Tree
Holland Plain (Sites IV and V)	*Planchonella obovata*	Sapotaceae	Native	Vulnerable	Tree
Holland Plain (Sites IV and V)	*Plectranthus monostachyus*	Lamiaceae	Exotic	Not assessed	Herb
Holland Plain (Sites IV and V)	*Polygala paniculata*	Polygalaceae	Exotic	Naturalised	Herb
Holland Plain (Sites IV and V)	*Porophyllum ruderale*	Asteraceae	Exotic	Naturalised	Herb
Holland Plain (Sites IV and V)	*Praxelis clematidea*	Asteraceae	Exotic	Naturalised	Herb
Holland Plain (Sites IV and V)	*Prunella vulgaris*	Lamiaceae	Exotic	Cultivated Only	Herb
Holland Plain (Sites IV and V)	*Ptychosperma macarthurii*	Arecaceae	Exotic	Naturalised	Tree
Holland Plain (Sites IV and V)	*Pyrrosia lanceolata*	Polypodiaceae	Native	Common	Epiphyte
Holland Plain (Sites IV and V)	*Pyrrosia piloselloides*	Polypodiaceae	Native	Common	Epiphyte

Holland Plain (Sites IV and V)	*Rhapis excelsa*	Arecaceae	Exotic	Cultivated Only	Shrub
Holland Plain (Sites IV and V)	*Rhodamnia cinerea*	Myrtaceae	Native	Common	Tree
Holland Plain (Sites IV and V)	*Rhynchospora rubra*	Cyperaceae	Cryptogenic	-	Herb
Holland Plain (Sites IV and V)	*Roystonea* cf. *oleracea*	Arecaceae	Exotic	Cultivated Only	Tree
Holland Plain (Sites IV and V)	*Ruellia repens*	Acanthaceae	Cryptogenic	-	Herb
Holland Plain (Sites IV and V)	*Ruellia tweediana*	Acanthaceae	Exotic	Cultivated Only	Shrub
Holland Plain (Sites IV and V)	*Scleria ciliaris*	Cyperaceae	Native	Common	Herb
Holland Plain (Sites IV and V)	*Scurrula ferruginea*	Loranthaceae	Native	Common	Shrub
Holland Plain (Sites IV and V)	*Senna alata*	Fabaceae	Exotic	Naturalised	Tree
Holland Plain (Sites IV and V)	*Smilax setosa*	Smilacaceae	Native	Common	Climber
Holland Plain (Sites IV and V)	*Solanum torvum*	Solanaceae	Exotic	Naturalised	Shrub
Holland Plain (Sites IV and V)	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree
Holland Plain (Sites IV and V)	*Spathoglottis plicata*	Orchidaceae	Native	Common	Herb
Holland Plain (Sites IV and V)	*Sphagneticola trilobata*	Asteraceae	Exotic	Naturalised	Herb
Holland Plain (Sites IV and V)	*Spigelia anthelmia*	Loganiaceae	Exotic	Naturalised	Herb
Holland Plain (Sites IV and V)	*Sporobolus indicus*	Poaceae	Native	Common	Herb
Holland Plain (Sites IV and V)	*Stenochlaena palustris*	Blechnaceae	Native	Common	Climber
Holland Plain (Sites IV and V)	*Sterculia cordata*	Malvaceae	Native	Critically Endangered	Tree
Holland Plain (Sites IV and V)	*Sterculia parviflora*	Malvaceae	Native	Critically Endangered	Tree
Holland Plain (Sites IV and V)	*Strophanthus caudatus*	Apocynaceae	Native	Endangered	Climber
Holland Plain (Sites IV and V)	*Suregada multiflora*	Euphorbiaceae	Native	Critically Endangered	Shrub
Holland Plain (Sites IV and V)	*Synedrella nodiflora*	Asteraceae	Exotic	Naturalised	Herb
Holland Plain (Sites IV and V)	*Syngonium podophyllum*	Araceae	Exotic	Naturalised	Climber
Holland Plain (Sites IV and V)	*Syzygium grande*	Myrtaceae	Native	Common	Tree
Holland Plain (Sites IV and V)	*Syzygium lineatum*	Myrtaceae	Native	Common	Tree
Holland Plain (Sites IV and V)	*Syzygium myrtifolium*	Myrtaceae	Native	Presumed Extinct	Tree
Holland Plain (Sites IV and V)	*Syzygium polyanthum*	Myrtaceae	Native	Vulnerable	Tree
Holland Plain (Sites IV and V)	*Syzygium zeylanicum*	Myrtaceae	Native	Common	Shrub
Holland Plain (Sites IV and V)	*Tabebuia rosea*	Bignoniaceae	Exotic	Casual	Tree
Holland Plain (Sites IV and V)	*Tabernaemontana divaricata*	Apocynaceae	Exotic	Cultivated Only	Shrub
Holland Plain (Sites IV and V)	*Taenitis blechnoides*	Pteridaceae	Native	Common	Climber

Holland Plain (Sites IV and V)	*Terminalia catappa*	Combretaceae	Native	Common	Tree
Holland Plain (Sites IV and V)	*Tetracera indica*	Dilleniaceae	Native	Common	Climber
Holland Plain (Sites IV and V)	*Timonius wallichianus*	Rubiaceae	Native	Common	Tree
Holland Plain (Sites IV and V)	*Trema cannabina*	Cannabaceae	Native	Common	Shrub
Holland Plain (Sites IV and V)	*Tridax procumbens*	Asteraceae	Exotic	Naturalised	Herb
Holland Plain (Sites IV and V)	*Typha angustifolia*	Typhaceae	Exotic	Naturalised	Herb
Holland Plain (Sites IV and V)	*Uncaria cordata*	Rubiaceae	Native	Endangered	Climber
Holland Plain (Sites IV and V)	*Uncaria longiflora* var. *pteropoda*	Rubiaceae	Native	Critically Endangered	Climber
Holland Plain (Sites IV and V)	*Vigna reflexopilosa*	Fabaceae	Exotic	Naturalised	Climber
Holland Plain (Sites IV and V)	*Vitex pinnata*	Lamiaceae	Native	Common	Tree
Holland Plain (Sites IV and V)	*Xanthosoma sagittifolium*	Araceae	Exotic	Not assessed	Herb
Holland Plain (Sites IV and V)	*Zingiber ottensii*	Zingiberaceae	Exotic	Casual	Shrub
Holland Plain (Sites IV and V)	*Zoysia* sp.	Poaceae	-	-	-

Appendix D1

List and Locations of Plants of Conservation Significance at Turf City (Sites I, II and III)

Site	Species	Family	Origin	Status	Habit
Turf City (Sites I and II)	*Actinodaphne macrophylla*	Lauraceae	Native	Presumed Extinct	Tree
Turf City (Sites I and II)	*Agelaea borneensis*	Connaraceae	Native	Vulnerable	Climber
Turf City (Sites I and II)	*Alsophila latebrosa*	Cyatheaceae	Native	Vulnerable	Tree
Turf City (Sites I and II)	*Amphineuron opulentum*	Thelypteridaceae	Native	Endangered	Climber
Turf City (Sites I and II)	*Angiopteris evecta*	Marattiaceae	Native	Vulnerable	Herb
Turf City (Sites I and II)	*Aporosa benthamiana*	Phyllanthaceae	Native	Vulnerable	Tree
Turf City (Sites I and II)	*Aporosa lucida* var. *lucida*	Phyllanthaceae	Native	Critically Endangered	Tree
Turf City (Sites I and II)	*Aporosa nigricans*	Phyllanthaceae	Native	Endangered	Tree
Turf City (Sites I and II)	*Archidendron jiringa*	Fabaceae	Native	Vulnerable	Tree
Turf City (Sites I and II)	*Artabotrys suaveolens*	Annonaceae	Native	Endangered	Climber
Turf City (Sites I and II)	*Aspidopterys concava*	Malpighiaceae	Native	Endangered	Climber
Turf City (Sites I and II)	*Baccaurea pyriformis*	Phyllanthaceae	Native	Presumed Extinct	Tree
Turf City (Sites I and II)	*Bridelia stipularis*	Phyllanthaceae	Native	Vulnerable	Shrub
Turf City (Sites I and II)	*Bulbophyllum vaginatum*	Orchidaceae	Native	Endangered	Epiphyte
Turf City (Sites I and II)	*Calophyllum inophyllum*	Calophyllaceae	Native	Critically Endangered	Tree
Turf City (Sites I and II)	*Calophyllum rubiginosum*	Calophyllaceae	Native	Endangered	Tree
Turf City (Sites I and II)	*Calophyllum tetrapterum*	Calophyllaceae	Native	Vulnerable	Tree
Turf City (Sites I and II)	*Carallia brachiata*	Rhizophoraceae	Native	Endangered	Tree
Turf City (Sites I and II)	cf. *Asplenium nitidum*	Aspleniaceae	Native	Presumed Extinct	Epiphyte
Turf City (Sites I and II)	cf. *Dibridsonia conferta*	Rubiaceae	Native	Endangered	Tree
Turf City (Sites I and II)	*Connarus semidecandrus*	Connaraceae	Native	Critically Endangered	Climber
Turf City (Sites I and II)	*Cyclosorus polycarpus*	Thelypteridaceae	Native	Vulnerable	Herb
Turf City (Sites I and II)	*Dacryodes* cf. *rostrata*	Burseraceae	Native	Vulnerable	Tree
Turf City (Sites I and II)	*Endospermum* sp.	Euphorbiaceae	Native	Vulnerable	Tree
Turf City (Sites I and II)	*Ficus aurata* var. *aurata*	Moraceae	Native	Vulnerable	Tree
Turf City (Sites I and II)	*Ficus glandulifera*	Moraceae	Native	Critically Endangered	Tree
Turf City (Sites I and II)	*Ficus globosa*	Moraceae	Native	Endangered	Shrub
Turf City (Sites I and II)	*Ficus kerkhovenii*	Moraceae	Native	Critically Endangered	Strangler
Turf City (Sites I and II)	*Goniophlebium percussum*	Polypodiaceae	Native	Vulnerable	Epiphyte
Turf City (Sites I and II)	*Guioa pleuropteris*	Sapindaceae	Native	Vulnerable	Shrub

Turf City (Sites I and II)	*Guioa pubescens*	Sapindaceae	Native	Vulnerable	Tree
Turf City (Sites I and II)	*Gymnacranthera farquhariana* var. *farquhariana*	Myristicaceae	Native	Critically Endangered	Tree
Turf City (Sites I and II)	*Horsfieldia polyspherula*	Myristicaceae	Native	Vulnerable	Tree
Turf City (Sites I and II)	*Litsea firma*	Lauraceae	Native	Vulnerable	Tree
Turf City (Sites I and II)	*Lygodium longifolium*	Schizaeaceae	Native	Vulnerable	Climber
Turf City (Sites I and II)	*Macaranga griffithiana*	Euphorbiaceae	Native	Vulnerable	Tree
Turf City (Sites I and II)	*Macaranga hullettii*	Euphorbiaceae	Native	Critically Endangered	Tree
Turf City (Sites I and II)	*Nephrolepis* cf. *acutifolia*	Oleandraceae	Native	Endangered	Epiphyte
Turf City (Sites I and II)	*Oncosperma tigillarium*	Arecaceae	Native	Vulnerable	Shrub
Turf City (Sites I and II)	*Palaquium obovatum*	Sapotaceae	Native	Vulnerable	Tree
Turf City (Sites I and II)	*Pellacalyx axillaris*	Rhizophoraceae	Native	Endangered	Tree
Turf City (Sites I and II)	*Phlegmariurus carinatus*	Lycopodiaceae	Native	Presumed Extinct	Epiphyte
Turf City (Sites I and II)	*Piper pedicellosum*	Piperaceae	Native	Critically Endangered	Climber
Turf City (Sites I and II)	*Planchonella obovata*	Sapotaceae	Native	Vulnerable	Tree
Turf City (Sites I and II)	*Psychotria sarmentosa*	Rubiaceae	Native	Critically Endangered	Climber
Turf City (Sites I and II)	*Pternandra caerulescens*	Melastomataceae	Native	Vulnerable	Tree
Turf City (Sites I and II)	*Sterculia parviflora*	Malvaceae	Native	Critically Endangered	Tree
Turf City (Sites I and II)	*Strophanthus caudatus*	Apocynaceae	Native	Endangered	Climber
Turf City (Sites I and II)	*Symplocos fasciculata*	Symplocaceae	Native	Vulnerable	Tree
Turf City (Sites I and II)	*Syzygium* cf. *fastigiatum*	Myrtaceae	Not assessed	-	Tree
Turf City (Sites I and II)	*Syzygium* cf. *pustulatum*	Myrtaceae	Native	Critically Endangered	Tree
Turf City (Sites I and II)	*Uncaria longiflora* var. *pteropoda*	Rubiaceae	Native	Critically Endangered	Climber
Turf City (Sites I and II)	*Xanthophyllum ellipticum*	Polygalaceae	Native	Critically Endangered	Tree
Turf City (Sites I and II)	*Xanthophyllum eurhynchum*	Polygalaceae	Native	Vulnerable	Shrub
Turf City (Site III)	*Alsophila latebrosa*	Cyatheaceae	Native	Vulnerable	Tree
Turf City (Site III)	*Amphineuron opulentum*	Thelypteridaceae	Native	Endangered	Climber
Turf City (Site III)	*Aporosa benthamiana*	Phyllanthaceae	Native	Vulnerable	Tree
Turf City (Site III)	*Artabotrys suaveolens*	Annonaceae	Native	Endangered	Climber
Turf City (Site III)	*Asplenium nitidum*	Aspleniaceae	Native	Presumed Extinct	Epiphyte
Turf City (Site III)	*Bridelia stipularis*	Phyllanthaceae	Native	Vulnerable	Shrub
Turf City (Site III)	*Calophyllum tetrapterum*	Calophyllaceae	Native	Vulnerable	Tree

Turf City (Site III)	*Cyclosorus polycarpus*	Thelypteridaceae	Native	Vulnerable	Herb
Turf City (Site III)	*Dillenia* sp.	Dilleniaceae	-	-	-
Turf City (Site III)	*Endospermum* sp.	Euphorbiaceae	Native	Vulnerable	Tree
Turf City (Site III)	*Goniophlebium percussum*	Polypodiaceae	Native	Vulnerable	Epiphyte
Turf City (Site III)	*Guioa pleuropteris*	Sapindaceae	Native	Vulnerable	Shrub
Turf City (Site III)	*Horsfieldia polyspherula*	Myristicaceae	Native	Vulnerable	Tree
Turf City (Site III)	*Litsea firma*	Lauraceae	Native	Vulnerable	Tree
Turf City (Site III)	*Macaranga griffithiana*	Euphorbiaceae	Native	Vulnerable	Tree
Turf City (Site III)	*Oncosperma tigillarium*	Arecaceae	Native	Vulnerable	Shrub
Turf City (Site III)	*Piper pedicellosum*	Piperaceae	Native	Critically Endangered	Climber
Turf City (Site III)	*Sterculia macrophylla*	Malvaceae	Native	Critically Endangered	Tree

Appendix D2

List and Locations of Plant of Conservation Significance at Holland Plain (Sites IV and V)

Site	Species	Family	Origin	Status	Habit
Holland Plain (Sites IV and V)	*Alsophila latebrosa*	Cyatheaceae	Native	Vulnerable	Tree
Holland Plain (Sites IV and V)	*Amphineuron opulentum*	Thelypteridaceae	Native	Endangered	Climber
Holland Plain (Sites IV and V)	*Bridelia stipularis*	Phyllanthaceae	Native	Vulnerable	Shrub
Holland Plain (Sites IV and V)	*Endospermum* sp.	Euphorbiaceae	Native	Vulnerable	Tree
Holland Plain (Sites IV and V)	*Ficus aurata* var. *aurata*	Moraceae	Native	Vulnerable	Tree
Holland Plain (Sites IV and V)	*Guioa pubescens*	Sapindaceae	Native	Vulnerable	Tree
Holland Plain (Sites IV and V)	*Gynochthodes rigida*	Rubiaceae	Native	Presumed Extinct	Climber
Holland Plain (Sites IV and V)	*Litsea firma*	Lauraceae	Native	Vulnerable	Tree
Holland Plain (Sites IV and V)	*Macaranga griffithiana*	Euphorbiaceae	Native	Vulnerable	Tree
Holland Plain (Sites IV and V)	*Macaranga hullettii*	Euphorbiaceae	Native	Critically Endangered	Tree
Holland Plain (Sites IV and V)	*Nepenthes* × *trichocarpa*	Nepenthaceae	Native	Not Assessed	Climber
Holland Plain (Sites IV and V)	*Nepenthes ampullaria*	Nepenthaceae	Native	Vulnerable	Climber
Holland Plain (Sites IV and V)	*Nepenthes rafflesiana*	Nepenthaceae	Native	Vulnerable	Climber
Holland Plain (Sites IV and V)	*Sterculia parviflora*	Malvaceae	Native	Critically Endangered	Tree
Holland Plain (Sites IV and V)	*Strophanthus caudatus*	Apocynaceae	Native	Endangered	Climber
Holland Plain (Sites IV and V)	*Uncaria cordata*	Rubiaceae	Native	Endangered	Climber
Holland Plain (Sites IV and V)	*Uncaria longiflora* var. *pteropoda*	Rubiaceae	Native	Critically Endangered	Climber

Appendix E1

List of Large Plant Specimens at Turf City (Sites I, II and III)

Site	Species	Family	Origin	Status	Habit	Girth/ spread (m)	Height (m)	Northing	Easting
Turf City (Sites I and II)	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	3	18	35958.19	24211.14
Turf City (Sites I and II)	*Bambusa vulgaris*	Poaceae	Exotic	Casual	Shrub	3	10	35594.02989	24047.9398
Turf City (Sites I and II)	*Bambusa vulgaris*	Poaceae	Exotic	Casual	Shrub	4	10	35483.78366	24052.501
Turf City (Sites I and II)	*Calophyllum inophyllum*	Calophyllaceae	Native	Critically Endangered	Tree	3.3	12	35605.93	24190.61
Turf City (Sites I and II)	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	3	15	35631.751	24131.009
Turf City (Sites I and II)	*Cocos nucifera*	Arecaceae	Exotic	Naturalised	Tree	4	18	35838.189	24066.669
Turf City (Sites I and II)	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	4.8	22	35933.446	24104.602
Turf City (Sites I and II)	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	5	20	35943.227	24131.985
Turf City (Sites I and II)	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	3	22	35561.32	24117.07
Turf City (Sites I and II)	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	3.1	20	35575.17	24098.99
Turf City (Sites I and II)	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	3.7	20	35582.55	24107.42
Turf City (Sites I and II)	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	4.5	20	35508.056	24058.133
Turf City (Sites I and II)	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	3.2	25	36113.277	23883.382
Turf City (Sites I and II)	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	3.1	20	35988.435	23908.708
Turf City (Sites I and II)	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	3.6	20	35944.128	23875.597
Turf City (Sites I and II)	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	3	25	35941.513	23887.176
Turf City (Sites I and II)	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	3.2	20	36049.27	23855.46
Turf City (Sites I and II)	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	3.7	25	36050.85	23848.34
Turf City (Sites I and II)	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	3.2	20	36059.58	23841.65
Turf City (Sites I and II)	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	3	20	36110.26	23843.32
Turf City (Sites I and II)	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	5.4	25	36103.55	23833.81
Turf City (Sites I and II)	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	3.3	25	36038.28	23858.35
Turf City (Sites I and II)	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	4.4	20	36047.96	23880.02
Turf City (Sites I and II)	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	3.4	20	36040.69	23882.03
Turf City (Sites I and II)	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	3	8	35426.75	24144.69
Turf City (Sites I and II)	*Elaeocarpus angustifolius*	Elaeocarpaceae	Exotic	Cultivated Only	Tree	4.1	18	35756.786	24039.442
Turf City (Sites I and II)	*Erythrophleum suaveolens*	Fabaceae	Exotic	Cultivated Only	Tree	3.2	15	35607.65	24184.04
Turf City (Sites I and II)	*Erythrophleum suaveolens*	Fabaceae	Exotic	Cultivated Only	Tree	4.2	18	35617.636	24153.449
Turf City (Sites I and II)	*Erythrophleum suaveolens*	Fabaceae	Exotic	Cultivated Only	Tree	4.5	20	35403.42	24078

Turf City (Sites I and II)	*Erythrophleum suaveolens*	Fabaceae	Exotic	Cultivated Only	Tree	3.6	18	35964.396	23875.755
Turf City (Sites I and II)	*Erythrophleum suaveolens*	Fabaceae	Exotic	Cultivated Only	Tree	3	16	36003.054	23867.738
Turf City (Sites I and II)	*Erythrophleum suaveolens*	Fabaceae	Exotic	Cultivated Only	Tree	3.2	20	36048.78	23849.75
Turf City (Sites I and II)	*Erythrophleum suaveolens*	Fabaceae	Exotic	Cultivated Only	Tree	3.2	20	36094.4	23822
Turf City (Sites I and II)	*Erythrophleum suaveolens*	Fabaceae	Exotic	Cultivated Only	Tree	4.8	20	36087.47	23827.56
Turf City (Sites I and II)	*Ficus barteri*	Moraceae	Exotic	Cultivated Only	Tree	4	12	35439.54	24063.65
Turf City (Sites I and II)	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	3	20	35810.83	24136.28
Turf City (Sites I and II)	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	3.5	17	35835.03	24132.85
Turf City (Sites I and II)	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	5	20	35709.187	24038.693
Turf City (Sites I and II)	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	3.5	20	35709.168	24184.201
Turf City (Sites I and II)	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	4	18	35875.295	24096.226
Turf City (Sites I and II)	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	3	17	35672.19	24191.63
Turf City (Sites I and II)	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	3	16	35518.25	24172.37
Turf City (Sites I and II)	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	3.5	15	35593.783	24019.052
Turf City (Sites I and II)	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	4	18	35662.41	24097.511
Turf City (Sites I and II)	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	3	18	35665.349	24149.667
Turf City (Sites I and II)	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	4.1	14	35614.811	23977.306
Turf City (Sites I and II)	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	3.7	13	35721.857	23918.172
Turf City (Sites I and II)	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	4	20	36100.004	23889.83
Turf City (Sites I and II)	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	7	16	35837.09	24211.94
Turf City (Sites I and II)	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	3	20	36045.75	24094.16
Turf City (Sites I and II)	*Ficus* cf. *kerkhovenii*	Moraceae	Native	Critically Endangered	Strangler	5	18	35651.906	24123.894
Turf City (Sites I and II)	*Ficus kerkhovenii*	Moraceae	Native	Critically Endangered	Strangler	14	18	35759.885	24188.106
Turf City (Sites I and II)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	4	9	35749.9	24070.47
Turf City (Sites I and II)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	6	16	35754.63	24074.94
Turf City (Sites I and II)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	8	18	35670.191	24003.863
Turf City (Sites I and II)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	6	15	35665.92	24181.86
Turf City (Sites I and II)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	3	18	35516.36	24180.44
Turf City (Sites I and II)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	7	18	35534.16	24174.11
Turf City (Sites I and II)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	8	20	35561.73	24187.34
Turf City (Sites I and II)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	8	18	35586.34	24224.33

Turf City (Sites I and II)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	8	10	35669.045	24073.308
Turf City (Sites I and II)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	8	12	35611.755	24021.203
Turf City (Sites I and II)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	10	19	35616.07	24192.6
Turf City (Sites I and II)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	10	16	35572.52	24121.74
Turf City (Sites I and II)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	4	20	35611.36	24115.34
Turf City (Sites I and II)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	5	20	35609.17	24125.79
Turf City (Sites I and II)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	4.1	20	35578.61	24085.08
Turf City (Sites I and II)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	4	10	35578.11	24081.82
Turf City (Sites I and II)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	3	20	35536.85	24161.31
Turf City (Sites I and II)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	3	15	35550.22	24156.01
Turf City (Sites I and II)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	3	20	35601.79	24127.93
Turf City (Sites I and II)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	10	16	35616.498	24096.999
Turf City (Sites I and II)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	3	14	35466.15	24092.23
Turf City (Sites I and II)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	12	20	35493.13	24119.01
Turf City (Sites I and II)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	4	20	35497.07	24115.57
Turf City (Sites I and II)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	4	20	35445.87	24089.5
Turf City (Sites I and II)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	4	14	36011	24085.01
Turf City (Sites I and II)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	8	20	35887.512	23931.167
Turf City (Sites I and II)	*Ficus religiosa*	Moraceae	Exotic	Naturalised	Strangler	3.8	13	35633.288	23959.289
Turf City (Sites I and II)	*Ficus variegata*	Moraceae	Native	Common	Tree	3	15	35510.79	24116.15
Turf City (Sites I and II)	*Nephelium lappaceum*	Sapindaceae	Native	Critically Endangered	Tree	3	15	35608.46	24209.66
Turf City (Sites I and II)	*Peltophorum pterocarpum*	Fabaceae	Native	Critically Endangered	Tree	3	18	35515.16	24137.56
Turf City (Sites I and II)	*Peltophorum pterocarpum*	Fabaceae	Native	Critically Endangered	Tree	3.1	18	35682.264	23963.044
Turf City (Sites I and II)	*Pterocarpus indicus*	Fabaceae	Exotic	Casual	Tree	4	15	35900.337	23896.946
Turf City (Sites I and II)	*Pterocarpus indicus*	Fabaceae	Exotic	Casual	Tree	4.4	20	35907.421	23894
Turf City (Sites I and II)	*Pterocarpus indicus*	Fabaceae	Exotic	Casual	Tree	4.4	16	35993.52	24116.66
Turf City (Sites I and II)	*Pterocarpus indicus*	Fabaceae	Exotic	Casual	Tree	3	18	35959.37	24220.88
Turf City (Sites I and II)	*Pterocarpus indicus*	Fabaceae	Exotic	Casual	Tree	4.8	25	35866.66	24222.5
Turf City (Sites I and II)	*Pterocarpus indicus*	Fabaceae	Exotic	Casual	Tree	3	25	35877.82	24220.39
Turf City (Sites I and II)	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	3	15	35856.128	24191.867
Turf City (Sites I and II)	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	3	17	35832.458	24182.623

Turf City (Sites I and II)	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	3.3	17	35833.928	24169.417
Turf City (Sites I and II)	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	5	20	35797.693	24154.852
Turf City (Sites I and II)	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	4.8	18	35796.333	24184.257
Turf City (Sites I and II)	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	3.1	16	35794.579	24198.894
Turf City (Sites I and II)	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	3	16	35856.53	24157.58
Turf City (Sites I and II)	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	3	18	35812.4	24150.49
Turf City (Sites I and II)	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	3.8	20	35699.171	24191.227
Turf City (Sites I and II)	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	4.2	20	35716.25	24168.726
Turf City (Sites I and II)	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	7.8	12	35537.46	24228.31
Turf City (Sites I and II)	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	4	14	35550.18	24184.46
Turf City (Sites I and II)	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	4.4	16	35579.6	24195.06
Turf City (Sites I and II)	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	3.7	10	35596.307	24056.734
Turf City (Sites I and II)	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	5.3	20	35574.1	24142.43
Turf City (Sites I and II)	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	4.6	20	35571	24166.23
Turf City (Sites I and II)	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	7.7	20	35773.429	23915.026
Turf City (Sites I and II)	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	4.5	20	35428.12	24142.66
Turf City (Sites I and II)	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	5.3	18	36078.491	23935.007
Turf City (Sites I and II)	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	3.6	13	35870.37	24221.37
Turf City (Sites I and II)	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	3.6	20	35823.94	24216.46
Turf City (Sites I and II)	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	4	16	35830.74	24186.9
Turf City (Sites I and II)	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	4	20	35793.46	24221.47
Turf City (Sites I and II)	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	4.2	20	35790.32	24207.25
Turf City (Sites I and II)	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	3.6	16	35764.34	24121.08
Turf City (Sites I and II)	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	3.2	18	35823.672	24060.641
Turf City (Sites I and II)	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	3	14	35561.64	24233.86
Turf City (Sites I and II)	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	3.8	16	35532.43	24244.32
Turf City (Sites I and II)	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	3	12	35542.12	24184.14
Turf City (Sites I and II)	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	3	16	35631.97	24164.515
Turf City (Sites I and II)	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	3	10	35723.644	23933.052
Turf City (Sites I and II)	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	3	15	35846.969	23932.324
Turf City (Sites I and II)	*Syzygium grande*	Myrtaceae	Native	Common	Tree	3.4	15	35536.33	24119.97

Turf City (Sites I and II)	*Syzygium grande*	Myrtaceae	Native	Common	Tree	4	18	35472.814	24049.966
Turf City (Sites I and II)	*Syzygium grande*	Myrtaceae	Native	Common	Tree	3.5	17	35524.654	24035.362
Turf City (Sites I and II)	*Thyrsostachys siamensis*	Poaceae	Exotic	Casual	Shrub	3	8	35495.73066	24042.1513
Turf City (Sites I and II)	*Thyrsostachys siamensis*	Poaceae	Exotic	Casual	Shrub	3	6	35492.62589	24029.9094
Turf City (Sites I and II)	*Thyrsostachys siamensis*	Poaceae	Exotic	Casual	Shrub	4	6	35436.79327	24070.8631
Turf City (Sites I and II)	*Thyrsostachys siamensis*	Poaceae	Exotic	Casual	Shrub	3	6	35610.7233	23970.5939
Turf City (Site III)	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	3	10	35992.56	23566.47
Turf City (Site III)	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	3	7	36009.538	23636.495
Turf City (Site III)	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	3	7	35803.846	23622.383
Turf City (Site III)	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	3	8	35559.909	23783.155
Turf City (Site III)	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	3	6	35538.777	23805.348
Turf City (Site III)	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	3	6	35539.969	23802.547
Turf City (Site III)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	3.5	30	35970.881	23625.041
Turf City (Site III)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	5	30	35899.635	23631.661
Turf City (Site III)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	3.2	30	35842.756	23656.538
Turf City (Site III)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	3.8	25	35836.937	23660.699
Turf City (Site III)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	3.4	25	35835.248	23661.344
Turf City (Site III)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	3.6	18	35848.206	23596.605
Turf City (Site III)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	3.1	22	35647.14	23731.6
Turf City (Site III)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	3	20	35563.21	23837.96
Turf City (Site III)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	3	20	35724.12	23703.57
Turf City (Site III)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	3	18	35741.88	23695.26
Turf City (Site III)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	4.5	30	35620.618	23742.825
Turf City (Site III)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	5	20	35591.689	23752.811
Turf City (Site III)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	5	30	35555.613	23763.134
Turf City (Site III)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	6	30	35447.015	23841.389
Turf City (Site III)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	3.2	30	35466.279	23860.01
Turf City (Site III)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	3	30	35469.185	23847.457
Turf City (Site III)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	3	30	35473.627	23837.937
Turf City (Site III)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	5	30	35472.088	23817.251
Turf City (Site III)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	3.8	25	35494.98	23883.78

Turf City (Site III)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	4	30	35532.501	23744.073
Turf City (Site III)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	3	30	35526.047	23762.918
Turf City (Site III)	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	4	20	36053.22	23556.8
Turf City (Site III)	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	3	20	36042.39	23551.29
Turf City (Site III)	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	4	16	36032.56	23550.84
Turf City (Site III)	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	4	16	36067.321	23612.356
Turf City (Site III)	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	6	16	36068.193	23629.36
Turf City (Site III)	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	4	16	36061.124	23661.52
Turf City (Site III)	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	3.5	12	35976.58	23552.49
Turf City (Site III)	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	4	18	35990.68	23568.16
Turf City (Site III)	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	5	12	36011.3	23576.06
Turf City (Site III)	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	3.2	15	35717.183	23676.778
Turf City (Site III)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	5	20	36037.56	23566.47
Turf City (Site III)	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	15	20	36047.87	23600.18
Turf City (Site III)	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	4.1	15	35619.94	23783.38
Turf City (Site III)	*Oncosperma tigillarium*	Arecaceae	Native	Vulnerable	Shrub	4	20	35483.383	23809.325
Turf City (Site III)	*Peltophorum pterocarpum*	Fabaceae	Native	Critically Endangered	Tree	3.5	16	35905.982	23612.962
Turf City (Site III)	*Peltophorum pterocarpum*	Fabaceae	Native	Critically Endangered	Tree	3.2	18	35749.94	23673.97
Turf City (Site III)	*Peltophorum pterocarpum*	Fabaceae	Native	Critically Endangered	Tree	5	18	35724.68	23685.53
Turf City (Site III)	*Peltophorum pterocarpum*	Fabaceae	Native	Critically Endangered	Tree	3	18	35706.86	23697.39
Turf City (Site III)	*Peltophorum pterocarpum*	Fabaceae	Native	Critically Endangered	Tree	4.9	20	35663.9	23728.55
Turf City (Site III)	*Peltophorum pterocarpum*	Fabaceae	Native	Critically Endangered	Tree	3.4	15	35717.516	23676.919
Turf City (Site III)	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	5.8	18	35760.297	23668.983
Turf City (Site III)	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	3	16	35802.971	23647.928
Turf City (Site III)	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	3	17	35863.406	23620.003
Turf City (Site III)	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	3.2	20	35577.23	23795.56
Turf City (Site III)	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	4.2	18	35577.63	23812.7
Turf City (Site III)	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	3	14	35515.46	23845.62
Turf City (Site III)	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	3	15	35588.153	23737.022

Appendix E2

List of Large Plant Specimens in Holland Plain (Sites IV and V)

Site	Species	Family	Origin	Status	Habit	Girth/ spread (m)	Height (m)	Northing	Easting
Holland Plain (Sites IV and V)	*Bambusa vulgaris*	Poaceae	Exotic	Casual	Shrub	3	7	34878.7486	22307.13662
Holland Plain (Sites IV and V)	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	3	10	34755.34	22276.37
Holland Plain (Sites IV and V)	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	3	12	35039.634	22251.62
Holland Plain (Sites IV and V)	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	3	9	35041.983	22248.141
Holland Plain (Sites IV and V)	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	3	9	35050.647	22246.614
Holland Plain (Sites IV and V)	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	3	7	35058.022	22246.457
Holland Plain (Sites IV and V)	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	3	9	35064.886	22246.509
Holland Plain (Sites IV and V)	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	3	12	35121.83	22256.39
Holland Plain (Sites IV and V)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	3.5	25	34703	22279.03
Holland Plain (Sites IV and V)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	3.4	25	34655.87	22271.75
Holland Plain (Sites IV and V)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	3.4	25	34600.44	22279.39
Holland Plain (Sites IV and V)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	3	20	35194.14	22289.79
Holland Plain (Sites IV and V)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	3	25	35200.48	22288.71
Holland Plain (Sites IV and V)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	3.3	20	35200.963	22347.987
Holland Plain (Sites IV and V)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	4.2	25	35155.48	22266.52
Holland Plain (Sites IV and V)	*Mangifera foetida*	Anacardiaceae	Native	Vulnerable	Tree	3.1	22	35296.1	22335.08
Holland Plain (Sites IV and V)	*Terminalia catappa*	Combretaceae	Native	Common	Tree	3.4	25	35096.597	22262.096

Appendix F1

List of Other Specimens of Value at Turf City (Sites I, II and III)

Site	Species	Family	Origin	Status	Habit	Girth/ spread (m)	Height (m)	Northing	Easting	Remarks
Turf City (Sites I and II)	*Bambusa vulgaris*	Poaceae	Exotic	Casual	Shrub	0.5	8	35594.02989	24047.93977	Bamboo
Turf City (Sites I and II)	*Ficus kerkhovenii*	Moraceae	Native	Critically Endangered	Strangler	14	18	35759.885	24188.106	Wasp nests
Turf City (Sites I and II)	*Syzygium polyanthum*	Myrtaceae	Native	Vulnerable	Tree	1.3	20	35665.031	24106.226	Bird nest
Turf City (Sites I and II)	Unknown	-	-	-	-	1.1	8	36027.82	23820.59	Bird nest
Turf City (Site III)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	3	30	35526.047	23762.918	Habitat for Tanimbar corellas

Appendix F2

List of Other Specimens of Value in Holland Plain (Sites IV and V)

Site	Species	Family	Origin	Status	Habit	spread (m)	Height (m)	Northing	Easting	Remarks
Holland Plain (Sites IV and V)	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	0.5	12	34534.3045	22464.6046	Weaver Bird nest
Holland Plain (Sites IV and V)	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	0.8	12	34623.8718	22384.4777	Weaver Bird nest
Holland Plain (Sites IV and V)	*Bambusa heterostachya*	Poaceae	Exotic	Casual	Shrub	0.5-1	10	34752.0296	22230.1215	Bamboo
Holland Plain (Sites IV and V)	*Bambusa heterostachya*	Poaceae	Exotic	Casual	Shrub	2	7	35157.0667	22257.6185	Bamboo
Holland Plain (Sites IV and V)	*Bambusa vulgaris*	Poaceae	Exotic	Casual	Shrub	1	10	34879.1888	22307.0253	Bamboo
Holland Plain (Sites IV and V)	*Bambusa vulgaris*	Poaceae	Exotic	Casual	Shrub	1	-	35151.2396	22248.3146	Bamboo
Holland Plain (Sites IV and V)	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	1	10	34922.9772	22373.6887	Bird nest
Holland Plain (Sites IV and V)	Dead tree	-	-	-	-	-	-	34914.6842	22367.7902	Bird nest
Holland Plain (Sites IV and V)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	-	-	34491.1793	22514.6841	Raptor nest
Holland Plain (Sites IV and V)	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	1.3	20	35170.31	22277.68	Raptor nest
Holland Plain (Sites IV and V)	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	1.7	14	35225.62	22303.46	Bird nest
Holland Plain (Sites IV and V)	*Terminalia catappa*	Combretaceae	Native	Common	Tree	1.5	16	35181.29	22279.11	Bird nest

Appendix G1

List of Specimens Assessed by Certified Arborists at Turf City (Sites I, II and III)

Site	Date	Tag ID	Species	Family	Origin	Status	Habit	Northing (DGPS)	Easting (DGPS)	Girth/ spread (m)	Height (m)
Turf City (Sites I, II and III)	2021-09-13	HE0001	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35903.639	24138.878	2.1	16
Turf City (Sites I, II and III)	2021-09-13	HE0002	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35908.068	24146.402	1.4	14
Turf City (Sites I, II and III)	2021-09-13	HE0003	*Planchonella obovata*	Sapotaceae	Native	Vulnerable	Tree	35910.269	24154.897	2	10
Turf City (Sites I, II and III)	2021-09-13	HE0004	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35909.875	24161.838	1	12
Turf City (Sites I, II and III)	2021-09-13	HE0005	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35898.75	24156.408	1.3	14
Turf City (Sites I, II and III)	2021-09-13	HE0006	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35899.701	24162.49	1.5	14
Turf City (Sites I, II and III)	2021-09-13	HE0007	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35888.601	24163.423	1.8	8
Turf City (Sites I, II and III)	2021-09-13	HE0008	*Adenanthera pavonina*	Fabaceae	Exotic	Naturalised	Tree	35887.639	24150.07	1.1	8
Turf City (Sites I, II and III)	2021-09-13	HE0009	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35888.208	24143.771	2	14
Turf City (Sites I, II and III)	2021-09-13	HE0010	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35881.385	24119.117	1.6	16
Turf City (Sites I, II and III)	2021-09-13	HE0011	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35883.641	24122.002	1.2	14
Turf City (Sites I, II and III)	2021-09-13	HE0012	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35898.258	24116.046	1.8	14
Turf City (Sites I, II and III)	2021-09-13	HE0013	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35888.743	24118.585	1.6	14
Turf City (Sites I, II and III)	2021-09-13	HE0014	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35889.75	24130.189	1.7	15
Turf City (Sites I, II and III)	2021-09-13	HE0015	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35899.789	24129.458	1.2	12
Turf City (Sites I, II and III)	2021-09-13	HE0016	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35902.367	24117.428	1.7	14
Turf City (Sites I, II and III)	2021-09-13	HE0017	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35906.972	24117.511	1.5	14
Turf City (Sites I, II and III)	2021-09-13	HE0018	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35912.63	24112.397	1.4	14
Turf City (Sites I, II and III)	2021-09-14	HE0019	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	35933.446	24104.602	4.8	22
Turf City (Sites I, II and III)	2021-09-14	HE0020	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35929.507	24112.126	1.7	16
Turf City (Sites I, II and III)	2021-09-14	HE0021	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	35927.882	24117.277	2.5	14
Turf City (Sites I, II and III)	2021-09-14	HE0022	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35928.816	24120.94	1.7	13
Turf City (Sites I, II and III)	2021-09-14	HE0023	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	35943.227	24131.985	5	20
Turf City (Sites I, II and III)	2021-09-14	HE0024	*Artocarpus heterophyllus*	Moraceae	Exotic	Casual	Tree	35951.585	24132.049	0.4	10
Turf City (Sites I, II and III)	2021-09-14	HE0025	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35970.931	24110.056	1.2	15
Turf City (Sites I, II and III)	2021-09-14	HE0026	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35968.665	24094.348	2	16
Turf City (Sites I, II and III)	2021-09-14	HE0027	*Artocarpus heterophyllus*	Moraceae	Exotic	Casual	Tree	35933.295	24094.899	1	13
Turf City (Sites I, II and III)	2021-09-14	HE0028A	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35859.115	24167.133	1.1	12
Turf City (Sites I, II and III)	2021-09-14	HE0029	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35863.233	24173.747	1	11
Turf City (Sites I, II and III)	2021-09-14	HE0030	*Callistemon viminalis*	Myrtaceae	Exotic	Cultivated Only	Tree	35843.65	24191.536	1	12
Turf City (Sites I, II and III)	2021-09-14	HE0031	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree	35846.401	24191.673	1.2	12
Turf City (Sites I, II and III)	2021-09-14	HE0032	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35856.128	24191.867	3	15
Turf City (Sites I, II and III)	2021-09-14	HE0033	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35857.759	24182.659	1.1	15
Turf City (Sites I, II and III)	2021-09-14	HE0034	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35832.458	24182.623	3	17
Turf City (Sites I, II and III)	2021-09-14	HE0035	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35833.928	24169.417	3.3	17
Turf City (Sites I, II and III)	2021-09-14	HE0036	*Ravenala madagascariensis*	Strelitziaceae	Exotic	Cultivated Only	Tree	35820.17	24156.732	1.1	13
Turf City (Sites I, II and III)	2021-09-14	HE0037	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35797.693	24154.852	5	20
Turf City (Sites I, II and III)	2021-09-14	HE0038	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35796.598	24165.042	1.6	13

Turf City (Sites I, II and III)	2021-09-14	HE0039	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35796.333	24184.257	4.8	18
Turf City (Sites I, II and III)	2021-09-14	HE0040	*Senna siamea*	Fabaceae	Exotic	Cultivated Only	Tree	35783.103	24176.264	1.8	16
Turf City (Sites I, II and III)	2021-09-14	HE0041	*Pterocarpus indicus*	Fabaceae	Exotic	Casual	Tree	35782.92	24164.369	2.1	19
Turf City (Sites I, II and III)	2021-09-14	HE0042	*Ficus kerkhovenii*	Moraceae	Native	Critically Endang	Strangler	35759.885	24188.106	14	18
Turf City (Sites I, II and III)	2021-09-14	HE0043	*Mangifera indica*	Anacardiaceae	Exotic	Casual	Tree	35763.5	24191.603	1.1	10
Turf City (Sites I, II and III)	2021-09-14	HE0044	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35756.032	24208.55	1.3	17
Turf City (Sites I, II and III)	2021-09-14	HE0045	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35763.378	24212.394	2.1	14
Turf City (Sites I, II and III)	2021-09-14	HE0046	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35762.009	24218.703	2.1	16
Turf City (Sites I, II and III)	2021-09-14	HE0047	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35783.694	24224.991	1.6	12
Turf City (Sites I, II and III)	2021-09-14	HE0048	*Syzygium polyanthum*	Myrtaceae	Native	Vulnerable	Tree	35782.09	24204.987	1.2	15
Turf City (Sites I, II and III)	2021-09-14	HE0049	*Syzygium polyanthum*	Myrtaceae	Native	Vulnerable	Tree	35782.745	24203.632	1.3	14
Turf City (Sites I, II and III)	2021-09-14	HE0050	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35794.579	24198.894	3.1	16
Turf City (Sites I, II and III)	2021-09-14	HE0051	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35866.216	24160.883	1.6	14
Turf City (Sites I, II and III)	2021-09-14	HE0052	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35871.136	24177.084	1.6	13
Turf City (Sites I, II and III)	2021-09-14	HE0201	*Araucaria heterophylla*	Araucariaceae	Exotic	Cultivated Only	Tree	35855.91	24105.9	1.2	14
Turf City (Sites I, II and III)	2021-09-14	HE0202	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	35850.85	24120.82	2	20
Turf City (Sites I, II and III)	2021-09-14	HE0203	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	35810.83	24136.28	3	20
Turf City (Sites I, II and III)	2021-09-14	HE0204	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35842.44	24137.85	2	12
Turf City (Sites I, II and III)	2021-09-14	HE0205	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35830.95	24146.97	2.4	15
Turf City (Sites I, II and III)	2021-09-14	HE0206	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35856.53	24157.58	3	16
Turf City (Sites I, II and III)	2021-09-14	HE0207	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35856.53	24150.35	2	7
Turf City (Sites I, II and III)	2021-09-14	HE0208	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35839.19	24134.84	2.6	14
Turf City (Sites I, II and III)	2021-09-14	HE0209	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	35835.03	24132.85	3.5	17
Turf City (Sites I, II and III)	2021-09-14	HE0210	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35812.4	24150.49	3	18
Turf City (Sites I, II and III)	2021-09-14	HE0211	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35786.09	24129.03	2.6	18
Turf City (Sites I, II and III)	2021-09-14	HE0212	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35779.84	24137.2	2.4	9
Turf City (Sites I, II and III)	2021-09-14	HE0213	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35770.32	24121.45	2.4	16
Turf City (Sites I, II and III)	2021-09-14	HE0214	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35764.34	24121.08	3.6	16
Turf City (Sites I, II and III)	2021-09-14	HE0215	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35769.66	24131.22	2.8	16
Turf City (Sites I, II and III)	2021-09-14	HE0216	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35768.06	24137.74	1.2	14
Turf City (Sites I, II and III)	2021-09-14	HE0217	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35774.53	24137.66	1.8	15
Turf City (Sites I, II and III)	2021-09-14	HE0218	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35765.46	24143.4	2.1	14
Turf City (Sites I, II and III)	2021-09-14	HE0219	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35764.92	24151.43	1.3	14
Turf City (Sites I, II and III)	2021-09-14	HE0220	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35755.55	24148.02	1.2	12
Turf City (Sites I, II and III)	2021-09-14	HE0221	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35747.91	24126.21	1.2	12
Turf City (Sites I, II and III)	2021-09-14	HE0222	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35750.36	24126.6	1	10
Turf City (Sites I, II and III)	2021-09-14	HE0223	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35749.5	24120.77	1.2	12
Turf City (Sites I, II and III)	2021-09-14	HE0224	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35747.73	24121.13	1	12
Turf City (Sites I, II and III)	2021-09-14	HE0225	*Macaranga hypoleuca*	Euphorbiaceae	Native	Common	Tree	35746.42	24103.84	1.6	12
Turf City (Sites I, II and III)	2021-09-14	HE0226	*Litsea firma*	Lauraceae	Native	Vulnerable	Tree	35748.4	24099.09	0.8	12

Turf City (Sites I, II and III)	2021-09-14	HE0227	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35749.9	24070.47	4	9
Turf City (Sites I, II and III)	2021-09-14	HE0228	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35754.63	24074.94	6	16
Turf City (Sites I, II and III)	2021-09-14	HE0229	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35750.66	24060.31	2	14
Turf City (Sites I, II and III)	2021-09-14	HE0230	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35743.08	24060.05	1.2	10
Turf City (Sites I, II and III)	2021-09-14	HE0231	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35756.47	24060.64	1.4	12
Turf City (Sites I, II and III)	2021-09-14	HE0232	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35763.91	24063.56	2.4	12
Turf City (Sites I, II and III)	2021-09-14	HE0233	*Dalbergia oliveri*	Fabaceae	Exotic	Cultivated Only	Tree	35775.14	24080.63	1.2	8
Turf City (Sites I, II and III)	2021-09-14	HE0234	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35777.33	24062.59	1.5	7
Turf City (Sites I, II and III)	2021-09-14	HE0235	*Dalbergia oliveri*	Fabaceae	Exotic	Cultivated Only	Tree	35765.75	24087.86	1	6
Turf City (Sites I, II and III)	2021-09-14	HE0236	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35760.49	24096.9	1	10
Turf City (Sites I, II and III)	2021-09-14	HE0237	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35766.02	24088.69	1.4	10
Turf City (Sites I, II and III)	2021-09-14	HE0238	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35762.49	24096.76	2.5	16
Turf City (Sites I, II and III)	2021-09-14	HE0239	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35760.39	24097.72	1	8
Turf City (Sites I, II and III)	2021-09-14	HE0240	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35763.32	24092.61	1.6	12
Turf City (Sites I, II and III)	2021-09-14	HE0241	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35756.37	24100.53	1.4	10
Turf City (Sites I, II and III)	2021-09-14	HE0242	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35763.13	24105.55	1.1	8
Turf City (Sites I, II and III)	2021-09-14	HE0243	*Cocos nucifera*	Arecaceae	Exotic	Naturalised	Tree	35763.89	24115.34	1	10
Turf City (Sites I, II and III)	2021-09-14	HE0244	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35788.68	24121.52	1.1	8
Turf City (Sites I, II and III)	2021-09-14	HE0245	*Mangifera indica*	Anacardiaceae	Exotic	Casual	Tree	35774.35	24103.06	2.8	12
Turf City (Sites I, II and III)	2021-09-15	HE0053	*Dalbergia oliveri*	Fabaceae	Exotic	Cultivated Only	Tree	35804.85	24084.08	1.6	8
Turf City (Sites I, II and III)	2021-09-15	HE0054	*Dalbergia oliveri*	Fabaceae	Exotic	Cultivated Only	Tree	35775.285	24090.408	1	8
Turf City (Sites I, II and III)	2021-09-15	HE0055	*Dalbergia oliveri*	Fabaceae	Exotic	Cultivated Only	Tree	35774.569	24078.81	1.4	8
Turf City (Sites I, II and III)	2021-09-15	HE0056	*Dalbergia oliveri*	Fabaceae	Exotic	Cultivated Only	Tree	35786.963	24079.4	1.5	10
Turf City (Sites I, II and III)	2021-09-15	HE0057	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35835.727	24096.002	1.9	15
Turf City (Sites I, II and III)	2021-09-15	HE0058	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35756.177	24174.787	1.1	10
Turf City (Sites I, II and III)	2021-09-15	HE0059	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35718.053	24041.234	2.8	16
Turf City (Sites I, II and III)	2021-09-15	HE0060	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	35709.187	24038.693	5	20
Turf City (Sites I, II and III)	2021-09-15	HE0061	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	35706.717	24053.709	2.6	12
Turf City (Sites I, II and III)	2021-09-15	HE0062	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35713.272	24058.047	2.4	15
Turf City (Sites I, II and III)	2021-09-15	HE0063	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35719.053	24049.062	1.8	20
Turf City (Sites I, II and III)	2021-09-15	HE0064	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35722.052	24053.823	1.1	20
Turf City (Sites I, II and III)	2021-09-15	HE0065	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35701.414	24064.416	2	16
Turf City (Sites I, II and III)	2021-09-15	HE0066	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35693.605	24060.032	1.1	15
Turf City (Sites I, II and III)	2021-09-15	HE0067	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35694.782	24069.656	2	20
Turf City (Sites I, II and III)	2021-09-15	HE0068	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35706.129	24073.234	2	15
Turf City (Sites I, II and III)	2021-09-15	HE0069	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35698.793	24081.19	2.6	25
Turf City (Sites I, II and III)	2021-09-15	HE0070	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35683.334	24084.365	2.6	20
Turf City (Sites I, II and III)	2021-09-15	HE0071	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35705.751	24082.82	1.8	20
Turf City (Sites I, II and III)	2021-09-15	HE0072	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35691.919	24106.328	1.1	13
Turf City (Sites I, II and III)	2021-09-15	HE0073	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35693.566	24137.413	2.4	25

Turf City (Sites I, II and III)	2021-09-15	HE0074	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35691.544	24147.518	1.1	20
Turf City (Sites I, II and III)	2021-09-15	HE0075	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35696.234	24145.319	1.1	12
Turf City (Sites I, II and III)	2021-09-15	HE0076	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35694.825	24177.979	2.4	12
Turf City (Sites I, II and III)	2021-09-15	HE0077	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35696.517	24156.598	1.4	1
Turf City (Sites I, II and III)	2021-09-15	HE0078	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35692.523	24177.014	1	8
Turf City (Sites I, II and III)	2021-09-15	HE0079	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35699.171	24191.227	3.8	20
Turf City (Sites I, II and III)	2021-09-15	HE0080	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35707.406	24185.535	2	8
Turf City (Sites I, II and III)	2021-09-15	HE0081	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	35709.168	24184.201	3.5	20
Turf City (Sites I, II and III)	2021-09-15	HE0082	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35720.068	24193.719	1.8	13
Turf City (Sites I, II and III)	2021-09-15	HE0083	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree	35719.677	24177.1	2.4	17
Turf City (Sites I, II and III)	2021-09-15	HE0084	*Macaranga hypoleuca*	Euphorbiaceae	Native	Common	Tree	35725.086	24178.05	1	12
Turf City (Sites I, II and III)	2021-09-15	HE0085	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35726.102	24170.186	1.3	15
Turf City (Sites I, II and III)	2021-09-15	HE0086	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35721.267	24167.572	1.4	12
Turf City (Sites I, II and III)	2021-09-15	HE0087	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35716.25	24168.726	4.2	20
Turf City (Sites I, II and III)	2021-09-15	HE0088	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35719.332	24149.301	1.8	13
Turf City (Sites I, II and III)	2021-09-15	HE0089	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree	35727.624	24155.282	2.2	15
Turf City (Sites I, II and III)	2021-09-16	HE0090	*Bridelia tomentosa*	Phyllanthaceae	Native	Common	Tree	35726.05	24092.81	1.1	14
Turf City (Sites I, II and III)	2021-09-16	HE0091	*Artocarpus heterophyllus*	Moraceae	Exotic	Casual	Tree	35723.62	24095.37	1	12
Turf City (Sites I, II and III)	2021-09-16	HE0092	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35724.73	24109.73	2.2	20
Turf City (Sites I, II and III)	2021-09-16	HE0093	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35728.39	24100.43	1	12
Turf City (Sites I, II and III)	2021-09-16	HE0094	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35724.39	24118.73	1.1	13
Turf City (Sites I, II and III)	2021-09-16	HE0095	*Campnosperma auriculatum*	Anacardiaceae	Native	Common	Tree	35722.9	24130.7	1.1	15
Turf City (Sites I, II and III)	2021-09-16	HE0096	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35715.82	24117.62	1.8	19
Turf City (Sites I, II and III)	2021-09-16	HE0097	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35703.51	24129.56	1	15
Turf City (Sites I, II and III)	2021-09-16	HE0098	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35705.48	24131.37	1	14
Turf City (Sites I, II and III)	2021-09-16	HE0099	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35703.21	24127.09	1.1	13
Turf City (Sites I, II and III)	2021-09-16	HE0100	*Syzygium polyanthum*	Myrtaceae	Native	Vulnerable	Tree	35704.46	24132.65	1.1	15
Turf City (Sites I, II and III)	2021-09-16	HE0101	*Mangifera indica*	Anacardiaceae	Exotic	Casual	Tree	35876.217	24080.073	1.3	12
Turf City (Sites I, II and III)	2021-09-16	HE0102	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	35875.295	24096.226	4	18
Turf City (Sites I, II and III)	2021-09-16	HE0103	*Nephelium lappaceum*	Sapindaceae	Native	Critically Endang	Tree	35876.193	24087.994	1.6	10
Turf City (Sites I, II and III)	2021-09-16	HE0104	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35869.992	24085.228	1	6
Turf City (Sites I, II and III)	2021-09-16	HE0105	*Syzygium polyanthum*	Myrtaceae	Native	Vulnerable	Tree	35850.065	24087.21	1.5	16
Turf City (Sites I, II and III)	2021-09-16	HE0106	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35847.597	24077.522	1	12
Turf City (Sites I, II and III)	2021-09-16	HE0107	*Dalbergia oliveri*	Fabaceae	Exotic	Cultivated Only	Tree	35841.873	24074.064	1.8	10
Turf City (Sites I, II and III)	2021-09-16	HE0108	*Dalbergia oliveri*	Fabaceae	Exotic	Cultivated Only	Tree	35835.893	24073.388	1.5	8
Turf City (Sites I, II and III)	2021-09-16	HE0109	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35838.039	24065.02	1	18
Turf City (Sites I, II and III)	2021-09-16	HE0110	*Cocos nucifera*	Arecaceae	Exotic	Naturalised	Tree	35838.189	24066.669	4	18
Turf City (Sites I, II and III)	2021-09-16	HE0111	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35833.481	24066.579	2.5	18
Turf City (Sites I, II and III)	2021-09-16	HE0112	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35828.266	24062.784	1.3	10
Turf City (Sites I, II and III)	2021-09-16	HE0113	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35826.425	24061.333	1.8	18

Turf City (Sites I, II and III)	2021-09-16	HE0114	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35823.672	24060.641	3.2	18
Turf City (Sites I, II and III)	2021-09-16	HE0115	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35816.022	24060.194	1.5	10
Turf City (Sites I, II and III)	2021-09-16	HE0116	*Claoxylon indicum*	Euphorbiaceae	Native	Common	Tree	35805.956	24061.349	1.1	10
Turf City (Sites I, II and III)	2021-09-16	HE0117	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35810.316	24053.252	1.6	10
Turf City (Sites I, II and III)	2021-09-16	HE0118	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	35801.98	24057.767	2	16
Turf City (Sites I, II and III)	2021-09-16	HE0119	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35791.712	24055.193	1.3	10
Turf City (Sites I, II and III)	2021-09-16	HE0120	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35781.692	24053.114	2.5	16
Turf City (Sites I, II and III)	2021-09-16	HE0121	*Nephelium lappaceum*	Sapindaceae	Native	Critically Endang	Tree	35784.378	24046.944	1.8	16
Turf City (Sites I, II and III)	2021-09-16	HE0122	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35776.016	24052.52	1.7	18
Turf City (Sites I, II and III)	2021-09-16	HE0123	*Artocarpus heterophyllus*	Moraceae	Exotic	Casual	Tree	35773.293	24048.349	2.2	8
Turf City (Sites I, II and III)	2021-09-16	HE0124	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	35772.989	24050.853	2	14
Turf City (Sites I, II and III)	2021-09-16	HE0125	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35770.729	24057.069	2.2	3
Turf City (Sites I, II and III)	2021-09-16	HE0126	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35771.643	24065.221	1.7	12
Turf City (Sites I, II and III)	2021-09-16	HE0127	*Cocos nucifera*	Arecaceae	Exotic	Naturalised	Tree	35747.638	24043.085	1	18
Turf City (Sites I, II and III)	2021-09-16	HE0128	*Elaeocarpus angustifolius*	Elaeocarpaceae	Exotic	Cultivated Only	Tree	35756.786	24039.442	4.1	18
Turf City (Sites I, II and III)	2021-09-16	HE0129	*Cocos nucifera*	Arecaceae	Exotic	Naturalised	Tree	35755.017	24042.907	1	18
Turf City (Sites I, II and III)	2021-09-16	HE0130	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35760.119	24042.779	1.1	10
Turf City (Sites I, II and III)	2021-09-16	HE0131	*Cocos nucifera*	Arecaceae	Exotic	Naturalised	Tree	35761.799	24030.938	1.1	18
Turf City (Sites I, II and III)	2021-09-16	HE0132	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35759.683	24028.571	1.8	16
Turf City (Sites I, II and III)	2021-09-16	HE0133	*Aegle marmelos*	Rutaceae	Exotic	Cultivated Only	Tree	35759.385	24027.092	1	8
Turf City (Sites I, II and III)	2021-09-16	HE0134	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree	35761.389	24004.968	1.2	8
Turf City (Sites I, II and III)	2021-09-16	HE0135	*Artocarpus heterophyllus*	Moraceae	Exotic	Casual	Tree	35767.307	24002.244	1.4	7
Turf City (Sites I, II and III)	2021-09-16	HE0136	*Mangifera indica*	Anacardiaceae	Exotic	Casual	Tree	35768.378	24000.562	1.1	8
Turf City (Sites I, II and III)	2021-09-16	HE0137	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35770.548	23993.589	1.6	14
Turf City (Sites I, II and III)	2021-09-16	HE0138	*Syzygium lineatum*	Myrtaceae	Native	Common	Tree	35764.603	23988.299	1.3	10
Turf City (Sites I, II and III)	2021-09-16	HE0139	*Claoxylon indicum*	Euphorbiaceae	Native	Common	Tree	35768.677	23981.646	1	10
Turf City (Sites I, II and III)	2021-09-16	HE0140	*Moringa oleifera*	Rubiaceae	Exotic	Cultivated Only	Tree	35764.106	23979.207	1.1	10
Turf City (Sites I, II and III)	2021-09-16	HE0141	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35736.536	23990.608	1.1	10
Turf City (Sites I, II and III)	2021-09-16	HE0142	*Bridelia tomentosa*	Phyllanthaceae	Native	Common	Tree	35720.166	23987.138	1.2	10
Turf City (Sites I, II and III)	2021-09-16	HE0143	*Bridelia tomentosa*	Phyllanthaceae	Native	Common	Tree	35724.049	23984.104	1.5	10
Turf City (Sites I, II and III)	2021-09-16	HE0144	*Bridelia tomentosa*	Phyllanthaceae	Native	Common	Tree	35746.775	23984.311	1.2	10
Turf City (Sites I, II and III)	2021-09-16	HE0145	*Moringa oleifera*	Rubiaceae	Exotic	Cultivated Only	Tree	35748.27	23983.505	1.4	10
Turf City (Sites I, II and III)	2021-09-16	HE0146	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35698.096	23993.913	1.4	8
Turf City (Sites I, II and III)	2021-09-16	HE0147	*Artocarpus heterophyllus*	Moraceae	Exotic	Casual	Tree	35680.741	23995.001	1.2	10
Turf City (Sites I, II and III)	2021-09-16	HE0148	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35670.191	24003.863	8	18
Turf City (Sites I, II and III)	2021-09-16	HE0149	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35669.478	24030.256	1.9	20
Turf City (Sites I, II and III)	2021-09-16	HE0150	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35672.836	24029.56	1.4	20
Turf City (Sites I, II and III)	2021-09-16	HE0151	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35664.67	24037.53	2.6	12
Turf City (Sites I, II and III)	2021-09-16	HE0152	*Bridelia tomentosa*	Phyllanthaceae	Native	Common	Tree	35674.15	24042.886	1	8
Turf City (Sites I, II and III)	2021-09-16	HE0153	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35730.627	24026.508	1	8

Turf City (Sites I, II and III)	2021-09-16	HE0154	*Mangifera indica*	Anacardiaceae	Exotic	Casual	Tree	35730.823	24025.122	1.4	8
Turf City (Sites I, II and III)	2021-09-16	HE0155	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35736.372	24032.678	1.7	16
Turf City (Sites I, II and III)	2021-09-16	HE0156	*Artocarpus heterophyllus*	Moraceae	Exotic	Casual	Tree	35736.441	24029.751	1	8
Turf City (Sites I, II and III)	2021-09-16	HE0157	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35737.966	24038.543	1.8	9
Turf City (Sites I, II and III)	2021-09-16	HE0158	*Bridelia tomentosa*	Phyllanthaceae	Native	Common	Tree	35737.109	24041.357	1	9
Turf City (Sites I, II and III)	2021-09-16	HE0246	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree	35708.46	24136.23	1	13
Turf City (Sites I, II and III)	2021-09-16	HE0247	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree	35714.8	24132.72	1.1	16
Turf City (Sites I, II and III)	2021-09-16	HE0248	*Litsea firma*	Lauraceae	Native	Vulnerable	Tree	35725.3	24142.85	0.3	10
Turf City (Sites I, II and III)	2021-09-16	HE0249	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	35672.19	24191.63	3	17
Turf City (Sites I, II and III)	2021-09-16	HE0250	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35665.92	24181.86	6	15
Turf City (Sites I, II and III)	2021-09-16	HE0251	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35634.62	24205.01	1.2	10
Turf City (Sites I, II and III)	2021-09-16	HE0252	*Cecropia pachystachya*	Urticaceae	Exotic	Naturalised	Tree	35631.68	24207.95	2	12
Turf City (Sites I, II and III)	2021-09-16	HE0253	*Cecropia pachystachya*	Urticaceae	Exotic	Naturalised	Tree	35630.93	24203.54	1.1	12
Turf City (Sites I, II and III)	2021-09-16	HE0254	*Ficus variegata*	Moraceae	Native	Common	Tree	35628.67	24208.54	1	13
Turf City (Sites I, II and III)	2021-09-16	HE0255	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35632.6	24205.49	1.6	12
Turf City (Sites I, II and III)	2021-09-16	HE0256	*Nephelium lappaceum*	Sapindaceae	Native	Critically Endang	Tree	35608.46	24209.66	3	15
Turf City (Sites I, II and III)	2021-09-16	HE0257	*Mangifera indica*	Anacardiaceae	Exotic	Casual	Tree	35600.02	24204.18	2	13
Turf City (Sites I, II and III)	2021-09-16	HE0258	*Ficus variegata*	Moraceae	Native	Common	Tree	35608.71	24225.67	1.1	16
Turf City (Sites I, II and III)	2021-09-16	HE0259	*Mangifera indica*	Anacardiaceae	Exotic	Casual	Tree	35597.15	24218.97	2	12
Turf City (Sites I, II and III)	2021-09-16	HE0260	*Artocarpus integer*	Moraceae	Exotic	Casual	Tree	35606.31	24243.68	1.2	14
Turf City (Sites I, II and III)	2021-09-16	HE0261	*Mangifera indica*	Anacardiaceae	Exotic	Casual	Tree	35607.92	24238.21	1.1	12
Turf City (Sites I, II and III)	2021-09-16	HE0262	*Nephelium lappaceum*	Sapindaceae	Native	Critically Endang	Tree	35599.58	24231.82	2	14
Turf City (Sites I, II and III)	2021-09-16	HE0263	*Nephelium lappaceum*	Sapindaceae	Native	Critically Endang	Tree	35588.72	24238.28	1.5	15
Turf City (Sites I, II and III)	2021-09-16	HE0264	*Baphia nitida*	Fabaceae	Exotic	Casual	Shrub	35581.5	24244.99	2.4	8
Turf City (Sites I, II and III)	2021-09-16	HE0265	*Mangifera indica*	Anacardiaceae	Exotic	Casual	Tree	35584.15	24233.53	1.6	13
Turf City (Sites I, II and III)	2021-09-20	HE0266	*Mangifera indica*	Anacardiaceae	Exotic	Casual	Tree	35583.85	24231.61	2.5	14
Turf City (Sites I, II and III)	2021-09-20	HE0267	*Campnosperma auriculatum*	Anacardiaceae	Native	Common	Tree	35565.56	24225.09	1.8	18
Turf City (Sites I, II and III)	2021-09-20	HE0268	*Mangifera indica*	Anacardiaceae	Exotic	Casual	Tree	35565.56	24237.11	2	12
Turf City (Sites I, II and III)	2021-09-20	HE0269	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35561.64	24233.86	3	14
Turf City (Sites I, II and III)	2021-09-20	HE0270	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35537.46	24228.31	7.8	12
Turf City (Sites I, II and III)	2021-09-20	HE0271	*Nephelium lappaceum*	Sapindaceae	Native	Critically Endang	Tree	35520.99	24239.38	2	12
Turf City (Sites I, II and III)	2021-09-20	HE0272	*Nephelium lappaceum*	Sapindaceae	Native	Critically Endang	Tree	35514.42	24251.56	1	16
Turf City (Sites I, II and III)	2021-09-20	HE0273	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35511.5	24260.9	1	12
Turf City (Sites I, II and III)	2021-09-20	HE0274	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35511.72	24262.12	1.2	10
Turf City (Sites I, II and III)	2021-09-20	HE0275	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35510.7	24260.78	1	10
Turf City (Sites I, II and III)	2021-09-20	HE0276	*Syzygium polyanthum*	Myrtaceae	Native	Vulnerable	Tree	35510.5	24259.75	1.1	12
Turf City (Sites I, II and III)	2021-09-20	HE0277	*Durio zibethinus*	Malvaceae	Exotic	Casual	Tree	35524.45	24248.04	1.6	18
Turf City (Sites I, II and III)	2021-09-20	HE0278	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35529.34	24249.41	1.5	12
Turf City (Sites I, II and III)	2021-09-20	HE0279	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35532.43	24244.32	3.8	16
Turf City (Sites I, II and III)	2021-09-20	HE0280	*Ficus variegata*	Moraceae	Native	Common	Tree	35537.71	24252	2.5	18

Turf City (Sites I, II and III)	2021-09-20	HE0281	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35546.18	24245.88	1.8	16
Turf City (Sites I, II and III)	2021-09-20	HE0282	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35556.36	24248.62	1.8	16
Turf City (Sites I, II and III)	2021-09-20	HE0283	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35510.2	24220.98	2.6	16
Turf City (Sites I, II and III)	2021-09-20	HE0284	*Khaya grandifoliola*	Meliaceae	Exotic	Cultivated Only	Tree	35499.88	24230.54	1	18
Turf City (Sites I, II and III)	2021-09-20	HE0285	*Khaya grandifoliola*	Meliaceae	Exotic	Cultivated Only	Tree	35497.74	24227.83	1.5	18
Turf City (Sites I, II and III)	2021-09-20	HE0286	*Khaya grandifoliola*	Meliaceae	Exotic	Cultivated Only	Tree	35497.45	24228.52	1.8	18
Turf City (Sites I, II and III)	2021-09-20	HE0287	*Nephelium lappaceum*	Sapindaceae	Native	Critically Endang	Tree	35500.78	24218.44	1.4	12
Turf City (Sites I, II and III)	2021-09-20	HE0288	*Durio zibethinus*	Malvaceae	Exotic	Casual	Tree	35497.08	24208.47	2.2	18
Turf City (Sites I, II and III)	2021-09-20	HE0289	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35501.26	24209.24	2.8	16
Turf City (Sites I, II and III)	2021-09-20	HE0290	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35500.08	24207.26	1.4	10
Turf City (Sites I, II and III)	2021-09-20	HE0291	*Mangifera indica*	Anacardiaceae	Exotic	Casual	Tree	35502.91	24198.11	2.2	14
Turf City (Sites I, II and III)	2021-09-20	HE0292	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35515.68	24188.16	2.4	18
Turf City (Sites I, II and III)	2021-09-20	HE0293	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35514.89	24178.54	1	14
Turf City (Sites I, II and III)	2021-09-20	HE0294	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35516.36	24180.44	3	18
Turf City (Sites I, II and III)	2021-09-20	HE0295	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	35518.25	24172.37	3	16
Turf City (Sites I, II and III)	2021-09-20	HE0296	*Nephelium lappaceum*	Sapindaceae	Native	Critically Endang	Tree	35526.83	24154.48	1.6	10
Turf City (Sites I, II and III)	2021-09-20	HE0297	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35531.27	24164.37	1.2	16
Turf City (Sites I, II and III)	2021-09-20	HE0298	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35534.16	24174.11	7	18
Turf City (Sites I, II and III)	2021-09-20	HE0299	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35542.12	24184.14	3	12
Turf City (Sites I, II and III)	2021-09-20	HE0300	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35550.18	24184.46	4	14
Turf City (Sites I, II and III)	2021-09-20	HE0401	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35561.73	24187.34	8	20
Turf City (Sites I, II and III)	2021-09-20	HE0402	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35571.4	24211.52	2	16
Turf City (Sites I, II and III)	2021-09-20	HE0403	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35566.81	24213.92	1	12
Turf City (Sites I, II and III)	2021-09-20	HE0404	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35572.33	24211.56	2.1	16
Turf City (Sites I, II and III)	2021-09-20	HE0405	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35586.34	24224.33	8	18
Turf City (Sites I, II and III)	2021-09-20	HE0406	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35579.6	24195.06	4.4	16
Turf City (Sites I, II and III)	2021-09-21	HE0301	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35669.045	24073.308	8	10
Turf City (Sites I, II and III)	2021-09-21	HE0302	*Terminalia catappa*	Combretaceae	Native	Common	Tree	35624.928	24057.296	1.6	14
Turf City (Sites I, II and III)	2021-09-21	HE0303	*Erythrophleum suaveolens*	Fabaceae	Exotic	Cultivated Only	Tree	35616.07	24052.403	1.7	8
Turf City (Sites I, II and III)	2021-09-21	HE0304	*Bridelia tomentosa*	Phyllanthaceae	Native	Common	Tree	35618.678	24046.495	1	8
Turf City (Sites I, II and III)	2021-09-21	HE0305	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35625.71	24042.877	1.7	10
Turf City (Sites I, II and III)	2021-09-21	HE0306	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35611.755	24021.203	8	12
Turf City (Sites I, II and III)	2021-09-21	HE0307	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	35593.783	24019.052	3.5	15
Turf City (Sites I, II and III)	2021-09-21	HE0308	*Claoxylon indicum*	Euphorbiaceae	Native	Common	Tree	35605.738	24035.928	1	8
Turf City (Sites I, II and III)	2021-09-21	HE0309	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35596.307	24056.734	3.7	10
Turf City (Sites I, II and III)	2021-09-21	HE0310	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35650.992	24090.571	1.8	10
Turf City (Sites I, II and III)	2021-09-21	HE0311	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	35662.41	24097.511	4	18
Turf City (Sites I, II and III)	2021-09-21	HE0407	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35596.21	24207.56	1.3	15
Turf City (Sites I, II and III)	2021-09-21	HE0408	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35596.18	24200.26	2.8	20
Turf City (Sites I, II and III)	2021-09-21	HE0409	*Syzygium polyanthum*	Myrtaceae	Native	Vulnerable	Tree	35600.91	24194.17	1.6	18

Turf City (Sites I, II and III)	2021-09-21	HE0410	*Calophyllum inophyllum*	Calophyllaceae	Native	Critically Endang	Tree	35605.93	24190.61	3.3	12
Turf City (Sites I, II and III)	2021-09-21	HE0411	*Erythrophleum suaveolens*	Fabaceae	Exotic	Cultivated Only	Tree	35607.65	24184.04	3.2	15
Turf City (Sites I, II and III)	2021-09-21	HE0412	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35616.07	24192.6	10	19
Turf City (Sites I, II and III)	2021-09-21	HE0413	*Ficus variegata*	Moraceae	Native	Common	Tree	35602.36	24179.39	2.2	20
Turf City (Sites I, II and III)	2021-09-21	HE0414	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35607.61	24162.45	1.8	15
Turf City (Sites I, II and III)	2021-09-21	HE0415	*Aphanamixis polystachya*	Meliaceae	Native	Endangered	Tree	35597.29	24176.25	2	20
Turf City (Sites I, II and III)	2021-09-21	HE0416	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35589.45	24179.89	2	15
Turf City (Sites I, II and III)	2021-09-21	HE0417	*Ficus variegata*	Moraceae	Native	Common	Tree	35645.16	24188.17	1.8	18
Turf City (Sites I, II and III)	2021-09-22	HE0159	*Bridelia tomentosa*	Phyllanthaceae	Native	Common	Tree	35522.89	24114.45	1.9	8
Turf City (Sites I, II and III)	2021-09-22	HE0160	*Ficus religiosa*	Moraceae	Exotic	Naturalised	Strangler	35531.75	24118.82	2	10
Turf City (Sites I, II and III)	2021-09-22	HE0161	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	35561.32	24117.07	3	22
Turf City (Sites I, II and III)	2021-09-22	HE0162	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35572.52	24121.74	10	16
Turf City (Sites I, II and III)	2021-09-22	HE0163	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	35575.17	24098.99	3.1	20
Turf City (Sites I, II and III)	2021-09-22	HE0164	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	35573.16	24109.51	2.4	20
Turf City (Sites I, II and III)	2021-09-22	HE0165	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35611.36	24115.34	4	20
Turf City (Sites I, II and III)	2021-09-22	HE0166	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35609.17	24125.79	5	20
Turf City (Sites I, II and III)	2021-09-22	HE0167	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	35582.55	24107.42	3.7	20
Turf City (Sites I, II and III)	2021-09-22	HE0168	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	35583.32	24101.22	2.2	18
Turf City (Sites I, II and III)	2021-09-22	HE0169	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35588.4	24090.45	1.8	10
Turf City (Sites I, II and III)	2021-09-22	HE0170	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35578.61	24085.08	4.1	20
Turf City (Sites I, II and III)	2021-09-22	HE0171	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35578.11	24081.82	4	10
Turf City (Sites I, II and III)	2021-09-22	HE0172	*Bridelia tomentosa*	Phyllanthaceae	Native	Common	Tree	35566.74	24089.3	1	8
Turf City (Sites I, II and III)	2021-09-22	HE0173	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35563.83	24077.05	1.3	16
Turf City (Sites I, II and III)	2021-09-22	HE0174	*Durio zibethinus*	Malvaceae	Exotic	Casual	Tree	35564.03	24078.75	1	16
Turf City (Sites I, II and III)	2021-09-22	HE0175	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35558.29	24078.89	1.4	16
Turf City (Sites I, II and III)	2021-09-22	HE0176	*Bridelia tomentosa*	Phyllanthaceae	Native	Common	Tree	35556.8	24078.98	2.2	8
Turf City (Sites I, II and III)	2021-09-22	HE0177	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35547.97	24078.23	1.1	10
Turf City (Sites I, II and III)	2021-09-22	HE0178	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35554.74	24075.91	1.3	12
Turf City (Sites I, II and III)	2021-09-22	HE0179	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	35540	24095	2.7	13
Turf City (Sites I, II and III)	2021-09-22	HE0180	*Bridelia tomentosa*	Phyllanthaceae	Native	Common	Tree	35540.73	24091.31	1	12
Turf City (Sites I, II and III)	2021-09-22	HE0181	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35536.87	24089.3	2.2	14
Turf City (Sites I, II and III)	2021-09-22	HE0182	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35536.33	24119.97	3.4	15
Turf City (Sites I, II and III)	2021-09-22	HE0183	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35536.85	24161.31	3	20
Turf City (Sites I, II and III)	2021-09-22	HE0184	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35553.15	24155.15	1	10
Turf City (Sites I, II and III)	2021-09-22	HE0185	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35550.22	24156.01	3	15
Turf City (Sites I, II and III)	2021-09-22	HE0186	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35540.32	24143.31	1.4	10
Turf City (Sites I, II and III)	2021-09-22	HE0187	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35549.73	24133.55	1	8
Turf City (Sites I, II and III)	2021-09-22	HE0188	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35545.28	24131.36	1.1	10
Turf City (Sites I, II and III)	2021-09-22	HE0189	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35551.54	24128.55	1.6	16
Turf City (Sites I, II and III)	2021-09-22	HE0190	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35550.05	24129.28	1.6	8

Turf City (Sites I, II and III)	2021-09-22	HE0191	*Mangifera indica*	Anacardiaceae	Exotic	Casual	Tree	35575.6	24120.14	2.4	20
Turf City (Sites I, II and III)	2021-09-22	HE0192	*Mangifera indica*	Anacardiaceae	Exotic	Casual	Tree	35574.97	24132.36	1.5	20
Turf City (Sites I, II and III)	2021-09-22	HE0193	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35585.69	24124.6	2.7	20
Turf City (Sites I, II and III)	2021-09-22	HE0194	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35601.79	24127.93	3	20
Turf City (Sites I, II and III)	2021-09-22	HE0195	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35574.1	24142.43	5.3	20
Turf City (Sites I, II and III)	2021-09-22	HE0196	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35571	24166.23	4.6	20
Turf City (Sites I, II and III)	2021-09-22	HE0197	*Aphanamixis polystachya*	Meliaceae	Native	Endangered	Tree	35595.7	24176.94	1	7
Turf City (Sites I, II and III)	2021-09-22	HE0198	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35601.78	24157.01	1.4	18
Turf City (Sites I, II and III)	2021-09-22	HE0199	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35588.33	24160.97	1.4	18
Turf City (Sites I, II and III)	2021-09-22	HE0200	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35609.46	24157.78	1.7	18
Turf City (Sites I, II and III)	2021-09-22	HE0312	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35655.287	24081.766	1.6	15
Turf City (Sites I, II and III)	2021-09-22	HE0313	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35644.302	24077.489	1	10
Turf City (Sites I, II and III)	2021-09-22	HE0314	*Aphanamixis polystachya*	Meliaceae	Native	Endangered	Tree	35647.07	24070.866	1	6
Turf City (Sites I, II and III)	2021-09-22	HE0316	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35655.579	24072.233	1.1	13
Turf City (Sites I, II and III)	2021-09-22	HE0317	*Syzygium polyanthum*	Myrtaceae	Native	Vulnerable	Tree	35665.031	24106.226	1.3	20
Turf City (Sites I, II and III)	2021-09-22	HE0318	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35663.997	24105.529	1.7	12
Turf City (Sites I, II and III)	2021-09-22	HE0319	*Aphanamixis polystachya*	Meliaceae	Native	Endangered	Tree	35666.84	24106.278	1.1	10
Turf City (Sites I, II and III)	2021-09-22	HE0320	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35667.06	24119.729	1.1	14
Turf City (Sites I, II and III)	2021-09-22	HE0321	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35663.881	24127.62	1.3	15
Turf City (Sites I, II and III)	2021-09-22	HE0322	*Ficus* cf. *kerkhovenii*	#N/A	#N/A	#N/A	#N/A	35651.906	24123.894	5	18
Turf City (Sites I, II and III)	2021-09-22	HE0323	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35671.074	24127.196	1	15
Turf City (Sites I, II and III)	2021-09-22	HE0324	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35668.322	24131.544	1.8	12
Turf City (Sites I, II and III)	2021-09-22	HE0325	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35671.447	24130.59	1.2	18
Turf City (Sites I, II and III)	2021-09-22	HE0326	*Nephelium lappaceum*	Sapindaceae	Native	Critically Endang	Tree	35668.364	24142.308	1.1	18
Turf City (Sites I, II and III)	2021-09-22	HE0327	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	35665.349	24149.667	3	18
Turf City (Sites I, II and III)	2021-09-22	HE0328	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35650.882	24139.164	1	12
Turf City (Sites I, II and III)	2021-09-22	HE0329	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35631.751	24131.009	3	15
Turf City (Sites I, II and III)	2021-09-22	HE0418	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35597.36	24152.11	2.6	18
Turf City (Sites I, II and III)	2021-09-22	HE0419	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35590.16	24173.01	2.1	14
Turf City (Sites I, II and III)	2021-09-27	HE0330	*Mangifera indica*	Anacardiaceae	Exotic	Casual	Tree	35640.269	24195.198	1.6	12
Turf City (Sites I, II and III)	2021-09-27	HE0331	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35642.265	24184.81	1.6	18
Turf City (Sites I, II and III)	2021-09-27	HE0332	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35640.387	24180.633	1.3	18
Turf City (Sites I, II and III)	2021-09-27	HE0333	*Erythrophleum suaveolens*	Fabaceae	Exotic	Cultivated Only	Tree	35647.569	24180.311	2.4	14
Turf City (Sites I, II and III)	2021-09-27	HE0334	*Aphanamixis polystachya*	Meliaceae	Native	Endangered	Tree	35643.452	24172.312	1.7	8
Turf City (Sites I, II and III)	2021-09-27	HE0335	*Erythrophleum suaveolens*	Fabaceae	Exotic	Cultivated Only	Tree	35653.148	24156.038	2.4	16
Turf City (Sites I, II and III)	2021-09-27	HE0336	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35635.483	24153.013	2.2	14
Turf City (Sites I, II and III)	2021-09-27	HE0337	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35631.97	24164.515	3	16
Turf City (Sites I, II and III)	2021-09-27	HE0338	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35628.174	24173.403	2	14
Turf City (Sites I, II and III)	2021-09-27	HE0339	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35628.749	24176.752	2	16
Turf City (Sites I, II and III)	2021-09-27	HE0340	*Erythrophleum suaveolens*	Fabaceae	Exotic	Cultivated Only	Tree	35617.636	24153.449	4.2	18

Turf City (Sites I, II and III)	2021-09-27	HE0341	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35616.498	24096.999	10	16
Turf City (Sites I, II and III)	2021-09-27	HE0342	*Baphia nitida*	Fabaceae	Exotic	Casual	Shrub	35621.761	24105.661	2.2	12
Turf City (Sites I, II and III)	2021-09-27	HE0343	*Nephelium lappaceum*	Sapindaceae	Native	Critically Endang	Tree	35631.06	24091.158	1.8	8
Turf City (Sites I, II and III)	2021-09-27	HE0344	*Pterocarpus indicus*	Fabaceae	Exotic	Casual	Tree	35623.17	24084.184	1.2	16
Turf City (Sites I, II and III)	2021-09-27	HE0345	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35644.787	23997.212	1.8	12
Turf City (Sites I, II and III)	2021-09-27	HE0346	*Bridelia tomentosa*	Phyllanthaceae	Native	Common	Tree	35642.984	24004.511	1	10
Turf City (Sites I, II and III)	2021-09-27	HE0347	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35637.973	24005.238	1.1	10
Turf City (Sites I, II and III)	2021-09-27	HE0348	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35637.754	24004.352	1.2	10
Turf City (Sites I, II and III)	2021-09-27	HE0349	*Bridelia tomentosa*	Phyllanthaceae	Native	Common	Tree	35631.724	24006.572	1.2	8
Turf City (Sites I, II and III)	2021-09-27	HE0349A	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35587.527	23999.097	1	12
Turf City (Sites I, II and III)	2021-09-27	HE0350	*Bridelia tomentosa*	Phyllanthaceae	Native	Common	Tree	35588.554	24002.029	1.3	6
Turf City (Sites I, II and III)	2021-09-27	HE0351	*Ficus fistulosa*	Moraceae	Native	Common	Tree	35626.403	24042.082	2	6
Turf City (Sites I, II and III)	2021-09-28	HE0352	*Cecropia pachystachya*	Urticaceae	Exotic	Naturalised	Tree	35470.784	24062.6	1.3	8
Turf City (Sites I, II and III)	2021-09-28	HE0353	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35472.814	24049.966	4	18
Turf City (Sites I, II and III)	2021-09-28	HE0354	*Ficus variegata*	Moraceae	Native	Common	Tree	35479.113	24052.185	1	17
Turf City (Sites I, II and III)	2021-09-28	HE0355	*Ficus variegata*	Moraceae	Native	Common	Tree	35484.01	24043.84	1.8	20
Turf City (Sites I, II and III)	2021-09-28	HE0356	*Claoxylon indicum*	Euphorbiaceae	Native	Common	Tree	35500.557	24030.487	1.3	17
Turf City (Sites I, II and III)	2021-09-28	HE0357	*Terminalia catappa*	Combretaceae	Native	Common	Tree	35519.891	24032.482	1.1	16
Turf City (Sites I, II and III)	2021-09-28	HE0358	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35524.654	24035.362	3.5	17
Turf City (Sites I, II and III)	2021-09-28	HE0359	*Ficus variegata*	Moraceae	Native	Common	Tree	35532.679	24041.59	1.3	14
Turf City (Sites I, II and III)	2021-09-28	HE0360	*Ficus variegata*	Moraceae	Native	Common	Tree	35558.11	24004.3	1.2	17
Turf City (Sites I, II and III)	2021-09-28	HE0361	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35562.941	24007.99	1.7	20
Turf City (Sites I, II and III)	2021-09-28	HE0362	*Ficus variegata*	Moraceae	Native	Common	Tree	35560.919	24018.683	1.4	20
Turf City (Sites I, II and III)	2021-09-28	HE0363	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	35558.054	24018.402	1.4	12
Turf City (Sites I, II and III)	2021-09-28	HE0364	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35554.779	24020.197	1.4	14
Turf City (Sites I, II and III)	2021-09-28	HE0365	*Bridelia tomentosa*	Phyllanthaceae	Native	Common	Tree	35550.954	24022.356	1.1	14
Turf City (Sites I, II and III)	2021-09-28	HE0366	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35546.735	24021.87	1	15
Turf City (Sites I, II and III)	2021-09-28	HE0367	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35551.176	24040.593	1.8	20
Turf City (Sites I, II and III)	2021-09-28	HE0368	*Syzygium polyanthum*	Myrtaceae	Native	Vulnerable	Tree	35539.594	24041.56	1	18
Turf City (Sites I, II and III)	2021-09-28	HE0369	*Bridelia tomentosa*	Phyllanthaceae	Native	Common	Tree	35545.4	24038.969	1.4	14
Turf City (Sites I, II and III)	2021-09-28	HE0370	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35545.487	24039.01	2.4	15
Turf City (Sites I, II and III)	2021-09-28	HE0371	*Syzygium lineatum*	Myrtaceae	Native	Common	Tree	35543.945	24052.973	1.4	18
Turf City (Sites I, II and III)	2021-09-28	HE0372	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35557.676	24051.074	1.6	8
Turf City (Sites I, II and III)	2021-09-28	HE0373	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35558.028	24045.303	1.5	13
Turf City (Sites I, II and III)	2021-09-28	HE0374	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35557.568	24047.754	1.8	15
Turf City (Sites I, II and III)	2021-09-28	HE0375	*Claoxylon indicum*	Euphorbiaceae	Native	Common	Tree	35561.797	24044.46	1.2	11
Turf City (Sites I, II and III)	2021-09-28	HE0376	*Claoxylon indicum*	Euphorbiaceae	Native	Common	Tree	35532.097	24056.151	1	12
Turf City (Sites I, II and III)	2021-09-28	HE0377	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	35508.056	24058.133	4.5	20
Turf City (Sites I, II and III)	2021-09-28	HE0378	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35526.086	24066.985	2.6	17
Turf City (Sites I, II and III)	2021-09-28	HE0379	*Mangifera indica*	Anacardiaceae	Exotic	Casual	Tree	35543.744	24074.855	2	17

Turf City (Sites I, II and III)	2021-09-28	HE0380	*Ficus fistulosa*	Moraceae	Native	Common	Tree	35534.991	24071.467	1.3	10
Turf City (Sites I, II and III)	2021-09-28	HE0381	*Bridelia tomentosa*	Phyllanthaceae	Native	Common	Tree	35536.036	24068.377	1	11
Turf City (Sites I, II and III)	2021-09-28	HE0382	*Bridelia tomentosa*	Phyllanthaceae	Native	Common	Tree	35577.617	24058.493	1.6	14
Turf City (Sites I, II and III)	2021-09-28	HE0383	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree	35588.31	24053.226	2.2	16
Turf City (Sites I, II and III)	2021-09-28	HE0384	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35589.517	24047.905	1.9	15
Turf City (Sites I, II and III)	2021-09-28	HE0501	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35466.15	24092.23	3	14
Turf City (Sites I, II and III)	2021-09-28	HE0502	*Andira inermis*	Fabaceae	Exotic	Casual	Tree	35476.59	24089.61	1.2	14
Turf City (Sites I, II and III)	2021-09-28	HE0503	*Khaya senegalensis*	Meliaceae	Exotic	Cultivated Only	Tree	35473.61	24096.13	2.2	18
Turf City (Sites I, II and III)	2021-09-28	HE0504	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35477.19	24125.93	1.2	12
Turf City (Sites I, II and III)	2021-09-28	HE0505	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35493.13	24119.01	12	20
Turf City (Sites I, II and III)	2021-09-28	HE0506	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35497.07	24115.57	4	20
Turf City (Sites I, II and III)	2021-09-28	HE0507	*Ficus variegata*	Moraceae	Native	Common	Tree	35510.79	24116.15	3	15
Turf City (Sites I, II and III)	2021-09-28	HE0508	*Peltophorum pterocarpum*	Fabaceae	Native	Critically Endang	Tree	35515.16	24137.56	3	18
Turf City (Sites I, II and III)	2021-09-28	HE0509	*Syzygium polyanthum*	Myrtaceae	Native	Vulnerable	Tree	35516.09	24159.73	1	20
Turf City (Sites I, II and III)	2021-09-28	HE0510	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35490.8	24134.54	2.5	18
Turf City (Sites I, II and III)	2021-09-28	HE0511	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35495.01	24150.38	2	18
Turf City (Sites I, II and III)	2021-09-28	HE0512	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35480.83	24156.71	2.6	18
Turf City (Sites I, II and III)	2021-09-28	HE0513	*Syzygium polyanthum*	Myrtaceae	Native	Vulnerable	Tree	35508.7	24158.95	1.1	18
Turf City (Sites I, II and III)	2021-09-28	HE0514	*Nephelium lappaceum*	Sapindaceae	Native	Critically Endang	Tree	35503.74	24167.99	2.4	15
Turf City (Sites I, II and III)	2021-09-28	HE0514A	*Campnosperma auriculatum*	Anacardiaceae	Native	Common	Tree	35504.04	24187.4	1.2	18
Turf City (Sites I, II and III)	2021-09-28	HE0515	*Nephelium lappaceum*	Sapindaceae	Native	Critically Endang	Tree	35501.32	24185.91	1.3	18
Turf City (Sites I, II and III)	2021-09-28	HE0516	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35496.48	24192.9	2	18
Turf City (Sites I, II and III)	2021-09-28	HE0517	*Nephelium lappaceum*	Sapindaceae	Native	Critically Endang	Tree	35491.55	24199.73	2	18
Turf City (Sites I, II and III)	2021-09-28	HE0518	*Artocarpus heterophyllus*	Moraceae	Exotic	Casual	Tree	35490.64	24201.87	1	15
Turf City (Sites I, II and III)	2021-09-28	HE0519	*Mangifera indica*	Anacardiaceae	Exotic	Casual	Tree	35493.12	24216.48	1.3	15
Turf City (Sites I, II and III)	2021-09-28	HE0519A	*Khaya grandifoliola*	Meliaceae	Exotic	Cultivated Only	Tree	35493.76	24230.51	1.3	20
Turf City (Sites I, II and III)	2021-09-28	HE0520	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35478.12	24217.99	1	18
Turf City (Sites I, II and III)	2021-09-28	HE0521	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35484.24	24198.38	1.1	18
Turf City (Sites I, II and III)	2021-09-28	HE0522	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35473.66	24202.07	1.2	18
Turf City (Sites I, II and III)	2021-09-28	HE0523	*Mangifera indica*	Anacardiaceae	Exotic	Casual	Tree	35473.83	24199.15	1.4	15
Turf City (Sites I, II and III)	2021-09-28	HE0524	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35486.8	24158.06	1	6
Turf City (Sites I, II and III)	2021-09-28	HE0525	*Ficus variegata*	Moraceae	Native	Common	Tree	35456.26	24167.51	1.8	20
Turf City (Sites I, II and III)	2021-09-28	HE0526	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35468.48	24162.4	2.3	20
Turf City (Sites I, II and III)	2021-09-28	HE0527	*Khaya senegalensis*	Meliaceae	Exotic	Cultivated Only	Tree	35462.53	24157.58	1.4	20
Turf City (Sites I, II and III)	2021-09-28	HE0528	*Khaya senegalensis*	Meliaceae	Exotic	Cultivated Only	Tree	35459.31	24164.04	2.4	20
Turf City (Sites I, II and III)	2021-09-28	HE0529	*Andira inermis*	Fabaceae	Exotic	Casual	Tree	35469.4	24143.85	1.6	15
Turf City (Sites I, II and III)	2021-09-28	HE0530	*Artocarpus heterophyllus*	Moraceae	Exotic	Casual	Tree	35465.23	24155.01	1.3	15
Turf City (Sites I, II and III)	2021-09-28	HE0531	*Andira inermis*	Fabaceae	Exotic	Casual	Tree	35471.12	24127.23	1.3	10
Turf City (Sites I, II and III)	2021-09-29	HE0420	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35679.412	23936.906	2	14
Turf City (Sites I, II and III)	2021-09-29	HE0421	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	35676.42	23938.221	1.3	12

Turf City (Sites I, II and III)	2021-09-29	HE0422	*Pterocarpus indicus*	Fabaceae	Exotic	Casual	Tree	35672.615	23949.694	2.4	16
Turf City (Sites I, II and III)	2021-09-29	HE0423	*Pterocarpus indicus*	Fabaceae	Exotic	Casual	Tree	35659.635	23951.862	2.4	16
Turf City (Sites I, II and III)	2021-09-29	HE0424	*Pterocarpus indicus*	Fabaceae	Exotic	Casual	Tree	35650.837	23959.824	1.5	12
Turf City (Sites I, II and III)	2021-09-29	HE0425	*Pterocarpus indicus*	Fabaceae	Exotic	Casual	Tree	35646.568	23969.956	2.2	12
Turf City (Sites I, II and III)	2021-09-29	HE0426	*Ficus religiosa*	Moraceae	Exotic	Naturalised	Strangler	35633.288	23959.289	3.8	13
Turf City (Sites I, II and III)	2021-09-29	HE0427	*Ficus religiosa*	Moraceae	Exotic	Naturalised	Strangler	35627.226	23962.005	2.1	11
Turf City (Sites I, II and III)	2021-09-29	HE0428	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	35614.811	23977.306	4.1	14
Turf City (Sites I, II and III)	2021-09-29	HE0429	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	35710.95	23927.47	2.1	12
Turf City (Sites I, II and III)	2021-09-29	HE0430	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	35712.683	23922.285	2.6	14
Turf City (Sites I, II and III)	2021-09-29	HE0431	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	35721.857	23918.172	3.7	13
Turf City (Sites I, II and III)	2021-09-29	HE0432	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35773.429	23915.026	7.7	20
Turf City (Sites I, II and III)	2021-09-29	HE0433	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35797.349	23911.928	1.1	10
Turf City (Sites I, II and III)	2021-09-29	HE0434	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35804.831	23910.464	1	10
Turf City (Sites I, II and III)	2021-09-29	HE0435	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35806.812	23914.589	1	10
Turf City (Sites I, II and III)	2021-09-29	HE0436	*Ficus variegata*	Moraceae	Native	Common	Tree	35803.955	23907.763	1	10
Turf City (Sites I, II and III)	2021-09-29	HE0437	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35796.871	23896.785	2.2	10
Turf City (Sites I, II and III)	2021-09-29	HE0438	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35756.781	23932.615	1.2	10
Turf City (Sites I, II and III)	2021-09-29	HE0439	*Aphanamixis polystachya*	Meliaceae	Native	Endangered	Tree	35754.389	23935.236	1	7
Turf City (Sites I, II and III)	2021-09-29	HE0440	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35745.484	23923.917	1.1	12
Turf City (Sites I, II and III)	2021-09-29	HE0441	*Syzygium polyanthum*	Myrtaceae	Native	Vulnerable	Tree	35742.659	23937.98	1.8	18
Turf City (Sites I, II and III)	2021-09-29	HE0442	*Aphanamixis polystachya*	Meliaceae	Native	Endangered	Tree	35745.068	23938.1	1.3	8
Turf City (Sites I, II and III)	2021-09-29	HE0444	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35732.572	23934.947	2	12
Turf City (Sites I, II and III)	2021-09-29	HE0445	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35723.644	23933.052	3	10
Turf City (Sites I, II and III)	2021-09-29	HE0446	*Peltophorum pterocarpum*	Fabaceae	Native	Critically Endang	Tree	35712.237	23939.138	2.3	16
Turf City (Sites I, II and III)	2021-09-29	HE0447	*Artocarpus heterophyllus*	Moraceae	Exotic	Casual	Tree	35710.19	23940.697	1	13
Turf City (Sites I, II and III)	2021-09-29	HE0448	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35702.301	23941.585	1.2	11
Turf City (Sites I, II and III)	2021-09-29	HE0449	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35698.714	23952.055	1.5	11
Turf City (Sites I, II and III)	2021-09-29	HE0450	*Peltophorum pterocarpum*	Fabaceae	Native	Critically Endang	Tree	35682.264	23963.044	3.1	18
Turf City (Sites I, II and III)	2021-09-29	HE0451	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35672.397	23971.568	1.1	13
Turf City (Sites I, II and III)	2021-09-29	HE0452	*Mangifera indica*	Anacardiaceae	Exotic	Casual	Tree	35713.95	23960.74	2.4	13
Turf City (Sites I, II and III)	2021-09-29	HE0453	*Mangifera indica*	Anacardiaceae	Exotic	Casual	Tree	35717.849	23955.569	1.6	12
Turf City (Sites I, II and III)	2021-09-29	HE0454	*Ficus religiosa*	Moraceae	Exotic	Naturalised	Strangler	35716.47	23948.855	1.3	15
Turf City (Sites I, II and III)	2021-09-29	HE0455	*Artocarpus integer*	Moraceae	Exotic	Casual	Tree	35767.933	23938.58	1.4	14
Turf City (Sites I, II and III)	2021-09-29	HE0456	*Durio zibethinus*	Malvaceae	Exotic	Casual	Tree	35758.849	23939.404	2.6	18
Turf City (Sites I, II and III)	2021-09-29	HE0532	*Averrhoa bilimbi*	Oxalidaceae	Exotic	Casual	Tree	35496.29	24086.28	1	6
Turf City (Sites I, II and III)	2021-09-29	HE0533	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35452.02	24106.51	1.2	15
Turf City (Sites I, II and III)	2021-09-29	HE0534	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35451.66	24103.54	1.3	15
Turf City (Sites I, II and III)	2021-09-29	HE0535	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35451.24	24105.24	2.6	18
Turf City (Sites I, II and III)	2021-09-29	HE0536	*Bridelia tomentosa*	Phyllanthaceae	Native	Common	Tree	35446.38	24115.73	1	12
Turf City (Sites I, II and III)	2021-09-29	HE0537	*Andira inermis*	Fabaceae	Exotic	Casual	Tree	35455.53	24118.86	1.1	12

Turf City (Sites I, II and III)	2021-09-29	HE0538	*Andira inermis*	Fabaceae	Exotic	Casual	Tree	35452.4	24117.9	1.1	12
Turf City (Sites I, II and III)	2021-09-29	HE0539	*Nephelium lappaceum*	Sapindaceae	Native	Critically Endang	Tree	35453.15	24118.7	1.6	12
Turf City (Sites I, II and III)	2021-09-29	HE0540	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35446.68	24122.21	1.1	15
Turf City (Sites I, II and III)	2021-09-29	HE0541	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35445.87	24089.5	4	20
Turf City (Sites I, II and III)	2021-09-29	HE0542	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35427.81	24088.51	1.8	15
Turf City (Sites I, II and III)	2021-09-29	HE0543	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35425.02	24090.84	2	15
Turf City (Sites I, II and III)	2021-09-29	HE0544	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35429.08	24086.28	2.3	15
Turf City (Sites I, II and III)	2021-09-29	HE0545	*Erythrophleum suaveolens*	Fabaceae	Exotic	Cultivated Only	Tree	35403.42	24078	4.5	20
Turf City (Sites I, II and III)	2021-09-29	HE0546	*Alsophila latebrosa*	Cyatheaceae	Native	Vulnerable	Tree	35411.33	24067.56	0.1-0.3	2.0-3.0
Turf City (Sites I, II and III)	2021-09-29	HE0547	*Andira inermis*	Fabaceae	Exotic	Casual	Tree	35430.8	24113.94	2.8	15
Turf City (Sites I, II and III)	2021-09-29	HE0548	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35428.12	24142.66	4.5	20
Turf City (Sites I, II and III)	2021-09-29	HE0549	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35426.75	24144.69	3	8
Turf City (Sites I, II and III)	2021-09-29	HE0550	*Ficus barteri*	Moraceae	Exotic	Cultivated Only	Tree	35439.54	24063.65	4	12
Turf City (Sites I, II and III)	2021-09-29	HE0551	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35436.37	24071.31	1	4
Turf City (Sites I, II and III)	2021-09-29	HE0552	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35433.08	24080.19	1.2	12
Turf City (Sites I, II and III)	2021-09-29	HE0553	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35423.5	24061.03	2	5
Turf City (Sites I, II and III)	2021-09-29	HE0553	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35412.05	24051.32	2.8	18
Turf City (Sites I, II and III)	2021-09-29	HE0554	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	35420.06	24058.52	2	10
Turf City (Sites I, II and III)	2021-10-04	HE0385	*Ficus variegata*	Moraceae	Native	Common	Tree	36068.779	23897.872	2	18
Turf City (Sites I, II and III)	2021-10-04	HE0386	*Claoxylon indicum*	Euphorbiaceae	Native	Common	Tree	36090.248	23895.797	1	8
Turf City (Sites I, II and III)	2021-10-04	HE0387	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	36100.004	23889.83	4	20
Turf City (Sites I, II and III)	2021-10-04	HE0388	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	36113.277	23883.382	3.2	25
Turf City (Sites I, II and III)	2021-10-04	HE0389	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	36108.824	23874.075	1	8
Turf City (Sites I, II and III)	2021-10-04	HE0390	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	36126.313	23886.957	2	20
Turf City (Sites I, II and III)	2021-10-04	HE0391	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree	36127.658	23850.299	1	8
Turf City (Sites I, II and III)	2021-10-04	HE0392	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	36118.618	23894.047	1.6	18
Turf City (Sites I, II and III)	2021-10-04	HE0393	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	36111.791	23894.006	1.2	8
Turf City (Sites I, II and III)	2021-10-04	HE0394	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	36117.753	23896.953	2.6	16
Turf City (Sites I, II and III)	2021-10-04	HE0395	*Planchonella obovata*	Sapotaceae	Native	Vulnerable	Tree	36127.4	23878.118	0.6	7
Turf City (Sites I, II and III)	2021-10-04	HE0396	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	36119.279	23915.277	1.2	8
Turf City (Sites I, II and III)	2021-10-04	HE0397	*Ficus variegata*	Moraceae	Native	Common	Tree	36125.596	23912.828	1.3	10
Turf City (Sites I, II and III)	2021-10-04	HE0398	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	35988.435	23908.708	3.1	20
Turf City (Sites I, II and III)	2021-10-04	HE0399	*Erythrophleum suaveolens*	Fabaceae	Exotic	Cultivated Only	Tree	35985.724	23899.984	1.6	16
Turf City (Sites I, II and III)	2021-10-04	HE0400	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	36078.491	23935.007	5.3	18
Turf City (Sites I, II and III)	2021-10-04	HE0556	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35995.273	23891.803	1	6
Turf City (Sites I, II and III)	2021-10-04	HE0557	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	35973.116	23887.819	1.5	10
Turf City (Sites I, II and III)	2021-10-04	HE0558	*Macaranga conifera*	Euphorbiaceae	Native	Common	Tree	35960.036	23888.902	1.2	12
Turf City (Sites I, II and III)	2021-10-04	HE0559	*Macaranga conifera*	Euphorbiaceae	Native	Common	Tree	35961.596	23890.172	2.8	12
Turf City (Sites I, II and III)	2021-10-04	HE0560	*Erythrophleum suaveolens*	Fabaceae	Exotic	Cultivated Only	Tree	35964.396	23875.755	3.6	18
Turf City (Sites I, II and III)	2021-10-04	HE0561	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35961.791	23873.14	2.5	6

Turf City (Sites I, II and III)	2021-10-04	HE0562	*Campnosperma auriculatum*	Anacardiaceae	Native	Common	Tree	35962.407	23868.404	1	12
Turf City (Sites I, II and III)	2021-10-04	HE0563	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	35944.128	23875.597	3.6	20
Turf City (Sites I, II and III)	2021-10-04	HE0564	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	35941.513	23887.176	3	25
Turf City (Sites I, II and III)	2021-10-04	HE0565	*Campnosperma auriculatum*	Anacardiaceae	Native	Common	Tree	35935.62	23894.833	1	14
Turf City (Sites I, II and III)	2021-10-04	HE0566	*Erythrophleum suaveolens*	Fabaceae	Exotic	Cultivated Only	Tree	35936.114	23883.126	2.6	20
Turf City (Sites I, II and III)	2021-10-04	HE0567	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	35925.768	23890.985	2.6	20
Turf City (Sites I, II and III)	2021-10-04	HE0568	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35925.679	23915.882	1.1	10
Turf City (Sites I, II and III)	2021-10-04	HE0569	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35926.396	23916.36	1.1	10
Turf City (Sites I, II and III)	2021-10-04	HE0570	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35927.829	23917.079	1.1	10
Turf City (Sites I, II and III)	2021-10-04	HE0571	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35921.779	23917.527	1	10
Turf City (Sites I, II and III)	2021-10-06	HE0457	*Planchonella obovata*	Sapotaceae	Native	Vulnerable	Tree	35952.232	23906.321	1	10
Turf City (Sites I, II and III)	2021-10-06	HE0458	*Litsea firma*	Lauraceae	Native	Vulnerable	Tree	35946.517	23900.892	0.3	6
Turf City (Sites I, II and III)	2021-10-06	HE0459	*Pterocarpus indicus*	Fabaceae	Exotic	Casual	Tree	35900.337	23896.946	4	15
Turf City (Sites I, II and III)	2021-10-06	HE0460	*Timonius wallichianus*	Rubiaceae	Native	Common	Tree	36010.242	23871.593	0.3	5
Turf City (Sites I, II and III)	2021-10-06	HE0572	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35922.764	23926.128	1.4	8
Turf City (Sites I, II and III)	2021-10-06	HE0573	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	35953.521	23901.999	2.8	18
Turf City (Sites I, II and III)	2021-10-06	HE0574	*Litsea elliptica*	Lauraceae	Native	Common	Tree	35954.543	23899.093	1.1	16
Turf City (Sites I, II and III)	2021-10-06	HE0575	*Campnosperma auriculatum*	Anacardiaceae	Native	Common	Tree	35901.13	23921.83	1.4	16
Turf City (Sites I, II and III)	2021-10-06	HE0576	*Pterocarpus indicus*	Fabaceae	Exotic	Casual	Tree	35907.421	23894	4.4	20
Turf City (Sites I, II and III)	2021-10-06	HE0577	*Campnosperma auriculatum*	Anacardiaceae	Native	Common	Tree	35887.526	23889.898	1.4	15
Turf City (Sites I, II and III)	2021-10-06	HE0578	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree	35891.795	23905.364	1	12
Turf City (Sites I, II and III)	2021-10-06	HE0579	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree	35895.122	23909.946	1	12
Turf City (Sites I, II and III)	2021-10-06	HE0580	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	35885.374	23876.431	1.5	12
Turf City (Sites I, II and III)	2021-10-06	HE0581	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree	35904.423	23861.001	1	10
Turf City (Sites I, II and III)	2021-10-06	HE0582	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35912.21	23863.308	1.2	10
Turf City (Sites I, II and III)	2021-10-06	HE0583	*Macaranga hypoleuca*	Euphorbiaceae	Native	Common	Tree	35925.57	23862.149	1.8	10
Turf City (Sites I, II and III)	2021-10-06	HE0584	*Bridelia tomentosa*	Phyllanthaceae	Native	Common	Tree	35920.206	23850.689	1.5	10
Turf City (Sites I, II and III)	2021-10-06	HE0585	*Bridelia tomentosa*	Phyllanthaceae	Native	Common	Tree	35931.91	23856.233	1.2	6
Turf City (Sites I, II and III)	2021-10-06	HE0586	*Macaranga conifera*	Euphorbiaceae	Native	Common	Tree	35934.207	23860.568	1	6
Turf City (Sites I, II and III)	2021-10-06	HE0588	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35970.423	23840.371	1.8	18
Turf City (Sites I, II and III)	2021-10-06	HE0590	*Planchonella obovata*	Sapotaceae	Native	Vulnerable	Tree	35971.173	23837.665	0.4	5
Turf City (Sites I, II and III)	2021-10-06	HE0591	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35986.746	23841.33	2.8	6
Turf City (Sites I, II and III)	2021-10-06	HE0593	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35980.164	23854.575	1.2	10
Turf City (Sites I, II and III)	2021-10-06	HE0594	*Erythrophleum suaveolens*	Fabaceae	Exotic	Cultivated Only	Tree	35985.378	23874.057	2.6	16
Turf City (Sites I, II and III)	2021-10-06	HE0595	*Erythrophleum suaveolens*	Fabaceae	Exotic	Cultivated Only	Tree	36003.054	23867.738	3	16
Turf City (Sites I, II and III)	2021-10-06	HE0596	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	36002.393	23861.371	2	5
Turf City (Sites I, II and III)	2021-10-06	HE0597	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree	35994.794	23862.617	1.2	10
Turf City (Sites I, II and III)	2021-10-08	HE0601	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	36052.03	23871.31	2.6	20
Turf City (Sites I, II and III)	2021-10-08	HE0602	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	36049.27	23855.46	3.2	20
Turf City (Sites I, II and III)	2021-10-08	HE0603	*Erythrophleum suaveolens*	Fabaceae	Exotic	Cultivated Only	Tree	36048.78	23849.75	3.2	20

Turf City (Sites I, II and III)	2021-10-08	HE0604	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	36050.85	23848.34	3.7	25
Turf City (Sites I, II and III)	2021-10-08	HE0605	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	36059.58	23841.65	3.2	20
Turf City (Sites I, II and III)	2021-10-08	HE0606	*Syzygium lineatum*	Myrtaceae	Native	Common	Tree	36089.74	23852.43	1.1	8
Turf City (Sites I, II and III)	2021-10-08	HE0607	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	36099.48	23841.79	2.3	12
Turf City (Sites I, II and III)	2021-10-08	HE0608	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	36104.02	23835.4	2.5	8
Turf City (Sites I, II and III)	2021-10-08	HE0609	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	36110.26	23843.32	3	20
Turf City (Sites I, II and III)	2021-10-08	HE0610	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	36111	23851.6	1.8	15
Turf City (Sites I, II and III)	2021-10-08	HE0611	*Alsophila latebrosa*	Cyatheaceae	Native	Vulnerable	Tree	36117.95	23840.8	0.3	2
Turf City (Sites I, II and III)	2021-10-08	HE0612	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	36103.55	23833.81	5.4	25
Turf City (Sites I, II and III)	2021-10-08	HE0613	*Planchonella obovata*	Sapotaceae	Native	Vulnerable	Tree	36096.37	23828.94	1.4	6
Turf City (Sites I, II and III)	2021-10-08	HE0614	*Erythrophleum suaveolens*	Fabaceae	Exotic	Cultivated Only	Tree	36094.4	23822	3.2	20
Turf City (Sites I, II and III)	2021-10-08	HE0615	*Erythrophleum suaveolens*	Fabaceae	Exotic	Cultivated Only	Tree	36087.47	23827.56	4.8	20
Turf City (Sites I, II and III)	2021-10-08	HE0616	Unknown	-	-	-	-	36082.94	23846.42	1.1	15
Turf City (Sites I, II and III)	2021-10-08	HE0617	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	36038.28	23858.35	3.3	25
Turf City (Sites I, II and III)	2021-10-08	HE0618	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	36042.15	23869.46	2	5
Turf City (Sites I, II and III)	2021-10-08	HE0619	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	36047.96	23880.02	4.4	20
Turf City (Sites I, II and III)	2021-10-08	HE0620	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	36040.69	23882.03	3.4	20
Turf City (Sites I, II and III)	2021-10-08	HE0621	*Planchonella obovata*	Sapotaceae	Native	Vulnerable	Tree	36024.84	23861.19	0.5	6
Turf City (Sites I, II and III)	2021-10-08	HE0622	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	36006.17	23838.83	1.1	8
Turf City (Sites I, II and III)	2021-10-08	HE0623	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	36004.31	23838.39	1.1	8
Turf City (Sites I, II and III)	2021-10-08	HE0624	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree	36015.73	23840	1.3	10
Turf City (Sites I, II and III)	2021-10-08	HE0625	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	36014.02	23833.76	1.1	10
Turf City (Sites I, II and III)	2021-10-08	HE0626	*Syzygium lineatum*	Myrtaceae	Native	Common	Tree	36010.32	23821.71	1	10
Turf City (Sites I, II and III)	2021-10-08	HE0627	Unknown	-	-	-	-	36027.82	23820.59	1.1	8
Turf City (Sites I, II and III)	2021-10-18	HE0628	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree	35967.02	24150.1	1.9	14
Turf City (Sites I, II and III)	2021-10-18	HE0629	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35981.52	24168.91	1.8	25
Turf City (Sites I, II and III)	2021-10-18	HE0630	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35980.94	24171.15	1.4	20
Turf City (Sites I, II and III)	2021-10-18	HE0631	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35935.3	24183.24	1.2	12
Turf City (Sites I, II and III)	2021-10-18	HE0632	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35945.52	24168.6	1.1	10
Turf City (Sites I, II and III)	2021-10-18	HE0633	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35945.24	24165.58	1	14
Turf City (Sites I, II and III)	2021-10-18	HE0634	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree	35937.93	24156.86	1.2	12
Turf City (Sites I, II and III)	2021-10-18	HE0635	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35961.08	24172.54	1.2	8
Turf City (Sites I, II and III)	2021-10-18	HE0636	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35963.32	24175.09	1	10
Turf City (Sites I, II and III)	2021-10-18	HE0637	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35988.96	24135.18	1.6	18
Turf City (Sites I, II and III)	2021-10-18	HE0638	*Pterocarpus indicus*	Fabaceae	Exotic	Casual	Tree	35993.52	24116.66	4.4	16
Turf City (Sites I, II and III)	2021-10-18	HE0639	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	36009.42	24148.39	1.8	16
Turf City (Sites I, II and III)	2021-10-18	HE0640	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	36011.29	24145.93	1.1	16
Turf City (Sites I, II and III)	2021-10-18	HE0641	*Syzygium grande*	Myrtaceae	Native	Common	Tree	36008.56	24175.16	1	15
Turf City (Sites I, II and III)	2021-10-18	HE0642	*Syzygium grande*	Myrtaceae	Native	Common	Tree	36006.49	24177.17	1.1	16
Turf City (Sites I, II and III)	2021-10-18	HE0643	*Litsea elliptica*	Lauraceae	Native	Common	Tree	35993.75	24169	1.1	12

Turf City (Sites I, II and III)	2021-10-18	HE0644	*Macaranga conifera*	Euphorbiaceae	Native	Common	Tree	36000.64	24167.23	1	10
Turf City (Sites I, II and III)	2021-10-18	HE0645	*Endospermum* sp.	Euphorbiaceae	Native	Vulnerable	Tree	35992.31	24180.66	1.6	18
Turf City (Sites I, II and III)	2021-10-18	HE0646	*Syzygium lineatum*	Myrtaceae	Native	Common	Tree	35980.53	24185.47	1	16
Turf City (Sites I, II and III)	2021-10-18	HE0647	*Pterocarpus indicus*	Fabaceae	Exotic	Casual	Tree	35959.37	24220.88	3	18
Turf City (Sites I, II and III)	2021-10-18	HE0648	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35958.19	24211.14	3	18
Turf City (Sites I, II and III)	2021-10-18	HE0649	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35942.57	24195.93	1.8	10
Turf City (Sites I, II and III)	2021-10-18	HE0650	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35938.57	24199.77	1.3	12
Turf City (Sites I, II and III)	2021-10-18	HE0651	*Campnosperma auriculatum*	Anacardiaceae	Native	Common	Tree	35924.25	24206.75	2	20
Turf City (Sites I, II and III)	2021-10-18	HE0652	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35908.41	24218.55	1.5	14
Turf City (Sites I, II and III)	2021-10-18	HE0653	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35894.17	24208.52	2.5	18
Turf City (Sites I, II and III)	2021-10-18	HE0654	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35883.29	24215.98	1	30
Turf City (Sites I, II and III)	2021-10-18	HE0655	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35900.73	24220.58	1	10
Turf City (Sites I, II and III)	2021-10-18	HE0656	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35900.75	24222.7	1.5	12
Turf City (Sites I, II and III)	2021-10-18	HE0657	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35870.37	24221.37	3.6	13
Turf City (Sites I, II and III)	2021-10-18	HE0658	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35883.05	24227.4	1.2	14
Turf City (Sites I, II and III)	2021-10-18	HE0659	*Claoxylon indicum*	Euphorbiaceae	Native	Common	Tree	35923.72	24237.41	1.1	6
Turf City (Sites I, II and III)	2021-10-18	HE0660	*Pterocarpus indicus*	Fabaceae	Exotic	Casual	Tree	35866.66	24222.5	4.8	25
Turf City (Sites I, II and III)	2021-10-18	HE0661	*Pterocarpus indicus*	Fabaceae	Exotic	Casual	Tree	35877.82	24220.39	3	25
Turf City (Sites I, II and III)	2021-10-18	HE0662	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35888.52	24214.65	1.5	25
Turf City (Sites I, II and III)	2021-10-18	HE0663	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35896.36	24191.49	1.7	18
Turf City (Sites I, II and III)	2021-10-18	HE0663A	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35886.36	24208.01	2	12
Turf City (Sites I, II and III)	2021-10-19	HE0664	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35823.94	24216.46	3.6	20
Turf City (Sites I, II and III)	2021-10-19	HE0665	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35834.33	24220.36	2	6
Turf City (Sites I, II and III)	2021-10-19	HE0666	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	35837.09	24211.94	7	16
Turf City (Sites I, II and III)	2021-10-19	HE0667	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35830.74	24186.9	4	16
Turf City (Sites I, II and III)	2021-10-19	HE0668	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35834.63	24198.14	1.1	12
Turf City (Sites I, II and III)	2021-10-19	HE0669	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35819.69	24216.67	1.8	18
Turf City (Sites I, II and III)	2021-10-19	HE0670	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35824.56	24222.92	1	7
Turf City (Sites I, II and III)	2021-10-19	HE0671	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35815.57	24227.68	1.8	6
Turf City (Sites I, II and III)	2021-10-19	HE0672	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35803.06	24223.86	1.1	6
Turf City (Sites I, II and III)	2021-10-19	HE0673	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35803.98	24219.66	1.7	15
Turf City (Sites I, II and III)	2021-10-19	HE0674	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35796.78	24223.97	1.2	6
Turf City (Sites I, II and III)	2021-10-19	HE0675	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35796.95	24223.75	1.4	6
Turf City (Sites I, II and III)	2021-10-19	HE0676	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35793.46	24221.47	4	20
Turf City (Sites I, II and III)	2021-10-19	HE0677	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35790.32	24207.25	4.2	20
Turf City (Sites I, II and III)	2021-10-19	HE0678	*Claoxylon indicum*	Euphorbiaceae	Native	Common	Tree	35805.44	24205.35	1	10
Turf City (Sites I, II and III)	2021-10-19	HE0679	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35796.87	24198.41	1	8
Turf City (Sites I, II and III)	2021-10-19	HE0680	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	36016.2	24109.63	1.4	12
Turf City (Sites I, II and III)	2021-10-19	HE0681	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	36011	24085.01	4	14
Turf City (Sites I, II and III)	2021-10-19	HE0682	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	36013.7	24076.14	1	10

Turf City (Sites I, II and III)	2021-10-19	HE0683	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	36013.28	24074.97	1	10
Turf City (Sites I, II and III)	2021-10-19	HE0684	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35991.4	24072.26	1.2	14
Turf City (Sites I, II and III)	2021-10-19	HE0685	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	36031.13	24027.41	1.6	12
Turf City (Sites I, II and III)	2021-10-19	HE0686	*Acacia mangium*	Fabaceae	Exotic	Naturalised	Tree	36057.05	24007.81	1.7	14
Turf City (Sites I, II and III)	2021-10-19	HE0687	*Alstonia angustiloba*	Apocynaceae	Native	Common	Tree	36060.58	24022.25	1.6	7
Turf City (Sites I, II and III)	2021-10-19	HE0688	*Alstonia scholaris*	Apocynaceae	Exotic	Cultivated Only	Tree	36065.44	24024.99	1.2	10
Turf City (Sites I, II and III)	2021-10-19	HE0689	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	36068.52	24026.26	1	11
Turf City (Sites I, II and III)	2021-10-19	HE0690	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	36078.84	24029.93	1.4	14
Turf City (Sites I, II and III)	2021-10-19	HE0691	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	36075.36	24032.84	2	14
Turf City (Sites I, II and III)	2021-10-19	HE0692	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	36069.7	24033.06	2	12
Turf City (Sites I, II and III)	2021-10-19	HE0693	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	36081.96	24051.18	1	10
Turf City (Sites I, II and III)	2021-10-19	HE0694	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	36076.72	24049.69	1.9	16
Turf City (Sites I, II and III)	2021-10-19	HE0695	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	36073.95	24069.73	2.2	16
Turf City (Sites I, II and III)	2021-10-19	HE0696	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	36044.6	24054.88	2	16
Turf City (Sites I, II and III)	2021-10-19	HE0697	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	36043.89	24062.83	1.5	16
Turf City (Sites I, II and III)	2021-10-19	HE0698	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	36045.14	24071.52	2	14
Turf City (Sites I, II and III)	2021-10-19	HE0699	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	36045.75	24094.16	3	20
Turf City (Sites I, II and III)	2021-11-02	HE1101	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35533.498	24285.329	1.7	20
Turf City (Sites I, II and III)	2021-11-02	HE1103	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree	35541.261	24283.248	1	15
Turf City (Sites I, II and III)	2021-11-03	HE1149	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35527.233	24286.92	2	8
Turf City (Sites I, II and III)	2021-11-03	HE1150	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35528.108	24287.338	1.1	18
Turf City (Sites I, II and III)	2021-11-11	HE1513	*Syzygium polyanthum*	Myrtaceae	Native	Vulnerable	Tree	35680.535	24224.122	1.3	10
Turf City (Sites I, II and III)	2021-11-11	HE1514	*Syzygium polyanthum*	Myrtaceae	Native	Vulnerable	Tree	35686.21	24225.557	1.8	8
Turf City (Sites I, II and III)	2021-11-11	HE1515	*Artocarpus integer*	Moraceae	Exotic	Casual	Tree	35695.557	24228.541	1.2	7
Turf City (Sites I, II and III)	2021-11-11	HE1516	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	35849.437	23944.069	2	14
Turf City (Sites I, II and III)	2021-11-11	HE1517	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35846.969	23932.324	3	15
Turf City (Sites I, II and III)	2021-11-11	HE1518	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	35847.316	23931.456	2.5	16
Turf City (Sites I, II and III)	2021-11-11	HE1519	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35836.557	23922.402	2.1	16
Turf City (Sites I, II and III)	2021-11-11	HE1520	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35850.861	23917.783	1.8	30
Turf City (Sites I, II and III)	2021-11-11	HE1521	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35855.114	23920.999	1.8	30
Turf City (Sites I, II and III)	2021-11-11	HE1522	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35858.743	23925.122	1.3	30
Turf City (Sites I, II and III)	2021-11-11	HE1523	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35861.817	23927.666	1.8	30
Turf City (Sites I, II and III)	2021-11-11	HE1524	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35865.693	23917.443	1.3	25
Turf City (Sites I, II and III)	2021-11-11	HE1525	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree	35880.28	23921.032	1.1	16
Turf City (Sites I, II and III)	2021-11-11	HE1526	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree	35877.735	23913.941	2	16
Turf City (Sites I, II and III)	2021-11-11	HE1527	*Macaranga hullettii*	Euphorbiaceae	Native	Critically Endang	Tree	35879.834	23910.559	1.3	4
Turf City (Sites I, II and III)	2021-11-11	HE1528	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35887.512	23931.167	8	20
Turf City (Sites I, II and III)	2021-11-11	HE1529	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35868.115	23930.464	2	6
Turf City (Sites I, II and III)	2021-11-11	HE1530	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	36069.817	24033.709	1.9	16
Turf City (Sites I, II and III)	2021-11-11	HE1531	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	36056.748	24042.865	1.7	14

Turf City (Sites I, II and III)	2021-11-11	HE1532	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	36056.109	24075.565	1.2	18
Turf City (Sites I, II and III)	2021-11-11	HE1533	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	36055.052	24079.032	1	16
Turf City (Sites I, II and III)	2021-11-11	HE1534	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	36061.171	24084.326	1.1	10
Turf City (Sites I, II and III)	2022-03-15	HE4600	*Litsea firma*	Lauraceae	Native	Vulnerable	Tree	36052.363	23856.084	0.5	9
Turf City (Sites I, II and III)	2022-05-19	HE4905	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35956.69	23831.5	1	12
Turf City (Sites I, II and III)	2022-05-19	HE4906	*Planchonella obovata*	Sapotaceae	Native	Vulnerable	Tree	35957.4	23834.02	1.3	12
Turf City (Sites I, II and III)	2022-05-19	HE4907	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35971.39	23824.31	1.2	6
Turf City (Sites I, II and III)	2022-05-23	HE4908	*Syzygium lineatum*	Myrtaceae	Native	Common	Tree	35997.25	23820.85	1	12
Turf City (Sites I, II and III)	2022-05-23	HE4909	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35994.02	23823.65	1	8
Turf City (Site III)	2021-11-17	HE2501	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	36059.3	23569.25	1.6	12
Turf City (Site III)	2021-11-17	HE2502	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	36053.22	23556.8	4	20
Turf City (Site III)	2021-11-17	HE2503	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	36053.94	23557.54	2.2	30
Turf City (Site III)	2021-11-17	HE2504	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	36053.72	23556.58	2.5	14
Turf City (Site III)	2021-11-17	HE2505	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	36042.39	23551.29	3	20
Turf City (Site III)	2021-11-17	HE2506	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	36032.56	23550.84	4	16
Turf City (Site III)	2021-11-17	HE2507	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	36031.13	23537.09	2.3	18
Turf City (Site III)	2021-11-17	HE2508	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	36030.1	23535.35	1.5	12
Turf City (Site III)	2021-11-17	HE2509	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	35951.45	23509.14	2	10
Turf City (Site III)	2021-11-17	HE2510	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	36027.73	23556.77	2.6	12
Turf City (Site III)	2021-11-17	HE2511	*Senna siamea*	Fabaceae	Exotic	Cultivated Only	Tree	36032.54	23550.48	1	12
Turf City (Site III)	2021-11-17	HE2512	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	36037.56	23566.47	5	20
Turf City (Site III)	2021-11-17	HE2513	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	36049.5	23577.89	1.8	20
Turf City (Site III)	2021-11-17	HE2514	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	36060.08	23587.05	2.5	20
Turf City (Site III)	2021-11-17	HE2515	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	36047.87	23600.18	15	20
Turf City (Site III)	2021-11-17	HE2516	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	36048.57	23607.83	2.3	18
Turf City (Site III)	2021-11-17	HE2517	*Arthrophyllum diversifolium*	Araliaceae	Native	Common	Tree	36042.22	23619.16	1	8
Turf City (Site III)	2021-11-17	HE2518	*Arthrophyllum diversifolium*	Araliaceae	Native	Common	Tree	36044.03	23603.96	1.1	10
Turf City (Site III)	2021-11-17	HE2519	*Arthrophyllum diversifolium*	Araliaceae	Native	Common	Tree	36040.47	23616.03	1	10
Turf City (Site III)	2021-11-17	HE2520	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree	36034.31	23595.99	1	10
Turf City (Site III)	2021-11-17	HE2521	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	36033.75	23580.84	1.3	12
Turf City (Site III)	2021-11-17	HE2522	*Ixonanthes reticulata*	Ixonanthaceae	Native	Common	Tree	36024.22	23571.96	2	20
Turf City (Site III)	2021-11-17	HE2523	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree	36024.34	23563.97	1	16
Turf City (Site III)	2021-11-17	HE2524	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree	36023.53	23557.45	2.2	16
Turf City (Site III)	2021-11-17	HE2525	*Litsea firma*	Lauraceae	Native	Vulnerable	Tree	36011.98	23570.41	0.5	7
Turf City (Site III)	2021-11-17	HE2526	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree	36015.07	23555.58	1.2	16
Turf City (Site III)	2021-11-17	HE2527	*Oncosperma tigillarium*	Arecaceae	Native	Vulnerable	Shrub	36006.8	23559.73	1	10
Turf City (Site III)	2021-11-17	HE2528	*Oncosperma tigillarium*	Arecaceae	Native	Vulnerable	Shrub	36007.5	23572.41	2	20
Turf City (Site III)	2021-11-17	HE2716	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	36074.681	23672.666	1	5
Turf City (Site III)	2021-11-17	HE2717	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	36069.674	23672.436	1.7	15
Turf City (Site III)	2021-11-17	HE2718	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	36078.913	23667.977	1.8	12

Turf City (Site III)	2021-11-17	HE2719	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	36077.387	23662.782	1.2	12
Turf City (Site III)	2021-11-17	HE2720	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	36075.772	23658.041	1.7	12
Turf City (Site III)	2021-11-17	HE2721	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	36070.924	23663.585	1	12
Turf City (Site III)	2021-11-17	HE2722	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	36076.014	23658.714	1	12
Turf City (Site III)	2021-11-17	HE2723	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	36078.143	23656.56	1.1	12
Turf City (Site III)	2021-11-17	HE2724	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	36078.849	23654.294	1.2	12
Turf City (Site III)	2021-11-17	HE2725	*Bridelia tomentosa*	Phyllanthaceae	Native	Common	Tree	36077.016	23653.984	1.3	7
Turf City (Site III)	2021-11-17	HE2726	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	36064.19	23591.384	2	13
Turf City (Site III)	2021-11-17	HE2727	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	36067.321	23612.356	4	16
Turf City (Site III)	2021-11-17	HE2728	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	36068.193	23629.36	6	16
Turf City (Site III)	2021-11-17	HE2729	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	36061.124	23661.52	4	16
Turf City (Site III)	2021-11-17	HE2730	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	36053.269	23666.788	2	12
Turf City (Site III)	2021-11-17	HE2731	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	36067.338	23670.913	1.7	16
Turf City (Site III)	2021-11-17	HE2732	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	36059.358	23668.098	1.3	12
Turf City (Site III)	2021-11-17	HE2733	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	36070.702	23670.924	1	15
Turf City (Site III)	2021-11-17	HE2734	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	36070.949	23662.428	1.3	16
Turf City (Site III)	2021-11-17	HE2735	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	36071.075	23655.124	1	15
Turf City (Site III)	2021-11-17	HE2736	*Commersonia bartramia*	Malvaceae	Native	Common	Tree	36029.42	23653.764	1.4	10
Turf City (Site III)	2021-11-17	HE2737	*Bridelia tomentosa*	Phyllanthaceae	Native	Common	Tree	36026.987	23655.891	1	8
Turf City (Site III)	2021-11-17	HE2738	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	36032.351	23645.705	1.5	11
Turf City (Site III)	2021-11-17	HE2739	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	36009.538	23636.495	3	7
Turf City (Site III)	2021-11-17	HE2740	*Claoxylon indicum*	Euphorbiaceae	Native	Common	Tree	35988.714	23620.865	1	10
Turf City (Site III)	2021-11-17	HE2741	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35978.171	23624.329	1.4	12
Turf City (Site III)	2021-11-17	HE2742	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35974.893	23623.857	2.5	7
Turf City (Site III)	2021-11-17	HE2743	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35970.881	23625.041	3.5	30
Turf City (Site III)	2021-11-17	HE2744	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35960.198	23622.043	1.1	14
Turf City (Site III)	2021-11-17	HE2745	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35959.523	23623.28	1.2	14
Turf City (Site III)	2021-11-17	HE2746	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35952.498	23615.452	1.5	15
Turf City (Site III)	2021-11-17	HE2747	*Claoxylon indicum*	Euphorbiaceae	Native	Common	Tree	35951.434	23619.896	1.1	14
Turf City (Site III)	2021-11-17	HE2748	*Claoxylon indicum*	Euphorbiaceae	Native	Common	Tree	35933.556	23613.239	1.4	7
Turf City (Site III)	2021-11-17	HE2749	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35920.321	23613.217	1.7	10
Turf City (Site III)	2021-11-17	HE2750	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35917.778	23617.716	1	10
Turf City (Site III)	2021-11-17	HE2751	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35899.635	23631.661	5	30
Turf City (Site III)	2021-11-17	HE2752	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35877.797	23633.876	1.1	12
Turf City (Site III)	2021-11-17	HE2753	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35844.494	23645.617	2.2	15
Turf City (Site III)	2021-12-01	HE1745	*Litsea elliptica*	Lauraceae	Native	Common	Tree	36005.97	23560.19	0.8	12
Turf City (Site III)	2021-12-01	HE1746	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35993.63	23566.86	2	8
Turf City (Site III)	2021-12-01	HE1747	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35990.08	23548.16	1.1	9
Turf City (Site III)	2021-12-01	HE1748	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35995.62	23548.28	1	9
Turf City (Site III)	2021-12-01	HE1749	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35952.76	23526.65	1.1	10

Turf City (Site III)	2021-12-01	HE1750	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35955.3	23537.81	1.6	12
Turf City (Site III)	2021-12-01	HE1751	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35951.12	23533.26	1.6	15
Turf City (Site III)	2021-12-01	HE1752	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree	35949.37	23536.73	1.6	12
Turf City (Site III)	2021-12-01	HE1753	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree	35951.53	23543.54	1.8	15
Turf City (Site III)	2021-12-01	HE1754	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35952.19	23544.49	1.5	12
Turf City (Site III)	2021-12-01	HE1755	*Macaranga hypoleuca*	Euphorbiaceae	Native	Common	Tree	35955.89	23556.61	1.1	10
Turf City (Site III)	2021-12-01	HE1756	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	35976.58	23552.49	3.5	12
Turf City (Site III)	2021-12-01	HE1757	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35983.19	23565.5	1.1	12
Turf City (Site III)	2021-12-01	HE1758	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	35990.68	23568.16	4	18
Turf City (Site III)	2021-12-01	HE1759	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35992.56	23566.47	3	10
Turf City (Site III)	2021-12-01	HE1760	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	36011.3	23576.06	5	12
Turf City (Site III)	2021-12-01	HE1761	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree	36014.89	23582.66	1.7	12
Turf City (Site III)	2021-12-01	HE1762	*Syzygium lineatum*	Myrtaceae	Native	Common	Tree	36012.58	23570.72	1.2	15
Turf City (Site III)	2021-12-01	HE1763	*Syzygium lineatum*	Myrtaceae	Native	Common	Tree	36010.6	23568.06	1.2	15
Turf City (Site III)	2021-12-01	HE1764	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	36015.25	23587.47	1.2	10
Turf City (Site III)	2021-12-01	HE1765	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	36023.17	23603.81	2	10
Turf City (Site III)	2021-12-01	HE1766	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	36025.28	23605.35	1.4	10
Turf City (Site III)	2021-12-01	HE1767	*Delonix regia*	Fabaceae	Exotic	Cultivated Only	Tree	36012.05	23601.82	1	8
Turf City (Site III)	2021-12-01	HE1768	*Litsea elliptica*	Lauraceae	Native	Common	Tree	36002.6	23599.71	1.2	15
Turf City (Site III)	2021-12-01	HE1769	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree	36000.62	23602.85	1.2	12
Turf City (Site III)	2021-12-01	HE1770	*Syzygium lineatum*	Myrtaceae	Native	Common	Tree	35986.18	23603.92	1	10
Turf City (Site III)	2021-12-01	HE1771	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree	35995.56	23589.52	1.2	15
Turf City (Site III)	2021-12-01	HE1772	*Rhodamnia cinerea*	Myrtaceae	Native	Common	Tree	36000.32	23585.41	1.6	9
Turf City (Site III)	2021-12-01	HE1773	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35989.69	23581.77	1	8
Turf City (Site III)	2021-12-01	HE1774	*Syzygium lineatum*	Myrtaceae	Native	Common	Tree	35989.58	23581.33	1	10
Turf City (Site III)	2021-12-01	HE1775	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35984.84	23581.1	1	12
Turf City (Site III)	2021-12-01	HE1776	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35986.56	23579.9	1.1	12
Turf City (Site III)	2021-12-01	HE2905	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35969.448	23630.689	2.9	20
Turf City (Site III)	2021-12-01	HE2906	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35928.34	23626.233	2	18
Turf City (Site III)	2021-12-01	HE2907	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35853.383	23654.231	1.3	13
Turf City (Site III)	2021-12-01	HE2908	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35847.063	23654.097	1.8	18
Turf City (Site III)	2021-12-01	HE2909	*Planchonella obovata*	Sapotaceae	Native	Vulnerable	Tree	35847.937	23657.658	0.6	12
Turf City (Site III)	2021-12-01	HE2910	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35842.756	23656.538	3.2	30
Turf City (Site III)	2021-12-01	HE2911	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35836.121	23655.982	1.2	12
Turf City (Site III)	2021-12-01	HE2912	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35836.937	23660.699	3.8	25
Turf City (Site III)	2021-12-01	HE2913	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35836.271	23664.821	2.5	7
Turf City (Site III)	2021-12-01	HE2914	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35835.248	23661.344	3.4	25
Turf City (Site III)	2021-12-01	HE2915	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35829.657	23668.707	1.9	14
Turf City (Site III)	2021-12-01	HE2916	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35816.315	23670.956	1.8	18
Turf City (Site III)	2021-12-01	HE2917	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35811.964	23669.19	2.9	12

Turf City (Site III)	2021-12-01	HE2918	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35808.906	23679.859	2.9	18
Turf City (Site III)	2021-12-01	HE2919	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35794.429	23678.048	1.3	16
Turf City (Site III)	2021-12-01	HE2920	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35794.002	23683.738	1.6	16
Turf City (Site III)	2021-12-01	HE2921	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35787.315	23690.041	1.5	16
Turf City (Site III)	2021-12-01	HE2922	*Bridelia tomentosa*	Phyllanthaceae	Native	Common	Tree	35783.164	23692.787	1.2	12
Turf City (Site III)	2021-12-01	HE2923	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35781.414	23694.085	1.3	12
Turf City (Site III)	2021-12-01	HE2924	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35772.752	23696.612	1.4	12
Turf City (Site III)	2021-12-01	HE2925	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35760.297	23668.983	5.8	18
Turf City (Site III)	2021-12-01	HE2926	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35771.705	23679.284	1.4	18
Turf City (Site III)	2021-12-01	HE2927	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35785.184	23673.178	1.6	16
Turf City (Site III)	2021-12-01	HE2928	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35842.649	23651.118	1.4	12
Turf City (Site III)	2021-12-01	HE2929	*Peltophorum pterocarpum*	Fabaceae	Native	Critically Endang	Tree	35838.38	23647.088	2.1	15
Turf City (Site III)	2021-12-01	HE2930	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35825.064	23650.562	1.3	12
Turf City (Site III)	2021-12-01	HE2931	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35782.734	23662.943	1	12
Turf City (Site III)	2021-12-01	HE2932	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35779.344	23659.664	2.5	9
Turf City (Site III)	2021-12-01	HE2933	*Peltophorum pterocarpum*	Fabaceae	Native	Critically Endang	Tree	35802.51	23656.28	1	10
Turf City (Site III)	2021-12-01	HE2934	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35802.971	23647.928	3	16
Turf City (Site III)	2021-12-01	HE2935	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35863.406	23620.003	3	17
Turf City (Site III)	2021-12-01	HE2936	*Peltophorum pterocarpum*	Fabaceae	Native	Critically Endang	Tree	35905.982	23612.962	3.5	16
Turf City (Site III)	2021-12-01	HE2937	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35919.411	23612.322	1.6	10
Turf City (Site III)	2021-12-01	HE2938	*Senna siamea*	Fabaceae	Exotic	Cultivated Only	Tree	35928.098	23602.943	1.6	12
Turf City (Site III)	2021-12-01	HE2939	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35938.327	23608.039	1.1	10
Turf City (Site III)	2021-12-01	HE2940	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35967.895	23613.756	1.7	13
Turf City (Site III)	2021-12-01	HE2941	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35932.776	23567.071	1	12
Turf City (Site III)	2021-12-01	HE2942	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35929.597	23575.579	1.2	12
Turf City (Site III)	2021-12-01	HE2943	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35931.725	23574.405	1	10
Turf City (Site III)	2021-12-01	HE2944	*Peltophorum pterocarpum*	Fabaceae	Native	Critically Endang	Tree	35921.845	23586.161	2.8	12
Turf City (Site III)	2021-12-01	HE2945	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35904.692	23597.045	1.2	8
Turf City (Site III)	2021-12-01	HE2946	*Peltophorum pterocarpum*	Fabaceae	Native	Critically Endang	Tree	35898.305	23598.834	2.2	12
Turf City (Site III)	2021-12-01	HE2947	*Peltophorum pterocarpum*	Fabaceae	Native	Critically Endang	Tree	35876.672	23603.674	2.4	14
Turf City (Site III)	2021-12-01	HE2948	*Peltophorum pterocarpum*	Fabaceae	Native	Critically Endang	Tree	35856.863	23614.74	2.5	14
Turf City (Site III)	2021-12-01	HE2949	*Peltophorum pterocarpum*	Fabaceae	Native	Critically Endang	Tree	35833.284	23623.198	2.1	15
Turf City (Site III)	2021-12-01	HE2950	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35825.218	23624.992	1.9	18
Turf City (Site III)	2021-12-01	HE2951	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35822.223	23624.906	2.3	25
Turf City (Site III)	2021-12-01	HE2952	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35820.526	23627.977	2.8	25
Turf City (Site III)	2021-12-01	HE2953	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35807.811	23640.179	1.4	13
Turf City (Site III)	2021-12-01	HE2954	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35796.056	23644.604	1.1	10
Turf City (Site III)	2021-12-01	HE2955	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35804.392	23628.067	2.6	20
Turf City (Site III)	2021-12-01	HE2956	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35811.82	23626.727	1.4	15
Turf City (Site III)	2021-12-01	HE2957	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35837.154	23614.949	2.5	25

Turf City (Site III)	2021-12-01	HE2958	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35845.607	23601.054	2.9	20
Turf City (Site III)	2021-12-01	HE2959	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35848.206	23596.605	3.6	18
Turf City (Site III)	2021-12-01	HE2960	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35881.808	23580.196	2.9	20
Turf City (Site III)	2021-12-01	HE2960A	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35893.949	23573.593	1.1	10
Turf City (Site III)	2021-12-01	HE2960B	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35887.62	23571.384	1.1	9
Turf City (Site III)	2021-12-01	HE2961	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35902.798	23571.708	1	8
Turf City (Site III)	2021-12-01	HE2961A	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35903.079	23557.45	1.1	9
Turf City (Site III)	2021-12-01	HE2961B	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35906.684	23557.023	2.5	8
Turf City (Site III)	2021-12-01	HE2961C	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35909.996	23557.382	2	8
Turf City (Site III)	2021-12-01	HE2962	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35917.253	23571.961	1	11
Turf City (Site III)	2021-12-01	HE2963	*Gliricidia sepium*	Fabaceae	Exotic	Casual	Tree	35948.693	23591.519	1.5	8
Turf City (Site III)	2021-12-01	HE2964	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree	35973.651	23597.976	1.8	13
Turf City (Site III)	2021-12-01	HE2965	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35973.023	23581.831	2.5	8
Turf City (Site III)	2021-12-01	HE2966	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35970.868	23585.959	2.5	8
Turf City (Site III)	2021-12-01	HE2967	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35971.426	23579.04	2.5	7
Turf City (Site III)	2021-12-01	HE2968	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35974.264	23580.294	2.5	7
Turf City (Site III)	2021-12-01	HE2969	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35974.637	23580.068	2.5	10
Turf City (Site III)	2021-12-08	HE1777	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35754.89	23674.19	1.2	12
Turf City (Site III)	2021-12-08	HE1778	*Peltophorum pterocarpum*	Fabaceae	Native	Critically Endang	Tree	35749.94	23673.97	3.2	18
Turf City (Site III)	2021-12-08	HE1779	*Claoxylon indicum*	Euphorbiaceae	Native	Common	Tree	35729.13	23685.35	1.1	12
Turf City (Site III)	2021-12-08	HE1780	*Peltophorum pterocarpum*	Fabaceae	Native	Critically Endang	Tree	35724.68	23685.53	5	18
Turf City (Site III)	2021-12-08	HE1781	*Peltophorum pterocarpum*	Fabaceae	Native	Critically Endang	Tree	35706.86	23697.39	3	18
Turf City (Site III)	2021-12-08	HE1782	*Peltophorum pterocarpum*	Fabaceae	Native	Critically Endang	Tree	35679.25	23710.03	1.9	15
Turf City (Site III)	2021-12-08	HE1783	*Peltophorum pterocarpum*	Fabaceae	Native	Critically Endang	Tree	35663.9	23728.55	4.9	20
Turf City (Site III)	2021-12-08	HE1784	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35647.14	23731.6	3.1	22
Turf City (Site III)	2021-12-08	HE1785	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35631.53	23742.34	2.5	12
Turf City (Site III)	2021-12-08	HE1786	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35637.26	23741.67	1.4	10
Turf City (Site III)	2021-12-08	HE1787	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35625.99	23748.39	2.6	22
Turf City (Site III)	2021-12-08	HE1788	*Peltophorum pterocarpum*	Fabaceae	Native	Critically Endang	Tree	35621.43	23750.85	2.2	18
Turf City (Site III)	2021-12-08	HE1789	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35608.403	23758.972	2	6
Turf City (Site III)	2021-12-08	HE1790	*Syzygium polyanthum*	Myrtaceae	Native	Vulnerable	Tree	35582.99	23779.47	2.7	18
Turf City (Site III)	2021-12-08	HE1791	*Syzygium polyanthum*	Myrtaceae	Native	Vulnerable	Tree	35583.67	23780.99	1.2	16
Turf City (Site III)	2021-12-08	HE1792	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35568.57	23792.61	2.5	10
Turf City (Site III)	2021-12-08	HE1793	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35577.23	23795.56	3.2	20
Turf City (Site III)	2021-12-08	HE1794	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35583.29	23793.38	1.2	18
Turf City (Site III)	2021-12-08	HE1795	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35588.9	23799.2	1.2	18
Turf City (Site III)	2021-12-08	HE1796	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35586.36	23804.57	2.4	20
Turf City (Site III)	2021-12-08	HE1797	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35570.67	23800.89	1.5	16
Turf City (Site III)	2021-12-08	HE1798	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35563.02	23830	2	16
Turf City (Site III)	2021-12-08	HE1799	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35536.15	23845.68	1.6	16

Turf City (Site III)	2021-12-08	HE1800	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35532.32	23848.73	1.3	16
Turf City (Site III)	2021-12-08	HE1801	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35525.53	23848.88	1.4	16
Turf City (Site III)	2021-12-08	HE1802	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35513.01	23861.13	1.1	15
Turf City (Site III)	2021-12-08	HE1803	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35522.51	23859.49	1.2	16
Turf City (Site III)	2021-12-08	HE1804	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35526.75	23862.33	1.4	16
Turf City (Site III)	2021-12-08	HE1805	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35524.27	23866.17	1.2	12
Turf City (Site III)	2021-12-08	HE1806	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35524.62	23865.4	1.8	16
Turf City (Site III)	2021-12-08	HE1807	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35528.64	23854.45	2	16
Turf City (Site III)	2021-12-08	HE1808	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35539.65	23846.25	1.7	16
Turf City (Site III)	2021-12-08	HE1809	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35563.12	23855.66	1.2	10
Turf City (Site III)	2021-12-08	HE1810	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35560.86	23843.38	2	18
Turf City (Site III)	2021-12-08	HE1811	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35563.21	23837.96	3	20
Turf City (Site III)	2021-12-08	HE1812	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35571.84	23832.53	1	15
Turf City (Site III)	2021-12-08	HE1813	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35566.88	23820.31	1.1	15
Turf City (Site III)	2021-12-08	HE1814	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35568.69	23822.36	1.1	15
Turf City (Site III)	2021-12-08	HE1815	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35568.91	23822.47	2.1	18
Turf City (Site III)	2021-12-08	HE1816	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35579.42	23813.1	1	12
Turf City (Site III)	2021-12-08	HE1817	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35577.63	23812.7	4.2	18
Turf City (Site III)	2021-12-08	HE1818	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35593.52	23800	1.9	18
Turf City (Site III)	2021-12-08	HE1819	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35613.42	23793.43	1.4	12
Turf City (Site III)	2021-12-08	HE1820	*Andira inermis*	Fabaceae	Exotic	Casual	Tree	35620.9	23774.77	1.3	15
Turf City (Site III)	2021-12-08	HE1821	*Andira inermis*	Fabaceae	Exotic	Casual	Tree	35622.87	23784.17	1.3	16
Turf City (Site III)	2021-12-08	HE1822	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35619.94	23783.38	4.1	15
Turf City (Site III)	2021-12-08	HE1823	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35647.7	23758.68	2.5	18
Turf City (Site III)	2021-12-08	HE1824	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35659.25	23749.2	2	18
Turf City (Site III)	2021-12-08	HE1825	*Claoxylon indicum*	Euphorbiaceae	Native	Common	Tree	35666.29	23758.54	1.4	15
Turf City (Site III)	2021-12-08	HE1826	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35683.24	23732.51	2.3	20
Turf City (Site III)	2021-12-08	HE1827	*Terminalia catappa*	Combretaceae	Native	Common	Tree	35684.23	23736.14	1.1	15
Turf City (Site III)	2021-12-08	HE1828	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35692.55	23724.78	2.7	20
Turf City (Site III)	2021-12-08	HE1829	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35695.16	23727.32	1.1	15
Turf City (Site III)	2021-12-08	HE1830	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35720.31	23722.52	1.8	15
Turf City (Site III)	2021-12-08	HE1831	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35724.7	23722.03	2.9	20
Turf City (Site III)	2021-12-08	HE1832	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35716.22	23703.66	1.8	18
Turf City (Site III)	2021-12-08	HE1833	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35724.12	23703.57	3	20
Turf City (Site III)	2021-12-08	HE1834	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35723.23	23698.8	1.1	12
Turf City (Site III)	2021-12-08	HE1835	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35729.61	23697.75	1.4	15
Turf City (Site III)	2021-12-08	HE1836	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35741.88	23695.26	3	18
Turf City (Site III)	2021-12-08	HE1837	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35594.89	23784.71	1.5	16
Turf City (Site III)	2021-12-08	HE3701	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35800.126	23623.457	2	10
Turf City (Site III)	2021-12-08	HE3702	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35803.846	23622.383	3	7

Turf City (Site III)	2021-12-08	HE3703	*Claoxylon indicum*	Euphorbiaceae	Native	Common	Tree	35800.359	23632.918	1	8
Turf City (Site III)	2021-12-08	HE3704	*Claoxylon indicum*	Euphorbiaceae	Native	Common	Tree	35785.795	23649.087	1.1	12
Turf City (Site III)	2021-12-08	HE3705	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35771.987	23653.475	1	8
Turf City (Site III)	2021-12-08	HE3706	*Pterocarpus indicus*	Fabaceae	Exotic	Casual	Tree	35746.196	23664.468	2.6	10
Turf City (Site III)	2021-12-08	HE3707	*Syzygium polyanthum*	Myrtaceae	Native	Vulnerable	Tree	35731.509	23674.779	1	18
Turf City (Site III)	2021-12-08	HE3708	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35730.46	23676.476	2	8
Turf City (Site III)	2021-12-08	HE3709	*Ficus benjamina*	Moraceae	Cryptogenic	-	Strangler	35717.183	23676.778	3.2	15
Turf City (Site III)	2021-12-08	HE3710	*Peltophorum pterocarpum*	Fabaceae	Native	Critically Endang	Tree	35717.516	23676.919	3.4	15
Turf City (Site III)	2021-12-08	HE3711	*Peltophorum pterocarpum*	Fabaceae	Native	Critically Endang	Tree	35694.364	23691.65	1.7	12
Turf City (Site III)	2021-12-08	HE3712	*Ficus variegata*	Moraceae	Native	Common	Tree	35659.985	23721.16	1.5	12
Turf City (Site III)	2021-12-08	HE3713	*Andira inermis*	Fabaceae	Exotic	Casual	Tree	35647.661	23707.097	1.3	12
Turf City (Site III)	2021-12-08	HE3714	*Claoxylon indicum*	Euphorbiaceae	Native	Common	Tree	35649.796	23705.005	1.1	10
Turf City (Site III)	2021-12-08	HE3715	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35620.618	23742.825	4.5	30
Turf City (Site III)	2021-12-08	HE3716	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35591.689	23752.811	5	20
Turf City (Site III)	2021-12-08	HE3717	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35578.154	23758.373	1.1	10
Turf City (Site III)	2021-12-08	HE3718	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35572.464	23758.132	1.9	12
Turf City (Site III)	2021-12-08	HE3719	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35586.974	23764.972	2	7
Turf City (Site III)	2021-12-08	HE3720	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35582.41	23762.719	1.8	12
Turf City (Site III)	2021-12-08	HE3721	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35592.232	23760.773	1.1	10
Turf City (Site III)	2021-12-08	HE3722	*Syzygium polyanthum*	Myrtaceae	Native	Vulnerable	Tree	35573.327	23768.899	1.4	17
Turf City (Site III)	2021-12-08	HE3722A	*Ficus microcarpa*	Moraceae	Native	Common	Strangler	35571.722	23778.088	2	10
Turf City (Site III)	2021-12-08	HE3723	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35559.432	23782.556	2	8
Turf City (Site III)	2021-12-08	HE3724	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35559.909	23783.155	3	8
Turf City (Site III)	2021-12-08	HE3725	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35560.231	23759.232	1.5	10
Turf City (Site III)	2021-12-08	HE3726	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35555.613	23763.134	5	30
Turf City (Site III)	2021-12-08	HE3727	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35547.723	23769.247	1.1	8
Turf City (Site III)	2021-12-08	HE3728	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35528.658	23773.528	1.1	10
Turf City (Site III)	2021-12-08	HE3729	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35519.281	23780.493	1.3	12
Turf City (Site III)	2021-12-08	HE3730	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35512.972	23781.608	1.1	13
Turf City (Site III)	2021-12-08	HE3731	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35510.975	23780.802	2.2	12
Turf City (Site III)	2021-12-08	HE3732	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35505.54	23784.012	1	10
Turf City (Site III)	2021-12-08	HE3733	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35493.489	23789.546	1	12
Turf City (Site III)	2021-12-08	HE3734	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35495.545	23790.39	1.2	12
Turf City (Site III)	2021-12-08	HE3735	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35464.258	23793.64	1.2	13
Turf City (Site III)	2021-12-08	HE3736	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35446.485	23809.658	1.2	12
Turf City (Site III)	2021-12-08	HE3737	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35447.213	23817.4	2	12
Turf City (Site III)	2021-12-08	HE3738	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35447.015	23841.389	6	30
Turf City (Site III)	2021-12-08	HE3739	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35484.774	23879.797	2.6	20
Turf City (Site III)	2021-12-08	HE3740	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35488.459	23879.264	2.5	20
Turf City (Site III)	2021-12-08	HE3741	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35480.179	23875.484	1.8	10

Turf City (Site III)	2021-12-08	HE3742	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35474.157	23871.95	1.4	8
Turf City (Site III)	2021-12-08	HE3743	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35466.279	23860.01	3.2	30
Turf City (Site III)	2021-12-08	HE3744	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35469.185	23847.457	3	30
Turf City (Site III)	2021-12-08	HE3745	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35473.627	23837.937	3	30
Turf City (Site III)	2021-12-08	HE3746	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35472.088	23817.251	5	30
Turf City (Site III)	2021-12-08	HE3747	*Oncosperma tigillarium*	Arecaceae	Native	Vulnerable	Shrub	35483.383	23809.325	4	20
Turf City (Site III)	2021-12-08	HE3748	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35509.215	23800.784	2.2	20
Turf City (Site III)	2021-12-08	HE3749	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35514.606	23796.272	2	20
Turf City (Site III)	2021-12-08	HE3750	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35498.781	23797.978	1.2	10
Turf City (Site III)	2021-12-08	HE3751	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35505.161	23808.255	1.5	12
Turf City (Site III)	2021-12-08	HE3752	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35510.712	23808.603	1.2	8
Turf City (Site III)	2021-12-08	HE3753	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35508.497	23812.865	2.4	12
Turf City (Site III)	2021-12-08	HE3754	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35500.182	23810.606	2	12
Turf City (Site III)	2021-12-08	HE3755	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35521.418	23819.222	1.6	14
Turf City (Site III)	2021-12-08	HE3756	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35524.37	23812.329	1.6	12
Turf City (Site III)	2021-12-08	HE3756A	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35528.745	23815.868	1.4	8
Turf City (Site III)	2021-12-08	HE3757	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35519.401	23788.058	1.6	8
Turf City (Site III)	2021-12-15	HE3622	*Bridelia tomentosa*	Phyllanthaceae	Native	Common	Tree	35574.6	23798.77	1.5	11
Turf City (Site III)	2021-12-15	HE3623	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35549.57	23812.23	1.5	12
Turf City (Site III)	2021-12-15	HE3623A	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35547.63	23800.98	2	8
Turf City (Site III)	2021-12-15	HE3623B	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35552.72	23799.21	2.5	8
Turf City (Site III)	2021-12-15	HE3624	*Terminalia catappa*	Combretaceae	Native	Common	Tree	35546.22	23834.8	1.4	15
Turf City (Site III)	2021-12-15	HE3625	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35529.41	23830.2	1.8	14
Turf City (Site III)	2021-12-15	HE3626	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35518.87	23842.18	2.2	15
Turf City (Site III)	2021-12-15	HE3627	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35512.73	23838.72	1.6	8
Turf City (Site III)	2021-12-15	HE3628	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35515.46	23845.62	3	14
Turf City (Site III)	2021-12-15	HE3629	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35507.56	23855.91	2.2	15
Turf City (Site III)	2021-12-15	HE3630	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35506.57	23855.26	2	15
Turf City (Site III)	2021-12-15	HE3631	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35492.94	23860.32	2.8	16
Turf City (Site III)	2021-12-15	HE3632	*Bridelia tomentosa*	Phyllanthaceae	Native	Common	Tree	35513.35	23868.35	1.1	16
Turf City (Site III)	2021-12-15	HE3633	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35514.09	23873.67	2	16
Turf City (Site III)	2021-12-15	HE3634	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35507.79	23860.18	2	12
Turf City (Site III)	2021-12-15	HE3635	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35494.98	23883.78	3.8	25
Turf City (Site III)	2021-12-15	HE3636	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35491.55	23903.11	1.6	10
Turf City (Site III)	2021-12-15	HE3637	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35493.56	23859.76	2	14
Turf City (Site III)	2021-12-15	HE3638	*Terminalia catappa*	Combretaceae	Native	Common	Tree	35494.53	23867.48	1.4	18
Turf City (Site III)	2021-12-15	HE3639	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35488.03	23855.32	1	13
Turf City (Site III)	2021-12-15	HE3640	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35485.79	23857.15	2	14
Turf City (Site III)	2021-12-15	HE3641	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35488.32	23865.85	1.2	11
Turf City (Site III)	2021-12-15	HE3642	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35481.44	23841.15	1.8	15

Turf City (Site III)	2021-12-15	HE3643	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35475.46	23834.12	2.5	9
Turf City (Site III)	2021-12-15	HE3644	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	35477.61	23831.05	1.7	13
Turf City (Site III)	2021-12-15	HE3835	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35646.512	23693	1	7
Turf City (Site III)	2021-12-15	HE3836	*Claoxylon indicum*	Euphorbiaceae	Native	Common	Tree	35652.055	23701.761	1	8
Turf City (Site III)	2021-12-15	HE3837	*Claoxylon indicum*	Euphorbiaceae	Native	Common	Tree	35682.072	23683.447	1	8
Turf City (Site III)	2021-12-15	HE3838	*Ficus fistulosa*	Moraceae	Native	Common	Tree	35686.954	23681.592	1	7
Turf City (Site III)	2021-12-15	HE3839	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35740.116	23651.915	1	7
Turf City (Site III)	2021-12-15	HE3840	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35729.986	23654.674	1	7
Turf City (Site III)	2021-12-15	HE3841	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35717.405	23657.365	1.2	7
Turf City (Site III)	2021-12-15	HE3842	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35701.318	23665.051	1.2	7
Turf City (Site III)	2021-12-15	HE3843	*Leucaena leucocephala*	Fabaceae	Exotic	Naturalised	Tree	35701.789	23664.743	1.2	7
Turf City (Site III)	2021-12-15	HE3844	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35602.796	23732.542	1.1	7
Turf City (Site III)	2021-12-15	HE3845	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35588.153	23737.022	3	15
Turf City (Site III)	2021-12-15	HE3846	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35566.238	23735.548	2.2	15
Turf City (Site III)	2021-12-15	HE3847	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35555.543	23736.563	2.6	15
Turf City (Site III)	2021-12-15	HE3848	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35558.996	23740.499	1.4	15
Turf City (Site III)	2021-12-15	HE3849	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35560.033	23740.258	1.2	15
Turf City (Site III)	2021-12-15	HE3850	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35552.2	23739.978	1	15
Turf City (Site III)	2021-12-15	HE3851	*Samanea saman*	Fabaceae	Exotic	Casual	Tree	35550.855	23737.931	2.5	15
Turf City (Site III)	2021-12-15	HE3852	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35552.946	23734.642	1.5	7
Turf City (Site III)	2021-12-15	HE3853	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35532.501	23744.073	4	30
Turf City (Site III)	2021-12-15	HE3854	*Terminalia catappa*	Combretaceae	Native	Common	Tree	35534.321	23755.527	1.4	15
Turf City (Site III)	2021-12-15	HE3855	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35531.503	23756.426	1.1	15
Turf City (Site III)	2021-12-15	HE3856	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35529.258	23755.507	1.1	12
Turf City (Site III)	2021-12-15	HE3857	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35523.695	23754.015	1.5	15
Turf City (Site III)	2021-12-15	HE3858	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35526.047	23762.918	3	30
Turf City (Site III)	2021-12-15	HE3859	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35487.205	23784.908	2.5	8
Turf City (Site III)	2021-12-15	HE3860	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35493.846	23772.167	2.1	15
Turf City (Site III)	2021-12-15	HE3861	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35539.206	23833.612	1.4	10
Turf City (Site III)	2021-12-15	HE3862	*Terminalia catappa*	Combretaceae	Native	Common	Tree	35550.186	23817.764	1	15
Turf City (Site III)	2021-12-15	HE3863	*Vitex pinnata*	Lamiaceae	Native	Common	Tree	35559.9	23810.176	1	12
Turf City (Site III)	2021-12-15	HE3864	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35538.777	23805.348	3	6
Turf City (Site III)	2021-12-15	HE3865	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Only	Tree	35539.969	23802.547	3	6

Appendix G2

List of Specimens Mapped in Holland Plain (Sites IV and V)

Site	Date	Tag ID	Species	Family	Origin	Status	Habit	Northing (DGPS)	Easting (DGPS)	Girth/ spread (m)	Height (m)
Holland Plain (Sites IV and V)	2021-10-20	HE0700	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34988.15	22286.71	1.3	15
Holland Plain (Sites IV and V)	2021-10-20	HE0701	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34986.92	22284.4	1	15
Holland Plain (Sites IV and V)	2021-10-20	HE0702	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34951.61	22286.38	1.6	10
Holland Plain (Sites IV and V)	2021-10-20	HE0703	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34949.13	22285.5	1.6	15
Holland Plain (Sites IV and V)	2021-10-20	HE0704	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34946.18	22283.62	1.2	14
Holland Plain (Sites IV and V)	2021-10-20	HE0705	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34933.56	22284.13	1.1	14
Holland Plain (Sites IV and V)	2021-10-20	HE0706	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34921.26	22281.64	1.6	13
Holland Plain (Sites IV and V)	2021-10-20	HE0707	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	34884.3	22388.44	1.6	13
Holland Plain (Sites IV and V)	2021-10-20	HE0708	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	34915.06	22424.47	1	15
Holland Plain (Sites IV and V)	2021-10-20	HE0709	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	34914.15	22418.67	2.6	18
Holland Plain (Sites IV and V)	2021-10-21	HE0710	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	34911.2	22407.79	1	14
Holland Plain (Sites IV and V)	2021-10-21	HE0711	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	34907.8	22402.34	1.2	18
Holland Plain (Sites IV and V)	2021-10-21	HE0712	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	34909.14	22400.27	1.5	18
Holland Plain (Sites IV and V)	2021-10-21	HE0713	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	34903.99	22397.9	1.2	18
Holland Plain (Sites IV and V)	2021-10-21	HE0714	*Alstonia angustifolia*	Apocynaceae	Native	Common	Tree	34908.41	22399.42	1	18
Holland Plain (Sites IV and V)	2021-10-21	HE0715	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	34922.43	22388.58	2.2	18
Holland Plain (Sites IV and V)	2021-10-21	HE0716	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	34912.58	22386.62	1	16
Holland Plain (Sites IV and V)	2021-10-21	HE0717	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	34916.8	22376.69	1	18
Holland Plain (Sites IV and V)	2021-10-21	HE0718	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	34918.5	22377.66	1.3	18
Holland Plain (Sites IV and V)	2021-10-21	HE0719	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	34918.78	22373.96	1	10
Holland Plain (Sites IV and V)	2021-10-21	HE0720	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	34921.08	22374.58	1	18
Holland Plain (Sites IV and V)	2021-10-21	HE0721	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	34934.47	22379.74	2	16
Holland Plain (Sites IV and V)	2021-10-21	HE0722	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	34936.54	22392.29	1.2	14
Holland Plain (Sites IV and V)	2021-10-21	HE0723	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	34925.56	22393.01	1	14
Holland Plain (Sites IV and V)	2021-10-21	HE0724	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	34921.95	22396.25	1.8	16
Holland Plain (Sites IV and V)	2021-10-21	HE0725	*Casuarina equisetifolia*	Casuarinaceae	Native	Common	Tree	34915.96	22401.96	1.6	20
Holland Plain (Sites IV and V)	2021-10-21	HE0726	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	34921.7	22404.41	1	16
Holland Plain (Sites IV and V)	2021-10-21	HE0727	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	34940.04	22377.27	1.5	18
Holland Plain (Sites IV and V)	2021-10-21	HE0728	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	34946.05	22370.82	1	16

Holland Plain (Sites IV and V)	2021-10-21	HE0729	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	34945.11	22367.97	1	19
Holland Plain (Sites IV and V)	2021-10-21	HE0730	*Syzygium lineatum*	Myrtaceae	Native	Common	Tree	34945.23	22371.35	1.1	14
Holland Plain (Sites IV and V)	2021-10-21	HE0731	*Morella esculenta*	Myricaceae	Native	Common	Tree	34946.44	22366.47	0.8	10
Holland Plain (Sites IV and V)	2021-10-21	HE0732	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	34943.49	22365.08	1.3	8
Holland Plain (Sites IV and V)	2021-10-21	HE0733	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	34944.41	22358.38	1.7	14
Holland Plain (Sites IV and V)	2021-10-21	HE0734	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	34945.31	22356.02	1.6	18
Holland Plain (Sites IV and V)	2021-10-21	HE0735	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	34958.08	22355.96	1.3	12
Holland Plain (Sites IV and V)	2021-10-21	HE0736	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	34953.44	22352.47	1.1	18
Holland Plain (Sites IV and V)	2021-10-21	HE0737	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	34950.31	22346.34	1.2	20
Holland Plain (Sites IV and V)	2021-10-21	HE0738	*Adinandra dumosa*	Pentaphylacace	Native	Common	Tree	34942.57	22349.44	1	16
Holland Plain (Sites IV and V)	2021-10-21	HE0739	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	34943.13	22340.49	1	20
Holland Plain (Sites IV and V)	2021-10-21	HE0740	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	34941.25	22339.75	2.8	20
Holland Plain (Sites IV and V)	2021-10-21	HE0741	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	34936.86	22336.15	1	20
Holland Plain (Sites IV and V)	2021-10-21	HE0742	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	34937.45	22337.98	1.4	20
Holland Plain (Sites IV and V)	2021-10-25	HE0743	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	34934.63	22359.55	1	10
Holland Plain (Sites IV and V)	2021-10-25	HE0744	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	34934.89	22354.95	1.1	14
Holland Plain (Sites IV and V)	2021-10-25	HE0745	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	34958.29	22343.44	1.1	16
Holland Plain (Sites IV and V)	2021-10-25	HE0746	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	34956.04	22346.11	1.3	16
Holland Plain (Sites IV and V)	2021-10-25	HE0747	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	34963.4	22341.49	1.8	16
Holland Plain (Sites IV and V)	2021-10-25	HE0748	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	34957.86	22339.57	1	16
Holland Plain (Sites IV and V)	2021-10-25	HE0749	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	34959.66	22337.6	1	14
Holland Plain (Sites IV and V)	2021-10-25	HE0750	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	34948.18	22330.18	1.1	16
Holland Plain (Sites IV and V)	2021-10-25	HE0751	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	34946.44	22332.03	2.4	18
Holland Plain (Sites IV and V)	2021-10-25	HE0752	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	34944.8	22327.29	1.5	16
Holland Plain (Sites IV and V)	2021-10-25	HE0753	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	34945.19	22328.5	2	18
Holland Plain (Sites IV and V)	2021-10-25	HE0754	*Macaranga conifera*	Euphorbiaceae	Native	Common	Tree	34948.97	22321.87	1.2	16
Holland Plain (Sites IV and V)	2021-10-25	HE0755	*Alstonia angustifolia*	Apocynaceae	Native	Common	Tree	34953.5	22318.58	1	14
Holland Plain (Sites IV and V)	2021-10-25	HE0756	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	34964.87	22324.82	1	16
Holland Plain (Sites IV and V)	2021-10-25	HE0757	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	34965.36	22324.86	1.1	16
Holland Plain (Sites IV and V)	2021-10-25	HE0758	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	34969.37	22322.83	1.4	18
Holland Plain (Sites IV and V)	2021-10-25	HE0759	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	34981.1	22310.01	1.8	4

Holland Plain (Sites IV and V)	2021-10-25	HE0760	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	34982.3	22305.75	2.5	5
Holland Plain (Sites IV and V)	2021-10-25	HE0761	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	34985.66	22301.27	2.5	7
Holland Plain (Sites IV and V)	2021-10-25	HE0762	*Syzygium grande*	Myrtaceae	Native	Common	Tree	34951.84	22307.77	1.7	20
Holland Plain (Sites IV and V)	2021-10-25	HE0763	*Cyrtophyllum fragrans*	Gentianaceae	Native	Common	Tree	34957.72	22303.4	1	16
Holland Plain (Sites IV and V)	2021-10-25	HE0764	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	34957.87	22298.97	2.5	10
Holland Plain (Sites IV and V)	2021-10-25	HE0765	*Syzygium grande*	Myrtaceae	Native	Common	Tree	34963.77	22300.59	1.2	16
Holland Plain (Sites IV and V)	2021-10-25	HE0766	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	34957.81	22298.24	2.5	5
Holland Plain (Sites IV and V)	2021-10-25	HE0767	*Ficus variegata*	Moraceae	Native	Common	Tree	34859.72	22290.48	1	12
Holland Plain (Sites IV and V)	2021-10-25	HE0768	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34851.18	22292.47	1.8	30
Holland Plain (Sites IV and V)	2021-10-25	HE0769	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34844.19	22293.84	1.8	30
Holland Plain (Sites IV and V)	2021-10-25	HE0770	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34838.61	22289.06	2.5	30
Holland Plain (Sites IV and V)	2021-10-25	HE0771	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34836.37	22293.33	1.1	20
Holland Plain (Sites IV and V)	2021-10-25	HE0772	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34830.45	22293.96	1.2	20
Holland Plain (Sites IV and V)	2021-10-25	HE0773	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34834.48	22285.61	1.8	30
Holland Plain (Sites IV and V)	2021-10-25	HE0774	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34836.91	22285.65	2.2	30
Holland Plain (Sites IV and V)	2021-10-25	HE0775	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	34824.16	22295.3	1.1	12
Holland Plain (Sites IV and V)	2021-10-25	HE0776	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	34821.04	22294.08	1.2	12
Holland Plain (Sites IV and V)	2021-10-25	HE0777	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34804.8	22283.22	2.6	30
Holland Plain (Sites IV and V)	2021-10-25	HE0778	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	34802.01	22286.15	1.3	10
Holland Plain (Sites IV and V)	2021-10-25	HE0779	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	34799.89	22289.47	1.1	10
Holland Plain (Sites IV and V)	2021-10-25	HE0780	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	34794.84	22289.65	1.2	10
Holland Plain (Sites IV and V)	2021-10-25	HE0781	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34791.55	22282.24	1.3	30
Holland Plain (Sites IV and V)	2021-10-25	HE0782	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34789.82	22282.23	1.6	30
Holland Plain (Sites IV and V)	2021-10-26	HE0183	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34690.77	22280.06	2.1	25
Holland Plain (Sites IV and V)	2021-10-26	HE0783	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34778	22286.25	2.4	18
Holland Plain (Sites IV and V)	2021-10-26	HE0784	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34776.82	22284.9	1	18
Holland Plain (Sites IV and V)	2021-10-26	HE0785	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34772.4	22282.18	2	20
Holland Plain (Sites IV and V)	2021-10-26	HE0786	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34773.68	22273.77	1.2	15
Holland Plain (Sites IV and V)	2021-10-26	HE0787	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34763.76	22278.11	2	22
Holland Plain (Sites IV and V)	2021-10-26	HE0788	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34763.88	22278.58	2	20
Holland Plain (Sites IV and V)	2021-10-26	HE0789	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34763.85	22284.87	1.4	20

Holland Plain (Sites IV and V)	2021-10-26	HE0790	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34772.93	22277.23	1.3	20
Holland Plain (Sites IV and V)	2021-10-26	HE0791	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	34755.34	22276.37	3	10
Holland Plain (Sites IV and V)	2021-10-26	HE0792	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34752.83	22274.44	1.3	20
Holland Plain (Sites IV and V)	2021-10-26	HE0793	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34748.48	22279.56	1.5	20
Holland Plain (Sites IV and V)	2021-10-26	HE0794	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	34744.74	22278.02	2	10
Holland Plain (Sites IV and V)	2021-10-26	HE0795	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34744.88	22276.52	2.2	20
Holland Plain (Sites IV and V)	2021-10-26	HE0796	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34749.28	22273.73	2	22
Holland Plain (Sites IV and V)	2021-10-26	HE0797	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34738.39	22284.22	2	20
Holland Plain (Sites IV and V)	2021-10-26	HE0798	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34732.58	22282.09	2	20
Holland Plain (Sites IV and V)	2021-10-26	HE0799	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34732.07	22277.11	1.8	22
Holland Plain (Sites IV and V)	2021-10-26	HE0800	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	34726.37	22279.5	2.5	10
Holland Plain (Sites IV and V)	2021-10-26	HE0801	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34729.47	22279.57	2.2	25
Holland Plain (Sites IV and V)	2021-10-26	HE0802	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34722.98	22279.82	1.2	20
Holland Plain (Sites IV and V)	2021-10-26	HE0803	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34719.77	22275.97	2.4	22
Holland Plain (Sites IV and V)	2021-10-26	HE0804	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34722.18	22273.95	2	22
Holland Plain (Sites IV and V)	2021-10-26	HE0805	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34725.56	22274.11	1.3	20
Holland Plain (Sites IV and V)	2021-10-26	HE0806	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34713.84	22279.64	1.4	20
Holland Plain (Sites IV and V)	2021-10-26	HE0807	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34702.38	22278.21	2.2	25
Holland Plain (Sites IV and V)	2021-10-26	HE0808	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34703	22279.03	3.5	25
Holland Plain (Sites IV and V)	2021-10-26	HE0809	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34692.42	22286.04	1	22
Holland Plain (Sites IV and V)	2021-10-26	HE0810	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34694.45	22280.23	1.8	22
Holland Plain (Sites IV and V)	2021-10-26	HE0811	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	34697.34	22281.91	2	12
Holland Plain (Sites IV and V)	2021-10-26	HE0812	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34694.41	22284.64	1	20
Holland Plain (Sites IV and V)	2021-10-26	HE0814	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	34692.92	22281.68	2.2	10
Holland Plain (Sites IV and V)	2021-10-26	HE0815	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34682.8	22279.47	1.8	20
Holland Plain (Sites IV and V)	2021-10-26	HE0816	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34685.66	22284.69	1.8	22
Holland Plain (Sites IV and V)	2021-10-26	HE0817	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34681.85	22283.57	2	25
Holland Plain (Sites IV and V)	2021-10-26	HE0818	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34679.77	22277.39	1.1	20
Holland Plain (Sites IV and V)	2021-10-26	HE0819	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34677.06	22270.53	2.2	22
Holland Plain (Sites IV and V)	2021-10-26	HE0820	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34664.15	22276.61	2.1	18
Holland Plain (Sites IV and V)	2021-10-26	HE0821	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34663.16	22277	1	18

Holland Plain (Sites IV and V)	2021-10-26	HE0822	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34655.87	22271.75	3.4	25
Holland Plain (Sites IV and V)	2021-10-26	HE0823	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34661.17	22271.91	1.8	22
Holland Plain (Sites IV and V)	2021-10-26	HE0824	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34647.57	22272.97	1.5	22
Holland Plain (Sites IV and V)	2021-10-26	HE0825	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34649.74	22271.53	1.4	20
Holland Plain (Sites IV and V)	2021-10-26	HE0826	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34649.85	22270.15	1.4	22
Holland Plain (Sites IV and V)	2021-10-26	HE0827	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34638.3	22279.25	2.2	22
Holland Plain (Sites IV and V)	2021-10-26	HE0828	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34641.05	22278.79	1.1	20
Holland Plain (Sites IV and V)	2021-10-26	HE0829	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34642.25	22276.99	2.8	22
Holland Plain (Sites IV and V)	2021-10-27	HE0830	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34648.75	22278.66	1	18
Holland Plain (Sites IV and V)	2021-10-27	HE0831	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34635.29	22276.8	2	25
Holland Plain (Sites IV and V)	2021-10-27	HE0832	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34641.99	22273.77	1.4	25
Holland Plain (Sites IV and V)	2021-10-27	HE0833	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34632.1	22274.7	1.1	22
Holland Plain (Sites IV and V)	2021-10-27	HE0834	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	34634.88	22284.63	2.5	10
Holland Plain (Sites IV and V)	2021-10-27	HE0835	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34627.91	22274.03	1.3	22
Holland Plain (Sites IV and V)	2021-10-27	HE0836	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34631.29	22279.43	1	25
Holland Plain (Sites IV and V)	2021-10-27	HE0837	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34625.04	22280.57	2.2	25
Holland Plain (Sites IV and V)	2021-10-27	HE0838	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34623.63	22280.12	1.2	20
Holland Plain (Sites IV and V)	2021-10-27	HE0839	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34624.72	22278.35	1.5	22
Holland Plain (Sites IV and V)	2021-10-27	HE0840	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	34623.95	22281.86	2.5	10
Holland Plain (Sites IV and V)	2021-10-27	HE0841	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34620.68	22278.33	1.1	20
Holland Plain (Sites IV and V)	2021-10-27	HE0842	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34618.56	22276.67	1.4	22
Holland Plain (Sites IV and V)	2021-10-27	HE0843	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34627.53	22275.96	1.6	25
Holland Plain (Sites IV and V)	2021-10-27	HE0844	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34624.54	22272.46	1	25
Holland Plain (Sites IV and V)	2021-10-27	HE0845	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34622.3	22276.37	1	25
Holland Plain (Sites IV and V)	2021-10-27	HE0846	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34608.21	22284.78	1.8	25
Holland Plain (Sites IV and V)	2021-10-27	HE0847	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34609.19	22285.35	1.5	18
Holland Plain (Sites IV and V)	2021-10-27	HE0848	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34610.37	22289.84	1.1	18
Holland Plain (Sites IV and V)	2021-10-27	HE0849	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34596.23	22278.45	1.1	25
Holland Plain (Sites IV and V)	2021-10-27	HE0850	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34600.44	22279.39	3.4	25
Holland Plain (Sites IV and V)	2021-10-27	HE0851	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34600.24	22276.45	1.8	22
Holland Plain (Sites IV and V)	2021-10-27	HE0852	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34594.11	22278.32	1.1	20

Holland Plain (Sites IV and V)	2021-10-27	HE0853	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34593.03	22283.44	1.2	20
Holland Plain (Sites IV and V)	2021-10-27	HE0854	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34585.33	22280.41	2.2	25
Holland Plain (Sites IV and V)	2021-10-27	HE0855	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34581	22280.17	1.1	18
Holland Plain (Sites IV and V)	2021-10-27	HE0856	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34590.83	22280.23	1.8	25
Holland Plain (Sites IV and V)	2021-10-27	HE0857	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34583.3	22286.61	1.6	22
Holland Plain (Sites IV and V)	2021-10-27	HE0858	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34588.08	22292.03	1.2	22
Holland Plain (Sites IV and V)	2021-10-27	HE0859	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34591.92	22288.46	1	25
Holland Plain (Sites IV and V)	2021-10-27	HE0860	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34590.53	22283.21	1.2	20
Holland Plain (Sites IV and V)	2021-10-27	HE0861	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34596.61	22293.23	1.1	18
Holland Plain (Sites IV and V)	2021-10-27	HE0862	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34595.06	22294.56	2	25
Holland Plain (Sites IV and V)	2021-10-27	HE0863	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34593.29	22292	1.6	25
Holland Plain (Sites IV and V)	2021-10-27	HE0864	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34594.4	22292.12	1.1	20
Holland Plain (Sites IV and V)	2021-10-27	HE0865	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	34581.68	22298.46	1.2	15
Holland Plain (Sites IV and V)	2021-10-27	HE0866	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34584.23	22299.35	1.2	18
Holland Plain (Sites IV and V)	2021-10-27	HE0867	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34572.4	22278.98	1.1	20
Holland Plain (Sites IV and V)	2021-10-27	HE0868	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34572.4	22278.43	1.2	20
Holland Plain (Sites IV and V)	2021-10-27	HE0869	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	34572.94	22280.54	2	10
Holland Plain (Sites IV and V)	2021-10-27	HE0870	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34566.98	22281.21	1.3	25
Holland Plain (Sites IV and V)	2021-10-27	HE0871	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34570.63	22278.87	1	25
Holland Plain (Sites IV and V)	2021-10-27	HE0872	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34570.18	22282.43	1.2	25
Holland Plain (Sites IV and V)	2021-10-27	HE0873	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34572.39	22287.55	2	25
Holland Plain (Sites IV and V)	2021-10-27	HE0874	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	34558.55	22292.43	2.5	8
Holland Plain (Sites IV and V)	2021-10-27	HE0875	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34572.73	22279.5	2	25
Holland Plain (Sites IV and V)	2021-10-27	HE0876	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34563.38	22284.98	1	22
Holland Plain (Sites IV and V)	2021-10-27	HE0877	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34567.26	22287.49	1.7	25
Holland Plain (Sites IV and V)	2021-10-27	HE0878	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34560.63	22283.39	1	20
Holland Plain (Sites IV and V)	2021-10-27	HE0879	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34560.97	22277.69	1.1	22
Holland Plain (Sites IV and V)	2021-10-27	HE0880	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34560.52	22287.56	2	25
Holland Plain (Sites IV and V)	2021-10-27	HE0881	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34556.64	22297.79	1.2	25
Holland Plain (Sites IV and V)	2021-10-27	HE0882	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34551.82	22283.38	2	25
Holland Plain (Sites IV and V)	2021-10-27	HE0883	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34550.23	22280.37	2.2	18

Holland Plain (Sites IV and V)	2021-10-27	HE0884	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34547.1	22279.92	1.6	25
Holland Plain (Sites IV and V)	2021-10-27	HE0885	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34544.63	22285.74	2	25
Holland Plain (Sites IV and V)	2021-10-27	HE0886	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34543.94	22292.73	2	25
Holland Plain (Sites IV and V)	2021-10-27	HE0887	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34549.32	22296.32	1.3	22
Holland Plain (Sites IV and V)	2021-10-27	HE0888	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34577.72	22306.77	1.1	20
Holland Plain (Sites IV and V)	2021-10-27	HE0889	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34570.99	22309.24	2.4	25
Holland Plain (Sites IV and V)	2021-10-27	HE0890	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34571.14	22313.16	1.2	20
Holland Plain (Sites IV and V)	2021-10-27	HE0891	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34573.69	22312.02	1.4	20
Holland Plain (Sites IV and V)	2021-10-27	HE0892	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34570.9	22315.22	1.8	25
Holland Plain (Sites IV and V)	2021-10-27	HE0893	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34573.75	22322.41	1	18
Holland Plain (Sites IV and V)	2021-10-27	HE0894	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34566.11	22316.63	1.2	25
Holland Plain (Sites IV and V)	2021-10-27	HE0895	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34558.22	22318.99	2	22
Holland Plain (Sites IV and V)	2021-10-27	HE0896	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34561.08	22321.83	1.1	22
Holland Plain (Sites IV and V)	2021-10-27	HE0897	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34563.07	22319.43	1.8	22
Holland Plain (Sites IV and V)	2021-10-27	HE0898	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34563.4	22323.71	1.1	20
Holland Plain (Sites IV and V)	2021-10-27	HE0899	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34560.99	22325.6	1.8	22
Holland Plain (Sites IV and V)	2021-10-27	HE0900	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34553.36	22327.86	1.2	18
Holland Plain (Sites IV and V)	2021-10-28	HE0901	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34579.33	22301.835	2.2	30
Holland Plain (Sites IV and V)	2021-10-28	HE0902	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34561.77	22302.841	1.6	25
Holland Plain (Sites IV and V)	2021-10-28	HE0903	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34560.63	22314.167	1.2	25
Holland Plain (Sites IV and V)	2021-10-28	HE0904	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34554.21	22318.073	1.1	30
Holland Plain (Sites IV and V)	2021-10-28	HE0905	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34551.47	22310.479	1.8	30
Holland Plain (Sites IV and V)	2021-10-28	HE0906	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	35009.72	22245.83	2	8
Holland Plain (Sites IV and V)	2021-10-28	HE0907	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	34996.64	22249.607	2	9
Holland Plain (Sites IV and V)	2021-10-28	HE0908	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	35009.67	22256.939	2.5	9
Holland Plain (Sites IV and V)	2021-10-28	HE0909	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	35001.17	22256.93	2	9
Holland Plain (Sites IV and V)	2021-10-28	HE0910	*Claoxylon indicum*	Euphorbiaceae	Native	Common	Tree	34993.28	22259.939	1	9
Holland Plain (Sites IV and V)	2021-10-28	HE0911	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34993.32	22253.651	2	30
Holland Plain (Sites IV and V)	2021-10-28	HE0912	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34994.17	22253.367	1.1	12
Holland Plain (Sites IV and V)	2021-10-28	HE0913	*Nephelium lappaceum*	Sapindaceae	Native	Critically En	Tree	35023.12	22251.856	1.1	15
Holland Plain (Sites IV and V)	2021-10-28	HE0914	*Nephelium lappaceum*	Sapindaceae	Native	Critically En	Tree	35023.4	22252.876	1	12

Holland Plain (Sites IV and V)	2021-10-28	HE0915	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35026.5	22249.573	2.2	30
Holland Plain (Sites IV and V)	2021-10-28	HE0916	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35028.07	22250.375	2	30
Holland Plain (Sites IV and V)	2021-10-28	HE0917	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	35029.68	22249.897	2	12
Holland Plain (Sites IV and V)	2021-10-28	HE0918	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	35032.75	22251.929	2.5	12
Holland Plain (Sites IV and V)	2021-10-28	HE0919	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	35039.63	22251.62	3	12
Holland Plain (Sites IV and V)	2021-10-28	HE0920	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	35038.49	22249.779	2	12
Holland Plain (Sites IV and V)	2021-10-28	HE0921	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	35041.91	22246.594	2.5	12
Holland Plain (Sites IV and V)	2021-10-28	HE0922	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	35041.98	22248.141	3	9
Holland Plain (Sites IV and V)	2021-10-28	HE0923	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	35049.01	22250.484	2.5	8
Holland Plain (Sites IV and V)	2021-10-28	HE0924	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	35050.65	22246.614	3	9
Holland Plain (Sites IV and V)	2021-10-28	HE0925	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	35045.09	22243.464	1.3	15
Holland Plain (Sites IV and V)	2021-10-28	HE0926	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	35050.99	22243.483	2.5	7
Holland Plain (Sites IV and V)	2021-10-28	HE0927	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	35058.02	22246.457	3	7
Holland Plain (Sites IV and V)	2021-10-28	HE0928	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	35064.89	22246.509	3	9
Holland Plain (Sites IV and V)	2021-10-28	HE0929	*Macaranga hullettii*	Euphorbiaceae	Native	Critically En	Tree	35094.55	22247.632	0.4	5
Holland Plain (Sites IV and V)	2021-10-28	HE0930	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	35095.45	22245.542	2	6
Holland Plain (Sites IV and V)	2021-10-28	HE0931	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35109.62	22253.738	1.4	18
Holland Plain (Sites IV and V)	2021-10-28	HE0932	*Averrhoa carambola*	Oxalidaceae	Exotic	Casual	Tree	35113.42	22254.126	1.1	10
Holland Plain (Sites IV and V)	2021-10-28	HE0933	*Terminalia catappa*	Combretaceae	Native	Common	Tree	35120.69	22258.291	1.4	25
Holland Plain (Sites IV and V)	2021-10-28	HE0934	*Terminalia catappa*	Combretaceae	Native	Common	Tree	35096.6	22262.096	3.4	25
Holland Plain (Sites IV and V)	2021-10-28	HE0935	*Macaranga gigantea*	Euphorbiaceae	Native	Common	Tree	35063.43	22254.895	1.3	18
Holland Plain (Sites IV and V)	2021-10-28	HE0936	*Claoxylon indicum*	Euphorbiaceae	Native	Common	Tree	35056.03	22265.898	1.1	10
Holland Plain (Sites IV and V)	2021-10-28	HE0937	*Khaya nyasica*	Meliaceae	Exotic	Not assessed	Tree	35064.27	22275.156	1.4	18
Holland Plain (Sites IV and V)	2021-10-28	HE0938	*Khaya nyasica*	Meliaceae	Exotic	Not assessed	Tree	35064.07	22275.898	1.2	20
Holland Plain (Sites IV and V)	2021-10-28	HE0939	*Ficus variegata*	Moraceae	Native	Common	Tree	35054.26	22260.845	1.2	15
Holland Plain (Sites IV and V)	2021-10-28	HE0940	*Khaya nyasica*	Meliaceae	Exotic	Not assessed	Tree	35036.42	22269.044	1.6	20
Holland Plain (Sites IV and V)	2021-10-28	HE0941	*Khaya nyasica*	Meliaceae	Exotic	Not assessed	Tree	35029.78	22265.544	1.1	18
Holland Plain (Sites IV and V)	2021-10-28	HE1009	*Mangifera indica*	Anacardiaceae	Exotic	Casual	Tree	35022.92	22278.56	2.1	18
Holland Plain (Sites IV and V)	2021-10-28	HE1010	*Terminalia catappa*	Combretaceae	Native	Common	Tree	35114.43	22247.54	1.6	18
Holland Plain (Sites IV and V)	2021-10-28	HE1011	*Terminalia catappa*	Combretaceae	Native	Common	Tree	35116.66	22245.05	1.5	18
Holland Plain (Sites IV and V)	2021-10-28	HE1012	*Terminalia catappa*	Combretaceae	Native	Common	Tree	35121.69	22244.41	2.5	18

Holland Plain (Sites IV and V)	2021-10-28	HE1013	*Dimocarpus longan* ssp.	Sapindaceae	Exotic	Casual	Tree	35138.56	22248.8	1.1	15
Holland Plain (Sites IV and V)	2021-10-28	HE1014	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35135.89	22247.3	1.2	16
Holland Plain (Sites IV and V)	2021-10-28	HE1015	*Terminalia catappa*	Combretaceae	Native	Common	Tree	35138.15	22243.96	1.5	16
Holland Plain (Sites IV and V)	2021-10-28	HE1016	*Terminalia catappa*	Combretaceae	Native	Common	Tree	35139.12	22249.39	1.2	14
Holland Plain (Sites IV and V)	2021-10-28	HE1017	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35134.45	22246.48	1.5	17
Holland Plain (Sites IV and V)	2021-10-28	HE1018	*Terminalia catappa*	Combretaceae	Native	Common	Tree	35144.51	22244.31	2.1	15
Holland Plain (Sites IV and V)	2021-10-28	HE1019	*Ficus variegata*	Moraceae	Native	Common	Tree	35156.51	22250.7	1.3	9
Holland Plain (Sites IV and V)	2021-10-28	HE1020	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35160.52	22254.44	1.2	9
Holland Plain (Sites IV and V)	2021-10-28	HE1021	*Dimocarpus longan*	Sapindaceae	Exotic	Casual	Tree	35171.8	22253.66	1.1	13
Holland Plain (Sites IV and V)	2021-10-28	HE1022	*Terminalia catappa*	Combretaceae	Native	Common	Tree	35172.57	22262.78	1.7	16
Holland Plain (Sites IV and V)	2021-10-28	HE1023	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35170.31	22277.68	1.3	20
Holland Plain (Sites IV and V)	2021-10-28	HE1024	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35168.98	22271.89	2.4	20
Holland Plain (Sites IV and V)	2021-10-28	HE1025	*Terminalia catappa*	Combretaceae	Native	Common	Tree	35181.29	22279.11	1.5	16
Holland Plain (Sites IV and V)	2021-10-28	HE1026	*Terminalia catappa*	Combretaceae	Native	Common	Tree	35191.46	22281.69	1.6	20
Holland Plain (Sites IV and V)	2021-10-28	HE1027	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	35196.57	22286.48	1.7	8
Holland Plain (Sites IV and V)	2021-10-28	HE1028	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35194.14	22289.79	3	20
Holland Plain (Sites IV and V)	2021-10-28	HE1029	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35193.28	22287.43	2	18
Holland Plain (Sites IV and V)	2021-10-28	HE1030	*Terminalia catappa*	Combretaceae	Native	Common	Tree	35201.28	22296.84	1.2	17
Holland Plain (Sites IV and V)	2021-10-28	HE1031	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35200.48	22288.71	3	25
Holland Plain (Sites IV and V)	2021-10-28	HE1032	*Terminalia catappa*	Combretaceae	Native	Common	Tree	35199.62	22295.1	1.1	9
Holland Plain (Sites IV and V)	2021-10-28	HE1033	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35218.83	22301.41	1.5	16
Holland Plain (Sites IV and V)	2021-10-28	HE1034	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35216.93	22303.25	2	16
Holland Plain (Sites IV and V)	2021-10-28	HE1035	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35225.62	22303.46	1.7	14
Holland Plain (Sites IV and V)	2021-10-28	HE1036	*Ficus variegata*	Moraceae	Native	Common	Tree	35228.11	22311.75	1	10
Holland Plain (Sites IV and V)	2021-10-28	HE1037	*Ficus variegata*	Moraceae	Native	Common	Tree	35229.37	22312.95	1.1	12
Holland Plain (Sites IV and V)	2021-10-28	HE1038	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35230.88	22311	1	8
Holland Plain (Sites IV and V)	2021-10-28	HE1039	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35224.47	22294.8	1.1	14
Holland Plain (Sites IV and V)	2021-10-28	HE1040	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	35029.35	22261.01	2.5	6
Holland Plain (Sites IV and V)	2021-10-28	HE1041	*Terminalia catappa*	Combretaceae	Native	Common	Tree	35029.69	22264.74	1.3	15
Holland Plain (Sites IV and V)	2021-11-01	HE0942	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34559.38	22322.709	1.3	25
Holland Plain (Sites IV and V)	2021-11-01	HE0943	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34555.57	22325.033	1	20

Holland Plain (Sites IV and V)	2021-11-01	HE0944	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34556.56	22327.975	1.3	25
Holland Plain (Sites IV and V)	2021-11-01	HE0945	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34551.9	22327.053	1.8	25
Holland Plain (Sites IV and V)	2021-11-01	HE0946	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34548.12	22322.444	2	25
Holland Plain (Sites IV and V)	2021-11-01	HE0947	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34540.18	22319.436	1.4	25
Holland Plain (Sites IV and V)	2021-11-01	HE0948	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34543.88	22313.483	1	25
Holland Plain (Sites IV and V)	2021-11-01	HE0949	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34545.09	22311.577	2.2	25
Holland Plain (Sites IV and V)	2021-11-01	HE0950	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34545.74	22307.162	1	15
Holland Plain (Sites IV and V)	2021-11-01	HE0951	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34544.45	22305.276	1.7	25
Holland Plain (Sites IV and V)	2021-11-01	HE0952	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	34541.58	22303.793	2	7
Holland Plain (Sites IV and V)	2021-11-01	HE0953	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34537.08	22301.064	1.8	25
Holland Plain (Sites IV and V)	2021-11-01	HE0954	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34532.78	22297.83	1.2	25
Holland Plain (Sites IV and V)	2021-11-01	HE0955	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34532.62	22295.063	1.8	25
Holland Plain (Sites IV and V)	2021-11-01	HE0956	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	34537.02	22286.791	1.8	25
Holland Plain (Sites IV and V)	2021-11-01	HE0957	*Commersonia bartramia*	Malvaceae	Native	Common	Tree	35107.74	22292.883	1	9
Holland Plain (Sites IV and V)	2021-11-01	HE0958	*Terminalia catappa*	Combretaceae	Native	Common	Tree	35111.91	22298.287	1.2	15
Holland Plain (Sites IV and V)	2021-11-01	HE0959	*Pentaspadon motleyi*	Anacardiaceae	Exotic	Cultivated Or	Tree	35118.99	22311.156	1.2	15
Holland Plain (Sites IV and V)	2021-11-01	HE0960	*Pentaspadon motleyi*	Anacardiaceae	Exotic	Cultivated Or	Tree	35131.42	22320.436	1.3	15
Holland Plain (Sites IV and V)	2021-11-01	HE0961	*Pentaspadon motleyi*	Anacardiaceae	Exotic	Cultivated Or	Tree	35168.1	22342.869	1.5	18
Holland Plain (Sites IV and V)	2021-11-01	HE0962	*Pentaspadon motleyi*	Anacardiaceae	Exotic	Cultivated Or	Tree	35170.11	22345.924	1.5	18
Holland Plain (Sites IV and V)	2021-11-01	HE0963	*Pentaspadon motleyi*	Anacardiaceae	Exotic	Cultivated Or	Tree	35180.6	22349.618	1.1	15
Holland Plain (Sites IV and V)	2021-11-01	HE0964	*Pentaspadon motleyi*	Anacardiaceae	Exotic	Cultivated Or	Tree	35184.77	22351.544	1.2	18
Holland Plain (Sites IV and V)	2021-11-01	HE0965	*Pentaspadon motleyi*	Anacardiaceae	Exotic	Cultivated Or	Tree	35178.46	22350.987	1	18
Holland Plain (Sites IV and V)	2021-11-01	HE0966	*Pentaspadon motleyi*	Anacardiaceae	Exotic	Cultivated Or	Tree	35191.46	22357	1.7	18
Holland Plain (Sites IV and V)	2021-11-01	HE0967	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35200.96	22347.987	3.3	20
Holland Plain (Sites IV and V)	2021-11-02	HE0968	*Nephelium lappaceum*	Sapindaceae	Native	Critically En	Tree	35096.83	22261.21	1.2	12
Holland Plain (Sites IV and V)	2021-11-02	HE0969	*Elaeis guineensis*	Arecaceae	Exotic	Cultivated Or	Tree	35121.83	22256.39	3	12
Holland Plain (Sites IV and V)	2021-11-02	HE0970	*Ficus variegata*	Moraceae	Native	Common	Tree	35135.39	22270.33	1.4	12
Holland Plain (Sites IV and V)	2021-11-02	HE0971	*Claoxylon indicum*	Euphorbiaceae	Native	Common	Tree	35136.14	22268.73	1.2	8
Holland Plain (Sites IV and V)	2021-11-02	HE0972	*Falcataria moluccana*	Fabaceae	Exotic	Naturalised	Tree	35155.48	22266.52	4.2	25
Holland Plain (Sites IV and V)	2021-11-02	HE0973	*Casuarina equisetifolia*	Casuarinaceae	Native	Common	Tree	35154.45	22274.75	2.4	25
Holland Plain (Sites IV and V)	2021-11-02	HE0974	*Terminalia catappa*	Combretaceae	Native	Common	Tree	35149.19	22270.6	1.5	20

Holland Plain (Sites IV and V)	2021-11-02	HE0975	*Terminalia catappa*	Combretaceae	Native	Common	Tree	35153.51	22252.58	1.5	20
Holland Plain (Sites IV and V)	2021-11-02	HE0976	*Syzygium grande*	Myrtaceae	Native	Common	Tree	35279.89	22318.27	1	15
Holland Plain (Sites IV and V)	2021-11-02	HE0976A	*Nephelium lappaceum*	Sapindaceae	Native	Critically En	Tree	35272.54	22313.82	1.1	18
Holland Plain (Sites IV and V)	2021-11-02	HE0977	*Mangifera foetida*	Anacardiaceae	Native	Vulnerable	Tree	35296.1	22335.08	3.1	22
Holland Plain (Sites IV and V)	2021-11-02	HE0978	*Nephelium lappaceum*	Sapindaceae	Native	Critically En	Tree	35295.8	22338.64	1.6	15
Holland Plain (Sites IV and V)	2021-11-02	HE0979	*Spathodea campanulata*	Bignoniaceae	Exotic	Naturalised	Tree	35288.91	22351.86	1.4	7
Holland Plain (Sites IV and V)	2021-11-02	HE0980	*Adenanthera pavonina*	Fabaceae	Exotic	Naturalised	Tree	35285.84	22355.41	2.1	18
Holland Plain (Sites IV and V)	2021-11-02	HE0981	*Nephelium lappaceum*	Sapindaceae	Native	Critically En	Tree	35285.07	22353.92	1	18
Holland Plain (Sites IV and V)	2021-11-02	HE0982	*Cinnamomum iners*	Lauraceae	Native	Common	Tree	35283.99	22367.07	2.5	16
Holland Plain (Sites IV and V)	2021-11-02	HE0983	*Terminalia catappa*	Combretaceae	Native	Common	Tree	35269.86	22345.07	1.8	20
Holland Plain (Sites IV and V)	2021-11-02	HE0983A	*Litsea firma*	Lauraceae	Native	Vulnerable	Tree	35220.57	22344.46	1.1	18

Appendix H1

List of Probable Recorded Fauna Species at Turf City (Sites I, II and III)

Faunal group	Total no. of probable species		Total no. of recorded species		Total no. of recorded species not on probable list (CS species)
	All species	CS species	All species	CS species	
Aculeate hymenopterans	92	0	19	0	0
Bees	45	0	10	0	0
Stinging wasps	47	0	9	0	0
Odonates	67	12	23	0	0
Dragonflies	45	3	17	0	0
Damselflies	22	9	6	0	0
Butterflies	171	14	38	3	0
Freshwater decapod crustaceans	2	0	0	0	0
Freshwater fish	13	0	7	0	0
Herpetofauna	51	2	20	0	0
Amphibians	35	0	9	0	0
Reptiles	33	2	11	0	0
Birds	166	24	71	9	1 (0)
Mammals	27	5	19	3	1 (0)
Non-volant Mammals	17	2	10	2	0
Bats	10	3	9	1	1 (0)
Total	**589**	**57**	**197**	**15**	**2 (0)**

S/N	Type	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Ascher et al. (in prep); JXQ Lee, pers comm)	Species of conservation significance	Native status (The Biodiversity of Singapore, 2021; JXQ Lee, pers comm)	Probable species	Recorded species	Remarks
1	Bee	Apidae	*Amegilla andrewsi*	Andrew's blue-banded digger bee	Not Assessed	Least Concern	No	Native	Yes	Yes	
2	Bee	Apidae	*Apis andreniformis*	NA	Not Assessed	Least Concern	No	Native	Yes	Yes	
3	Bee	Apidae	*Apis cerana*	Eastern honey bee	Not Assessed	Least Concern	No	Native	Yes	Yes	
4	Bee	Apidae	*Apis dorsata*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
5	Bee	Apidae	*Braunsapis clarihirta*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
6	Bee	Apidae	*Braunsapis cupulifera**	NA	Not Assessed	Least Concern	No	Native	Yes	No	
7	Bee	Apidae	*Braunsapis hewitti**	NA	Not Assessed	Least Concern	No	Native	Yes	No	
8	Bee	Apidae	*Braunsapis puangensis*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
9	Bee	Apidae	*Ceratina collusor*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
10	Bee	Apidae	*Ceratina dentipes*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
11	Bee	Apidae	*Ceratina lieftincki*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
12	Bee	Apidae	*Ceratina negrolateralis*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
13	Bee	Apidae	*Ceratina perforatrix*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
14	Bee	Apidae	*Ceratina smaragdula*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
15	Bee	Apidae	*Ceratina unimaculata*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
16	Bee	Apidae	*Heterotrigona itama*	Malaysian stingless bee	Not Assessed	Least Concern	No	Native	Yes	No	
17	Bee	Apidae	*Tetragonula valdezi*	NA	Not Assessed	Least Concern	No	Native	Yes	Yes	Nest observed
18	Bee	Apidae	*Thyreus ceylonicus*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
19	Bee	Apidae	*Thyreus himalayensis*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
20	Bee	Apidae	*Xylocopa aestuans*	White-cheeked carpenter bee	Not Assessed	Least Concern	No	Native	Yes	No	
21	Bee	Apidae	Xylocopa caerulea	NA	Not Assessed	Least Concern	No	Native	Yes	No	
22	Bee	Apidae	*Xylocopa flavonigrescens*	NA	Not Assessed	Least Concern	No	Native	Yes	Yes	
23	Bee	Apidae	*Xylocopa latipes*	Broad-handed carpenter bee	Not Assessed	Least Concern	No	Native	Yes	Yes	
24	Bee	Apidae	*Xylocopa myops*	NA	Not Assessed	Data Deficient	No	Native	Yes	No	
25	Bee	Colletidae	*Hylaeus penangensis*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
26	Bee	Halictidae	*Lasioglossum adonidiae*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
27	Bee	Halictidae	*Lasioglossum albescens*	NA	Not Assessed	Least Concern	No	Native	Yes	Yes	
28	Bee	Halictidae	*Lasioglossum deliense*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
29	Bee	Halictidae	*Lasioglossum vagans*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
30	Bee	Halictidae	*Lipotriches ceratina*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
31	Bee	Halictidae	*Nomia fuscipennis*	NA	Not Assessed	Least Concern	No	Native	Yes	Yes	
32	Bee	Halictidae	*Nomia incerta*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
33	Bee	Halictidae	*Nomia iridescens*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
34	Bee	Halictidae	*Nomia sp. aff. apicalis*	NA	Not Assessed	Least Concern	No	Native	Yes	Yes	
35	Bee	Halictidae	*Nomia strigata*	Pearly-banded bee	Not Assessed	Least Concern	No	Native	Yes	Yes	
36	Bee	Halictidae	*Patellapis murbanus*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
37	Bee	Halictidae	*Pseudapis siamensis*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
38	Bee	Megachilidae	*Coelioxys confusus*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
39	Bee	Megachilidae	*Euaspis polynesia*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
40	Bee	Megachilidae	*Megachile conjuncta*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
41	Bee	Megachilidae	*Megachile disjuncta*	NA	Not Assessed	Least Concern	No	Non-native	Yes	No	
42	Bee	Megachilidae	*Megachile fulvipennis*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
43	Bee	Megachilidae	*Megachile laticeps*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
44	Bee	Megachilidae	*Megachile subrixator*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
45	Bee	Megachilidae	*Megachile umbripennis*	NA	Not Assessed	Least Concern	No	Non-native	Yes	No	
46	Stinging Wasp	Crabronidae	*Liris subtessellatus*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
47	Stinging Wasp	Crabronidae	*Tachytes cf. modestus*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
48	Stinging Wasp	Crabronidae	*Tachytes cf. trigonalis*	NA	Not Assessed	Least Concern	No	Native	Yes	No	

S/N	Type	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Ascher et al. (in prep); JXQ Lee, pers comm)	Species of conservation significance	Native status (The Biodiversity of Singapore, 2021; JXQ Lee, pers comm)	Probable species	Recorded species	Remarks
49	Stinging Wasp	Crabronidae	*Trypoxylon sp.*	NA	Not Assessed	Least Concern	No	Native	Yes	Yes	
50	Stinging Wasp	Pompilidae	*Auplopus sp.*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
51	Stinging Wasp	Pompilidae	*Paragenia argentifrons*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
52	Stinging Wasp	Pompilidae	*Tachypompilus analis*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
53	Stinging Wasp	Scoliidae	*Campsomeriella collaris*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
54	Stinging Wasp	Scoliidae	*Phalerimeris phalerata*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
55	Stinging Wasp	Sphecidae	*Chalybion bengalense*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
56	Stinging Wasp	Sphecidae	*Isodontia diodon*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
57	Stinging Wasp	Sphecidae	*Sceliphron javanum*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
58	Stinging Wasp	Sphecidae	*Sceliphron madraspatanum*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
59	Stinging Wasp	Sphecidae	*Sphex diabolicus*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
60	Stinging Wasp	Sphecidae	*Sphex sericeus*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
61	Stinging Wasp	Sphecidae	*Sphex subtruncatus*	NA	Not Assessed	Least Concern	No	Native	Yes	Yes	
62	Stinging Wasp	Vespidae	*Allorhynchium argentatum*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
63	Stinging Wasp	Vespidae	*Antepipona sp. nr. bipustulata*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
64	Stinging Wasp	Vespidae	*Delta campaniforme*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
65	Stinging Wasp	Vespidae	*Delta esuriens*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
66	Stinging Wasp	Vespidae	*Delta pyriforme*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
67	Stinging Wasp	Vespidae	*Elimus sp.*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
68	Stinging Wasp	Vespidae	*Eumenes sp.*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
69	Stinging Wasp	Vespidae	*Eustenogaster hauxwelli*	NA	Not Assessed	Near Threatened	No	Native	Yes	No	
70	Stinging Wasp	Vespidae	*Eustenogaster micans*	NA	Not Assessed	Near Threatened	No	Native	Yes	No	
71	Stinging Wasp	Vespidae	*Labus sp.*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
72	Stinging Wasp	Vespidae	*Liostenogaster nitidipennis*	NA	Not Assessed	Near Threatened	No	Native	Yes	No	
73	Stinging Wasp	Vespidae	*Liostenogaster varipicta*	NA	Not Assessed	Near Threatened	No	Native	Yes	Yes	
74	Stinging Wasp	Vespidae	*Parapolybia varia*	Lesser paper wasp	Not Assessed	Near Threatened	No	Native	Yes	No	
75	Stinging Wasp	Vespidae	*Parischnogaster mellyi*	NA	Not Assessed	Least Concern	No	Native	Yes	Yes	Nest observed
76	Stinging Wasp	Vespidae	*Parischnogaster nigricans*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
77	Stinging Wasp	Vespidae	*Phimenes flavopictus*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
78	Stinging Wasp	Vespidae	*Polistes meadeanus*	NA	Not Assessed	Near Threatened	No	Native	Yes	No	
79	Stinging Wasp	Vespidae	*Polistes sagittarius*	Banded paper wasp	Not Assessed	Least Concern	No	Native	Yes	No	
80	Stinging Wasp	Vespidae	*Polistes stigma*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
81	Stinging Wasp	Vespidae	*Provespa anomala*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
82	Stinging Wasp	Vespidae	*Rhynchium haemorrhoidale*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
83	Stinging Wasp	Vespidae	*Ropalidia erythrospila*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
84	Stinging Wasp	Vespidae	*Ropalidia jacobsoni*	NA	Not Assessed	Least Concern	No	Native	Yes	Yes	Nest observed
85	Stinging Wasp	Vespidae	*Ropalidia stigma*	NA	Not Assessed	Least Concern	No	Native	Yes	Yes	
86	Stinging Wasp	Vespidae	*Ropalidia sumatrae*	NA	Not Assessed	Least Concern	No	Native	Yes	Yes	Nest observed
87	Stinging Wasp	Vespidae	*Ropalidia timida*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
88	Stinging Wasp	Vespidae	*Stenodyneriellus guttulatus*	NA	Not Assessed	Least Concern	No	Native	Yes	Yes	
89	Stinging Wasp	Vespidae	*Subancistrocerus sichelii*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
90	Stinging Wasp	Vespidae	*Vespa affinis*	Lesser banded hornet	Not Assessed	Least Concern	No	Native	Yes	No	
91	Stinging Wasp	Vespidae	*Vespa analis*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
92	Stinging Wasp	Vespidae	*Vespa tropica*	Greater banded hornet	Not Assessed	Least Concern	No	Native	Yes	Yes	
*Based on Ascher et al. (in prep), both the taxonomic revision of Braunsapis and preliminary DNA barcoding results from Singapore suggests that both B. cupulifera and B. hewitti may be species complexes.											

S/N	Type	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Soh et al., 2019)	Species of conservation significance	Distribution/Rarity (Soh et al. 2019)	Probable species	Recorded species	Remarks
1	Damselfly	Argiolestidae	*Podolestes orientalis*	Blue-spotted flatwing	Least Concern	Vulnerable	Yes	Restricted and Uncommon	Yes	No	
2	Damselfly	Calopterygidae	*Vestalis amethystina*	Common flashwing	Not Assessed	Vulnerable	Yes	Restricted but Common	Yes	No	
3	Damselfly	Coenagrionidae	*Agriocnemis femina*	Variable wisp	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	
4	Damselfly	Coenagrionidae	*Agriocnemis rubescens*	Variable sprite	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	No	
5	Damselfly	Coenagrionidae	*Amphicnemis gracilis*	Will-o-wisp	Not Assessed	Vulnerable	Yes	Restricted but Common	Yes	No	
6	Damselfly	Coenagrionidae	*Archibasis viola*	Violet sprite	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	
7	Damselfly	Coenagrionidae	*Ceriagrion cerinorubellum*	Ornate coraltail	Least Concern	Least Concern	No	Widespread and Common	Yes	No	Recorded in NSS, 2021
8	Damselfly	Coenagrionidae	*Ceriagrion chaoi*	Fiery coraltail	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	No	
9	Damselfly	Coenagrionidae	*Ischnura senegalensis*	Common bluetail	Least Concern	Least Concern	No	Widespread and Common	Yes	No	
10	Damselfly	Coenagrionidae	*Pericnemis stictica*	Dryad	Least Concern	Vulnerable	Yes	Restricted and Rare	Yes	No	
11	Damselfly	Coenagrionidae	*Pseudagrion microcephalum*	Blue sprite	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	
12	Damselfly	Coenagrionidae	*Teinobasis ruficollis*	Red-tailed sprite	Not Assessed	Near Threatened	No	Widespread but Rare	Yes	No	
13	Damselfly	Lestidae	*Lestes praemorsus*	Crenulated spreadwing	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	No	
14	Damselfly	Platycnemididae	*Coeliccia octogesima*	Telephone sylvan	Not Assessed	Vulnerable	Yes	Restricted but Common	Yes	No	
15	Damselfly	Platycnemididae	*Copera marginipes*	Yellow featherlegs	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	
16	Damselfly	Platycnemididae	*Copera vittata*	Variable featherlegs	Least Concern	Vulnerable	Yes	Restricted and Rare	Yes	No	
17	Damselfly	Platycnemididae	*Onychargia atrocyana*	Shorttail	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	No	
18	Damselfly	Platystictidae	*Drepanosticta quadrata*	Singapore shadowdamsel	Not Assessed	Vulnerable	Yes	Restricted but Common	Yes	No	
19	Damselfly	Protoneuridae	*Prodasineura collaris*	Collared threadtail	Least Concern	Endangered	Yes	Restricted and Uncommon	Yes	No	
20	Damselfly	Protoneuridae	*Prodasineura humeralis*	Orange-striped threadtail	Not Assessed	Least Concern	No	Widespread and Common	Yes	Yes	
21	Damselfly	Protoneuridae	*Prodasineura interrupta*	Interrupted threadtail	Not Assessed	Critically Endangered	Yes	Restricted and Uncommon	Yes	No	
22	Damselfly	Protoneuridae	*Prodasineura notostigma*	Crescent threadtail	Not Assessed	Least Concern	No	Widespread and Common	Yes	Yes	
23	Dragonfly	Aeshnidae	*Anax guttatus*	Emperor	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	No	
24	Dragonfly	Aeshnidae	*Gynacantha basiguttata*	Spoon-tailed duskhawker	Least Concern	Vulnerable	Yes	Restricted and Rare	Yes	No	
25	Dragonfly	Aeshnidae	*Gynacantha bayadera*	Small duskhawker	Least Concern	Vulnerable	Yes	Restricted and Rare	Yes	No	
26	Dragonfly	Aeshnidae	*Gynacantha dohrni*	Spear-tail duskhawker	Not Assessed	Least Concern	No	Widespread but Uncommon	Yes	No	
27	Dragonfly	Aeshnidae	*Gynacantha subinterrupta*	Dingy duskhawker	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	Yes	
28	Dragonfly	Gomphidae	*Ictinogomphus decoratus*	Common flangetail	Least Concern	Least Concern	No	Widespread and Common	Yes	No	
29	Dragonfly	Gomphidae	*Macrogomphus quadratus*	Forktail	Not Assessed	Vulnerable	Yes	Restricted and Uncommon	Yes	No	
30	Dragonfly	Libellulidae	*Acisoma panorpoides*	Trumpet tail	Least Concern	Least Concern	No	Widespread and Common	Yes	No	
31	Dragonfly	Libellulidae	*Aethriamanta aethra*	Blue adjudant	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	No	
32	Dragonfly	Libellulidae	*Aethriamanta brevipennis*	Scarlet adjudant	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	No	
33	Dragonfly	Libellulidae	*Aethriamanta gracilis*	Pond adjudant	Least Concern	Least Concern	No	Widespread and Common	Yes	No	
34	Dragonfly	Libellulidae	*Agrionoptera insignis*	Grenadier	Least Concern	Least Concern	No	Widespread and Common	Yes	No	
35	Dragonfly	Libellulidae	*Agrionoptera sexlineata*	Handsome grenadier	Not Assessed	Least Concern	No	Widespread but Uncommon	Yes	No	
36	Dragonfly	Libellulidae	*Brachydiplax chalybea*	Blue dasher	Least Concern	Least Concern	No	Widespread and Common	Yes	No	
37	Dragonfly	Libellulidae	*Brachythemis contaminata*	Common amberwing	Least Concern	Least Concern	No	Widespread and Common	Yes	No	
38	Dragonfly	Libellulidae	*Camacinia gigantea*	Sultan	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	Yes	
39	Dragonfly	Libellulidae	*Cratilla metallica*	Dark-tipped forest skimmer	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	
40	Dragonfly	Libellulidae	*Crocothemis servilia*	Common scarlet	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	
41	Dragonfly	Libellulidae	*Diplacodes nebulosa*	Black-tipped percher	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	No	
42	Dragonfly	Libellulidae	*Diplacodes trivialis*	Blue percher	Least Concern	Least Concern	No	Widespread and Common	Yes	No	
43	Dragonfly	Libellulidae	*Hydrobasileus croceus*	Water monarch	Least Concern	Least Concern	No	Widespread and Common	Yes	No	
44	Dragonfly	Libellulidae	*Lathrecista asiatica*	Scarlet grenadier	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	
45	Dragonfly	Libellulidae	*Nesoxenia lineata*	Striped grenadier	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	No	

S/N	Type	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Soh et al., 2019)	Species of conservation significance	Distribution/Rarity (Soh et al. 2019)	Probable species	Recorded species	Remarks
46	Dragonfly	Libellulidae	*Neurothemis fluctuans*	Common parasol	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	
47	Dragonfly	Libellulidae	*Orchithemis pulcherrima*	Variable sentinel	Least Concern	Least Concern	No	Widespread and Common	Yes	No	
48	Dragonfly	Libellulidae	*Orthetrum chrysis*	Spine-tufted skimmer	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	
49	Dragonfly	Libellulidae	*Orthetrum glaucum*	Common blue skimmer	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	
50	Dragonfly	Libellulidae	*Orthetrum luzonicum*	Slender blue skimmer	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	
51	Dragonfly	Libellulidae	*Orthetrum sabina*	Variegated green skimmer	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	
52	Dragonfly	Libellulidae	*Orthetrum testaceum*	Scarlet skimmer	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	
53	Dragonfly	Libellulidae	*Pantala flavescens*	Wandering glider	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	
54	Dragonfly	Libellulidae	*Potamarcha congener*	Common chaser	Least Concern	Least Concern	No	Widespread and Common	Yes	No	
55	Dragonfly	Libellulidae	*Pseudothemis jorina*	Banded skimmer	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	No	
56	Dragonfly	Libellulidae	*Rhodothemis rufa*	Common redbolt	Least Concern	Least Concern	No	Widespread and Common	Yes	No	
57	Dragonfly	Libellulidae	*Rhyothemis phyllis*	Yellow-barred flutterer	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	
58	Dragonfly	Libellulidae	*Rhyothemis triangularis*	Sapphire flutterer	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	No	
59	Dragonfly	Libellulidae	*Tholymis tillarga*	White-barred duskhawk	Least Concern	Least Concern	No	Widespread and Common	Yes	No	
60	Dragonfly	Libellulidae	*Tramea transmarina*	Saddlebag glider	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	
61	Dragonfly	Libellulidae	*Trithemis aurora*	Crimson dropwing	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	
62	Dragonfly	Libellulidae	*Trithemis festiva*	Indigo dropwing	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	
63	Dragonfly	Libellulidae	*Trithemis pallidinervis*	Dancing dropwing	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	No	
64	Dragonfly	Libellulidae	*Tyriobapta torrida*	Treehugger	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	
65	Dragonfly	Libellulidae	*Urothemis signata*	Scarlet basker	Not Assessed	Least Concern	No	Widespread and Common	Yes	No	
66	Dragonfly	Libellulidae	*Zyxomma petiolatum*	Slender duskdarter	Least Concern	Least Concern	No	Widespread and Common	Yes	No	
67	Dragonfly	Synthemistidae	*Idionyx yolanda*	Shadowdancer	Not Assessed	Least Concern	No	Widespread but Uncommon	Yes	No	

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1	Hesperiidae	*Ampittia dioscorides camertes*	Bush hopper	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
2	Hesperiidae	*Ancistroides nigrita maura*	Chocolate demon	Not Assessed	Not Assessed	No	Common	Yes	Yes	
3	Hesperiidae	*Astictopterus jama jama*	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Yes	No	
4	Hesperiidae	*Baoris farri farri*	Bamboo paintbrush swift	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	
5	Hesperiidae	*Baoris oceia*	Paintbrush swift	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	
6	Hesperiidae	*Borbo cinnara*	Formosan swift	Not Assessed	Endangered	Yes	Moderately common	Yes	Yes	
7	Hesperiidae	*Bibasis etelka*	Great orange awlet	Not Assessed	Not Assessed	No	Rare	Yes	No	
8	Hesperiidae	*Bibasis harisa consobrina*	Orange awlet	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Recorded in NSS, 2021
9	Hesperiidae	*Caltoris cormasa*	Full stop swift	Not Assessed	Not Assessed	No	Moderately rare	Yes	Yes	
10	Hesperiidae	*Cephrenes acalle niasicus*	Plain palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Yes	No	
11	Hesperiidae	*Cephrenes trichopepla*	Yellow palm dart	Not Assessed	Not Assessed	No	Common	Yes	No	
12	Hesperiidae	*Erionota acroleuca apicalis*	White tipped banana skipper	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	
13	Hesperiidae	*Erionota thrax thrax*	Banana skipper	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
14	Hesperiidae	*Erionota torus*	Torus skipper	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	
15	Hesperiidae	*Halpe ormenes vilasina*	Dark banded ace	Not Assessed	Not Assessed	No	Rare	Yes	No	
16	Hesperiidae	*Hasora badra badra*	Common awl	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
17	Hesperiidae	*Hasora chromus chromus*	Common banded awl	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Recorded in NSS, 2021
18	Hesperiidae	*Hasora vitta vitta*	Plain banded awl	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	
19	Hesperiidae	*Hidari irava*	Coconut skipper	Not Assessed	Not Assessed	No	Common	Yes	No	
20	Hesperiidae	*Iambrix salsala salsala*	Chestnut bob	Not Assessed	Not Assessed	No	Common	Yes	Yes	
21	Hesperiidae	*Iambrix stellifer*	Starry bob	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	
22	Hesperiidae	*Matapa aria*	Common redeye	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	
23	Hesperiidae	*Notocrypta paralysos varians*	Banded demon	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
24	Hesperiidae	*Oriens gola pseudolus*	Common dartlet	Not Assessed	Not Assessed	No	Moderately common	Yes	Yes	
25	Hesperiidae	*Oriens paragola*	Malay dartlet	Not Assessed	Not Assessed	No	Rare	Yes	No	Recorded in NSS, 2021
26	Hesperiidae	*Pelopidas agna agna*	Bengal swift	Not Assessed	Endangered	Yes	Moderately common	Yes	No	
27	Hesperiidae	*Pelopidas assamensis*	Great swift	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	
28	Hesperiidae	*Pelopidas conjunctus conjunctus*	Conjoined swift	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	
29	Hesperiidae	*Pelopidas mathias mathias*	Small branded swift	Not Assessed	Not Assessed	No	Common	Yes	Yes	
30	Hesperiidae	*Plastingia naga*	Chequered lancer	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Recorded in NSS, 2021
31	Hesperiidae	*Polytremis lubricans lubricans*	Contiguous swift	Not Assessed	Not Assessed	No	Common	Yes	No	Recorded in NSS, 2021
32	Hesperiidae	*Potanthus ganda*	NA	Not Assessed	Not Assessed	No	NA	Yes	No	
33	Hesperiidae	*Potanthus omaha omaha*	Lesser dart	Not Assessed	Not Assessed	No	Common	Yes	Yes	
34	Hesperiidae	*Potanthus serina*	Large dart	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
35	Hesperiidae	*Potanthus trachala tytleri*	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Yes	No	
36	Hesperiidae	*Pyroneura latoia latoia*	Yellow vein lancer	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
37	Hesperiidae	*Suastus gremius gremius*	Palm bob	Not Assessed	Not Assessed	No	Common	Yes	No	
38	Hesperiidae	*Tagiades japetus atticus*	Common snow flat	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
39	Hesperiidae	*Taractrocera archias quinta*	Yellow grass dart	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
40	Hesperiidae	*Taractrocera ardonia lamia*	Spotted grass dart	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	
41	Hesperiidae	*Telicota augias augias*	Pale palm dart	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
42	Hesperiidae	*Telicota besta bina*	Besta palm dart	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Recorded in NSS, 2021
43	Hesperiidae	*Telicota colon stinga*	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately common	Yes	Yes	

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44	Hesperiidae	*Udaspes folus*	Grass demon	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
45	Hesperiidae	*Zographetus doxus*	Spotted flitter	Not Assessed	Not Assessed	No	Rare	Yes	No	
46	Lycaenidae	*Acytolepis puspa lambi*	Common hedge blue	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
47	Lycaenidae	*Allotinus unicolor unicolor*	Lesser darkwing	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
48	Lycaenidae	*Anthene emolus goberus*	Ciliate blue	Not Assessed	Not Assessed	No	Common	Yes	Yes	
49	Lycaenidae	*Anthene lycaenina miya*	Pointed ciliate blue	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	
50	Lycaenidae	*Arhopala amphimuta amphimuta*	NA	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately common	Yes	Yes	
51	Lycaenidae	*Arhopala centaurus nakula*	Centaur oakblue	Not Assessed	Not Assessed	No	Moderately common	Yes	Yes	
52	Lycaenidae	*Arhopala major major*	NA	Not Assessed	Data Deficient	No	Common	Yes	No	Recorded in NSS, 2021
53	Lycaenidae	*Catochrysops panormus exiguus*	Silver forget-me-not	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Recorded in NSS, 2021
54	Lycaenidae	*Catochrysops strabo strabo*	Forget-me-not	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	
55	Lycaenidae	*Catopyrops ancyra*	Ancyra blue	Not Assessed	Vulnerable	Yes	Moderately rare	Yes	No	Recorded in NSS, 2021
56	Lycaenidae	*Chilades pandava pandava*	Cycad blue	Not Assessed	Not Assessed	No	Common	Yes	No	
57	Lycaenidae	*Curetis saronis sumatrana*	Sumatran sunbeam	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
58	Lycaenidae	*Drupadia ravindra moorei*	Common posy	Not Assessed	Not Assessed	No	Common	Yes	No	
59	Lycaenidae	*Eooxylides tharis distanti*	Branded imperial	Not Assessed	Not Assessed	No	Common	Yes	Yes	
60	Lycaenidae	*Euchrysops cnejus cnejus*	Gram blue	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
61	Lycaenidae	*Everes lacturnus rileyi*	Indian cupid	Not Assessed	Not Assessed	No	Rare	Yes	No	
62	Lycaenidae	*Flos apidanus saturatus*	Plain plushblue	Not Assessed	Not Assessed	No	Moderately common	Yes	Yes	
63	Lycaenidae	*Hypolycaena erylus teatus*	Common tit	Not Assessed	Not Assessed	No	Common	Yes	No	
64	Lycaenidae	*Hypolycaena thecloides thecloides*	Dark tit	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	
65	Lycaenidae	*Ionolyce helicon merguiana*	Pointed line blue	Not Assessed	Not Assessed	No	Common	Yes	Yes	
66	Lycaenidae	*Iraota rochana boswelliana*	Scarce silverstreak	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
67	Lycaenidae	*Jamides alecto ageladas*	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Yes	No	
68	Lycaenidae	*Jamides bochus nabonassar*	Dark caerulean	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	
69	Lycaenidae	*Jamides celeno aelianus*	Common caerulean	Not Assessed	Not Assessed	No	Common	Yes	Yes	
70	Lycaenidae	*Lampides boeticus*	Pea blue	Not Assessed	Not Assessed	No	Common	Yes	No	
71	Lycaenidae	*Logania marmorata damis*	Pale mottle	Not Assessed	Not Assessed	No	Moderately common	Yes	Yes	
72	Lycaenidae	*Loxura atymnus fuconius*	Yamfly	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
73	Lycaenidae	*Megisba malaya sikkima*	Malayan	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	
74	Lycaenidae	*Miletus biggsii biggsii*	Bigg's brownwing	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Recorded in NSS, 2021
75	Lycaenidae	*Miletus symethus petronius*	Blue brownwing/great brownie	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
76	Lycaenidae	*Nacaduba berenice icena*	Rounded sixline blue	Not Assessed	Not Assessed	No	Common	Yes	No	
77	Lycaenidae	*Nacaduba beroe neon*	Opaque sixline blue	Not Assessed	Not Assessed	No	Common	Yes	No	
78	Lycaenidae	*Nacaduba biocellata*	Two spotted line blue	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	
79	Lycaenidae	*Nacaduba kurava nemana*	Transparent sixline blue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately common	Yes	No	
80	Lycaenidae	*Petrelaea dana dana*	Dingy line blue	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	
81	Lycaenidae	*Prosotas dubiosa lumpura*	Tailless line blue	Not Assessed	Not Assessed	No	Common	Yes	No	
82	Lycaenidae	*Prosotas nora superdates*	Common line blue	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
83	Lycaenidae	*Rapala dieneces dieneces*	Scarlet flash	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	
84	Lycaenidae	*Rapala iarbus iarbus*	Common red flash	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
85	Lycaenidae	*Rapala manea chozeba*	Slate flash	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Recorded in NSS, 2021
86	Lycaenidae	*Rapala pheretima sequeira*	Copper flash	Not Assessed	Not Assessed	No	Moderately common	Yes	No	

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87	Lycaenidae	*Rapala suffusa barthema*	Suffused flash	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
88	Lycaenidae	*Rapala varuna orseis*	Indigo flash	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	
89	Lycaenidae	*Semanga superba deliciosa*	NA	Not Assessed	Not Assessed	No	Moderately rare	Yes	Yes	
90	Lycaenidae	*Spalgis epius epius*	Apefly	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
91	Lycaenidae	*Spindasis lohita senama*	Long banded silverline	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
92	Lycaenidae	*Spindasis syama terana*	Club silverline	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
93	Lycaenidae	*Surendra vivarna amisena*	Acacia blue	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Recorded in NSS, 2021
94	Lycaenidae	*Tajuria cippus maxentius*	Peacock royal	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
95	Lycaenidae	*Virachola kessuma deliochus*	Pitcher blue	Not Assessed	Not Assessed	No	Rare	Yes	No	
96	Lycaenidae	*Zeltus amasa maximinianus*	Fluffy tit	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
97	Lycaenidae	*Zizeeria maha serica*	Pale grass blue	Not Assessed	Not Assessed	No	Common	Yes	No	
98	Lycaenidae	*Zizina otis lampa*	Lesser grass blue	Not Assessed	Not Assessed	No	Common	Yes	No	Recorded in NSS, 2021
99	Lycaenidae	*Zizula hylax pygmaea*	Pygmy grass blue	Not Assessed	Not Assessed	No	Common	Yes	Yes	
100	Nymphalidae	*Acraea terpsicore*	Tawny coster	Not Assessed	Not Assessed	No	Common	Yes	No	Recorded in NSS, 2021
101	Nymphalidae	*Amathusia phidippus phidippus*	Palm king	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	
102	Nymphalidae	*Athyma kanwa kanwa*	Dot-dash sergeant	Not Assessed	Not Assessed	No	Rare	Yes	No	
103	Nymphalidae	*Athyma nefte subrata*	Colour sergeant	Not Assessed	Not Assessed	No	Common	Yes	No	
104	Nymphalidae	*Cethosia cyane*	Leopard lacewing	Not Assessed	Not Assessed	No	Common	Yes	No	
105	Nymphalidae	*Cupha erymanthis lotis*	Rustic	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
106	Nymphalidae	*Danaus chrysippus chrysippus*	Plain tiger	Not Assessed	Not Assessed	No	Common	Yes	No	
107	Nymphalidae	*Doleschallia bisaltide bisaltide*	Autumn leaf	Not Assessed	Not Assessed	No	Common	Yes	No	Recorded in NSS, 2021
108	Nymphalidae	*Elymnias hypermnestra agina*	Common palmfly	Not Assessed	Not Assessed	No	Common	Yes	Yes	
109	Nymphalidae	*Elymnias panthera panthera*	Tawny palmfly	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
110	Nymphalidae	*Euploea midamus singapura*	Blue spotted crow	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
111	Nymphalidae	*Euploea mulciber mulciber*	Striped blue crow	Not Assessed	Not Assessed	No	Common	Yes	No	
112	Nymphalidae	*Euripus nyctelius euploeoides*	Courtesan	Not Assessed	Critically Endangered	Yes	Rare	Yes	No	
113	Nymphalidae	*Euthalia aconthea gurda*	Baron	Not Assessed	Not Assessed	No	Common	Yes	No	
114	Nymphalidae	*Euthalia adonia pinwilli*	Green baron	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
115	Nymphalidae	*Euthalia monina monina*	Malay baron	Not Assessed	Not Assessed	No	Common	Yes	No	
116	Nymphalidae	*Faunis canens arcesilas*	Common faun	Not Assessed	Not Assessed	No	Common	Yes	No	
117	Nymphalidae	*Hypolimnas anomala anomala*	Malayan eggfly	Not Assessed	Not Assessed	No	Common	Yes	No	Recorded in NSS, 2021
118	Nymphalidae	*Hypolimnas bolina bolina*	Great eggfly	Not Assessed	Not Assessed	No	Moderately common	Yes	Yes	
119	Nymphalidae	*Hypolimnas bolina jacintha*	Jacintha eggfly	Not Assessed	Not Assessed	No	Common	Yes	No	
120	Nymphalidae	*Ideopsis vulgaris macrina*	Blue glassy tiger	Not Assessed	Not Assessed	No	Common	Yes	No	
121	Nymphalidae	*Junonia almana javana*	Peacock pansy	Least Concern	Not Assessed	No	Common	Yes	No	Recorded in NSS, 2021
122	Nymphalidae	*Junonia atlites atlites*	Grey pansy	Not Assessed	Not Assessed	No	Moderately common	Yes	Yes	
123	Nymphalidae	*Junonia hedonia ida*	Chocolate pansy	Not Assessed	Not Assessed	No	Common	Yes	Yes	
124	Nymphalidae	*Junonia orithya wallacei*	Blue pansy	Not Assessed	Not Assessed	No	Common	Yes	No	
125	Nymphalidae	*Lasippa heliodore dorelia*	Burmese lascar	Not Assessed	Data Deficient	No	Rare	Yes	Yes	
126	Nymphalidae	*Lasippa tiga siaka*	Malayan lascar	Not Assessed	Not Assessed	No	Common	Yes	Yes	
127	Nymphalidae	*Lethe europa malaya*	Bamboo tree brown	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	
128	Nymphalidae	*Lexias pardalis dirteana*	Archduke	Not Assessed	Not Assessed	No	Common	Yes	No	
129	Nymphalidae	*Melanitis leda leda*	Common evening brown	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	
130	Nymphalidae	*Moduza procris milonia*	Commander	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
131	Nymphalidae	*Mycalesis mineus macromalayana*	Dark brand bush brown	Not Assessed	Not Assessed	No	Common	Yes	Yes	

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008; Jain et al. 2018)	Species of conservation significance	Distribution/Rarity (Khew, 2015)	Probable species	Recorded species	Remarks
132	Nymphalidae	*Mycalesis perseoides perseoides*	Burmese bush brown	Not Assessed	Data Deficient	No	Common	Yes	Yes	
133	Nymphalidae	*Mycalesis perseus cepheus*	Dingy bush brown	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
134	Nymphalidae	*Mycalesis visala phamis*	Long brand bush brown	Not Assessed	Not Assessed	No	Moderately common	Yes	Yes	
135	Nymphalidae	*Neptis hylas papaja*	Common sailor	Not Assessed	Not Assessed	No	Moderately common	Yes	Yes	
136	Nymphalidae	*Orsotriaena medus cinerea*	Dark grass brown	Not Assessed	Not Assessed	No	Common	Yes	No	Recorded in NSS, 2021
137	Nymphalidae	*Pantoporia hordonia hordonia*	Common lascar	Not Assessed	Not Assessed	No	Common	Yes	No	
138	Nymphalidae	*Parantica agleoides agleoides*	Dark glassy tiger	Not Assessed	Not Assessed	No	Common	Yes	No	
139	Nymphalidae	*Phaedyma columella singa*	Short banded sailor	Not Assessed	Not Assessed	No	Common	Yes	No	Recorded in NSS, 2021
140	Nymphalidae	*Phalanta phalantha phalantha*	Leopard	Not Assessed	Not Assessed	No	Common	Yes	No	Recorded in NSS, 2021
141	Nymphalidae	*Polyura hebe plautus*	Plain nawab	Not Assessed	Not Assessed	No	Common	Yes	No	
142	Nymphalidae	*Polyura schreiber tisamenus*	Blue nawab	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	
143	Nymphalidae	*Symbrenthia hippoclus selangorana*	Malayan jester	Not Assessed	Not Assessed	Yes	Very rare	Yes	No	
144	Nymphalidae	*Tanaecia iapis puseda*	Horsfield's baron	Not Assessed	Not Assessed	No	Common	Yes	Yes	
145	Nymphalidae	*Tanaecia pelea pelea*	Malay viscount	Not Assessed	Not Assessed	No	Common	Yes	Yes	
146	Nymphalidae	*Vindula dejone erotella*	Cruiser	Not Assessed	Not Assessed	No	Common	Yes	No	
147	Nymphalidae	*Ypthima baldus newboldi*	Common five-ring	Not Assessed	Not Assessed	No	Common	Yes	Yes	
148	Nymphalidae	*Ypthima horsfieldii humei*	Malayan five-ring	Not Assessed	Not Assessed	No	Common	Yes	Yes	
149	Nymphalidae	*Ypthima huebneri*	Common four-ring	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
150	Nymphalidae	*Ypthima pandocus corticaria*	Common three-ring	Not Assessed	Not Assessed	No	Common	Yes	No	
151	Nymphalidae	*Zeuxidia amethystus amethystus*	Saturn	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	
152	Papilionidae	*Chilasa clytia clytia*	Common mime	Not Assessed	Not Assessed	No	Common	Yes	No	
153	Papilionidae	*Graphium agamemnon agamemnon*	Tailed jay	Not Assessed	Not Assessed	No	Common	Yes	No	
154	Papilionidae	*Graphium sarpedon luctatius*	Common bluebottle	Not Assessed	Not Assessed	No	Common	Yes	Yes	
155	Papilionidae	*Pachliopta aristolochiae asteris*	Common rose	Not Assessed	Vulnerable	Yes	Moderately common	Yes	No	
156	Papilionidae	*Papilio demoleus malayanus*	Lime butterfly	Not Assessed	Not Assessed	No	Common	Yes	No	Recorded in NSS, 2021
157	Papilionidae	*Papilio polytes romulus*	Common mormon	Not Assessed	Not Assessed	No	Common	Yes	Yes	
158	Papilionidae	*Troides helena cerberus*	Common birdwing	Not Assessed; CITES protected (Appendix II)	Vulnerable	Yes	Moderately common	Yes	Yes	
159	Pieridae	*Appias libythea olferna*	Striped albatross	Not Assessed	Not Assessed	No	Common	Yes	No	Recorded in NSS, 2021
160	Pieridae	*Catopsilia pomona pomona*	Lemon emigrant	Not Assessed	Not Assessed	No	Common	Yes	No	Recorded in NSS, 2021
161	Pieridae	*Catopsilia pyranthe pyranthe*	Mottled emigrant	Not Assessed	Not Assessed	No	Common	Yes	No	Recorded in NSS, 2021
162	Pieridae	*Catopsilia scylla cornelia*	Orange emigrant	Not Assessed	Not Assessed	No	Common	Yes	No	
163	Pieridae	*Delias hyparete metarete*	Painted jezebel	Not Assessed	Not Assessed	No	Common	Yes	Yes	
164	Pieridae	*Eurema andersonii andersonii*	Anderson's grass yellow	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
165	Pieridae	*Eurema blanda snelleni*	Three spot grass yellow	Not Assessed	Not Assessed	No	Common	Yes	No	
166	Pieridae	*Eurema hecabe contubernalis*	Common grass yellow	Not Assessed	Not Assessed	No	Common	Yes	No	
167	Pieridae	*Eurema sari sodalis*	Chocolate grass yellow	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
168	Pieridae	*Eurema simulatrix tecmessa*	Forest grass yellow	Not Assessed	Not Assessed	No	Moderately common	Yes	No	
	Pieridae	*Eurema sp.*	NA	NA	NA	NA	NA	NA	Yes	
169	Pieridae	*Leptosia nina malayana*	Psyche	Not Assessed	Not Assessed	No	Common	Yes	Yes	
170	Pieridae	*Pieris canidia canidia*	Cabbage white	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	
171	Riodinidae	*Abisara savitri savitri*	Malay tailed judy	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008; Jain et al. 2018)	Species of conservation significance	Distribution/Rarity (Khew, 2015)	Probable species	Recorded species	Remarks

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008)	Species of conservation significance	Native status (Baker & Lim, 2012)	Probable species	Recorded species
1	Gecarcinucidae	*Parathelphusa maculata*	Maculate freshwater crab	Least Concern	Not Assessed	No	Native	Yes	No
2	Palaemonidae	*Macrobrachium lanchesteri*	Riceland shrimp	Least Concern	Not Assessed	No	Non-native	Yes	No

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008; Nyanasengeran, pers comm)	Species of conservation significance	Native status (Baker & Lim, 2012)	Probable species	Recorded species	Remarks
1	Anabantidae	*Anabas testudineus*	Oriental climbing perch	Least Concern	Not Assessed	No	Native	Yes	No	
2	Channidae	*Channa striata*	Common snakehead/aruan	Least Concern	Not Assessed	No	Native	Yes	Yes	
3	Clariidae	*Clarias* cf. *batrachus*	Common walking catfish	Not Assessed	Not Assessed	No	Native	Yes	Yes	
4	Clariidae	*Clarias gariepinus*	Sharp-toothed walking catfish	Least Concern	Not Assessed	No	Non-native	Yes	Yes	
5	Cyprinidae	*Barbodes sellifer*	Saddle barb	Not Assessed	Not Assessed	No	Native	Yes	No	Recorded in NSS, 2021
6	Cyprinidae	*Barbodes rhombeus*	Indochinese spotted barb	Least Concern	Not Assessed	No	Non-native	Yes	Yes	
7	Cyprinidae	*Brachydanio albolineata*	Pearl danio	Not Assessed	Not Assessed	No	Non-native	Yes	Yes	
8	Cyprinidae	*Osteochilus vittatus*	Hasselt's bony-lipped barb	Least Concern	Not Assessed	No	Non-native	Yes	Yes	
9	Osphronemidae	*Trichopsis vittata*	Croaking gouramy	Least Concern	Not Assessed	No	Native	Yes	No	
10	Poeciliidae	*Gambusia affinis*	Mosquitofish	Least Concern	Not Assessed	No	Non-native	Yes	No	
11	Poeciliidae	*Poecilia reticulata*	Guppy	Least Concern	Not Assessed	No	Non-native	Yes	Yes	
12	Poeciliidae	*Poecilia sphenops*	Green molly	Least Concern	Not Assessed	No	Non-native	Yes	No	
13	Synbranchidae	*Monopterus albus*	Sunda swamp-eel	Least Concern	Not Assessed	No	Native	Yes	No	

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008)	Species of conservation significance	Distribution/Rarity (Baker & Lim, 2012)	Native status (Baker & Lim, 2012)	Probable species	Recorded species
1	Bufonidae	*Duttaphrynus melanostictus*	Asian toad	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes
2	Dicroglossidae	*Fejervarya cancrivora*	Crab-eating frog	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No
3	Dicroglossidae	*Fejervarya limnocharis*	Field frog	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes
4	Dicroglossidae	*Limnonectes blythii*	Malayan giant frog	Near Threatened	Least Concern	No	Widespread and Common	Native	Yes	Yes
5	Dicroglossidae	*Limnonectes malesianus*	Malesian frog	Near Threatened	Near Threatened	No	Restricted but Common	Native	Yes	No
6	Dicroglossidae	*Occidozyga sumatrana*	Yellow-bellied puddle frog	Least Concern	Near Threatened	No	Restricted but Common	Native	Yes	No
7	Eleutherodactylidae	*Eleutherodactylus planirostris*	Greenhouse frog	Least Concern	Not Assessed	No	Widespread and Common	Non-native	Yes	Yes
8	Microhylidae	*Kaloula pulchra*	Banded bull frog	Least Concern	Not Assessed	No	Widespread and Common	Non-native	Yes	Yes
9	Microhylidae	*Microhyla butleri*	Painted chorus frog	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes
10	Microhylidae	*Microhyla mukhlesuri*	East Asian ornate chorus frog	Least Concern	Not Assessed	No	Restricted and Rare	Non-native	Yes	Yes
11	Microhylidae	*Microhyla heymonsi*	Dark-sided chorus frog	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes
12	Ranidae	*Chalcorana labialis*	Copper-cheeked frog	Least Concern	Least Concern	No	Restricted but Common	Native	Yes	No
13	Ranidae	*Hylarana erythraea*	Green paddy frog	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No
14	Ranidae	*Lithobates catesbeianus*	American bullfrog	Least Concern	Not Assessed	No	Widespread and Common	Non-native	Yes	No
15	Ranidae	*Pulchrana laterimaculata*	Masked rough-sided frog	Least Concern	Near Threatened	No	Restricted and Uncommon	Native	Yes	No
16	Rhacophoridae	*Polypedates leucomystax*	Four-lined tree frog	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008)	Species of conservation significance	Distribution/Rarity (Baker and Lim, 2012)	Native status (Baker & Lim, 2012)	Probable species	Recorded species	Remarks
1	Agamidae	*Bronchocela cristatella*	Green crested lizard	Not Assessed	Least Concern	No	Widespread but Uncommon	Native	Yes	Yes	
2	Agamidae	*Calotes versicolor*	Changeable lizard	Not Assessed	Not Assessed	No	Widespread and Common	Non-native	Yes	Yes	
3	Agamidae	*Draco sumatranus*	Sumatran flying dragon	Not Assessed	Least Concern	No	Widespread and Common	Native	Yes	Yes	
4	Colubridae	*Ahaetulla prasina*	Oriental whip snake	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes	
5	Colubridae	*Calamaria schlegeli*	Pink-headed reed snake	Least Concern	Near Threatened	No	Restricted and Rare	Native	Yes	No	Recorded in Teo & Rajathurai, 1997
6	Colubridae	*Chrysopelea paradisi*	Paradise gliding snake	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No	
7	Colubridae	*Coelognathus flavolineatus*	Common Malayan racer	Least Concern	Least Concern	No	Widespread but Rare	Native	Yes	No	
8	Colubridae	*Dendrelaphis caudolineatus*	Striped bronzeback	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No	
9	Colubridae	*Dendrelaphis kopsteini*	Red-necked bronzeback	Least Concern	Near Threatened	No	Widespread but Rare	Native	Yes	No	
10	Colubridae	*Dendrelaphis pictus*	Painted bronzeback	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes	
11	Colubridae	*Lycodon capucinus*	House wolf snake	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No	
12	Colubridae	*Oligodon octolineatus*	Striped kukri snake	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No	
13	Colubridae	*Ptyas korros*	Indochinese rat snake	Least Concern	Least Concern	No	Widespread but Uncommon	Native	Yes	No	
14	Colubridae	*Xenochrophis vittatus*	Striped keelback	Least Concern	Not Assessed	No	Widespread and Common	Non-native	Yes	No	
15	Elapidae	*Calliophis intestinalis*	Malayan banded coral snake	Least Concern	Near Threatened	No	Widespread but Rare	Native	Yes	No	
16	Elapidae	*Naja sumatrana*	Equatorial spitting cobra	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Widespread and Common	Native	Yes	Yes	
17	Emydidae	*Trachemys scripta*	Red-eared slider	Least Concern	Not Assessed	No	Widespread and Common	Non-native	Yes	No	
18	Gekkonidae	*Gehyra mutilata*	Four-clawed gecko	Not Assessed	Not Assessed	No	Widespread and Common	Native	Yes	No	
19	Gekkonidae	*Gekko monarchus*	Spotted house gecko	Not Assessed	Not Assessed	No	Widespread and Common	Native	Yes	Yes	
20	Gekkonidae	*Hemidactylus frenatus*	Spiny-tailed house gecko	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No	Recorded in NSS, 2021
21	Gekkonidae	*Hemidactylus platyurus*	Flat-tailed gecko	Not Assessed	Least Concern	No	Widespread and Common	Native	Yes	No	
22	Gekkonidae	*Hemiphyllodactylus typus*	Lowland dwarf gecko	Least Concern	Near Threatened	No	Restricted and Rare	Native	Yes	No	
23	Gekkonidae	*Lepidodactylus lugubris*	Maritime gecko	Not Assessed	Not Assessed	No	Widespread but Rare	Native	Yes	No	
24	Geomydidae	*Cuora amboinensis*	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	Yes	Restricted but Common	Native	Yes	No	
25	Geomydidae	*Siebenrockiella crassicollis*	Black marsh terrapin	Vulnerable; CITES protected (Appendix II)	Not Assessed	No	Widespread and Common	Non-native	Yes	No	
26	Homalopsidae	*Homalopsis buccata*	Puff-faced water snake	Least Concern	Vulnerable	Yes	Widespread but Uncommon	Native	Yes	No	
27	Pareidae	*Pareas margaritophorus*	White-spotted slug snake	Least Concern	Not Assessed	No	Widespread and Common	Non-native	Yes	No	
28	Pythonidae	*Malayopython reticulatus*	Reticulated python	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Widespread and Common	Native	Yes	Yes	
29	Scincidae	*Eutropis multifasciata*	Many-lined sun skink	Not Assessed	Least Concern	No	Widespread and Common	Native	Yes	Yes	Also recorded from camera trap
30	Scincidae	*Lygosoma bowringii*	Garden supple skink	Not Assessed	Least Concern	No	Widespread and Common	Native	Yes	No	
31	Typhlopidae	*Indotyphlops braminus*	Brahminy blind snake	Least Concern	Not Assessed	No	Widespread and Common	Native	Yes	No	
32	Varanidae	*Varanus nebulosus*	Clouded monitor	Not Assessed; CITES protected (Appendix I)	Least Concern	No	Restricted but Common	Native	Yes	Yes	Also recorded from camera trap

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33	Varanidae	*Varanus salvator*	Malayan water monitor	Least Concern; CITES protected (Appendix II)	Least Concern	No	Widespread and Common	Native	Yes	Yes	Also recorded from camera trap
34	Viperidae	*Tropidolaemus wagleri*	Wagler's pit viper	Least Concern	Near Threatened	No	Restricted and Rare	Native	Yes	No	Recorded in NSS, 2021
35	Xenopeltidae	*Xenopeltis unicolor*	Iridescent earth snake	Least Concern	Least Concern	No	Widespread but Uncommon	Native	Yes	No	

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008)	Species of Conservation Significance	Distribution/Rarity (NSS, 2020; Singapore Birds Project, 2021)	Native status (NSS, 2020; Singapore Birds Project, 2021)	Probable species	Recorded species	Remarks
1	Acanthizidae	*Gerygone sulphurea*	Golden-bellied gerygone	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	
2	Accipitridae	*Accipiter gularis*	Japanese sparrowhawk	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Common	Winter visitor	Yes	No	Recorded in NSS, 2021
3	Accipitridae	*Accipiter soloensis*	Chinese sparrowhawk	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
4	Accipitridae	*Accipiter trivirgatus*	Crested goshawk	Least Concern; CITES protected (Appendix II)	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	Yes	
5	Accipitridae	*Aviceda jerdoni*	Jerdon's baza	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
6	Accipitridae	*Aviceda leuphotes*	Black baza	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Common	Winter visitor	Yes	No	
7	Accipitridae	*Buteo buteo*	Common buzzard	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
8	Accipitridae	*Haliaeetus leucogaster*	White-bellied sea eagle	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Common	Resident breeder	Yes	No	
9	Accipitridae	*Haliastur indus*	Brahminy kite	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Common	Resident breeder	Yes	Yes	
10	Accipitridae	*Nisaetus cirrhatus*	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Endangered	Yes	Uncommon	Resident breeder	Yes	No	
11	Accipitridae	*Pernis ptilorhynchus*	Crested honey-buzzard	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Common	Winter visitor	Yes	No	
12	Accipitridae	*Spilornis cheela*	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	Yes	Rare	Resident, breeding not proven	Yes	No	
13	Aegithinidae	*Aegithina tiphia*	Common iora	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
14	Alcedinidae	*Alcedo atthis*	Common kingfisher	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	No	
15	Alcedinidae	*Alcedo meninting*	Blue-eared kingfisher	Least Concern	Critically Endangered	Yes	Rare	Resident breeder	Yes	No	
16	Alcedinidae	*Ceyx erithaca*	Oriental dwarf kingfisher	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
17	Alcedinidae	*Halcyon coromanda*	Ruddy kingfisher	Least Concern	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	No	
18	Alcedinidae	*Halcyon smyrnensis*	White-throated kingfisher	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
19	Alcedinidae	*Pelargopsis capensis*	Stork-billed kingfisher	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No	
20	Alcedinidae	*Todiramphus chloris*	Collared kingfisher	Least Concern	Not Assessed	No	Abundant	Resident breeder	Yes	No	Recorded in NSS, 2021
21	Apodidae	*Aerodramus fuciphagus*	Edible-nest swiftlet	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	
22	Apodidae	*Aerodramus maximus*	Black-nest swiftlet	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	
	Apodidae	*Aerodramus sp.*	NA	NA	NA	NA	NA	NA	NA	Yes	
23	Apodidae	*Apus nipalensis*	House swift	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No	

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24	Apodidae	*Apus pacificus*	Pacific swift	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
25	Apodidae	*Collocalia affinis*	Plume-toed swiftlet	Not Assessed	Not Assessed	No	Uncommon	Resident breeder	Yes	No	Recorded in NSS, 2021
26	Apodidae	*Cypsiurus balasiensis*	Asian palm swift	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No	
27	Apodidae	*Hirundapus caudacutus*	White-throated needletail	Least Concern	Not Assessed	No	Rare	Accidental visitor	Yes	No	
28	Apodidae	*Hirundapus cochinchinensis*	Silver-backed needletail	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
29	Apodidae	*Hirundapus giganteus*	Brown-backed needletail	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
30	Ardeidae	*Bubulcus coromandus*	Eastern cattle egret	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	No	
31	Ardeidae	*Butorides striata*	Striated heron	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	Recorded in NSS, 2021
32	Ardeidae	*Egretta garzetta*	Little egret	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	Yes	
33	Ardeidae	*Gorsachius melanolophus*	Malayan night heron	Least Concern	Not Assessed	No	Rare	Winter visitor	Yes	No	
34	Ardeidae	*Nycticorax nycticorax*	Black-crowned night heron	Least Concern	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	No	Recorded in NSS, 2021
35	Bucerotidae	*Anthracoceros albirostris*	Oriental pied hornbill	Least Concern; CITES protected (Appendix II)	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	Yes	
36	Cacatuidae	*Cacatua goffiniana*	Tanimbar corella	Near Threatened; CITES protected (Appendix I)	Not Assessed	No	Common	Introduced resident breeder	Yes	Yes	
37	Cacatuidae	*Cacatua sulphurea*	Yellow-crested cockatoo	Critically Endangered; CITES protected (Appendix I)	Not Assessed	No	Uncommon	Introduced resident breeder	Yes	No	Recorded in NSS, 2021
38	Campephagidae	*Lalage nigra*	Pied triller	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
39	Campephagidae	*Pericrocotus divaricatus*	Ashy minivet	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	Yes	
40	Caprimulgidae	*Caprimulgus affinis*	Savanna nightjar	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	
41	Caprimulgidae	*Caprimulgus jotaka*	Jungle nightjar	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
42	Caprimulgidae	*Caprimulgus macrurus*	Large-tailed nightjar	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
43	Chloropseidae	*Chloropsis moluccensis*	Blue-winged leafbird	Least Concern	Not Assessed	No	Common	Resident, breeding not proven	Yes	No	
44	Chloropseidae	*Chloropsis sonnerati*	Greater green leafbird	Endangered	Critically Endangered	Yes	Uncommon	Resident, breeding not proven	Yes	No	
45	Cisticolidae	*Orthotomus atrogularis*	Dark-necked tailorbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
46	Cisticolidae	*Orthotomus ruficeps*	Ashy tailorbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	
47	Cisticolidae	*Orthotomus sericeus*	Rufous-tailed tailorbird	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	Yes	
48	Cisticolidae	*Orthotomus sutorius*	Common tailorbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
49	Cisticolidae	*Prinia flaviventris*	Yellow-bellied prinia	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	
50	Columbidae	*Chalcophaps indica*	Common emerald dove	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	Yes	Also recorded from camera trap
51	Columbidae	*Columba livia*	Rock dove	Least Concern	Not Assessed	No	Abundant	Introduced resident breeder	Yes	Yes	
52	Columbidae	*Ducula bicolor*	Pied imperial pigeon	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No	Recorded in NSS, 2021
53	Columbidae	*Geopelia striata*	Zebra dove	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
54	Columbidae	*Ptilinopus jambu*	Jambu fruit dove	Near Threatened	Not Assessed	No	Uncommon	Non-breeding visitor	Yes	No	

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008)	Species of Conservation Significance	Distribution/Rarity (NSS, 2020; Singapore Birds Project, 2021)	Native status (NSS, 2020; Singapore Birds Project, 2021)	Probable species	Recorded species	Remarks
55	Columbidae	*Spilopelia chinensis*	Spotted dove	Least Concern	Not Assessed	No	Abundant	Resident breeder	Yes	Yes	Also recorded from camera trap
56	Columbidae	*Treron curvirostra*	Thick-billed green pigeon	Least Concern	Endangered	Yes	Uncommon	Resident breeder	Yes	No	
57	Columbidae	*Treron vernans*	Pink-necked green pigeon	Least Concern	Not Assessed	No	Abundant	Resident breeder	Yes	Yes	
58	Coraciidae	*Eurystomus orientalis*	Oriental dollarbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
59	Corvidae	*Corvus macrorhynchos*	Large-billed crow	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	Yes	
60	Corvidae	*Corvus splendens*	House crow	Least Concern	Not Assessed	No	Common	Introduced resident breeder	Yes	Yes	
61	Cuculidae	*Cacomantis merulinus*	Plaintive cuckoo	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No	
62	Cuculidae	*Cacomantis sepulcralis*	Rusty-breasted cuckoo	Least Concern	Vulnerable	Yes	Uncommon	Resident breeder	Yes	No	
63	Cuculidae	*Cacomantis sonneratii*	Banded bay cuckoo	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No	
64	Cuculidae	*Centropus bengalensis*	Lesser coucal	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	
65	Cuculidae	*Centropus sinensis*	Greater coucal	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	Yes	
66	Cuculidae	*Chrysococcyx minutillus*	Little bronze-cuckoo	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	
67	Cuculidae	*Chrysococcyx xanthorhynchus*	Violet cuckoo	Least Concern	Endangered	Yes	Uncommon	Resident breeder	Yes	No	
68	Cuculidae	*Clamator coromandus*	Chestnut-winged cuckoo	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
69	Cuculidae	*Cuculus micropterus*	Indian cuckoo	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
70	Cuculidae	*Eudynamys scolopaceus*	Asian koel	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
71	Cuculidae	*Hierococcyx nisicolor*	Hodgson's hawk cuckoo	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	Yes	
72	Cuculidae	*Phaenicophaeus sumatranus*	Chestnut-bellied malkoha	Near Threatened	Not Assessed	No	Uncommon	Resident breeder	Yes	No	
73	Cuculidae	*Surniculus lugubris*	Square-tailed drongo-cuckoo	Least Concern	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	No	
74	Dicaeidae	*Dicaeum cruentatum*	Scarlet-backed flowerpecker	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
75	Dicaeidae	*Dicaeum trigonostigma*	Orange-bellied flowerpecker	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	
76	Dicruridae	*Dicrurus annectans*	Crow-billed drongo	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
77	Dicruridae	*Dicrurus paradiseus*	Greater racket-tailed drongo	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
78	Estrildidae	*Lonchura punctulata*	Scaly-breasted munia	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	Recorded in NSS, 2021
79	Hemiprocnidae	*Hemiprocne longipennis*	Grey-rumped treeswift	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
80	Hirundinidae	*Cecropis daurica*	Red-rumped swallow	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
81	Hirundinidae	*Hirundo rustica*	Barn swallow	Least Concern	Not Assessed	No	Abundant	Winter visitor	Yes	No	
82	Hirundinidae	*Hirundo tahitica*	Pacific swallow	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
83	Irenidae	*Irena puella*	Asian fairy-bluebird	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No	
84	Laniidae	*Lanius cristatus*	Brown shrike	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	No	Recorded in NSS, 2021
85	Laniidae	*Lanius tigrinus*	Tiger shrike	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	Yes	
86	Leiothrichidae	*Garrulax leucolophus*	White-crested laughingthrush	Least Concern	Not Assessed	No	Common	Introduced resident breeder	Yes	Yes	Also recorded from camera trap
87	Megalaimidae	*Psilopogon haemacephalus*	Coppersmith barbet	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
88	Megalaimidae	*Psilopogon lineatus*	Lineated barbet	Least Concern	Not Assessed	No	Uncommon	Introduced resident breeder	Yes	Yes	
89	Megalaimidae	*Psilopogon rafflesii*	Red-crowned barbet	Near Threatened	Not Assessed	No	Uncommon	Resident breeder	Yes	No	
90	Meropidae	*Merops philippinus*	Blue-tailed bee-eater	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	No	Recorded in NSS, 2021
91	Meropidae	*Merops viridis*	Blue-throated bee-eater	Least Concern	Not Assessed	No	Common	Migrant breeder	Yes	Yes	
92	Monarchidae	*Terpsiphone affinis*	Blyth's paradise flycatcher	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	

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93	Monarchidae	*Terpsiphone atrocaudata*	Japanese paradise flycatcher	Near Threatened	Not Assessed	No	Rare	Passage migrant	Yes	No	
94	Monarchidae	*Terpsiphone incei*	Amur paradise flycatcher	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	No	
95	Motacillidae	*Anthus rufulus*	Paddyfield pipit	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	
96	Motacillidae	*Dendronanthus indicus*	Forest wagtail	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	Yes	
97	Motacillidae	*Motacilla cinerea*	Grey wagtail	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
98	Muscicapidae	*Copsychus malabaricus*	White-rumped shama	Least Concern	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	No	
99	Muscicapidae	*Copsychus saularis*	Oriental magpie-robin	Least Concern	Endangered	Yes	Uncommon	Resident breeder	Yes	Yes	
100	Muscicapidae	*Cyanoptila cumatilis*	Zappey's flycatcher	Least Concern	Not Assessed	No	Rare	Passage migrant	Yes	No	
101	Muscicapidae	*Cyanoptila cyanomelana*	Blue-and-white flycatcher	Least Concern	Not Assessed	No	Rare	Passage migrant	Yes	No	
102	Muscicapidae	*Cyornis brunneatus*	Brown-chested jungle flycatcher	Vulnerable	Not Assessed	Yes	Uncommon	Winter visitor	Yes	No	
103	Muscicapidae	*Ficedula elisae*	Green-backed flycatcher	Least Concern	Not Assessed	No	Rare	Winter visitor	Yes	No	
104	Muscicapidae	*Ficedula mugimaki*	Mugimaki flycatcher	Least Concern	Not Assessed	No	Uncommon	Passage migrant	Yes	No	
105	Muscicapidae	*Ficedula zanthopygia*	Yellow-rumped flycatcher	Least Concern	Not Assessed	No	Uncommon	Passage migrant	Yes	Yes	
106	Muscicapidae	*Larvivora cyane*	Siberian blue robin	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	Yes	Recorded from camera trap
107	Muscicapidae	*Muscicapa dauurica*	Asian brown flycatcher	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	Yes	
108	Muscicapidae	*Muscicapa ferruginea*	Ferruginous flycatcher	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
109	Muscicapidae	*Muscicapa sibirica*	Dark-sided flycatcher	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
110	Muscicapidae	*Muscicapa williamsoni*	Brown-streaked flycatcher	Least Concern	Not Assessed	No	Rare	Winter visitor	Yes	No	
111	Nectariniidae	*Aethopyga siparaja*	Crimson sunbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
112	Nectariniidae	*Anthreptes malacensis*	Brown-throated sunbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
113	Nectariniidae	*Arachnothera longirostra*	Little spiderhunter	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No	
114	Nectariniidae	*Cinnyris jugularis*	Olive-backed sunbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
115	Nectariniidae	*Leptocoma brasiliana*	Van Hasselt's sunbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	
116	Oriolidae	*Oriolus chinensis*	Black-naped oriole	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
117	Pandionidae	*Pandion haliaetus*	Western osprey	Least Concern	Not Assessed	No	Common	Non-breeding visitor	Yes	No	
118	Passeridae	*Passer montanus*	Eurasian tree sparrow	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	Recorded in NSS, 2021
119	Pellorneidae	*Malacocincla abbotti*	Abbott's babbler	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No	
120	Phasianidae	*Gallus gallus*	Red junglefowl	Least Concern	Endangered	Yes	Uncommon	Resident breeder	Yes	Yes	Also recorded from camera trap
121	Phasianidae	*Gallus gallus (domestic)*	Domestic chicken	Not Assessed	Not Assessed	No	NA	Introduced	Yes	Yes	Recorded from camera trap
122	Phylloscopidae	*Phylloscopus borealis*	Arctic warbler	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	Yes	
123	Phylloscopidae	*Phylloscopus borealoides*	Sakhalin leaf warbler	Least Concern	Not Assessed	No	Rare	Accidental visitor	Yes	No	
124	Phylloscopidae	*Phylloscopus coronatus*	Eastern crowned warbler	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	Yes	
125	Phylloscopidae	*Phylloscopus inornatus*	Yellow-browed warbler	Least Concern	Not Assessed	No	Rare	Winter visitor	Yes	No	
126	Picidae	*Chrysophlegma miniaceum*	Banded woodpecker	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
127	Picidae	*Dinopium javanense*	Common flameback	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
128	Picidae	*Micropternus brachyurus*	Rufous woodpecker	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	Yes	
129	Picidae	*Picus vittatus*	Laced woodpecker	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	Also recorded from camera trap
130	Picidae	*Yungipicus moluccensis*	Sunda pygmy woodpecker	Least Concern	Not Assessed	No	Abundant	Resident breeder	Yes	No	Recorded in NSS, 2021
131	Pittidae	*Pitta moluccensis*	Blue-winged pitta	Least Concern	Not Assessed	No	Uncommon	Migrant breeder	Yes	No	
132	Pittidae	*Pitta sordida*	Hooded pitta	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008)	Species of Conservation Significance	Distribution/Rarity (NSS, 2020; Singapore Birds Project, 2021)	Native status (NSS, 2020; Singapore Birds Project, 2021)	Probable species	Recorded species	Remarks
133	Psittaculidae	*Eos bornea*	Red lory	Least Concern; CITES protected (Appendix II)	Not Assessed	No	NA	Introduced	No	Yes	
134	Psittaculidae	*Loriculus galgulus*	Blue-crowned hanging-parrot	Least Concern; CITES protected (Appendix II)	Endangered	Yes	Uncommon	Resident breeder	Yes	Yes	
135	Psittaculidae	*Psittacula alexandri*	Red-breasted parakeet	Near Threatened; CITES protected (Appendix II)	Not Assessed	No	Common	Introduced resident breeder	Yes	Yes	
136	Psittaculidae	*Psittacula krameri*	Rose-ringed parakeet	Least Concern	Not Assessed	No	Uncommon	Introduced resident breeder	Yes	Yes	
137	Psittaculidae	*Psittacula longicauda*	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Not Assessed	Yes	Common	Resident breeder	Yes	Yes	
138	Psittaculidae	*Psittinus cyanurus*	Blue-rumped parrot	Near Threatened; CITES protected (Appendix II)	Critically Endangered	Yes	Uncommon	Resident, breeding not proven	Yes	No	
139	Psittaculidae	*Trichoglossus haematodus*	Coconut lorikeet	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Uncommon	Introduced resident breeder	Yes	Yes	
140	Pycnonotidae	*Hemixos cinereus*	Cinereous bulbul	Least Concern	Not Assessed	No	Uncommon	Non-breeding visitor	Yes	No	
141	Pycnonotidae	*Pycnonotus brunneus*	Asian red-eyed bulbul	Least Concern	Endangered	Yes	Uncommon	Resident breeder	Yes	No	
142	Pycnonotidae	*Pycnonotus goiavier*	Yellow-vented bulbul	Least Concern	Not Assessed	No	Abundant	Resident breeder	Yes	Yes	
143	Pycnonotidae	*Pycnonotus jocosus*	Red-whiskered bulbul	Least Concern	Not Assessed	No	Uncommon	Introduced resident breeder	Yes	Yes	
144	Pycnonotidae	*Pycnonotus plumosus*	Olive-winged bulbul	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
145	Pycnonotidae	*Pycnonotus zeylanicus*	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix II)	Endangered	Yes	Uncommon	Resident breeder	Yes	Yes	
146	Rallidae	*Amaurornis phoenicurus*	White-breasted waterhen	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	Also recorded from camera trap
147	Rallidae	*Lewinia striata*	Slaty-breasted rail	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	Yes	
148	Rallidae	*Rallina fasciata*	Red-legged crake	Least Concern	Vulnerable	Yes	Uncommon	Resident breeder	Yes	Yes	Also recorded from camera trap
149	Rhipiduridae	*Rhipidura javanica*	Malaysian pied fantail	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	
150	Strigidae	*Bubo sumatranus*	Barred eagle-owl	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Rare	Resident breeder	Yes	No	
151	Strigidae	*Ketupa ketupu*	Buffy fish owl	Least Concern; CITES protected (Appendix II)	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	No	
152	Strigidae	*Ninox scutulata*	Brown hawk-owl	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Common	Resident breeder	Yes	No	
153	Strigidae	*Otus lempiji*	Sunda scops owl	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Common	Resident breeder	Yes	Yes	Also recorded from camera trap

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008)	Species of Conservation Significance	Distribution/Rarity (NSS, 2020; Singapore Birds Project, 2021)	Native status (NSS, 2020; Singapore Birds Project, 2021)	Probable species	Recorded species	Remarks
154	Strigidae	*Otus sunia*	Oriental scops owl	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Rare	Winter visitor	Yes	No	
155	Strigidae	*Strix seloputo*	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	Yes	
156	Sturnidae	*Acridotheres javanicus*	Javan myna	Least Concern	Not Assessed	No	Abundant	Introduced resident breeder	Yes	Yes	Also recorded from camera trap
157	Sturnidae	*Acridotheres tristis*	Common myna	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	
158	Sturnidae	*Agropsar philippensis*	Chestnut-cheeked starling	Least Concern	Not Assessed	No	Rare	Accidental visitor	Yes	No	Recorded in NSS, 2021
159	Sturnidae	*Agropsar sturninus*	Daurian starling	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	No	Recorded in NSS, 2021
160	Sturnidae	*Aplonis panayensis*	Asian glossy starling	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
161	Sturnidae	*Gracula religiosa*	Common hill myna	Least Concern; CITES protected (Appendix I)	Not Assessed	No	Uncommon	Resident breeder	Yes	Yes	
162	Timaliidae	*Mixornis gularis*	Pin-striped tit-babbler	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
163	Turdidae	*Geokichla citrina*	Orange-headed thrush	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
164	Turdidae	*Geokichla sibirica*	Siberian thrush	Least Concern	Not Assessed	No	Rare	Passage migrant	Yes	No	
165	Turdidae	*Turdus obscurus*	Eyebrowed thrush	Least Concern	Not Assessed	No	Uncommon	Passage migrant	Yes	No	
166	Tytonidae	*Tyto javanica*	Eastern barn owl	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Uncommon	Resident breeder	Yes	No	
167	Zosteropidae	*Zosterops simplex*	Swinhoe's white-eye	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008)	Species of conservation significance	Distribution/Rarity (Baker & Lim, 2012)	Native status (Baker & Lim, 2012)	Probable species	Recorded species	Remarks
1	Canidae	*Canis lupus familiaris*	Feral dog	Not Assessed	Not Assessed	No	NA	Non-native	Yes	Yes	Recorded from camera trap
2	Cercopithecidae	*Macaca fascicularis*	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Yes	Widespread and Common	Native	Yes	Yes	Also recorded from camera trap
3	Cynocephalidae	*Galeopterus variegatus*	Sunda colugo	Least Concern	Near Threatened	No	Restricted but Common	Native	Yes	Yes	
4	Felidae	*Felis catus*	Feral cat	Not Assessed	Not Assessed	No	NA	Non-native	Yes	No	Recorded in NSS, 2021
5	Manidae	*Manis javanica*	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Yes	Widespread but Rare	Native	Yes	Yes	Recorded from camera trap
6	Muridae	*Mus musculus*	House mouse	Least Concern	Not Assessed	No	Widespread and Common	Native	Yes	No	
7	Muridae	*Sundamys annandalei*	Annandale's rat	Least Concern	Not Assessed	No	Restricted but Common	Native	Yes	No	
8	Muridae	*Rattus exulans*	Pacific rat	Least Concern	Least Concern	No	Widespread but Uncommon	Native	Yes	No	
9	Muridae	*Rattus norvegicus*	Brown rat	Least Concern	Not Assessed	No	Widespread and Common	Non-native	Yes	No	
10	Muridae	*Rattus tanezumi*	Asian house rat	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No	
11	Muridae	*Rattus tiomanicus*	Malaysian wood rat	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No	
	Muridae	*Rattus sp.*	NA	NA	NA	NA	NA	NA	NA	Yes	Recorded from camera trap
12	Sciuridae	*Callosciurus notatus*	Plantain squirrel	Least Concern	Not Assessed	No	Widespread and Common	Native	Yes	Yes	Also recorded from camera trap
13	Sciuridae	*Sundasciurus tenuis*	Slender squirrel	Least Concern	Least Concern	No	Restricted but Common	Native	Yes	Yes	Also recorded from camera trap
14	Soricidae	*Suncus murinus*	House shrew	Least Concern	Not Assessed	No	Widespread and Common	Native	Yes	No	
15	Suidae	*Sus scrofa*	Eurasian wild boar	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes	Recorded from camera trap
16	Tupaiidae	*Tupaia glis*	Common treeshrew	Least Concern	Not Assessed	No	Widespread and Common	Native	Yes	Yes	Recorded from camera trap
17	Viverridae	*Paradoxurus musangus*	Sumatran palm civet	Least Concern	Least Concern	No	Widespread but Uncommon	Native	Yes	Yes	Also recorded from camera trap

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008)	Species of onservation significance	Distribution/Rarity (Baker & Lim, 2012)	Native status (Baker & Lim, 2012)	Probable species	Recorded species	Remarks
1	Emballonuridae	*Saccolaimus saccolaimus*	Pouch tomb bat	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes	Recorded via acoustic sampling
2	Emballonuridae	*Taphozous melanopogon*	Black-bearded tomb bat	Least Concern	Least Concern	No	Widespread but Rare	Native	Yes	Yes	Recorded via acoustic sampling
3	Pteropodidae	*Cynopterus brachyotis*	Lesser short-nosed fruit bat	Least Concern	Not Assessed	No	Widespread and Common	Native	Yes	Yes	
4	Pteropodidae	*Eonycteris spelaea*	Cave nectar bat	Least Concern	Vulnerable	Yes	Widespread but Uncommon	Native	Yes	No	
5	Rhinolophidae	*Rhinolophus refulgens*	Glossy horseshoe bat	Least Concern	Not Assessed	No	Restricted but Common	Native	Yes	Yes	Recorded via acoustic sampling
6	Vespertilionidae	*Myotis muricola*	Asian whiskered myotis	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes	Recorded via acoustic sampling
7	Vespertilionidae	*Myotis horsfieldii*	Horsfield's myotis	Least Concern	Least Concern	No	NA	Native	No	Yes	Recorded via acoustic sampling
8	Vespertilionidae	*Pipistrellus javanicus*	Javan pipistrelle	Least Concern	Not Assessed	No	Widespread but Uncommon	Native	Yes	Yes	Recorded via acoustic sampling
9	Vespertilionidae	*Scotophilus kuhlii*	Lesser Asian house bat	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes	Recorded via acoustic sampling
10	Vespertilionidae	*Tylonycteris fulvida*	Lesser bamboo bat	Least Concern	Vulnerable	Yes	Restricted and Rare	Native	Yes	No	
11	Vespertilionidae	*Tylonycteris malayana*	Greater bamboo bat	Least Concern	Vulnerable	Yes	Widespread and Common	Native	Yes	No	
	Vespertilionidae	*Tylonycteris* sp.	Bamboo bat	NA	NA	Yes	NA	NA	NA	Yes	Also recorded via acoustic sampling

Appendix H2

List of Probable Recorded Species at Holland Plain (Sites IV and V)

Faunal group	Total no. of probable species		Total no. of recorded species		Total no. of recorded species not on probable list (CS species)
	All species	CS species	All species	CS species	
Aculeate hymenopterans	82	0	11	0	0
Bees	42	0	6	0	0
Stinging wasps	40	0	5	0	0
Odonates	54	4	29	1	0
Dragonflies	43	3	25	1	0
Damselflies	11	1	4	0	0
Butterflies	175	16	20	1	0
Freshwater decapod crustaceans	2	0	0	0	0
Freshwater fish	6	0	1	0	0
Herpetofauna	48	2	16	0	0
Amphibians	16	0	11	0	0
Reptiles	32	2	5	0	0
Birds	164	21	71	8	0
Mammals	27	6	12	1	0
Non-volant mammals	16	3	5	1	0
Bats	11	3	7	0	0
Total	**558**	**49**	**160**	**11**	**0**

S/N	Type	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Ascher et al. (in prep); JXQ Lee, pers comm)	Species of conservation significance	Native status (The Biodiversity of Singapore, 2020; JXQ Lee, pers comm)	Probable species	Recorded species	Remarks
1	Bee	Apidae	*Amegilla andrewsi*	Andrew's blue-banded digger bee	Not Assessed	Least Concern	No	Native	Yes	Yes	
2	Bee	Apidae	*Amegilla korotonensis*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
3	Bee	Apidae	*Apis andreniformis*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
4	Bee	Apidae	*Apis cerana*	Eastern honey bee	Not Assessed	Least Concern	No	Native	Yes	Yes	
5	Bee	Apidae	*Apis dorsata*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
6	Bee	Apidae	*Apis florea*	NA	Not Assessed	Not Assessed	No	Non-native	Yes	Yes	
7	Bee	Apidae	*Braunsapis clarihirta*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
8	Bee	Apidae	*Braunsapis cupulifera**	NA	Not Assessed	Least Concern	No	Native	Yes	No	
9	Bee	Apidae	*Braunsapis hewitti**	NA	Not Assessed	Least Concern	No	Native	Yes	No	
10	Bee	Apidae	*Braunsapis puangensis*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
11	Bee	Apidae	*Ceratina collusor*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
12	Bee	Apidae	*Ceratina lieftincki*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
13	Bee	Apidae	*Ceratina negrolateralis*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
14	Bee	Apidae	*Ceratina dentipes*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
15	Bee	Apidae	*Ceratina smaragdula*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
16	Bee	Apidae	*Ceratina unimaculata*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
17	Bee	Apidae	*Tetragonula valdezi*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
18	Bee	Apidae	*Thyreus ceylonicus*	NA	Not Assessed	Least Concern	No	Native	Yes	Yes	
19	Bee	Apidae	*Thyreus himalayensis*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
20	Bee	Apidae	*Xylocopa aestuans*	White-cheeked carpenter bee	Not Assessed	Least Concern	No	Native	Yes	No	
21	Bee	Apidae	*Xylocopa caerulea*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
22	Bee	Apidae	*Xylocopa flavonigrescens*	NA	Not Assessed	Least Concern	No	Native	Yes	Yes	
23	Bee	Apidae	*Xylocopa insularis*	NA	Not Assessed	Data Deficient	No	Native	Yes	No	Specimens collected from this area in
24	Bee	Apidae	*Xylocopa latipes*	Broad-handed carpenter bee	Not Assessed	Least Concern	No	Native	Yes	Yes	
25	Bee	Apidae	*Xylocopa myops*	NA	Not Assessed	Data Deficient	No	Native	Yes	No	Specimens collected from this area in
26	Bee	Colletidae	*Hylaeus penangensis*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
27	Bee	Halictidae	*Lasioglossum deliense*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
28	Bee	Halictidae	*Lasioglossum vagans*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
29	Bee	Halictidae	*Lasioglossum adonidiae*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
30	Bee	Halictidae	*Lipotriches takauensis*	NA	Not Assessed	Vulnerable	Yes	Native	Yes	No	
31	Bee	Halictidae	*Lipotriches ceratina*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
32	Bee	Halictidae	*Nomia strigata*	Pearly-banded bee	Not Assessed	Least Concern	No	Native	Yes	No	
33	Bee	Halictidae	*Nomia incerta*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
34	Bee	Halictidae	*Patellapis murbanus*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
35	Bee	Halictidae	*Pseudapis siamensis*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
36	Bee	Megachilidae	*Coelioxys confusus*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
37	Bee	Megachilidae	*Euaspis polynesia*	NA	Not Assessed	Least Concern	No	Native	Yes	No	

S/N	Type	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Ascher et al. (in prep); JXQ Lee, pers comm)	Species of conservation significance	Native status (The Biodiversity of Singapore, 2020; JXQ Lee, pers comm)	Probable species	Recorded species	Remarks
38	Bee	Megachilidae	*Megachile conjuncta*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
39	Bee	Megachilidae	*Megachile laticeps*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
40	Bee	Megachilidae	*Megachile disjuncta*	NA	Not Assessed	Least Concern	No	Non-native	Yes	No	
41	Bee	Megachilidae	*Megachile umbripennis*	NA	Not Assessed	Least Concern	No	Non-native	Yes	No	
42	Bee	Megachilidae	*Megachile subrixator*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
43	Stinging Wasp	Crabronidae	*Liris subtessellatus*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
44	Stinging Wasp	Crabronidae	*Tachytes sp.*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
45	Stinging Wasp	Crabronidae	*Trypoxylon sp.*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
46	Stinging Wasp	Pompilidae	*Auplopus sp.*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
47	Stinging Wasp	Pompilidae	*Paragenia argentifrons*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
48	Stinging Wasp	Pompilidae	*Tachypompilus analis*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
49	Stinging Wasp	Scoliidae	*Campsomeriella collaris*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
50	Stinging Wasp	Scoliidae	*Phalerimeris phalerata*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
51	Stinging Wasp	Sphecidae	*Chalybion bengalense*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
52	Stinging Wasp	Sphecidae	*Isodontia diodon*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
53	Stinging Wasp	Sphecidae	*Sceliphron javanum*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
54	Stinging Wasp	Sphecidae	*Sceliphron madraspatanum*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
55	Stinging Wasp	Sphecidae	*Sphex diabolicus*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
56	Stinging Wasp	Sphecidae	*Sphex sericeus*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
57	Stinging Wasp	Sphecidae	*Sphex subtruncatus*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
58	Stinging Wasp	Vespidae	*Allorhynchium argentatum*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
59	Stinging Wasp	Vespidae	*Antepipona sp. nr. bipustulata*	NA	Not Assessed	Least Concern	No	Native	Yes	Yes	
60	Stinging Wasp	Vespidae	*Delta campaniforme*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
61	Stinging Wasp	Vespidae	*Delta esuriens*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
62	Stinging Wasp	Vespidae	*Delta pyriforme*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
63	Stinging Wasp	Vespidae	*Elimus sp.*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
64	Stinging Wasp	Vespidae	*Eumenes sp.*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
65	Stinging Wasp	Vespidae	*Liostenogaster nitidipennis*	NA	Not Assessed	Near Threatened	No	Native	Yes	No	
66	Stinging Wasp	Vespidae	*Liostenogaster varipicta*	NA	Not Assessed	Near Threatened	No	Native	Yes	Yes	
67	Stinging Wasp	Vespidae	*Parapolybia varia*	Lesser paper wasp	Not Assessed	Near Threatened	No	Native	Yes	No	
68	Stinging Wasp	Vespidae	*Parischnogaster mellyi*	NA	Not Assessed	Least Concern	No	Native	Yes	Yes	
69	Stinging Wasp	Vespidae	*Parischnogaster nigricans*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
70	Stinging Wasp	Vespidae	*Phimenes flavopictus*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
71	Stinging Wasp	Vespidae	*Polistes sagittarius*	Banded paper wasp	Not Assessed	Least Concern	No	Native	Yes	No	
72	Stinging Wasp	Vespidae	*Rhynchium haemorrhoidale*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
73	Stinging Wasp	Vespidae	*Ropalidia erythrospila*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
74	Stinging Wasp	Vespidae	*Ropalidia jacobsoni*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
75	Stinging Wasp	Vespidae	*Ropalidia stigma*	NA	Not Assessed	Least Concern	No	Native	Yes	No	

S/N	Type	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Ascher et al. (in prep); JXQ Lee, pers comm)	Species of conservation significance	Native status (The Biodiversity of Singapore, 2020; JXQ Lee, pers comm)	Probable species	Recorded species	Remarks
76	Stinging Wasp	Vespidae	*Ropalidia sumatrae*	NA	Not Assessed	Least Concern	No	Native	Yes	Yes	
77	Stinging Wasp	Vespidae	*Ropalidia timida*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
78	Stinging Wasp	Vespidae	*Stenodyneriellus guttulatus*	NA	Not Assessed	Least Concern	No	Native	Yes	Yes	
79	Stinging Wasp	Vespidae	*Subancistrocerus sichelii*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
80	Stinging Wasp	Vespidae	*Vespa affinis*	Lesser banded hornet	Not Assessed	Least Concern	No	Native	Yes	No	
81	Stinging Wasp	Vespidae	*Vespa analis*	NA	Not Assessed	Least Concern	No	Native	Yes	No	
82	Stinging Wasp	Vespidae	*Vespa tropica*	Greater banded hornet	Not Assessed	Least Concern	No	Native	Yes	No	
*Based on Ascher et al. (in prep), both the taxonomic revision of Braunsapis and preliminary DNA barcoding results from Singapore suggests that both *B. cupulifera* and *B. hewitti* may be species											

S/N	Type	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Soh et al., 2019)	Species of conservation significance	Distribution/Rarity (Soh et al. 2019)	Probable species	Recorded species
1	Damselfly	Coenagrionidae	*Agriocnemis femina*	Variable wisp	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes
2	Damselfly	Coenagrionidae	*Agriocnemis rubescens*	Variable sprite	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	No
3	Damselfly	Coenagrionidae	*Archibasis viola*	Violet sprite	Least Concern	Least Concern	No	Widespread and Common	Yes	No
4	Damselfly	Coenagrionidae	*Ceriagrion cerinorubellum*	Ornate coraltail	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes
5	Damselfly	Coenagrionidae	*Ischnura senegalensis*	Common bluetail	Least Concern	Least Concern	No	Widespread and Common	Yes	No
6	Damselfly	Coenagrionidae	*Mortonagrion falcatum*	Hooked midget	Least Concern	Critically Endangered	Yes	Restricted and Very Rare	Yes	No
7	Damselfly	Coenagrionidae	*Onychargia atrocyana*	Shorttail	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	No
8	Damselfly	Coenagrionidae	*Pseudagrion microcephalum*	Blue sprite	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes
9	Damselfly	Coenagrionidae	*Teinobasis ruficollis*	Red-tailed sprite	Not Assessed	Near Threatened	No	Widespread but Rare	Yes	No
10	Damselfly	Lestidae	*Lestes praemorsus*	Crenulated spreadwing	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	Yes
11	Damselfly	Platycnemididae	*Copera marginipes*	Yellow featherlegs	Least Concern	Least Concern	No	Widespread and Common	Yes	No
12	Dragonfly	Aeshnidae	*Anax guttatus*	Emperor	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	Yes
13	Dragonfly	Aeshnidae	*Gynacantha bayadera*	Small duskhawker	Least Concern	Vulnerable	Yes	Restricted and Rare	Yes	No
14	Dragonfly	Aeshnidae	*Gynacantha dohrni*	Spear-tail duskhawker	Not Assessed	Least Concern	No	Widespread but Uncommon	Yes	No
	Dragonfly	Aeshnidae	*Gynacantha sp.*	NA	NA	NA	NA	NA	NA	Yes
15	Dragonfly	Aeshnidae	*Gynacantha subinterrupta*	Dingy duskhawker	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	No
16	Dragonfly	Gomphidae	*Ictinogomphus decoratus*	Common flangetail	Least Concern	Least Concern	No	Widespread and Common	Yes	No
17	Dragonfly	Libellulidae	*Acisoma panorpoides*	Trumpet tail	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes
18	Dragonfly	Libellulidae	*Aethriamanta brevipennis*	Scarlet adjudant	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	No
19	Dragonfly	Libellulidae	*Aethriamanta gracilis*	Pond adjudant	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes
20	Dragonfly	Libellulidae	*Agrionoptera insignis*	Grenadier	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes
21	Dragonfly	Libellulidae	*Brachydiplax chalybea*	Blue dasher	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes
22	Dragonfly	Libellulidae	*Brachythemis contaminata*	Common amberwing	Least Concern	Least Concern	No	Widespread and Common	Yes	No
23	Dragonfly	Libellulidae	*Camacinia gigantea*	Sultan	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	Yes
24	Dragonfly	Libellulidae	*Cratilla metallica*	Dark-tipped forest skimmer	Least Concern	Least Concern	No	Widespread and Common	Yes	No
25	Dragonfly	Libellulidae	*Crocothemis servilia*	Common scarlet	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes
26	Dragonfly	Libellulidae	*Diplacodes nebulosa*	Black-tipped percher	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	Yes
27	Dragonfly	Libellulidae	*Diplacodes trivialis*	Blue percher	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes
28	Dragonfly	Libellulidae	*Hydrobasileus croceus*	Water monarch	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes
29	Dragonfly	Libellulidae	*Indothemis carnatica*	White-tipped demon	Near Threatened	Critically Endangered	Yes	Restricted and Very Rare	Yes	No
30	Dragonfly	Libellulidae	*Indothemis limbata*	Restless demon	Least Concern	Endangered	Yes	Restricted and Uncommon	Yes	Yes
31	Dragonfly	Libellulidae	*Lathrecista asiatica*	Scarlet grenadier	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes
32	Dragonfly	Libellulidae	*Nannophya pygmaea*	Scarlet pygmy	Least Concern	Least Concern	No	Widespread and Common	Yes	No
33	Dragonfly	Libellulidae	*Nesoxenia lineata*	Striped grenadier	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	Yes
34	Dragonfly	Libellulidae	*Neurothemis fluctuans*	Common parasol	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes
35	Dragonfly	Libellulidae	*Orchithemis pulcherrima*	Variable sentinel	Least Concern	Least Concern	No	Widespread and Common	Yes	No
36	Dragonfly	Libellulidae	*Orthetrum chrysis*	Spine-tufted skimmer	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes
37	Dragonfly	Libellulidae	*Orthetrum glaucum*	Common blue skimmer	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes
38	Dragonfly	Libellulidae	*Orthetrum luzonicum*	Slender blue skimmer	Least Concern	Least Concern	No	Widespread and Common	Yes	No
39	Dragonfly	Libellulidae	*Orthetrum sabina*	Variegated green skimmer	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes
40	Dragonfly	Libellulidae	*Orthetrum testaceum*	Scarlet skimmer	Least Concern	Least Concern	No	Widespread and Common	Yes	No
41	Dragonfly	Libellulidae	*Pantala flavescens*	Wandering glider	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes
42	Dragonfly	Libellulidae	*Potamarcha congener*	Common chaser	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes
43	Dragonfly	Libellulidae	*Pseudothemis jorina*	Banded skimmer	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	No
44	Dragonfly	Libellulidae	*Rhodothemis rufa*	Common redbolt	Least Concern	Least Concern	No	Widespread and Common	Yes	No
45	Dragonfly	Libellulidae	*Rhyothemis obsolescens*	Bronze flutterer	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	No
46	Dragonfly	Libellulidae	*Rhyothemis phyllis*	Yellow-barred flutterer	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes
47	Dragonfly	Libellulidae	*Rhyothemis triangularis*	Sapphire flutterer	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	Yes
48	Dragonfly	Libellulidae	*Tholymis tillarga*	White-barred duskhawk	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes
49	Dragonfly	Libellulidae	*Tramea transmarina*	Saddlebag glider	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes
50	Dragonfly	Libellulidae	*Trithemis aurora*	Crimson dropwing	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes
51	Dragonfly	Libellulidae	*Trithemis festiva*	Indigo dropwing	Least Concern	Least Concern	No	Widespread and Common	Yes	No
52	Dragonfly	Libellulidae	*Trithemis pallidinervis*	Dancing dropwing	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	No

S/N	Type	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Soh et al., 2019)	Species of conservation significance	Distribution/Rarity (Soh et al. 2019)	Probable species	Recorded species
53	Dragonfly	Libellulidae	*Urothemis signata*	Scarlet basker	Not Assessed	Least Concern	No	Widespread and Common	Yes	No
54	Dragonfly	Libellulidae	*Zyxomma petiolatum*	Slender duskdarter	Least Concern	Least Concern	No	Widespread and Common	Yes	No

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Soh et al., 2019)	Species of conservation significance	Distribution/Rarity (Soh et al. 2019)	Probable species	Recorded species
1	Hesperiidae	*Ampittia dioscorides camertes*	Bush hopper	Not Assessed	Not Assessed	No	Moderately common	Yes	No
2	Hesperiidae	*Ancistroides nigrita maura*	Chocolate demon	Not Assessed	Not Assessed	No	Common	Yes	No
3	Hesperiidae	*Astictopterus jama jama*	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Yes	No
4	Hesperiidae	*Baoris farri farri*	Bamboo paintbrush swift	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
5	Hesperiidae	*Baoris oceia*	Paintbrush swift	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
6	Hesperiidae	*Borbo cinnara*	Formosan swift	Not Assessed	Endangered	Yes	Moderately common	Yes	No
7	Hesperiidae	*Bibasis harisa consobrina*	Orange awlet	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
8	Hesperiidae	*Caltoris cormasa*	Full stop swift	Not Assessed	Not Assessed	No	Moderately rare	Yes	Yes
9	Hesperiidae	*Caltoris malaya*	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Yes	No
10	Hesperiidae	*Cephrenes acalle niasicus*	Plain palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Yes	No
11	Hesperiidae	*Cephrenes trichopepla*	Yellow palm dart	Not Assessed	Not Assessed	No	Common	Yes	No
12	Hesperiidae	*Erionota acroleuca apicalis*	White tipped banana skipper	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
13	Hesperiidae	*Erionota thrax thrax*	Banana skipper	Not Assessed	Not Assessed	No	Moderately common	Yes	No
14	Hesperiidae	*Erionota torus*	Torus skipper	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
15	Hesperiidae	*Halpe ormenes vilasina*	Dark banded ace	Not Assessed	Not Assessed	No	Rare	Yes	No
16	Hesperiidae	*Hasora badra badra*	Common awl	Not Assessed	Not Assessed	No	Moderately common	Yes	No
17	Hesperiidae	*Hasora chromus chromus*	Common banded awl	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
18	Hesperiidae	*Hasora vitta vitta*	Plain banded awl	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
19	Hesperiidae	*Hidari irava*	Coconut skipper	Not Assessed	Not Assessed	No	Common	Yes	No
20	Hesperiidae	*Iambrix salsala salsala*	Chestnut bob	Not Assessed	Not Assessed	No	Common	Yes	Yes
21	Hesperiidae	*Iambrix stellifer*	Starry bob	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
22	Hesperiidae	*Matapa aria*	Common redeye	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
23	Hesperiidae	*Notocrypta paralysos varians*	Banded demon	Not Assessed	Not Assessed	No	Moderately common	Yes	No
24	Hesperiidae	*Odina hieroglyphica ortina*	Hieroglyphic flat	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
25	Hesperiidae	*Oriens gola pseudolus*	Common dartlet	Not Assessed	Not Assessed	No	Moderately common	Yes	No
26	Hesperiidae	*Pelopidas agna agna*	Bengal swift	Not Assessed	Endangered	Yes	Moderately common	Yes	No
27	Hesperiidae	*Pelopidas assamensis*	Great swift	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
28	Hesperiidae	*Pelopidas conjunctus conjunctus*	Conjoined swift	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
29	Hesperiidae	*Pelopidas mathias mathias*	Small branded swift	Not Assessed	Not Assessed	No	Common	Yes	Yes
30	Hesperiidae	*Plastingia naga*	Chequered lancer	Not Assessed	Not Assessed	No	Moderately common	Yes	No
31	Hesperiidae	*Polytremis lubricans lubricans*	Contiguous swift	Not Assessed	Not Assessed	No	Common	Yes	Yes
32	Hesperiidae	*Potanthus ganda*	NA	Not Assessed	Not Assessed	No	NA	Yes	No
33	Hesperiidae	*Potanthus omaha omaha*	Lesser dart	Not Assessed	Not Assessed	No	Common	Yes	Yes
34	Hesperiidae	*Potanthus serina*	Large dart	Not Assessed	Not Assessed	No	Moderately common	Yes	No
35	Hesperiidae	*Potanthus trachala tytleri*	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Yes	No
36	Hesperiidae	*Pyroneura latoia latoia*	Yellow vein lancer	Not Assessed	Not Assessed	No	Moderately common	Yes	No
37	Hesperiidae	*Suastus gremius gremius*	Palm bob	Not Assessed	Not Assessed	No	Common	Yes	No
38	Hesperiidae	*Tagiades japetus atticus*	Common snow flat	Not Assessed	Not Assessed	No	Moderately common	Yes	No
39	Hesperiidae	*Taractrocera archias quinta*	Yellow grass dart	Not Assessed	Not Assessed	No	Moderately common	Yes	No
40	Hesperiidae	*Taractrocera ardonia lamia*	Spotted grass dart	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
41	Hesperiidae	*Telicota augias augias*	Pale palm dart	Not Assessed	Not Assessed	No	Moderately common	Yes	No
42	Hesperiidae	*Telicota besta bina*	Besta palm dart	Not Assessed	Not Assessed	No	Moderately common	Yes	No

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43	Hesperiidae	*Telicota colon stinga*	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately common	Yes	No
44	Hesperiidae	*Udaspes folus*	Grass demon	Not Assessed	Not Assessed	No	Moderately common	Yes	No
45	Hesperiidae	*Zographetus doxus*	Spotted flitter	Not Assessed	Not Assessed	No	Rare	Yes	No
46	Lycaenidae	*Acytolepis puspa lambi*	Common hedge blue	Not Assessed	Not Assessed	No	Moderately common	Yes	No
47	Lycaenidae	*Allotinus unicolor unicolor*	Lesser darkwing	Not Assessed	Not Assessed	No	Moderately common	Yes	No
48	Lycaenidae	*Anthene emolus goberus*	Ciliate blue	Not Assessed	Not Assessed	No	Common	Yes	No
49	Lycaenidae	*Anthene lycaenina miya*	Pointed ciliate blue	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
50	Lycaenidae	*Arhopala amphimuta amphimuta*	NA	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately common	Yes	No
51	Lycaenidae	*Arhopala centaurus nakula*	Centaur oakblue	Not Assessed	Not Assessed	No	Moderately common	Yes	No
52	Lycaenidae	*Arhopala major major*	NA	Not Assessed	Data Deficient	No	Common	Yes	No
53	Lycaenidae	*Catochrysops panormus exiguus*	Silver forget-me-not	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
54	Lycaenidae	*Catochrysops strabo strabo*	Forget-me-not	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
55	Lycaenidae	*Catopyrops ancyra*	Ancyra blue	Not Assessed	Vulnerable	Yes	Moderately rare	Yes	No
56	Lycaenidae	*Cheritra freja frigga*	Common imperial	Least Concern	Not Assessed	No	Moderately rare	Yes	No
57	Lycaenidae	*Chilades pandava pandava*	Cycad blue	Not Assessed	Not Assessed	No	Common	Yes	No
58	Lycaenidae	*Curetis saronis sumatrana*	Sumatran sunbeam	Not Assessed	Not Assessed	No	Moderately common	Yes	No
59	Lycaenidae	*Drupadia ravindra moorei*	Common posy	Not Assessed	Not Assessed	No	Common	Yes	No
60	Lycaenidae	*Drupadia ravindra moorei*	Common posy	Not Assessed	Not Assessed	No	Common	Yes	No
61	Lycaenidae	*Eooxylides tharis distanti*	Branded imperial	Not Assessed	Not Assessed	No	Common	Yes	No
62	Lycaenidae	*Euchrysops cnejus cnejus*	Gram blue	Not Assessed	Not Assessed	No	Moderately common	Yes	Yes
63	Lycaenidae	*Everes lacturnus rileyi*	Indian cupid	Not Assessed	Not Assessed	No	Rare	Yes	No
64	Lycaenidae	*Flos apidanus saturatus*	Plain plushblue	Not Assessed	Not Assessed	No	Moderately common	Yes	No
65	Lycaenidae	*Hypolycaena erylus teatus*	Common tit	Not Assessed	Not Assessed	No	Common	Yes	Yes
66	Lycaenidae	*Hypolycaena thecloides thecloides*	Dark tit	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
67	Lycaenidae	*Ionolyce helicon merguiana*	Pointed line blue	Not Assessed	Not Assessed	No	Common	Yes	No
68	Lycaenidae	*Iraota rochana boswelliana*	Scarce silverstreak	Not Assessed	Not Assessed	No	Moderately common	Yes	No
69	Lycaenidae	*Jamides alecto ageladas*	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Yes	No
70	Lycaenidae	*Jamides bochus nabonassar*	Dark caerulean	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
71	Lycaenidae	*Jamides celeno aelianus*	Common caerulean	Not Assessed	Not Assessed	No	Common	Yes	No
72	Lycaenidae	*Lampides boeticus*	Pea blue	Not Assessed	Not Assessed	No	Common	Yes	No
73	Lycaenidae	*Logania marmorata damis*	Pale mottle	Not Assessed	Not Assessed	No	Moderately common	Yes	No
74	Lycaenidae	*Loxura atymnus fuconius*	Yamfly	Not Assessed	Not Assessed	No	Moderately common	Yes	No
75	Lycaenidae	*Megisba malaya sikkima*	Malayan	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
76	Lycaenidae	*Miletus biggsii biggsii*	Bigg's brownwing	Not Assessed	Not Assessed	No	Moderately common	Yes	No
77	Lycaenidae	*Miletus symethus petronius*	Blue brownwing/great brownie	Not Assessed	Not Assessed	No	Moderately common	Yes	No
78	Lycaenidae	*Nacaduba berenice icena*	Rounded sixline blue	Not Assessed	Not Assessed	No	Common	Yes	No
79	Lycaenidae	*Nacaduba beroe neon*	Opaque sixline blue	Not Assessed	Not Assessed	No	Common	Yes	No
80	Lycaenidae	*Nacaduba biocellata*	Two spotted line blue	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
81	Lycaenidae	*Nacaduba kurava nemana*	Transparent sixline blue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately common	Yes	No
82	Lycaenidae	*Nacaduba pavana singapura*	Singapore fourline blue	Not Assessed	Not Assessed	No	Moderately rare	Yes	No

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83	Lycaenidae	*Nacaduba sanaya elioti*	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Yes	No
84	Lycaenidae	*Petrelaea dana dana*	Dingy line blue	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
85	Lycaenidae	*Prosotas dubiosa lumpura*	Tailless line blue	Not Assessed	Not Assessed	No	Common	Yes	No
86	Lycaenidae	*Prosotas nora superdates*	Common line blue	Not Assessed	Not Assessed	No	Moderately common	Yes	No
87	Lycaenidae	*Rapala dieneces dieneces*	Scarlet flash	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
88	Lycaenidae	*Rapala iarbus iarbus*	Common red flash	Not Assessed	Not Assessed	No	Moderately common	Yes	No
89	Lycaenidae	*Rapala manea chozeba*	Slate flash	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
90	Lycaenidae	*Rapala pheretima sequeira*	Copper flash	Not Assessed	Not Assessed	No	Moderately common	Yes	No
91	Lycaenidae	*Rapala suffusa barthema*	Suffused flash	Not Assessed	Not Assessed	No	Moderately common	Yes	No
92	Lycaenidae	*Rapala varuna orseis*	Indigo flash	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
93	Lycaenidae	*Semanga superba deliciosa*	NA	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
94	Lycaenidae	*Spalgis epius epius*	Apefly	Not Assessed	Not Assessed	No	Moderately common	Yes	No
95	Lycaenidae	*Spindasis lohita senama*	Long banded silverline	Not Assessed	Not Assessed	No	Moderately common	Yes	No
96	Lycaenidae	*Spindasis syama terana*	Club silverline	Not Assessed	Not Assessed	No	Moderately common	Yes	No
97	Lycaenidae	*Surendra vivarna amisena*	Acacia blue	Not Assessed	Not Assessed	No	Moderately common	Yes	No
98	Lycaenidae	*Tajuria cippus maxentius*	Peacock royal	Not Assessed	Not Assessed	No	Moderately common	Yes	No
99	Lycaenidae	*Virachola kessuma deliochus*	Pitcher blue	Not Assessed	Not Assessed	No	Rare	Yes	No
100	Lycaenidae	*Zeltus amasa maximinianus*	Fluffy tit	Not Assessed	Not Assessed	No	Moderately common	Yes	No
101	Lycaenidae	*Zizeeria maha serica*	Pale grass blue	Not Assessed	Not Assessed	No	Common	Yes	No
102	Lycaenidae	*Zizina otis lampa*	Lesser grass blue	Not Assessed	Not Assessed	No	Common	Yes	No
103	Lycaenidae	*Zizula hylax pygmaea*	Pygmy grass blue	Not Assessed	Not Assessed	No	Common	Yes	Yes
104	Nymphalidae	*Acraea terpsicore*	Tawny coster	Not Assessed	Not Assessed	No	Common	Yes	Yes
105	Nymphalidae	*Amathusia phidippus phidippus*	Palm king	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
106	Nymphalidae	*Athyma kanwa kanwa*	Dot-dash sergeant	Not Assessed	Not Assessed	No	Rare	Yes	No
107	Nymphalidae	*Athyma nefte subrata*	Colour sergeant	Not Assessed	Not Assessed	No	Common	Yes	No
108	Nymphalidae	*Cethosia cyane*	Leopard lacewing	Not Assessed	Not Assessed	No	Common	Yes	No
109	Nymphalidae	*Danaus chrysippus chrysippus*	Plain tiger	Not Assessed	Not Assessed	No	Common	Yes	No
110	Nymphalidae	*Doleschallia bisaltide bisaltide*	Autumn leaf	Not Assessed	Not Assessed	No	Common	Yes	No
111	Nymphalidae	*Elymnias hypermnestra agina*	Common palmfly	Not Assessed	Not Assessed	No	Common	Yes	No
112	Nymphalidae	*Elymnias panthera panthera*	Tawny palmfly	Not Assessed	Not Assessed	No	Moderately common	Yes	No
113	Nymphalidae	*Euploea midamus singapura*	Blue spotted crow	Not Assessed	Not Assessed	No	Moderately common	Yes	No
114	Nymphalidae	*Euploea mulciber mulciber*	Striped blue crow	Not Assessed	Not Assessed	No	Common	Yes	No
115	Nymphalidae	*Euripus nyctelius euploeoides*	Courtesan	Not Assessed	Critically Endangered	Yes	Rare	Yes	No
116	Nymphalidae	*Euthalia aconthea gurda*	Baron	Not Assessed	Not Assessed	No	Common	Yes	No
117	Nymphalidae	*Euthalia adonia pinwilli*	Green baron	Not Assessed	Not Assessed	No	Moderately common	Yes	No
118	Nymphalidae	*Euthalia monina monina*	Malay baron	Not Assessed	Not Assessed	No	Common	Yes	No
119	Nymphalidae	*Faunis canens arcesilas*	Common faun	Not Assessed	Not Assessed	No	Common	Yes	No
120	Nymphalidae	*Hypolimnas anomala anomala*	Malayan eggfly	Not Assessed	Not Assessed	No	Common	Yes	No
121	Nymphalidae	*Hypolimnas bolina bolina*	Great eggfly	Not Assessed	Not Assessed	No	Moderately common	Yes	No
122	Nymphalidae	*Hypolimnas bolina jacintha*	Jacintha eggfly	Not Assessed	Not Assessed	No	Common	Yes	No
123	Nymphalidae	*Ideopsis vulgaris macrina*	Blue glassy tiger	Not Assessed	Not Assessed	No	Common	Yes	No
124	Nymphalidae	*Junonia almana javana*	Peacock pansy	Least Concern	Not Assessed	No	Common	Yes	No
125	Nymphalidae	*Junonia hedonia ida*	Chocolate pansy	Not Assessed	Not Assessed	No	Common	Yes	Yes
126	Nymphalidae	*Junonia orithya wallacei*	Blue pansy	Not Assessed	Not Assessed	No	Common	Yes	No

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127	Nymphalidae	*Lasippa tiga siaka*	Malayan lascar	Not Assessed	Not Assessed	No	Common	Yes	No
128	Nymphalidae	*Lethe europa malaya*	Bamboo tree brown	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
129	Nymphalidae	*Lexias pardalis dirteana*	Archduke	Not Assessed	Not Assessed	No	Common	Yes	No
130	Nymphalidae	*Melanitis leda leda*	Common evening brown	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
131	Nymphalidae	*Moduza procris milonia*	Commander	Not Assessed	Not Assessed	No	Moderately common	Yes	No
132	Nymphalidae	*Mycalesis fusca fusca*	Malayan bush brown	Not Assessed	Not Assessed	No	Moderately common	Yes	No
133	Nymphalidae	*Mycalesis mineus macromalayana*	Dark brand bush brown	Not Assessed	Not Assessed	No	Common	Yes	No
134	Nymphalidae	*Mycalesis perseoides perseoides*	Burmese bush brown	Not Assessed	Data Deficient	No	Common	Yes	Yes
135	Nymphalidae	*Mycalesis perseus cepheus*	Dingy bush brown	Not Assessed	Not Assessed	No	Moderately common	Yes	Yes
136	Nymphalidae	*Mycalesis visala phamis*	Long brand bush brown	Not Assessed	Not Assessed	No	Moderately common	Yes	Yes
137	Nymphalidae	*Neptis hylas papaja*	Common sailor	Not Assessed	Not Assessed	No	Moderately common	Yes	No
	Nymphalidae	*Neptis sp.*	NA	NA	NA	NA	NA	NA	Yes
138	Nymphalidae	*Orsotriaena medus cinerea*	Dark grass brown	Not Assessed	Not Assessed	No	Common	Yes	No
139	Nymphalidae	*Pantoporia hordonia hordonia*	Common lascar	Not Assessed	Not Assessed	No	Common	Yes	No
140	Nymphalidae	*Pantoporia hordonia hordonia*	Common lascar	Not Assessed	Not Assessed	No	Common	Yes	No
141	Nymphalidae	*Parantica agleoides agleoides*	Dark glassy tiger	Not Assessed	Not Assessed	No	Common	Yes	No
142	Nymphalidae	*Phaedyma columella singa*	Short banded sailor	Not Assessed	Not Assessed	No	Common	Yes	No
143	Nymphalidae	*Phalanta phalantha phalantha*	Leopard	Not Assessed	Not Assessed	No	Common	Yes	No
144	Nymphalidae	*Polyura hebe plautus*	Plain nawab	Not Assessed	Not Assessed	No	Common	Yes	No
145	Nymphalidae	*Polyura schreiber tisamenus*	Blue nawab	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
146	Nymphalidae	*Tanaecia iapis puseda*	Horsfield's baron	Not Assessed	Not Assessed	No	Common	Yes	No
147	Nymphalidae	*Tanaecia pelea pelea*	Malay viscount	Not Assessed	Not Assessed	No	Common	Yes	No
148	Nymphalidae	*Vindula dejone erotella*	Cruiser	Not Assessed	Not Assessed	No	Common	Yes	No
149	Nymphalidae	*Ypthima baldus newboldi*	Common five-ring	Not Assessed	Not Assessed	No	Common	Yes	Yes
150	Nymphalidae	*Ypthima horsfieldii humei*	Malayan five-ring	Not Assessed	Not Assessed	No	Common	Yes	Yes
151	Nymphalidae	*Ypthima huebneri*	Common four-ring	Not Assessed	Not Assessed	No	Moderately common	Yes	No
152	Nymphalidae	*Ypthima pandocus corticaria*	Common three-ring	Not Assessed	Not Assessed	No	Common	Yes	No
153	Papilionidae	*Chilasa clytia clytia*	Common mime	Not Assessed	Not Assessed	No	Common	Yes	No
154	Papilionidae	*Graphium agamemnon agamemnon*	Tailed jay	Not Assessed	Not Assessed	No	Common	Yes	No
155	Papilionidae	*Graphium sarpedon luctatius*	Common bluebottle	Not Assessed	Not Assessed	No	Common	Yes	No
156	Papilionidae	*Pachliopta aristolochiae asteris*	Common rose	Not Assessed	Vulnerable	Yes	Moderately common	Yes	No
157	Papilionidae	*Papilio demoleus malayanus*	Lime butterfly	Not Assessed	Not Assessed	No	Common	Yes	No
158	Papilionidae	*Papilio polytes romulus*	Common mormon	Not Assessed	Not Assessed	No	Common	Yes	No
159	Papilionidae	*Troides helena cerberus*	Common birdwing	Not Assessed; CITES protected	Vulnerable	Yes	Moderately common	Yes	Yes
160	Pieridae	*Appias libythea olferna*	Striped albatross	Not Assessed	Not Assessed	No	Common	Yes	Yes
161	Pieridae	*Catopsilia pomona pomona*	Lemon emigrant	Not Assessed	Not Assessed	No	Common	Yes	Yes
162	Pieridae	*Catopsilia pyranthe pyranthe*	Mottled emigrant	Not Assessed	Not Assessed	No	Common	Yes	No
163	Pieridae	*Catopsilia scylla cornelia*	Orange emigrant	Not Assessed	Not Assessed	No	Common	Yes	No
164	Pieridae	*Delias hyparete metarete*	Painted jezebel	Not Assessed	Not Assessed	No	Common	Yes	No
165	Pieridae	*Eurema andersonii andersonii*	Anderson's grass yellow	Not Assessed	Not Assessed	No	Moderately common	Yes	No
166	Pieridae	*Eurema blanda snelleni*	Three spot grass yellow	Not Assessed	Not Assessed	No	Common	Yes	No
167	Pieridae	*Eurema hecabe contubernalis*	Common grass yellow	Not Assessed	Not Assessed	No	Common	Yes	Yes

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168	Pieridae	*Eurema sari sodalis*	Chocolate grass yellow	Not Assessed	Not Assessed	No	Moderately common	Yes	No
169	Pieridae	*Eurema simulatrix tecmessa*	Forest grass yellow	Not Assessed	Not Assessed	No	Moderately common	Yes	No
170	Pieridae	*Leptosia nina malayana*	Psyche	Not Assessed	Not Assessed	No	Common	Yes	No
171	Pieridae	*Pieris canidia canidia*	Cabbage white	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
172	Riodinidae	*Abisara geza niya*	Spotted judy	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
173	Riodinidae	*Abisara saturata kausambioides*	Malayan plum judy	Not Assessed	Not Assessed	No	Moderately common	Yes	No
174	Riodinidae	*Abisara savitri savitri*	Malay tailed judy	Not Assessed	Not Assessed	No	Moderately rare	Yes	No
175	Riodinidae	*Taxila haquinus haquinus*	Harlequin	Not Assessed	Endangered	Yes	Moderately rare	Yes	No

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008)	Species of conservation significance	Native status (Baker & Lim, 2012)	Probable species	Recorded species
1	Gecarcinucidae	*Parathelphusa maculata*	Maculate freshwater crab	Least Concern	Not Assessed	No	Native	Yes	No
2	Palaemonidae	*Macrobrachium lanchesteri*	Riceland shrimp	Least Concern	Not Assessed	No	Non-native	Yes	No

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008)	Species of conservation significance	Native status (Baker & Lim, 2012)	Probable species	Recorded species
1	Anabantidae	*Anabas testudineus*	Oriental climbing perch	Least Concern	Not Assessed	No	Native	Yes	No
2	Channidae	*Channa striata*	Common snakehead/aruan	Least Concern	Not Assessed	No	Native	Yes	No
3	Poeciliidae	*Gambusia affinis*	Mosquitofish	Least Concern	Not Assessed	No	Non-native	Yes	No
4	Poeciliidae	*Poecilia reticulata*	Guppy	Least Concern	Not Assessed	No	Non-native	Yes	Yes
5	Poeciliidae	*Poecilia sphenops*	Green molly	Least Concern	Not Assessed	No	Non-native	Yes	No
6	Synbranchidae	*Monopterus albus*	Sunda swamp-eel	Least Concern	Not Assessed	No	Native	Yes	No

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1	Bufonidae	*Duttaphrynus melanostictus*	Asian toad	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes
2	Dicroglossidae	*Fejervarya cancrivora*	Crab-eating frog	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No
3	Dicroglossidae	*Fejervarya limnocharis*	Field frog	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes
4	Dicroglossidae	*Limnonectes blythii*	Malayan giant frog	Near Threatened	Least Concern	No	Widespread and Common	Native	Yes	Yes
5	Dicroglossidae	*Limnonectes malesianus*	Malesian frog	Near Threatened	Near Threatened	No	Restricted but Common	Native	Yes	No
6	Dicroglossidae	*Occidozyga sumatrana*	Yellow-bellied puddle frog	Least Concern	Near Threatened	No	Restricted but Common	Native	Yes	No
7	Eleutherodactylidae	*Eleutherodactylus planirostris*	Greenhouse frog	Least Concern	Not Assessed	No	Widespread and Common	Non-native	Yes	Yes
8	Microhylidae	*Kaloula pulchra*	Banded bull frog	Least Concern	Not Assessed	No	Widespread and Common	Non-native	Yes	Yes
9	Microhylidae	*Microhyla butleri*	Painted chorus frog	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes
10	Microhylidae	*Microhyla mukhlesuri*	East Asian ornate chorus frog	Least Concern	Not Assessed	No	Restricted and Rare	Non-native	Yes	Yes
11	Microhylidae	*Microhyla heymonsi*	Dark-sided chorus frog	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes
12	Ranidae	*Chalcorana labialis*	Copper-cheeked frog	Least Concern	Least Concern	No	Restricted but Common	Native	Yes	Yes
13	Ranidae	*Hylarana erythraea*	Green paddy frog	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes
14	Ranidae	*Lithobates catesbeianus*	American bullfrog	Least Concern	Not Assessed	No	Widespread and Common	Non-native	Yes	No
15	Ranidae	*Pulchrana laterimaculata*	Masked rough-sided frog	Least Concern	Near Threatened	No	Restricted and Uncommon	Native	Yes	No
16	Rhacophoridae	*Polypedates leucomystax*	Four-lined tree frog	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes

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1	Agamidae	*Bronchocela cristatella*	Green crested lizard	Not Assessed	Least Concern	No	Widespread but Uncommon	Native	Yes	No	
2	Agamidae	*Calotes versicolor*	Changeable lizard	Not Assessed	Not Assessed	No	Widespread and Common	Non-native	Yes	Yes	
3	Agamidae	*Draco sumatranus*	Sumatran flying dragon	Not Assessed	Least Concern	No	Widespread and Common	Native	Yes	No	
4	Colubridae	*Ahaetulla prasina*	Oriental whip snake	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No	
5	Colubridae	*Calamaria schlegeli*	Pink-headed reed snake	Least Concern	Near Threatened	No	Restricted and Rare	Native	Yes	No	Teo & Rajathurai,
6	Colubridae	*Chrysopelea paradisi*	Paradise gliding snake	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No	
7	Colubridae	*Coelognathus flavolineatus*	Common Malayan racer	Least Concern	Least Concern	No	Widespread but Rare	Native	Yes	No	
8	Colubridae	*Dendrelaphis caudolineatus*	Striped bronzeback	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No	
9	Colubridae	*Dendrelaphis kopsteini*	Red-necked bronzeback	Least Concern	Near Threatened	No	Widespread but Rare	Native	Yes	No	Recorded in Holland
10	Colubridae	*Dendrelaphis pictus*	Painted bronzeback	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes	
11	Colubridae	*Lycodon capucinus*	House wolf snake	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No	Recorded in Ho et al., 2019
12	Colubridae	*Oligodon octolineatus*	Striped kukri snake	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No	
13	Colubridae	*Ptyas korros*	Indochinese rat snake	Least Concern	Least Concern	No	Widespread but Uncommon	Native	Yes	No	
14	Colubridae	*Xenochrophis vittatus*	Striped keelback	Least Concern	Not Assessed	No	Widespread and Common	Non-native	Yes	No	
15	Elapidae	*Calliophis intestinalis*	Malayan banded coral snake	Least Concern	Near Threatened	No	Widespread but Rare	Native	Yes	No	
16	Elapidae	*Naja sumatrana*	Equatorial spitting cobra	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Widespread and Common	Native	Yes	No	
17	Emydidae	*Trachemys scripta*	Red-eared slider	Least Concern	Not Assessed	No	Widespread and Common	Non-native	Yes	No	
18	Gekkonidae	*Gehyra mutilata*	Four-clawed gecko	Not Assessed	Not Assessed	No	Widespread and Common	Native	Yes	No	
19	Gekkonidae	*Gekko monarchus*	Spotted house gecko	Not Assessed	Not Assessed	No	Widespread and Common	Native	Yes	No	
20	Gekkonidae	*Hemidactylus frenatus*	Spiny-tailed house gecko	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No	
21	Gekkonidae	*Hemidactylus platyurus*	Flat-tailed gecko	Not Assessed	Least Concern	No	Widespread and Common	Native	Yes	No	
22	Gekkonidae	*Lepidodactylus lugubris*	Maritime gecko	Not Assessed	Not Assessed	No	Widespread but Rare	Native	Yes	No	
23	Geomydidae	*Cuora amboinensis*	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	Yes	Restricted but Common	Native	Yes	No	
24	Geomydidae	*Siebenrockiella crassicollis*	Black marsh terrapin	Vulnerable; CITES protected (Appendix II)	Not Assessed	No	Widespread and Common	Non-native	Yes	No	
25	Homalopsidae	*Homalopsis buccata*	Puff-faced water snake	Least Concern	Vulnerable	Yes	Widespread but Uncommon	Native	Yes	No	
26	Pythonidae	*Malayopython reticulatus*	Reticulated python	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Widespread and Common	Native	Yes	No	Recorded in Ho et al., 2019
27	Scincidae	*Eutropis multifasciata*	Many-lined sun skink	Not Assessed	Least Concern	No	Widespread and Common	Native	Yes	Yes	
28	Scincidae	*Lygosoma bowringii*	Garden supple skink	Not Assessed	Least Concern	No	Widespread and Common	Native	Yes	No	
29	Typhlopidae	*Indotyphlops braminus*	Brahminy blind snake	Least Concern	Not Assessed	No	Widespread and Common	Native	Yes	No	
30	Varanidae	*Varanus nebulosus*	Clouded monitor	Not Assessed; CITES protected (Appendix I)	Least Concern	No	Restricted but Common	Native	Yes	Yes	Also recorded on camera

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31	Varanidae	*Varanus salvator*	Malayan water monitor	Least Concern; CITES protected (Appendix II)	Least Concern	No	Widespread and Common	Native	Yes	Yes	Recorded on camera trap
32	Xenopeltidae	*Xenopeltis unicolor*	Iridescent earth snake	Least Concern	Least Concern	No	Widespread but Uncommon	Native	Yes	No	Recorded in Ho et al., 2019

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1	Acanthizidae	*Gerygone sulphurea*	Golden-bellied gerygone	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	
2	Accipitridae	*Accipiter gularis*	Japanese sparrowhawk	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Common	Winter visitor	Yes	No	
3	Accipitridae	*Accipiter soloensis*	Chinese sparrowhawk	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
4	Accipitridae	*Accipiter trivirgatus*	Crested goshawk	Least Concern; CITES protected (Appendix II)	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	No	
5	Accipitridae	*Aviceda jerdoni*	Jerdon's baza	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
6	Accipitridae	*Aviceda leuphotes*	Black baza	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Common	Winter visitor	Yes	No	
7	Accipitridae	*Buteo buteo*	Common buzzard	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
8	Accipitridae	*Haliaeetus leucogaster*	White-bellied sea eagle	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Common	Resident breeder	Yes	No	
9	Accipitridae	*Haliastur indus*	Brahminy kite	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Common	Resident breeder	Yes	No	
10	Accipitridae	*Nisaetus cirrhatus*	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Endangered	Yes	Uncommon	Resident breeder	Yes	Yes	
11	Accipitridae	*Pernis ptilorhynchus*	Crested honey-buzzard	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Common	Winter visitor	Yes	Yes	
12	Accipitridae	*Spilornis cheela*	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	Yes	Rare	Resident, breeding not proven	Yes	No	
13	Aegithinidae	*Aegithina tiphia*	Common iora	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
14	Alcedinidae	*Alcedo atthis*	Common kingfisher	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	Yes	
15	Alcedinidae	*Ceyx erithaca*	Oriental dwarf kingfisher	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
16	Alcedinidae	*Halcyon coromanda*	Ruddy kingfisher	Least Concern	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	Yes	
17	Alcedinidae	*Halcyon smyrnensis*	White-throated kingfisher	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
18	Alcedinidae	*Pelargopsis capensis*	Stork-billed kingfisher	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No	
19	Alcedinidae	*Todiramphus chloris*	Collared kingfisher	Least Concern	Not Assessed	No	Abundant	Resident breeder	Yes	No	
20	Apodidae	*Aerodramus fuciphagus*	Edible-nest swiftlet	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	
21	Apodidae	*Aerodramus maximus*	Black-nest swiftlet	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	
	Apodidae	*Aerodramus* sp.	NA	NA	NA	NA	NA	NA	NA	Yes	
22	Apodidae	*Collocalia affinis*	Plume-toed swiftlet	Not Assessed	Not Assessed	No	Uncommon	Resident breeder	Yes	No	
23	Apodidae	*Cypsiurus balasiensis*	Asian palm swift	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No	
24	Apodidae	*Hirundapus caudacutus*	White-throated needletail	Least Concern	Not Assessed	No	Rare	Accidental visitor	Yes	No	
25	Apodidae	*Hirundapus cochinchinensis*	Silver-backed needletail	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
26	Apodidae	*Hirundapus giganteus*	Brown-backed needletail	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
27	Ardeidae	*Bubulcus coromandus*	Eastern cattle egret	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	Yes	
28	Ardeidae	*Butorides striata*	Striated heron	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
29	Ardeidae	*Egretta garzetta*	Little egret	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	No	
30	Ardeidae	*Gorsachius melanolophus*	Malayan night heron	Least Concern	Not Assessed	No	Rare	Winter visitor	Yes	No	
31	Ardeidae	*Ixobrychus cinnamomeus*	Cinnamon bittern	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No	
32	Ardeidae	*Ixobrychus flavicollis*	Black bittern	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
33	Ardeidae	*Ixobrychus sinensis*	Yellow bittern	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	

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34	Bucerotidae	*Anthracoceros albirostris*	Oriental pied hornbill	Least Concern; CITES protected (Appendix II)	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	No	
35	Cacatuidae	*Cacatua goffiniana*	Tanimbar corella	Near Threatened; CITES protected (Appendix I)	Not Assessed	No	Common	Introduced resident breeder	Yes	Yes	
36	Cacatuidae	*Cacatua sulphurea*	Yellow-crested cockatoo	Critically Endangered; CITES protected (Appendix I)	Not Assessed	No	Uncommon	Introduced resident breeder	Yes	No	
37	Campephagidae	*Lalage nigra*	Pied triller	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
38	Campephagidae	*Pericrocotus divaricatus*	Ashy minivet	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	Yes	
39	Caprimulgidae	*Caprimulgus affinis*	Savanna nightjar	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
40	Caprimulgidae	*Caprimulgus jotaka*	Jungle nightjar	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
41	Caprimulgidae	*Caprimulgus macrurus*	Large-tailed nightjar	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
42	Charadriidae	*Vanellus indicus*	Red-wattled lapwing	Least Concern	Endangered	Yes	Uncommon	Resident breeder	Yes	Yes	
43	Chloropseidae	*Chloropsis moluccensis*	Blue-winged leafbird	Least Concern	Not Assessed	No	Common	Resident, breeding not proven	Yes	No	
44	Cisticolidae	*Orthotomus atrogularis*	Dark-necked tailorbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
45	Cisticolidae	*Orthotomus ruficeps*	Ashy tailorbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
46	Cisticolidae	*Orthotomus sericeus*	Rufous-tailed tailorbird	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	Yes	
47	Cisticolidae	*Orthotomus sutorius*	Common tailorbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
48	Cisticolidae	*Prinia flaviventris*	Yellow-bellied prinia	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	
49	Columbidae	*Chalcophaps indica*	Common emerald dove	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	Yes	Also recorded on camera trap
50	Columbidae	*Columba livia*	Rock dove	Least Concern	Not Assessed	No	Abundant	Introduced resident breeder	Yes	No	
51	Columbidae	*Ducula bicolor*	Pied imperial pigeon	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No	
52	Columbidae	*Geopelia striata*	Zebra dove	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
53	Columbidae	*Ptilinopus jambu*	Jambu fruit dove	Near Threatened	Not Assessed	No	Uncommon	Non-breeding visitor	Yes	No	
54	Columbidae	*Spilopelia chinensis*	Spotted dove	Least Concern	Not Assessed	No	Abundant	Resident breeder	Yes	Yes	Also recorded on camera trap
55	Columbidae	*Treron curvirostra*	Thick-billed green pigeon	Least Concern	Endangered	Yes	Uncommon	Resident breeder	Yes	No	
56	Columbidae	*Treron vernans*	Pink-necked green pigeon	Least Concern	Not Assessed	No	Abundant	Resident breeder	Yes	Yes	
57	Coraciidae	*Eurystomus orientalis*	Oriental dollarbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
58	Corvidae	*Corvus macrorhynchos*	Large-billed crow	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No	
59	Corvidae	*Corvus splendens*	House crow	Least Concern	Not Assessed	No	Common	Introduced resident breeder	Yes	Yes	
60	Cuculidae	*Cacomantis merulinus*	Plaintive cuckoo	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No	
61	Cuculidae	*Cacomantis sepulcralis*	Rusty-breasted cuckoo	Least Concern	Vulnerable	Yes	Uncommon	Resident breeder	Yes	No	
62	Cuculidae	*Cacomantis sonneratii*	Banded bay cuckoo	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No	
63	Cuculidae	*Centropus bengalensis*	Lesser coucal	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	
64	Cuculidae	*Centropus sinensis*	Greater coucal	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	Yes	Also recorded on camera trap
65	Cuculidae	*Chrysococcyx minutillus*	Little bronze-cuckoo	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	
66	Cuculidae	*Chrysococcyx xanthorhynchus*	Violet cuckoo	Least Concern	Endangered	Yes	Uncommon	Resident breeder	Yes	No	
67	Cuculidae	*Clamator coromandus*	Chestnut-winged cuckoo	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	

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68	Cuculidae	*Cuculus micropterus*	Indian cuckoo	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
69	Cuculidae	*Eudynamys scolopaceus*	Asian koel	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
70	Cuculidae	*Hierococcyx nisicolor*	Hodgson's hawk cuckoo	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
71	Cuculidae	*Phaenicophaeus sumatranus*	Chestnut-bellied malkoha	Near Threatened	Not Assessed	No	Uncommon	Resident breeder	Yes	No	
72	Cuculidae	*Surniculus lugubris*	Square-tailed drongo-cuckoo	Least Concern	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	No	
73	Dicaeidae	*Dicaeum cruentatum*	Scarlet-backed flowerpecker	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
74	Dicaeidae	*Dicaeum trigonostigma*	Orange-bellied flowerpecker	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	
75	Dicruridae	*Dicrurus annectans*	Crow-billed drongo	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
76	Dicruridae	*Dicrurus paradiseus*	Greater racket-tailed drongo	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
77	Estrildidae	*Lonchura maja*	White-headed munia	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	Yes	
78	Estrildidae	*Lonchura punctulata*	Scaly-breasted munia	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	
79	Hemiprocnidae	*Hemiprocne longipennis*	Grey-rumped treeswift	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	
80	Hirundinidae	*Cecropis daurica*	Red-rumped swallow	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	Yes	
81	Hirundinidae	*Hirundo rustica*	Barn swallow	Least Concern	Not Assessed	No	Abundant	Winter visitor	Yes	Yes	
82	Hirundinidae	*Hirundo tahitica*	Pacific swallow	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
83	Irenidae	*Irena puella*	Asian fairy-bluebird	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No	
84	Laniidae	*Lanius cristatus*	Brown shrike	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	Yes	
85	Laniidae	*Lanius tigrinus*	Tiger shrike	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	Yes	
86	Leiothrichidae	*Garrulax leucolophus*	White-crested laughingthrush	Least Concern	Not Assessed	No	Common	Introduced resident breeder	Yes	Yes	Also recorded on camera trap
87	Leiotrichidae	*Pterorhinus chinensis*	Black-throated laughingthrush	Least Concern	Not Assessed	No	NA	Introduced	Yes	No	
88	Megalaimidae	*Psilopogon haemacephalus*	Coppersmith barbet	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
89	Megalaimidae	*Psilopogon lineatus*	Lineated barbet	Least Concern	Not Assessed	No	Uncommon	Introduced resident breeder	Yes	Yes	
90	Meropidae	*Merops philippinus*	Blue-tailed bee-eater	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	No	
91	Meropidae	*Merops viridis*	Blue-throated bee-eater	Least Concern	Not Assessed	No	Common	Migrant breeder	Yes	Yes	
92	Monarchidae	*Terpsiphone affinis*	Blyth's paradise flycatcher	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	Yes	
93	Monarchidae	*Terpsiphone atrocaudata*	Japanese paradise flycatcher	Near Threatened	Not Assessed	No	Rare	Passage migrant	Yes	No	
94	Monarchidae	*Terpsiphone incei*	Amur paradise flycatcher	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	No	
95	Motacillidae	*Anthus rufulus*	Paddyfield pipit	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	
96	Motacillidae	*Dendronanthus indicus*	Forest wagtail	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
97	Motacillidae	*Motacilla cinerea*	Grey wagtail	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
98	Muscicapidae	*Copsychus malabaricus*	White-rumped shama	Least Concern	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	No	
99	Muscicapidae	*Copsychus saularis*	Oriental magpie-robin	Least Concern	Endangered	Yes	Uncommon	Resident breeder	Yes	No	
100	Muscicapidae	*Cyanoptila cumatilis*	Zappey's flycatcher	Least Concern	Not Assessed	No	Rare	Passage migrant	Yes	No	
101	Muscicapidae	*Cyanoptila cyanomelana*	Blue-and-white flycatcher	Least Concern	Not Assessed	No	Rare	Passage migrant	Yes	No	
102	Muscicapidae	*Cyornis brunneatus*	Brown-chested jungle flycatcher	Vulnerable	Not Assessed	Yes	Uncommon	Winter visitor	Yes	No	
103	Muscicapidae	*Ficedula elisae*	Green-backed flycatcher	Least Concern	Not Assessed	No	Rare	Winter visitor	Yes	No	
104	Muscicapidae	*Ficedula mugimaki*	Mugimaki flycatcher	Least Concern	Not Assessed	No	Uncommon	Passage migrant	Yes	No	
105	Muscicapidae	*Ficedula zanthopygia*	Yellow-rumped flycatcher	Least Concern	Not Assessed	No	Uncommon	Passage migrant	Yes	Yes	
106	Muscicapidae	*Larvivora cyane*	Siberian blue robin	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	Yes	Recorded on camera trap
107	Muscicapidae	*Muscicapa dauurica*	Asian brown flycatcher	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	Yes	

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108	Muscicapidae	*Muscicapa ferruginea*	Ferruginous flycatcher	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
109	Muscicapidae	*Muscicapa sibirica*	Dark-sided flycatcher	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
110	Muscicapidae	*Muscicapa williamsoni*	Brown-streaked flycatcher	Least Concern	Not Assessed	No	Rare	Winter visitor	Yes	No	
111	Nectariniidae	*Aethopyga siparaja*	Crimson sunbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
112	Nectariniidae	*Anthreptes malacensis*	Brown-throated sunbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
113	Nectariniidae	*Arachnothera longirostra*	Little spiderhunter	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No	
114	Nectariniidae	*Cinnyris jugularis*	Olive-backed sunbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
115	Nectariniidae	*Leptocoma brasiliana*	Van Hasselt's sunbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	
116	Oriolidae	*Oriolus chinensis*	Black-naped oriole	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
117	Pandionidae	*Pandion haliaetus*	Western osprey	Least Concern	Not Assessed	No	Common	Non-breeding visitor	Yes	No	
118	Passeridae	*Passer montanus*	Eurasian tree sparrow	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	
119	Pellorneidae	*Malacocincla abbotti*	Abbott's babbler	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No	
120	Phasianidae	*Gallus gallus*	Red junglefowl	Least Concern	Endangered	Yes	Uncommon	Resident breeder	Yes	Yes	Also recorded on camera trap
121	Phasianidae	*Gallus gallus (domestic)*	Domestic chicken	Not Assessed	Not Assessed	No	NA	Introduced	Yes	No	
122	Phylloscopidae	*Phylloscopus borealis*	Arctic warbler	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	Yes	
123	Phylloscopidae	*Phylloscopus borealoides*	Sakhalin leaf warbler	Least Concern	Not Assessed	No	Rare	Accidental visitor	Yes	No	
124	Phylloscopidae	*Phylloscopus coronatus*	Eastern crowned warbler	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
125	Phylloscopidae	*Phylloscopus inornatus*	Yellow-browed warbler	Least Concern	Not Assessed	No	Rare	Winter visitor	Yes	No	
126	Picidae	*Chrysophlegma miniaceum*	Banded woodpecker	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
127	Picidae	*Dinopium javanense*	Common flameback	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
128	Picidae	*Micropternus brachyurus*	Rufous woodpecker	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No	
129	Picidae	*Picus vittatus*	Laced woodpecker	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	Also recorded on camera trap
130	Picidae	*Yungipicus moluccensis*	Sunda pygmy woodpecker	Least Concern	Not Assessed	No	Abundant	Resident breeder	Yes	No	
131	Pittidae	*Pitta moluccensis*	Blue-winged pitta	Least Concern	Not Assessed	No	Uncommon	Migrant breeder	Yes	Yes	Recorded on camera trap
132	Pittidae	*Pitta sordida*	Hooded pitta	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
133	Psittaculidae	*Loriculus galgulus*	Blue-crowned hanging-parrot	Least Concern; CITES protected (Appendix II)	Endangered	Yes	Uncommon	Resident breeder	Yes	Yes	
134	Psittaculidae	*Psittacula alexandri*	Red-breasted parakeet	Near Threatened; CITES protected (Appendix II)	Not Assessed	No	Common	Introduced resident breeder	Yes	Yes	
135	Psittaculidae	*Psittacula krameri*	Rose-ringed parakeet	Least Concern	Not Assessed	No	Uncommon	Introduced resident breeder	Yes	Yes	
136	Psittaculidae	*Psittacula longicauda*	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Not Assessed	Yes	Common	Resident breeder	Yes	Yes	
137	Psittaculidae	*Trichoglossus haematodus*	Coconut lorikeet	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Uncommon	Introduced resident breeder	Yes	Yes	
138	Pycnonotidae	*Hemixos cinereus*	Cinereous bulbul	Least Concern	Not Assessed	No	Uncommon	Non-breeding visitor	Yes	No	
139	Pycnonotidae	*Pycnonotus brunneus*	Asian red-eyed bulbul	Least Concern	Endangered	Yes	Uncommon	Resident breeder	Yes	No	
140	Pycnonotidae	*Pycnonotus goiavier*	Yellow-vented bulbul	Least Concern	Not Assessed	No	Abundant	Resident breeder	Yes	Yes	
141	Pycnonotidae	*Pycnonotus jocosus*	Red-whiskered bulbul	Least Concern	Not Assessed	No	Uncommon	Introduced resident breeder	Yes	Yes	
142	Pycnonotidae	*Pycnonotus plumosus*	Olive-winged bulbul	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008)	Species of conservation significance	Distribution/Rarity (NSS, 2020; Singapore Birds Project, 2020)	Native status (NSS, 2020; Singapore Birds Project, 2020)	Probable species	Recorded species	Remarks
143	Pycnonotidae	*Pycnonotus zeylanicus*	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix II)	Endangered	Yes	Uncommon	Resident breeder	Yes	Yes	
144	Rallidae	*Amaurornis phoenicurus*	White-breasted waterhen	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	Also recorded on camera trap
145	Rallidae	*Lewinia striata*	Slaty-breasted rail	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	Yes	
146	Rallidae	*Rallina fasciata*	Red-legged crake	Least Concern	Vulnerable	Yes	Uncommon	Resident breeder	Yes	Yes	Also recorded on camera trap
147	Rallidae	*Zapornia fusca*	Ruddy-breasted crake	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No	
148	Rhipiduridae	*Rhipidura javanica*	Malaysian pied fantail	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
149	Strigidae	*Bubo sumatranus*	Barred eagle-owl	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Rare	Resident breeder	Yes	No	
150	Strigidae	*Ketupa ketupu*	Buffy fish owl	Least Concern; CITES protected (Appendix II)	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	No	
151	Strigidae	*Ninox scutulata*	Brown hawk-owl	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Common	Resident breeder	Yes	No	
152	Strigidae	*Otus lempiji*	Sunda scops owl	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Common	Resident breeder	Yes	Yes	
153	Strigidae	*Strix seloputo*	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	No	
154	Sturnidae	*Acridotheres javanicus*	Javan myna	Least Concern	Not Assessed	No	Abundant	Introduced resident breeder	Yes	Yes	
155	Sturnidae	*Acridotheres tristis*	Common myna	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	
156	Sturnidae	*Agropsar sturninus*	Daurian starling	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	No	
157	Sturnidae	*Aplonis panayensis*	Asian glossy starling	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
158	Sturnidae	*Gracula religiosa*	Common hill myna	Least Concern; CITES protected (Appendix I)	Not Assessed	No	Uncommon	Resident breeder	Yes	No	
159	Timaliidae	*Mixornis gularis*	Pin-striped tit-babbler	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	
160	Turdidae	*Geokichla citrina*	Orange-headed thrush	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No	
161	Turdidae	*Geokichla sibirica*	Siberian thrush	Least Concern	Not Assessed	No	Rare	Passage migrant	Yes	No	
162	Turdidae	*Turdus obscurus*	Eyebrowed thrush	Least Concern	Not Assessed	No	Uncommon	Passage migrant	Yes	No	
163	Tytonidae	*Tyto javanica*	Eastern barn owl	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Uncommon	Resident breeder	Yes	No	
164	Zosteropidae	*Zosterops simplex*	Swinhoe's white-eye	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	

S/N	Family Name	Scientific Name	Common Name	Global Status (IUCN, 2012)	National status (Davison et al. 2008)	Species of Conservation Significance	Distribution/Rarity (Baker & Lim, 2012)	Native Status (Baker & Lim, 2012)	Probable Species	Recorded Species	Remarks
1	Canidae	*Canis lupus familiaris*	Feral dog	Not Assessed	Not Assessed	No	NA	Non-native	Yes	No	
2	Cercopithecidae	*Macaca fascicularis*	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Yes	Widespread and Common	Native	Yes	No	
3	Felidae	*Felis catus*	Feral cat	Not Assessed	Not Assessed	No	NA	Non-native	Yes	No	
4	Manidae	*Manis javanica*	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Yes	Widespread but Rare	Native	Yes	Yes	Recorded on camera trap
5	Muridae	*Mus musculus*	House mouse	Least Concern	Not Assessed	No	Widespread and Common	Native	Yes	No	
6	Muridae	*Rattus exulans*	Pacific rat	Least Concern	Least Concern	No	Widespread but Uncommon	Native	Yes	No	
7	Muridae	*Rattus norvegicus*	Brown rat	Least Concern	Not Assessed	No	Widespread and Common	Non-native	Yes	No	
8	Muridae	*Rattus tanezumi*	Asian house rat	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No	
9	Muridae	*Rattus tiomanicus*	Malaysian wood rat	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No	
	Muridae	*Rattus* sp.	NA	NA	NA	NA	NA	NA	NA	Yes	Also recorded on camera trap
10	Muridae	*Sundamys annandalei*	Annandale's rat	Least Concern	Not Assessed	No	Restricted but Common	Native	Yes	No	
11	Mustelidae	*Lutrogale perspicillata*	Smooth otter	Vulnerable; CITES protected (Appendix I)	Endangered	Yes	Widespread but Rare	Native	Yes	No	Anecdotal record of Otter sp. at nearby pond (Ho et al., 2019) - likely a transient record
12	Sciuridae	*Callosciurus notatus*	Plantain squirrel	Least Concern	Not Assessed	No	Widespread and Common	Native	Yes	Yes	Also recorded on camera trap
13	Soricidae	*Suncus murinus*	House shrew	Least Concern	Not Assessed	No	Widespread and Common	Native	Yes	No	
14	Suidae	*Sus scrofa*	Eurasian wild boar	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No	
15	Tupaiidae	*Tupaia glis*	Common treeshrew	Least Concern	Not Assessed	No	Widespread and Common	Native	Yes	Yes	Recorded on camera trap
16	Viverridae	*Paradoxurus musangus*	Sumatran palm civet	Least Concern	Least Concern	No	Widespread but Uncommon	Native	Yes	Yes	Recorded on camera trap

S/N	Family Name	Scientific Name	Common Name	Global Status (IUCN, 2012)	National status (Davison et al. 2008)	Species of Conservation Significance	Distribution/Rarity (Baker & Lim, 2012)	Native Status (Baker & Lim, 2012)	Probable Species	Recorded Species	Remarks
1	Emballonuridae	*Saccolaimus saccolaimus*	Pouch tomb bat	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes	Recorded via acoustic sampling
2	Emballonuridae	*Taphozous melanopogon*	Black-bearded tomb bat	Least Concern	Least Concern	No	Widespread but Rare	Native	Yes	Yes	Recorded via acoustic sampling
3	Pteropodidae	*Cynopterus brachyotis*	Lesser short-nosed fruit bat	Least Concern	Not Assessed	No	Widespread and Common	Native	Yes	Yes	
4	Pteropodidae	*Eonycteris spelaea*	Cave nectar bat	Least Concern	Vulnerable	Yes	Widespread but Uncommon	Native	Yes	No	
5	Rhinolophidae	*Rhinolophus refulgens*	Glossy horseshoe bat	Least Concern	Not Assessed	No	Restricted but Common	Native	Yes	Yes	Recorded via acoustic sampling
6	Vespertilionidae	*Myotis horsfieldii*	Horsfield's myotis	Least Concern	Least Concern	No	NA	Native	Yes	Yes	Recorded via acoustic sampling
7	Vespertilionidae	*Myotis muricola*	Asian whiskered myotis	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes	Recorded via acoustic sampling
8	Vespertilionidae	*Pipistrellus javanicus*	Javan pipistrelle	Least Concern	Not Assessed	No	Widespread but Uncommon	Native	Yes	No	
9	Vespertilionidae	*Scotophilus kuhlii*	Lesser Asian house bat	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes	Recorded via acoustic sampling
10	Vespertilionidae	*Tylonycteris fulvida*	Lesser bamboo bat	Least Concern	Vulnerable	Yes	Restricted and Rare	Native	Yes	No	
11	Vespertilionidae	*Tylonycteris malayana*	Greater bamboo bat	Least Concern	Vulnerable	Yes	Widespread and Common	Native	Yes	No	

Appendix I1

Faunal Survey Data for Turf City (Sites I, II and III)

Date	Cycle	Survey type	Lat	Lon	Time (24h)	Scientific name	Common name	Fauna group	Quantity
13-Sep-21	1	Transect survey (AM)	1.341037033	103.798245	712	*Garrulax leucolophus*	White-crested laughingthrush	Bird	6
13-Sep-21	1	Transect survey (AM)	1.341037033	103.798245	712	*Treron vernans*	Pink-necked green pigeon	Bird	2
13-Sep-21	1	Transect survey (AM)	1.341037033	103.798245	712	*Chrysophlegma miniaceum*	Banded woodpecker	Bird	1
13-Sep-21	1	Transect survey (AM)	1.341037033	103.798245	712	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	6
13-Sep-21	1	Transect survey (AM)	1.341037033	103.798245	712	*Dicaeum cruentatum*	Scarlet-backed flowerpecker	Bird	3
13-Sep-21	1	Transect survey (AM)	1.341037033	103.798245	712	*Sundasciurus tenuis*	Slender squirrel	Mammal	2
13-Sep-21	1	Transect survey (AM)	1.341037033	103.798245	712	*Aegithina tiphia*	Common iora	Bird	1
13-Sep-21	1	Transect survey (AM)	1.341037033	103.798245	712	*Psilopogon lineatus*	Lineated barbet	Bird	1
13-Sep-21	1	Transect survey (AM)	1.341037033	103.798245	712	*Psittacula sp.*	Parakeet sp.	Bird	20
13-Sep-21	1	Transect survey (AM)	1.341037033	103.798245	712	*Gallus gallus*	Red junglefowl	Bird	1
13-Sep-21	1	Transect survey (AM)	1.341037033	103.798245	712	*Mixornis gularis*	Pin-striped tit-babbler	Bird	2
13-Sep-21	1	Transect survey (AM)	1.341037033	103.798245	712	*Oriolus chinensis*	Black-naped oriole	Bird	2
13-Sep-21	1	Transect survey (AM)	1.341037033	103.798245	712	*Aplonis panayensis*	Asian glossy starling	Bird	4
13-Sep-21	1	Transect survey (AM)	1.341037033	103.798245	712	*Callosciurus notatus*	Plantain squirrel	Mammal	2
13-Sep-21	1	Transect survey (AM)	1.341037033	103.798245	712	*Pycnonotus plumosus*	Olive-winged bulbul	Bird	1
13-Sep-21	1	Transect survey (AM)	1.341037033	103.798245	712	*Psittacula longicauda*	Long-tailed parakeet	Bird	1
13-Sep-21	1	Transect survey (AM)	1.341276001	103.798315	722	*Micropternus brachyurus*	Rufous woodpecker	Bird	1
13-Sep-21	1	Transect survey (AM)	1.341276001	103.798315	722	*Spilopelia chinensis*	Spotted dove	Bird	1
13-Sep-21	1	Transect survey (AM)	1.341443975	103.798359	724	*Mixornis gularis*	Pin-striped tit-babbler	Bird	3
13-Sep-21	1	Transect survey (AM)	1.341443975	103.798359	724	*Aplonis panayensis*	Asian glossy starling	Bird	5
13-Sep-21	1	Transect survey (AM)	1.341443975	103.798359	724	*Aerodramus sp.*	Swiftlet sp.	Bird	3
13-Sep-21	1	Transect survey (AM)	1.341443975	103.798359	724	*Acridotheres javanicus*	Javan myna	Bird	2
13-Sep-21	1	Transect survey (AM)	1.341527961	103.7985	726	*Psittacula sp.*	Parakeet sp.	Bird	10
13-Sep-21	1	Transect survey (AM)	1.341527961	103.7985	726	*Psilopogon lineatus*	Lineated barbet	Bird	1
13-Sep-21	1	Transect survey (AM)	1.341527961	103.7985	726	*Geopelia striata*	Zebra dove	Bird	1
13-Sep-21	1	Transect survey (AM)	1.341434	103.798569	730	*Caprimulgus macrurus*	Large-tailed nightjar	Bird	2
13-Sep-21	1	Transect survey (AM)	1.341642961	103.798754	735	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	3
13-Sep-21	1	Transect survey (AM)	1.341642961	103.798754	735	*Gracula religiosa*	Common hill myna	Bird	1
13-Sep-21	1	Transect survey (AM)	1.341589987	103.798868	737	*Dicaeum cruentatum*	Scarlet-backed flowerpecker	Bird	1
13-Sep-21	1	Transect survey (AM)	1.341589987	103.798868	737	*Pycnonotus zeylanicus*	Straw-headed bulbul	Bird	2

13-Sep-21	1	Transect survey (AM)	1.341589987	103.798868	737	*Psittacula longicauda*	Long-tailed parakeet	Bird	3
13-Sep-21	1	Transect survey (AM)	1.341589987	103.798868	737	*Orthotomus atrogularis*	Dark-necked tailorbird	Bird	1
13-Sep-21	1	Transect survey (AM)	1.34136904	103.798858	739	*Centropus sinensis*	Greater coucal	Bird	1
13-Sep-21	1	Transect survey (AM)	1.34136904	103.798858	739	*Callosciurus notatus*	Plantain squirrel	Mammal	1
13-Sep-21	1	Transect survey (AM)	1.341183968	103.799023	742	*Loriculus galgulus*	Blue-crowned hanging-parrot	Bird	1
13-Sep-21	1	Transect survey (AM)	1.340890015	103.798378	745	*Oriolus chinensis*	Black-naped oriole	Bird	1
13-Sep-21	1	Transect survey (AM)	1.340890015	103.798378	745	*Pycnonotus plumosus*	Olive-winged bulbul	Bird	3
13-Sep-21	1	Transect survey (AM)	1.340890015	103.798378	745	*Mixornis gularis*	Pin-striped tit-babbler	Bird	2
13-Sep-21	1	Transect survey (AM)	1.340890015	103.798378	745	*Microhyla heymonsi*	Dark-sided chorus frog	Amphibian	1
13-Sep-21	1	Transect survey (AM)	1.340890015	103.798378	745	*Aplonis panayensis*	Asian glossy starling	Bird	1
13-Sep-21	1	Transect survey (AM)	1.340890015	103.798378	745	*Callosciurus notatus*	Plantain squirrel	Mammal	1
13-Sep-21	1	Transect survey (AM)	1.340890015	103.798378	745	*Unidentified eel*	#N/A	Fish	1
13-Sep-21	1	Transect survey (AM)	1.340890015	103.798378	745	*Sundasciurus tenuis*	Slender squirrel	Mammal	2
13-Sep-21	1	Transect survey (AM)	1.340890015	103.798378	745	*Picus vittatus*	Laced woodpecker	Bird	1
13-Sep-21	1	Transect survey (AM)	1.340890015	103.798378	745	*Psilopogon lineatus*	Lineated barbet	Bird	1
13-Sep-21	1	Transect survey (AM)	1.340890015	103.798378	745	*Aegithina tiphia*	Common iora	Bird	1
13-Sep-21	1	Transect survey (AM)	1.340890015	103.798378	745	*Orthotomus atrogularis*	Dark-necked tailorbird	Bird	1
13-Sep-21	1	Transect survey (AM)	1.34027604	103.798434	753	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
13-Sep-21	1	Transect survey (AM)	1.34027604	103.798434	753	*Callosciurus notatus*	Plantain squirrel	Mammal	1
13-Sep-21	1	Transect survey (AM)	1.34027604	103.798434	753	*Loriculus galgulus*	Blue-crowned hanging-parrot	Bird	1
13-Sep-21	1	Transect survey (AM)	1.34027604	103.798434	753	*Aplonis panayensis*	Asian glossy starling	Bird	1
13-Sep-21	1	Transect survey (AM)	1.339899022	103.798586	756	*Mixornis gularis*	Pin-striped tit-babbler	Bird	2
13-Sep-21	1	Transect survey (AM)	1.339899022	103.798586	756	*Callosciurus notatus*	Plantain squirrel	Mammal	1
13-Sep-21	1	Transect survey (AM)	1.339899022	103.798586	756	*Pycnonotus zeylanicus*	Straw-headed bulbul	Bird	1
13-Sep-21	1	Transect survey (AM)	1.339899022	103.798586	756	*Cacatua goffiniana*	Tanimbar corella	Bird	1
13-Sep-21	1	Transect survey (AM)	1.339899022	103.798586	756	*Garrulax leucolophus*	White-crested laughingthrush	Bird	1
13-Sep-21	1	Transect survey (AM)	1.339738006	103.798971	759	*Spilopelia chinensis*	Spotted dove	Bird	1
13-Sep-21	1	Transect survey (AM)	1.339738006	103.798971	759	*Acridotheres javanicus*	Javan myna	Bird	3
13-Sep-21	1	Transect survey (AM)	1.339777987	103.799216	801	*Orthotomus atrogularis*	Dark-necked tailorbird	Bird	1
13-Sep-21	1	Transect survey (AM)	1.339633986	103.799224	803	*Gracula religiosa*	Common hill myna	Bird	1
13-Sep-21	1	Transect survey (AM)	1.339631975	103.799127	807	*Pycnonotus plumosus*	Olive-winged bulbul	Bird	1

13-Sep-21	1	Transect survey (AM)	1.339053037	103.798781	814	*Oriolus chinensis*	Black-naped oriole	Bird	1
13-Sep-21	1	Transect survey (AM)	1.339053037	103.798781	814	*Gracula religiosa*	Common hill myna	Bird	1
13-Sep-21	1	Transect survey (AM)	1.338670989	103.798621	816	*Mixornis gularis*	Pin-striped tit-babbler	Bird	4
13-Sep-21	1	Transect survey (AM)	1.338670989	103.798621	816	*Gekko monarchus*	Spotted house gecko	Reptile	1
13-Sep-21	1	Transect survey (AM)	1.338670989	103.798621	816	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	4
13-Sep-21	1	Transect survey (AM)	1.338670989	103.798621	816	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	1
13-Sep-21	1	Transect survey (AM)	1.338232029	103.798506	818	*Pycnonotus plumosus*	Olive-winged bulbul	Bird	1
13-Sep-21	1	Transect survey (AM)	1.338232029	103.798506	818	*Orthotomus atrogularis*	Dark-necked tailorbird	Bird	1
13-Sep-21	1	Transect survey (AM)	1.337797008	103.798421	820	*Treron vernans*	Pink-necked green pigeon	Bird	10
13-Sep-21	1	Transect survey (AM)	1.337797008	103.798421	820	*Gallus gallus*	Red junglefowl	Bird	1
13-Sep-21	1	Transect survey (AM)	1.337797008	103.798421	820	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
13-Sep-21	1	Transect survey (AM)	1.337797008	103.798421	820	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	1
13-Sep-21	1	Transect survey (AM)	1.337797008	103.798421	820	*Zosterops simplex*	Swinhoe's white-eye	Bird	3
13-Sep-21	1	Transect survey (AM)	1.337797008	103.798421	820	*Aerodramus sp.*	Swiftlet sp.	Bird	1
13-Sep-21	1	Transect survey (AM)	1.337691983	103.798572	822	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	1
13-Sep-21	1	Transect survey (AM)	1.337691983	103.798572	822	*Callosciurus notatus*	Plantain squirrel	Mammal	1
13-Sep-21	1	Transect survey (AM)	1.33763398	103.798766	824	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	2
13-Sep-21	1	Transect survey (AM)	1.33763398	103.798766	824	*Callosciurus notatus*	Plantain squirrel	Mammal	3
13-Sep-21	1	Transect survey (AM)	1.33763398	103.798766	824	*Oriolus chinensis*	Black-naped oriole	Bird	2
13-Sep-21	1	Transect survey (AM)	1.33763398	103.798766	824	*Psittacula sp.*	Parakeet sp.	Bird	1
13-Sep-21	1	Transect survey (AM)	1.337525016	103.798589	826	*Psilopogon lineatus*	Lineated barbet	Bird	1
13-Sep-21	1	Transect survey (AM)	1.337525016	103.798589	826	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	4
13-Sep-21	1	Transect survey (AM)	1.337525016	103.798589	826	*Callosciurus notatus*	Plantain squirrel	Mammal	1
13-Sep-21	1	Transect survey (AM)	1.337271966	103.798375	830	*Orthotomus atrogularis*	Dark-necked tailorbird	Bird	1
13-Sep-21	1	Transect survey (AM)	1.337271966	103.798375	830	*Zosterops simplex*	Swinhoe's white-eye	Bird	3
13-Sep-21	1	Transect survey (AM)	1.337271966	103.798375	830	*Lanius tigrinus*	Tiger shrike	Bird	1
13-Sep-21	1	Transect survey (AM)	1.337271966	103.798375	830	*Anthreptes malacensis*	Brown-throated sunbird	Bird	1
13-Sep-21	1	Transect survey (AM)	1.337271966	103.798375	830	*Aerodramus sp.*	Swiftlet sp.	Bird	5
13-Sep-21	1	Transect survey (AM)	1.337271966	103.798375	830	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	2
13-Sep-21	1	Transect survey (AM)	1.337271966	103.798375	830	*Psilopogon lineatus*	Lineated barbet	Bird	1
13-Sep-21	1	Transect survey (AM)	1.337271966	103.798375	830	*Acridotheres javanicus*	Javan myna	Bird	1

13-Sep-21	1	Transect survey (AM)	1.337271966	103.798375	830	*Bronchocela cristatella*	Green crested lizard	Reptile	1
13-Sep-21	1	Transect survey (AM)	1.337285964	103.798248	834	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	5
13-Sep-21	1	Transect survey (AM)	1.337386966	103.798166	835	*Psilopogon haemacephalus*	Coppersmith barbet	Bird	1
13-Sep-21	1	Transect survey (AM)	1.337665999	103.798028	837	*Dinopium javanense*	Common flameback	Bird	1
13-Sep-21	1	Transect survey (AM)	1.337802038	103.79797	838	*Garrulax leucolophus*	White-crested laughingthrush	Bird	3
13-Sep-21	1	Transect survey (AM)	1.337802038	103.79797	838	*Mixornis gularis*	Pin-striped tit-babbler	Bird	2
13-Sep-21	1	Transect survey (AM)	1.338401008	103.797933	842	*Oriolus chinensis*	Black-naped oriole	Bird	1
13-Sep-21	1	Transect survey (AM)	1.338401008	103.797933	842	*Mixornis gularis*	Pin-striped tit-babbler	Bird	2
13-Sep-21	1	Transect survey (AM)	1.338587003	103.798075	843	*Eutropis sp.*	Sun skink sp.	Reptile	1
13-Sep-21	1	Transect survey (AM)	1.338587003	103.798075	843	*Anthreptes malacensis*	Brown-throated sunbird	Bird	1
13-Sep-21	1	Transect survey (AM)	1.338948011	103.798173	847	*Acridotheres javanicus*	Javan myna	Bird	1
13-Sep-21	1	Transect survey (AM)	1.339098969	103.798075	849	*Dicaeum cruentatum*	Scarlet-backed flowerpecker	Bird	1
13-Sep-21	1	Transect survey (AM)	1.339098969	103.798075	849	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
13-Sep-21	1	Transect survey (AM)	1.339225033	103.79795	850	*Zosterops simplex*	Swinhoe's white-eye	Bird	10
13-Sep-21	1	Transect survey (AM)	1.339225033	103.79795	850	*Psittacula longicauda*	Long-tailed parakeet	Bird	2
13-Sep-21	1	Transect survey (AM)	1.339225033	103.79795	850	*Pycnonotus zeylanicus*	Straw-headed bulbul	Bird	1
13-Sep-21	1	Transect survey (AM)	1.339225033	103.79795	850	*Treron vernans*	Pink-necked green pigeon	Bird	1
13-Sep-21	1	Transect survey (AM)	1.339559974	103.797819	853	*Dinopium javanense*	Common flameback	Bird	1
13-Sep-21	1	Transect survey (AM)	1.339443969	103.797616	854	*Oriolus chinensis*	Black-naped oriole	Bird	1
13-Sep-21	1	Transect survey (AM)	1.339443969	103.797616	854	*Aerodramus sp.*	Swiftlet sp.	Bird	2
13-Sep-21	1	Transect survey (AM)	1.339443969	103.797616	854	*Treron vernans*	Pink-necked green pigeon	Bird	1
13-Sep-21	1	Transect survey (AM)	1.339443969	103.797616	854	*Psittacula longicauda*	Long-tailed parakeet	Bird	1
13-Sep-21	1	Transect survey (AM)	1.339598028	103.797488	857	*Aegithina tiphia*	Common iora	Bird	1
13-Sep-21	1	Transect survey (AM)	1.33968302	103.7973	900	*Unidentified Clariidae*	#N/A	Fish	1
13-Sep-21	1	Transect survey (AM)	1.33968302	103.7973	900	*Rasbora sp.*	NA	Fish	5
13-Sep-21	1	Transect survey (AM)	1.33968302	103.7973	900	*Mixornis gularis*	Pin-striped tit-babbler	Bird	5
13-Sep-21	1	Transect survey (AM)	1.33968302	103.7973	900	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	10
13-Sep-21	1	Transect survey (AM)	1.339497026	103.797087	904	*Hirundo tahitica*	Pacific swallow	Bird	1
13-Sep-21	1	Transect survey (AM)	1.339497026	103.797087	904	*Mixornis gularis*	Pin-striped tit-babbler	Bird	5
13-Sep-21	1	Transect survey (AM)	1.339497026	103.797087	904	*Aplonis panayensis*	Asian glossy starling	Bird	20
13-Sep-21	1	Transect survey (AM)	1.339497026	103.797087	904	*Pycnonotus plumosus*	Olive-winged bulbul	Bird	1

13-Sep-21	1	Transect survey (AM)	1.339497026	103.797087	904	*Aerodramus sp.*	Swiftlet sp.	Bird	5
13-Sep-21	1	Transect survey (AM)	1.339497026	103.797087	904	*Treron vernans*	Pink-necked green pigeon	Bird	1
13-Sep-21	1	Transect survey (AM)	1.338806022	103.797058	907	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
13-Sep-21	1	Transect survey (AM)	1.338806022	103.797058	907	*Acridotheres javanicus*	Javan myna	Bird	1
13-Sep-21	1	Transect survey (AM)	1.339087989	103.796839	908	*Trichoglossus haematodus*	Coconut lorikeet	Bird	2
13-Sep-21	1	Transect survey (AM)	1.339087989	103.796839	908	*Treron vernans*	Pink-necked green pigeon	Bird	7
13-Sep-21	1	Transect survey (AM)	1.339087989	103.796839	908	*Hirundo tahitica*	Pacific swallow	Bird	1
13-Sep-21	1	Transect survey (AM)	1.339649996	103.796478	910	*Aerodramus sp.*	Swiftlet sp.	Bird	15
13-Sep-21	1	Transect survey (AM)	1.339858035	103.796509	911	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	1
13-Sep-21	1	Transect survey (AM)	1.340120975	103.796585	912	*Geopelia striata*	Zebra dove	Bird	1
13-Sep-21	1	Transect survey (AM)	1.340120975	103.796585	912	*Loriculus galgulus*	Blue-crowned hanging-parrot	Bird	1
13-Sep-21	1	Transect survey (AM)	1.340120975	103.796585	912	*Orthotomus atrogularis*	Dark-necked tailorbird	Bird	1
13-Sep-21	1	Transect survey (AM)	1.340120975	103.796585	912	*Aethopyga siparaja*	Crimson sunbird	Bird	2
13-Sep-21	1	Transect survey (AM)	1.340120975	103.796585	912	*Aplonis panayensis*	Asian glossy starling	Bird	5
13-Sep-21	1	Transect survey (AM)	1.34037503	103.796514	915	*Geopelia striata*	Zebra dove	Bird	1
13-Sep-21	1	Transect survey (AM)	1.34037503	103.796514	915	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
13-Sep-21	1	Transect survey (AM)	1.34037503	103.796514	915	*Dinopium javanense*	Common flameback	Bird	1
13-Sep-21	1	Transect survey (AM)	1.340921028	103.796544	918	*Dicrurus paradiseus*	Greater racket-tailed drongo	Bird	1
13-Sep-21	1	Transect survey (AM)	1.340921028	103.796544	918	*Aplonis panayensis*	Asian glossy starling	Bird	10
13-Sep-21	1	Transect survey (AM)	1.341943033	103.796056	925	*Aegithina tiphia*	Common iora	Bird	1
13-Sep-21	1	Transect survey (AM)	1.341943033	103.796056	925	*Oriolus chinensis*	Black-naped oriole	Bird	2
13-Sep-21	1	Transect survey (AM)	1.341943033	103.796056	925	*Gallus gallus*	Red junglefowl	Bird	2
13-Sep-21	1	Transect survey (AM)	1.342219971	103.796027	926	*Acridotheres javanicus*	Javan myna	Bird	1
13-Sep-21	1	Transect survey (AM)	1.342219971	103.796027	926	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
14-Sep-21	1	Transect survey (AM)	1.341187991	103.798234	908	*Mycalesis sp.*	Bush brown sp.	Butterfly	2
14-Sep-21	1	Transect survey (AM)	1.341187991	103.798234	908	*Neurothemis fluctuans*	Common parasol	Odonata	3
14-Sep-21	1	Transect survey (AM)	1.341187991	103.798234	908	*Ypthima sp.*	Ring sp.	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.341331992	103.798354	910	*Neurothemis fluctuans*	Common parasol	Odonata	1
14-Sep-21	1	Transect survey (AM)	1.341412961	103.798391	912	*Ropalidia sumatrae*	NA	Aculeata	2
14-Sep-21	1	Transect survey (AM)	1.341412961	103.798391	912	*Neurothemis fluctuans*	Common parasol	Odonata	1
14-Sep-21	1	Transect survey (AM)	1.341412961	103.798391	912	*Junonia hedonia ida*	Chocolate pansy	Butterfly	1

14-Sep-21	1	Transect survey (AM)	1.341412961	103.798391	912	*Mycalesis sp.*	Bush brown sp.	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.341485968	103.798494	914	*Camacinia gigantea*	Sultan	Odonata	1
14-Sep-21	1	Transect survey (AM)	1.34149896	103.79852	915	*Lasippa tiga siaka*	Malayan lascar	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.34149896	103.79852	915	*Neurothemis fluctuans*	Common parasol	Odonata	1
14-Sep-21	1	Transect survey (AM)	1.341554029	103.798736	917	*Gynacantha sp.*	Duskhawker sp.	Odonata	1
14-Sep-21	1	Transect survey (AM)	1.341254963	103.799064	921	*Neurothemis fluctuans*	Common parasol	Odonata	3
14-Sep-21	1	Transect survey (AM)	1.341254963	103.799064	922	*Liostenogaster varipicta*	NA	Aculeata	1
14-Sep-21	1	Transect survey (AM)	1.341254963	103.799064	922	*Camacinia gigantea*	Sultan	Odonata	1
14-Sep-21	1	Transect survey (AM)	1.341254963	103.799064	922	*Ropalidia sumatrae*	NA	Aculeata	1
14-Sep-21	1	Transect survey (AM)	1.341254963	103.799064	922	*Ypthima horsfieldii humei*	Malayan five-ring	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.341086989	103.798963	925	*Neurothemis fluctuans*	Common parasol	Odonata	1
14-Sep-21	1	Transect survey (AM)	1.341086989	103.798963	925	*Ypthima sp.*	Ring sp.	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.341086989	103.798963	925	*Trypoxylon sp.*	NA	Aculeata	1
14-Sep-21	1	Transect survey (AM)	1.341127977	103.798886	926	*Ropalidia sumatrae*	NA	Aculeata	1
14-Sep-21	1	Transect survey (AM)	1.341135018	103.798831	927	*Orthetrum luzonicum*	Slender blue skimmer	Odonata	1
14-Sep-21	1	Transect survey (AM)	1.341135018	103.798831	927	*Lasioglossum albescens*	NA	Aculeata	1
14-Sep-21	1	Transect survey (AM)	1.341135018	103.798831	928	*Neurothemis fluctuans*	Common parasol	Odonata	1
14-Sep-21	1	Transect survey (AM)	1.34102203	103.798569	930	*Ionolyce helicon merguiana*	Pointed line blue	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.340876017	103.7984	931	*Ropalidia sumatrae*	NA	Aculeata	1
14-Sep-21	1	Transect survey (AM)	1.340876017	103.7984	931	*Apis cerana*	Eastern honey bee	Aculeata	1
14-Sep-21	1	Transect survey (AM)	1.340876017	103.7984	934	*Hemiprocne longipennis*	Grey-rumped treeswift	Bird	1
14-Sep-21	1	Transect survey (AM)	1.340876017	103.7984	934	*Ypthima horsfieldii humei*	Malayan five-ring	Butterfly	2
14-Sep-21	1	Transect survey (AM)	1.340707038	103.798375	935	*Apis cerana*	Eastern honey bee	Aculeata	1
14-Sep-21	1	Transect survey (AM)	1.340707038	103.798375	935	*Neurothemis fluctuans*	Common parasol	Odonata	2
14-Sep-21	1	Transect survey (AM)	1.340561025	103.798392	937	*Apis cerana*	Eastern honey bee	Aculeata	1
14-Sep-21	1	Transect survey (AM)	1.340413	103.798429	939	*Neurothemis fluctuans*	Common parasol	Odonata	1
14-Sep-21	1	Transect survey (AM)	1.340413	103.798429	940	*Apis cerana*	Eastern honey bee	Aculeata	1
14-Sep-21	1	Transect survey (AM)	1.340106977	103.798475	941	*Lasippa tiga siaka*	Malayan lascar	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.340106977	103.798475	942	*Ropalidia stigma*	NA	Aculeata	1
14-Sep-21	1	Transect survey (AM)	1.340106977	103.798475	942	*Neurothemis fluctuans*	Common parasol	Odonata	1
14-Sep-21	1	Transect survey (AM)	1.340034977	103.798494	944	*Nomia sp. aff. apicalis (finer*	NA	Aculeata	1

14-Sep-21	1	Transect survey (AM)	1.340034977	103.798494	944	*Apis cerana*	Eastern honey bee	Aculeata	3
14-Sep-21	1	Transect survey (AM)	1.340034977	103.798494	944	*Nomia fuscipennis*	NA	Aculeata	1
14-Sep-21	1	Transect survey (AM)	1.340034977	103.798494	944	*Neurothemis fluctuans*	Common parasol	Odonata	1
14-Sep-21	1	Transect survey (AM)	1.339902962	103.798551	948	*Camacinia gigantea*	Sultan	Odonata	1
14-Sep-21	1	Transect survey (AM)	1.339745969	103.798808	949	*Eurema sp.*	Grass yellow sp.	Butterfly	2
14-Sep-21	1	Transect survey (AM)	1.339714034	103.799048	952	*Ropalidia sumatrae*	NA	Aculeata	TMTC
14-Sep-21	1	Transect survey (AM)	1.338383993	103.798573	1004	*Delias hyparete metarete*	Painted jezebel	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.337955007	103.798485	1007	*Dicrurus paradiseus*	Greater racket-tailed drongo	Bird	1
14-Sep-21	1	Transect survey (AM)	1.337616965	103.798773	1009	*Gynacantha subinterrupta*	Dingy duskhawker	Odonata	1
14-Sep-21	1	Transect survey (AM)	1.337501965	103.798547	1011	*Caltoris cormasa*	Full stop swift	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.337501965	103.798547	1011	*Eurema sp.*	Grass yellow sp.	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.337353019	103.798439	1012	*Tyriobapta torrida*	Treehugger	Odonata	2
14-Sep-21	1	Transect survey (AM)	1.337257968	103.798323	1014	*Amegilla andrewsi*	Andrew's blue-banded digger bee	Aculeata	1
14-Sep-21	1	Transect survey (AM)	1.337257968	103.798323	1014	*Apis cerana*	Eastern honey bee	Aculeata	1
14-Sep-21	1	Transect survey (AM)	1.337257968	103.798323	1014	*Neurothemis fluctuans*	Common parasol	Odonata	2
14-Sep-21	1	Transect survey (AM)	1.337257968	103.798323	1014	*Junonia hedonia ida*	Chocolate pansy	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.337254029	103.798248	1015	*Junonia hedonia ida*	Chocolate pansy	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.337254029	103.798248	1015	*Neurothemis fluctuans*	Common parasol	Odonata	1
14-Sep-21	1	Transect survey (AM)	1.337254029	103.798248	1015	*Mycalesis sp.*	Bush brown sp.	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.337254029	103.798248	1015	*Stenodyneriellus guttulatus*	NA	Aculeata	1
14-Sep-21	1	Transect survey (AM)	1.337266015	103.798232	1016	*Mycalesis mineus macromal*	Dark brand bush brown	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.337353019	103.798182	1018	*Mycalesis perseoides perseo*	Burmese bush brown	Butterfly	2
14-Sep-21	1	Transect survey (AM)	1.337857023	103.797937	1023	*Neurothemis fluctuans*	Common parasol	Odonata	1
14-Sep-21	1	Transect survey (AM)	1.339225033	103.798005	1037	*Neurothemis fluctuans*	Common parasol	Odonata	2
14-Sep-21	1	Transect survey (AM)	1.339225033	103.798005	1037	*Jamides celeno aelianus*	Common caerulean	Butterfly	7
14-Sep-21	1	Transect survey (AM)	1.339225033	103.798005	1037	*Ropalidia sumatrae*	NA	Aculeata	2
14-Sep-21	1	Transect survey (AM)	1.339225033	103.798005	1037	*Mycalesis sp.*	Bush brown sp.	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.339225033	103.798005	1040	*Oriens gola pseudolus*	Common dartlet	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.339315977	103.797951	1041	*Graphium sp.*	#N/A	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.339888042	103.797323	1048	*Junonia hedonia ida*	Chocolate pansy	Butterfly	3
14-Sep-21	1	Transect survey (AM)	1.339888042	103.797323	1048	*Ypthima baldus newboldi*	Common five-ring	Butterfly	1

14-Sep-21	1	Transect survey (AM)	1.339888042	103.797323	1048	*Sphex subtruncatus*	NA	Aculeata	1
14-Sep-21	1	Transect survey (AM)	1.339888042	103.797323	1048	*Graphium sarpedon luctatius*	Common bluebottle	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.339888042	103.797323	1048	*Stenodyneriellus guttulatus*	NA	Aculeata	1
14-Sep-21	1	Transect survey (AM)	1.339888042	103.797323	1048	*Apis cerana*	Eastern honey bee	Aculeata	10
14-Sep-21	1	Transect survey (AM)	1.339888042	103.797323	1048	*Iambrix salsala salsala*	Chestnut bob	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.339840014	103.797118	1054	*Ropalidia jacobsoni*	NA	Aculeata	2
14-Sep-21	1	Transect survey (AM)	1.339840014	103.797118	1054	*Orthetrum sabina*	Variegated green skimmer	Odonata	1
14-Sep-21	1	Transect survey (AM)	1.339423014	103.797085	1057	*Xylocopa latipes*	Broad-handed carpenter bee	Aculeata	1
14-Sep-21	1	Transect survey (AM)	1.339332992	103.79714	1100	*Crocothemis servilia*	Common scarlet	Odonata	1
14-Sep-21	1	Transect survey (AM)	1.339332992	103.79714	1100	*Trithemis festiva*	Indigo dropwing	Odonata	3
14-Sep-21	1	Transect survey (AM)	1.339332992	103.79714	1100	*Trithemis aurora*	Crimson dropwing	Odonata	3
14-Sep-21	1	Transect survey (AM)	1.339332992	103.79714	1100	*Orthetrum chrysis*	Spine-tufted skimmer	Odonata	1
14-Sep-21	1	Transect survey (AM)	1.339332992	103.79714	1100	*Neurothemis fluctuans*	Common parasol	Odonata	1
14-Sep-21	1	Transect survey (AM)	1.339134006	103.797182	1105	*Orthetrum luzonicum*	Slender blue skimmer	Odonata	1
14-Sep-21	1	Transect survey (AM)	1.339134006	103.797182	1105	*Agriocnemis femina*	Variable wisp	Odonata	1
14-Sep-21	1	Transect survey (AM)	1.339134006	103.797182	1105	*Trypoxylon sp.*	NA	Aculeata	1
14-Sep-21	1	Transect survey (AM)	1.338972989	103.797203	1105	*Orthetrum testaceum*	Scarlet skimmer	Odonata	1
14-Sep-21	1	Transect survey (AM)	1.338972989	103.797203	1105	*Zizula hylax pygmaea*	Pygmy grass blue	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.338972989	103.797203	1105	*Trithemis festiva*	Indigo dropwing	Odonata	1
14-Sep-21	1	Transect survey (AM)	1.33882002	103.797119	1107	*Mycalesis sp.*	Bush brown sp.	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.339574978	103.796613	1109	*Ypthima sp.*	Ring sp.	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.340087028	103.796601	1113	*Ropalidia sumatrae*	NA	Aculeata	1
14-Sep-21	1	Transect survey (AM)	1.340087028	103.796601	1113	*Borbo cinnara*	Formosan swift	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.340214014	103.7966	1114	*Borbo cinnara*	Formosan swift	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.340241004	103.796578	1114	*Ropalidia sumatrae*	NA	Aculeata	3
14-Sep-21	1	Transect survey (AM)	1.340241004	103.796578	1115	*Ypthima sp.*	Ring sp.	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.340241004	103.796578	1115	*Iambrix salsala salsala*	Chestnut bob	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.340241004	103.796578	1115	*Mycalesis sp.*	Bush brown sp.	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.340241004	103.796578	1115	*Apis cerana*	Eastern honey bee	Aculeata	2
14-Sep-21	1	Transect survey (AM)	1.340241004	103.796578	1115	*Orthetrum luzonicum*	Slender blue skimmer	Odonata	1
14-Sep-21	1	Transect survey (AM)	1.340241004	103.796578	1115	*Mycalesis perseoides perseo*	Burmese bush brown	Butterfly	1

14-Sep-21	1	Transect survey (AM)	1.340346029	103.796527	1118	*Mycalesis visala phamis*	Long brand bush brown	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.340393974	103.796531	1118	*Iambrix salsala salsala*	Chestnut bob	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.340393974	103.796531	1119	*Apis cerana*	Eastern honey bee	Aculeata	2
14-Sep-21	1	Transect survey (AM)	1.341295028	103.796441	1126	*Mycalesis mineus macromal*	Dark brand bush brown	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.341945967	103.796116	1129	*Neptis hylas papaja*	Common sailor	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.341945967	103.796116	1129	*Hypolimnas bolina bolina*	Great eggfly	Butterfly	1
14-Sep-21	1	Transect survey (AM)	1.342332037	103.796252	1131	*Eooxylides tharis distanti*	Branded imperial	Butterfly	1
15-Sep-21	1	Transect survey (PM)	1.341309026	103.798299	1949	*Caprimulgus macrurus*	Large-tailed nightjar	Bird	1
15-Sep-21	1	Transect survey (PM)	1.341424026	103.798315	1951	*Dendrelaphis pictus*	Painted bronzeback	Reptile	2
15-Sep-21	1	Transect survey (PM)	1.341486974	103.798861	1958	*Caprimulgus macrurus*	Large-tailed nightjar	Bird	1
15-Sep-21	1	Transect survey (PM)	1.341242976	103.79901	2000	*Dendrelaphis pictus*	Painted bronzeback	Reptile	1
15-Sep-21	1	Transect survey (PM)	1.341145998	103.798991	2003	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	2
15-Sep-21	1	Transect survey (PM)	1.341145998	103.798991	2003	*Microhyla heymonsi*	Dark-sided chorus frog	Amphibian	5
15-Sep-21	1	Transect survey (PM)	1.341145998	103.798991	2003	*Microhyla mukhlesuri*	East Asian ornate chorus frog	Amphibian	5
15-Sep-21	1	Transect survey (PM)	1.340807034	103.798331	2008	*Caprimulgus macrurus*	Large-tailed nightjar	Bird	1
15-Sep-21	1	Transect survey (PM)	1.340807034	103.798331	2008	*Caprimulgus macrurus*	Large-tailed nightjar	Bird	1
15-Sep-21	1	Transect survey (PM)	1.340807034	103.798331	2008	*Unidentified Gekkonidae*	Unidentified gecko	Reptile	1
15-Sep-21	1	Transect survey (PM)	1.340640988	103.798358	2011	*Bronchocela cristatella*	Green crested lizard	Reptile	1
15-Sep-21	1	Transect survey (PM)	1.340640988	103.798358	2011	*Unidentified Pteropodidae*	Unidentified fruit bat	Mammal	4
15-Sep-21	1	Transect survey (PM)	1.340640988	103.798358	2011	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
15-Sep-21	1	Transect survey (PM)	1.340521965	103.798337	2012	*Paradoxurus musangus*	Sumatran palm civet	Mammal	2
15-Sep-21	1	Transect survey (PM)	1.340521965	103.798337	2014	*Fejervarya limnocharis*	Field frog	Amphibian	1
15-Sep-21	1	Transect survey (PM)	1.340432027	103.798372	2017	*Caprimulgus macrurus*	Large-tailed nightjar	Bird	1
15-Sep-21	1	Transect survey (PM)	1.340432027	103.798372	2017	*Oriolus chinensis*	Black-naped oriole	Bird	1
15-Sep-21	1	Transect survey (PM)	1.339881001	103.798472	2022	*Bronchocela cristatella*	Green crested lizard	Reptile	1
15-Sep-21	1	Transect survey (PM)	1.339779999	103.798695	2023	*Oriolus chinensis*	Black-naped oriole	Bird	2
15-Sep-21	1	Transect survey (PM)	1.339703975	103.798776	2025	*Microhyla heymonsi*	Dark-sided chorus frog	Amphibian	3
15-Sep-21	1	Transect survey (PM)	1.339758039	103.798947	2028	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	2
15-Sep-21	1	Transect survey (PM)	1.339430977	103.798939	2033	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
15-Sep-21	1	Transect survey (PM)	1.339016994	103.798937	2042	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
15-Sep-21	1	Transect survey (PM)	1.339016994	103.798937	2042	*Limnonectes blythii*	Malayan giant frog	Amphibian	1

15-Sep-21	1	Transect survey (PM)	1.339016994	103.798937	2042	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
15-Sep-21	1	Transect survey (PM)	1.339016994	103.798937	2043	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
15-Sep-21	1	Transect survey (PM)	1.337478999	103.79861	2052	*Bronchocela cristatella*	Green crested lizard	Reptile	1
15-Sep-21	1	Transect survey (PM)	1.337478999	103.79861	2057	*Unidentified Pteropodidae*	Unidentified fruit bat	Mammal	1
15-Sep-21	1	Transect survey (PM)	1.337537002	103.797964	2104	*Unidentified Pteropodidae*	Unidentified fruit bat	Mammal	1
15-Sep-21	1	Transect survey (PM)	1.338084005	103.797894	2108	*Treron vernans*	Pink-necked green pigeon	Bird	1
15-Sep-21	1	Transect survey (PM)	1.338279974	103.797964	2111	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	3
15-Sep-21	1	Transect survey (PM)	1.338608963	103.798095	2114	*Oriolus chinensis*	Black-naped oriole	Bird	1
15-Sep-21	1	Transect survey (PM)	1.338785989	103.79819	2116	*Unidentified Pteropodidae*	Unidentified fruit bat	Mammal	1
15-Sep-21	1	Transect survey (PM)	1.339116991	103.79806	2120	*Oriolus chinensis*	Black-naped oriole	Bird	6
15-Sep-21	1	Transect survey (PM)	1.339477999	103.797613	2127	*Fejervarya limnocharis*	Field frog	Amphibian	1
15-Sep-21	1	Transect survey (PM)	1.339601967	103.797438	2130	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
15-Sep-21	1	Transect survey (PM)	1.33967598	103.797357	2130	*Unidentified Pteropodidae*	Unidentified fruit bat	Mammal	1
15-Sep-21	1	Transect survey (PM)	1.33967598	103.797357	2132	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	1
15-Sep-21	1	Transect survey (PM)	1.33967598	103.797357	2132	*Unidentified Gekkonidae*	Unidentified gecko	Reptile	1
15-Sep-21	1	Transect survey (PM)	1.339859962	103.797145	2133	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
15-Sep-21	1	Transect survey (PM)	1.338765034	103.797157	2137	*Fejervarya sp.*	NA	Amphibian	1
15-Sep-21	1	Transect survey (PM)	1.339828027	103.796457	2142	*Microhyla heymonsi*	Dark-sided chorus frog	Amphibian	1
15-Sep-21	1	Transect survey (PM)	1.339828027	103.796457	2145	*Unidentified Gekkonidae*	Unidentified gecko	Reptile	1
15-Sep-21	1	Transect survey (PM)	1.339828027	103.796457	2149	*Otus lempiji*	Sunda scops owl	Bird	1
15-Sep-21	1	Transect survey (PM)	1.339828027	103.796457	2150	*Unidentified Pteropodidae*	Unidentified fruit bat	Mammal	1
15-Sep-21	1	Transect survey (PM)	1.340403026	103.796503	2156	*Dendrelaphis pictus*	Painted bronzeback	Reptile	1
15-Sep-21	1	Transect survey (PM)	1.340478966	103.79659	2158	*Caprimulgus macrurus*	Large-tailed nightjar	Bird	1
15-Sep-21	1	Transect survey (PM)	1.340602012	103.796617	2159	*Dendrelaphis pictus*	Painted bronzeback	Reptile	1
15-Sep-21	1	Transect survey (PM)	1.340769986	103.796617	2206	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	2
15-Sep-21	1	Transect survey (PM)	1.340769986	103.796617	2206	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	1
15-Sep-21	1	Transect survey (PM)	1.340769986	103.796617	2206	*Duttaphrynus melanostictus*	Asian toad	Amphibian	1
15-Sep-21	1	Transect survey (PM)	1.341650002	103.796218	2215	*Dendrelaphis pictus*	Painted bronzeback	Reptile	1
15-Sep-21	1	Transect survey (PM)	1.341898022	103.796081	2219	*Bronchocela cristatella*	Green crested lizard	Reptile	1
15-Sep-21	1	Transect survey (PM)	1.341898022	103.796081	2219	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	1
15-Sep-21	1	Transect survey (PM)	1.341898022	103.796081	2219	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1

15-Sep-21	1	Transect survey (PM)	1.34280201	103.796923	2231	*Strix seloputo*	Spotted wood owl	Bird	1
25-Sep-21	2	Transect survey (AM)	1.342279986	103.796213	848	*Mycalesis perseoides perseo*	Burmese bush brown	Butterfly	4
25-Sep-21	2	Transect survey (AM)	1.342261964	103.796091	851	*Mycalesis visala phamis*	Long brand bush brown	Butterfly	3
25-Sep-21	2	Transect survey (AM)	1.342039006	103.795986	852	*Haliastur indus*	Brahminy kite	Bird	1
25-Sep-21	2	Transect survey (AM)	1.34129704	103.796331	859	*Mycalesis visala phamis*	Long brand bush brown	Butterfly	2
25-Sep-21	2	Transect survey (AM)	1.340957992	103.796508	903	*Iambrix salsala salsala*	Chestnut bob	Butterfly	1
25-Sep-21	2	Transect survey (AM)	1.340291966	103.796507	909	*Naja sumatrana*	Equatorial spitting cobra	Reptile	1
25-Sep-21	2	Transect survey (AM)	1.340291966	103.796507	909	*Potanthus omaha omaha*	Lesser dart	Butterfly	1
25-Sep-21	2	Transect survey (AM)	1.340291966	103.796507	909	*Oriens gola pseudolus*	Common dartlet	Butterfly	1
25-Sep-21	2	Transect survey (AM)	1.340268999	103.796518	911	*Potanthus omaha omaha*	Lesser dart	Butterfly	2
25-Sep-21	2	Transect survey (AM)	1.340268999	103.796518	911	*Mycalesis sp.*	Bush brown sp.	Butterfly	1
25-Sep-21	2	Transect survey (AM)	1.340093985	103.796585	915	*Iambrix salsala salsala*	Chestnut bob	Butterfly	1
25-Sep-21	2	Transect survey (AM)	1.339990972	103.796566	917	*Mycalesis visala phamis*	Long brand bush brown	Butterfly	1
25-Sep-21	2	Transect survey (AM)	1.338913981	103.797189	923	*Accipiter trivirgatus*	Crested goshawk	Bird	1
25-Sep-21	2	Transect survey (AM)	1.339341961	103.79711	925	*Calotes versicolor*	Changeable lizard	Reptile	1
25-Sep-21	2	Transect survey (AM)	1.339341961	103.79711	925	*Pycnonotus zeylanicus*	Straw-headed bulbul	Bird	2
25-Sep-21	2	Transect survey (AM)	1.339396024	103.797837	934	*Jamides celeno aelianus*	Common caerulean	Butterfly	15
25-Sep-21	2	Transect survey (AM)	1.339396024	103.797837	934	*Iambrix salsala salsala*	Chestnut bob	Butterfly	1
25-Sep-21	2	Transect survey (AM)	1.339200977	103.797978	942	*Mycalesis perseoides perseo*	Burmese bush brown	Butterfly	1
25-Sep-21	2	Transect survey (AM)	1.338584991	103.798052	946	*Eutropis multifasciata*	Many-lined sun skink	Reptile	1
25-Sep-21	2	Transect survey (AM)	1.33788703	103.797943	952	*Ancistroides nigrita maura*	Chocolate demon	Butterfly	1
25-Sep-21	2	Transect survey (AM)	1.337295016	103.798241	956	*Mycalesis perseoides perseo*	Burmese bush brown	Butterfly	1
25-Sep-21	2	Transect survey (AM)	1.337516969	103.798602	959	*Tanaecia pelea pelea*	Malay viscount	Butterfly	1
25-Sep-21	2	Transect survey (AM)	1.34116997	103.799034	1022	*Junonia hedonia ida*	Chocolate pansy	Butterfly	1
25-Sep-21	2	Transect survey (AM)	1.34146099	103.798902	1024	*Ypthima horsfieldii humei*	Malayan five-ring	Butterfly	1
25-Sep-21	2	Transect survey (AM)	1.341545982	103.798545	1026	*Mycalesis perseoides perseo*	Burmese bush brown	Butterfly	1
25-Sep-21	2	Transect survey (AM)	1.341440035	103.79844	1028	*Ypthima horsfieldii humei*	Malayan five-ring	Butterfly	1
25-Sep-21	2	Transect survey (AM)	1.341412039	103.798337	1029	*Mycalesis visala phamis*	Long brand bush brown	Butterfly	1
25-Sep-21	2	Transect survey (AM)	1.341412039	103.798337	1029	*Lasippa tiga siaka*	Malayan lascar	Butterfly	1
25-Sep-21	2	Transect survey (AM)	1.341249011	103.798266	1030	*Mycalesis mineus macromal*	Dark brand bush brown	Butterfly	1
07-Oct-21	2	Transect survey (AM)	1.342328014	103.796432	653	*Psittacula alexandri*	Red-breasted parakeet	Bird	1

07-Oct-21	2	Transect survey (AM)	1.342328014	103.796432	653	*Eudynamys scolopaceus*	Asian koel	Bird	1
07-Oct-21	2	Transect survey (AM)	1.342328014	103.796432	653	*Pycnonotus zeylanicus*	Straw-headed bulbul	Bird	1
07-Oct-21	2	Transect survey (AM)	1.342328014	103.796432	653	*Oriolus chinensis*	Black-naped oriole	Bird	1
07-Oct-21	2	Transect survey (AM)	1.342328014	103.796432	653	*Geopelia striata*	Zebra dove	Bird	1
07-Oct-21	2	Transect survey (AM)	1.342328014	103.796432	653	*Psilopogon lineatus*	Lineated barbet	Bird	2
07-Oct-21	2	Transect survey (AM)	1.342328014	103.796432	653	*Mixornis gularis*	Pin-striped tit-babbler	Bird	2
07-Oct-21	2	Transect survey (AM)	1.342328014	103.796432	653	*Gallus gallus*	Red junglefowl	Bird	1
07-Oct-21	2	Transect survey (AM)	1.342328014	103.796432	653	*Ficedula zanthopygia*	Yellow-rumped flycatcher	Bird	1
07-Oct-21	2	Transect survey (AM)	1.34234	103.796174	657	*Ficedula zanthopygia*	Yellow-rumped flycatcher	Bird	1
07-Oct-21	2	Transect survey (AM)	1.34234	103.796174	657	*Psittacula alexandri*	Red-breasted parakeet	Bird	1
07-Oct-21	2	Transect survey (AM)	1.34234	103.796174	655	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	3
07-Oct-21	2	Transect survey (AM)	1.342117963	103.796035	659	*Psittacula longicauda*	Long-tailed parakeet	Bird	1
07-Oct-21	2	Transect survey (AM)	1.342117963	103.796035	659	*Mixornis gularis*	Pin-striped tit-babbler	Bird	1
07-Oct-21	2	Transect survey (AM)	1.341941021	103.796092	659	*Oriolus chinensis*	Black-naped oriole	Bird	1
07-Oct-21	2	Transect survey (AM)	1.341623012	103.796331	704	*Oriolus chinensis*	Black-naped oriole	Bird	1
07-Oct-21	2	Transect survey (AM)	1.341623012	103.796331	704	*Aplonis panayensis*	Asian glossy starling	Bird	2
07-Oct-21	2	Transect survey (AM)	1.341623012	103.796331	704	*Chrysophlegma miniaceum*	Banded woodpecker	Bird	1
07-Oct-21	2	Transect survey (AM)	1.341623012	103.796331	704	*Eudynamys scolopaceus*	Asian koel	Bird	1
07-Oct-21	2	Transect survey (AM)	1.341494014	103.79641	705	*Psittacula alexandri*	Red-breasted parakeet	Bird	1
07-Oct-21	2	Transect survey (AM)	1.341239037	103.796508	707	*Eudynamys scolopaceus*	Asian koel	Bird	1
07-Oct-21	2	Transect survey (AM)	1.341239037	103.796508	707	*Chrysophlegma miniaceum*	Banded woodpecker	Bird	1
07-Oct-21	2	Transect survey (AM)	1.341239037	103.796508	707	*Oriolus chinensis*	Black-naped oriole	Bird	1
07-Oct-21	2	Transect survey (AM)	1.341239037	103.796508	708	*Treron vernans*	Pink-necked green pigeon	Bird	1
07-Oct-21	2	Transect survey (AM)	1.341239037	103.796508	708	*Orthotomus atrogularis*	Dark-necked tailorbird	Bird	1
07-Oct-21	2	Transect survey (AM)	1.341239037	103.796508	708	*Psilopogon lineatus*	Lineated barbet	Bird	1
07-Oct-21	2	Transect survey (AM)	1.341101993	103.796583	709	*Aplonis panayensis*	Asian glossy starling	Bird	2
07-Oct-21	2	Transect survey (AM)	1.34097903	103.796569	711	*Acridotheres javanicus*	Javan myna	Bird	3
07-Oct-21	2	Transect survey (AM)	1.340652974	103.796626	716	*Pycnonotus zeylanicus*	Straw-headed bulbul	Bird	1
07-Oct-21	2	Transect survey (AM)	1.340652974	103.796626	716	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	5
07-Oct-21	2	Transect survey (AM)	1.340652974	103.796626	716	*Oriolus chinensis*	Black-naped oriole	Bird	2
07-Oct-21	2	Transect survey (AM)	1.340652974	103.796626	716	*Treron vernans*	Pink-necked green pigeon	Bird	2

07-Oct-21	2	Transect survey (AM)	1.340652974	103.796626	716	*Callosciurus notatus*	Plantain squirrel	Mammal	1
07-Oct-21	2	Transect survey (AM)	1.340598995	103.796675	717	*Psittacula longicauda*	Long-tailed parakeet	Bird	1
07-Oct-21	2	Transect survey (AM)	1.340552978	103.796664	718	*Callosciurus notatus*	Plantain squirrel	Mammal	1
07-Oct-21	2	Transect survey (AM)	1.340552978	103.796664	718	*Pycnonotus plumosus*	Olive-winged bulbul	Bird	1
07-Oct-21	2	Transect survey (AM)	1.340552978	103.796664	718	*Acridotheres javanicus*	Javan myna	Bird	8
07-Oct-21	2	Transect survey (AM)	1.340552978	103.796664	718	*Gallus gallus*	Red junglefowl	Bird	1
07-Oct-21	2	Transect survey (AM)	1.340356003	103.796633	720	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	3
07-Oct-21	2	Transect survey (AM)	1.340302024	103.796555	722	*Aplonis panayensis*	Asian glossy starling	Bird	10
07-Oct-21	2	Transect survey (AM)	1.340302024	103.796555	722	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	1
07-Oct-21	2	Transect survey (AM)	1.340302024	103.796555	722	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	3
07-Oct-21	2	Transect survey (AM)	1.340302024	103.796555	722	*Psittacula alexandri*	Red-breasted parakeet	Bird	3
07-Oct-21	2	Transect survey (AM)	1.340175038	103.796589	724	*Chrysophlegma miniaceum*	Banded woodpecker	Bird	1
07-Oct-21	2	Transect survey (AM)	1.340175038	103.796589	724	*Oriolus chinensis*	Black-naped oriole	Bird	1
07-Oct-21	2	Transect survey (AM)	1.340081999	103.796594	725	*Spilopelia chinensis*	Spotted dove	Bird	1
07-Oct-21	2	Transect survey (AM)	1.340081999	103.796594	725	*Oriolus chinensis*	Black-naped oriole	Bird	2
07-Oct-21	2	Transect survey (AM)	1.340081999	103.796594	725	*Spilopelia chinensis*	Spotted dove	Bird	2
07-Oct-21	2	Transect survey (AM)	1.340081999	103.796594	725	*Trichoglossus haematodus*	Coconut lorikeet	Bird	4
07-Oct-21	2	Transect survey (AM)	1.340081999	103.796594	725	*Aplonis panayensis*	Asian glossy starling	Bird	17
07-Oct-21	2	Transect survey (AM)	1.340081999	103.796594	725	*Treron vernans*	Pink-necked green pigeon	Bird	2
07-Oct-21	2	Transect survey (AM)	1.340081999	103.796594	725	*Gallus gallus*	Red junglefowl	Bird	1
07-Oct-21	2	Transect survey (AM)	1.340081999	103.796594	725	*Pycnonotus zeylanicus*	Straw-headed bulbul	Bird	1
07-Oct-21	2	Transect survey (AM)	1.340081999	103.796594	725	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	2
07-Oct-21	2	Transect survey (AM)	1.340081999	103.796594	725	*Halcyon smyrnensis*	White-throated kingfisher	Bird	1
07-Oct-21	2	Transect survey (AM)	1.340081999	103.796594	725	*Eurystomus orientalis*	Oriental dollarbird	Bird	1
07-Oct-21	2	Transect survey (AM)	1.340081999	103.796594	725	*Mixornis gularis*	Pin-striped tit-babbler	Bird	1
07-Oct-21	2	Transect survey (AM)	1.340081999	103.796594	725	*Psilopogon lineatus*	Lineated barbet	Bird	1
07-Oct-21	2	Transect survey (AM)	1.338924039	103.796974	734	*Psittacula alexandri*	Red-breasted parakeet	Bird	1
07-Oct-21	2	Transect survey (AM)	1.338924039	103.796974	734	*Oriolus chinensis*	Black-naped oriole	Bird	1
07-Oct-21	2	Transect survey (AM)	1.338797975	103.797151	736	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	5
07-Oct-21	2	Transect survey (AM)	1.338797975	103.797151	736	*Oriolus chinensis*	Black-naped oriole	Bird	2
07-Oct-21	2	Transect survey (AM)	1.338797975	103.797151	736	*Aplonis panayensis*	Asian glossy starling	Bird	5

07-Oct-21	2	Transect survey (AM)	1.339375991	103.797087	737	*Orthotomus sutorius*	Common tailorbird	Bird	1
07-Oct-21	2	Transect survey (AM)	1.339375991	103.797087	737	*Oriolus chinensis*	Black-naped oriole	Bird	1
07-Oct-21	2	Transect survey (AM)	1.339375991	103.797087	737	*Treron vernans*	Pink-necked green pigeon	Bird	1
07-Oct-21	2	Transect survey (AM)	1.339772036	103.797066	739	*Psittacula alexandri*	Red-breasted parakeet	Bird	5
07-Oct-21	2	Transect survey (AM)	1.339772036	103.797066	739	*Psittacula krameri*	Rose-ringed parakeet	Bird	1
07-Oct-21	2	Transect survey (AM)	1.339772036	103.797066	739	*Pycnonotus zeylanicus*	Straw-headed bulbul	Bird	1
07-Oct-21	2	Transect survey (AM)	1.339772036	103.797066	739	*Treron vernans*	Pink-necked green pigeon	Bird	3
07-Oct-21	2	Transect survey (AM)	1.339772036	103.797066	739	*Acridotheres javanicus*	Javan myna	Bird	2
07-Oct-21	2	Transect survey (AM)	1.339821992	103.797216	741	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	10
07-Oct-21	2	Transect survey (AM)	1.339821992	103.797216	741	*Psilopogon lineatus*	Lineated barbet	Bird	1
07-Oct-21	2	Transect survey (AM)	1.339821992	103.797216	742	*Lanius sp.*	Shrike sp.	Bird	1
07-Oct-21	2	Transect survey (AM)	1.339695007	103.797431	743	*Eudynamys scolopaceus*	Asian koel	Bird	1
07-Oct-21	2	Transect survey (AM)	1.339695007	103.797431	743	*Orthotomus sericeus*	Rufous-tailed tailorbird	Bird	1
07-Oct-21	2	Transect survey (AM)	1.339695007	103.797431	743	*Pycnonotus plumosus*	Olive-winged bulbul	Bird	1
07-Oct-21	2	Transect survey (AM)	1.339695007	103.797431	743	*Oriolus chinensis*	Black-naped oriole	Bird	2
07-Oct-21	2	Transect survey (AM)	1.339591993	103.797581	745	*Lanius sp.*	Shrike sp.	Bird	1
07-Oct-21	2	Transect survey (AM)	1.339486968	103.797622	746	*Pycnonotus zeylanicus*	Straw-headed bulbul	Bird	2
07-Oct-21	2	Transect survey (AM)	1.339486968	103.797622	746	*Gallus gallus*	Red junglefowl	Bird	1
07-Oct-21	2	Transect survey (AM)	1.339433994	103.797731	748	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
07-Oct-21	2	Transect survey (AM)	1.339376997	103.797884	749	*Eos bornea*	Red lory	Bird	2
07-Oct-21	2	Transect survey (AM)	1.339376997	103.797884	749	*Loriculus galgulus*	Blue-crowned hanging-parrot	Bird	1
07-Oct-21	2	Transect survey (AM)	1.33933601	103.797911	751	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
07-Oct-21	2	Transect survey (AM)	1.33933601	103.797911	751	*Phylloscopus borealis*	Arctic warbler	Bird	1
07-Oct-21	2	Transect survey (AM)	1.339226961	103.797957	752	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	3
07-Oct-21	2	Transect survey (AM)	1.339226961	103.797957	752	*Aegithina tiphia*	Common iora	Bird	1
07-Oct-21	2	Transect survey (AM)	1.339226961	103.797957	752	*Psittacula alexandri*	Red-breasted parakeet	Bird	1
07-Oct-21	2	Transect survey (AM)	1.339217992	103.79802	753	*Muscicapa dauurica*	Asian brown flycatcher	Bird	1
07-Oct-21	2	Transect survey (AM)	1.339217992	103.79802	753	*Pycnonotus zeylanicus*	Straw-headed bulbul	Bird	1
07-Oct-21	2	Transect survey (AM)	1.339016994	103.798153	756	*Psilopogon lineatus*	Lineated barbet	Bird	1
07-Oct-21	2	Transect survey (AM)	1.338961003	103.798209	757	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	5
07-Oct-21	2	Transect survey (AM)	1.338834018	103.798241	759	*Varanus salvator*	Malayan water monitor	Reptile	1

07-Oct-21	2	Transect survey (AM)	1.338547021	103.798116	800	*Orthotomus atrogularis*	Dark-necked tailorbird	Bird	1
07-Oct-21	2	Transect survey (AM)	1.338417018	103.797912	803	*Mixornis gularis*	Pin-striped tit-babbler	Bird	1
07-Oct-21	2	Transect survey (AM)	1.338417018	103.797912	803	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
07-Oct-21	2	Transect survey (AM)	1.338417018	103.797912	803	*Eudynamys scolopaceus*	Asian koel	Bird	1
07-Oct-21	2	Transect survey (AM)	1.338417018	103.797912	803	*Chrysophlegma miniaceum*	Banded woodpecker	Bird	1
07-Oct-21	2	Transect survey (AM)	1.338261031	103.797986	804	*Psittacula alexandri*	Red-breasted parakeet	Bird	3
07-Oct-21	2	Transect survey (AM)	1.338112	103.797949	806	*Phylloscopus coronatus*	Eastern crowned warbler	Bird	3
07-Oct-21	2	Transect survey (AM)	1.338112	103.797949	806	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	4
07-Oct-21	2	Transect survey (AM)	1.338112	103.797949	810	*Aplonis panayensis*	Asian glossy starling	Bird	1
07-Oct-21	2	Transect survey (AM)	1.338112	103.797949	810	*Gallus gallus*	Red junglefowl	Bird	1
07-Oct-21	2	Transect survey (AM)	1.338112	103.797949	810	*Eudynamys scolopaceus*	Asian koel	Bird	2
07-Oct-21	2	Transect survey (AM)	1.338112	103.797949	810	*Psittacula alexandri*	Red-breasted parakeet	Bird	1
07-Oct-21	2	Transect survey (AM)	1.337983003	103.797879	811	*Cacatua sp.*	Cockatoo sp.	Bird	1
07-Oct-21	2	Transect survey (AM)	1.337260986	103.798235	818	*Eudynamys scolopaceus*	Asian koel	Bird	1
07-Oct-21	2	Transect survey (AM)	1.337360982	103.798417	820	*Aplonis panayensis*	Asian glossy starling	Bird	5
07-Oct-21	2	Transect survey (AM)	1.337360982	103.798417	826	*Psilopogon lineatus*	Lineated barbet	Bird	1
07-Oct-21	2	Transect survey (AM)	1.338266982	103.798512	826	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	2
07-Oct-21	2	Transect survey (AM)	1.338266982	103.798512	828	*Dendronanthus indicus*	Forest wagtail	Bird	1
07-Oct-21	2	Transect survey (AM)	1.338619022	103.798589	829	*Callosciurus notatus*	Plantain squirrel	Mammal	1
07-Oct-21	2	Transect survey (AM)	1.338619022	103.798589	829	*Picus vittatus*	Laced woodpecker	Bird	1
07-Oct-21	2	Transect survey (AM)	1.338619022	103.798589	830	*Bronchocela cristatella*	Green crested lizard	Reptile	1
07-Oct-21	2	Transect survey (AM)	1.338850027	103.798604	833	*Eudynamys scolopaceus*	Asian koel	Bird	1
07-Oct-21	2	Transect survey (AM)	1.338953041	103.798775	836	*Pycnonotus zeylanicus*	Straw-headed bulbul	Bird	1
07-Oct-21	2	Transect survey (AM)	1.339236014	103.798884	837	*Anthreptes malacensis*	Brown-throated sunbird	Bird	1
07-Oct-21	2	Transect survey (AM)	1.339289993	103.798917	838	*Caprimulgus macrurus*	Large-tailed nightjar	Bird	1
07-Oct-21	2	Transect survey (AM)	1.339725014	103.798984	846	*Oriolus chinensis*	Black-naped oriole	Bird	1
07-Oct-21	2	Transect survey (AM)	1.339725014	103.798984	847	*Acridotheres javanicus*	Javan myna	Bird	5
07-Oct-21	2	Transect survey (AM)	1.339718979	103.798722	849	*Aplonis panayensis*	Asian glossy starling	Bird	5
07-Oct-21	2	Transect survey (AM)	1.33980196	103.798605	849	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	2
07-Oct-21	2	Transect survey (AM)	1.340147965	103.798434	851	*Aplonis panayensis*	Asian glossy starling	Bird	19
07-Oct-21	2	Transect survey (AM)	1.340893032	103.798429	855	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	6

07-Oct-21	2	Transect survey (AM)	1.340893032	103.798429	855	*Psilopogon lineatus*	Lineated barbet	Bird	1
07-Oct-21	2	Transect survey (AM)	1.340893032	103.798429	858	*Draco sumatranus*	Sumatran flying dragon	Reptile	2
07-Oct-21	2	Transect survey (AM)	1.340893032	103.798429	858	*Merops viridis*	Blue-throated bee-eater	Bird	2
07-Oct-21	2	Transect survey (AM)	1.340893032	103.798429	859	*Spilopelia chinensis*	Spotted dove	Bird	2
07-Oct-21	2	Transect survey (AM)	1.341106016	103.798949	900	*Dicaeum cruentatum*	Scarlet-backed flowerpecker	Bird	1
07-Oct-21	2	Transect survey (AM)	1.341106016	103.798949	900	*Pycnonotus jocosus*	Red-whiskered bulbul	Bird	1
07-Oct-21	2	Transect survey (AM)	1.341302991	103.799051	901	*Spilopelia chinensis*	Spotted dove	Bird	1
07-Oct-21	2	Transect survey (AM)	1.341334004	103.798971	901	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	1
07-Oct-21	2	Transect survey (AM)	1.341435006	103.798945	902	*Micropternus brachyurus*	Rufous woodpecker	Bird	1
07-Oct-21	2	Transect survey (AM)	1.34157096	103.798696	905	*Psilopogon lineatus*	Lineated barbet	Bird	2
07-Oct-21	2	Transect survey (AM)	1.341429977	103.798384	909	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
07-Oct-21	2	Transect survey (AM)	1.341429977	103.798384	909	*Oriolus chinensis*	Black-naped oriole	Bird	1
07-Oct-21	2	Transect survey (AM)	1.341429977	103.798384	909	*Eudynamys scolopaceus*	Asian koel	Bird	1
08-Oct-21	2	Transect survey (AM)	1.342266994	103.79605	911	*Xylocopa latipes*	Broad-handed carpenter bee	Aculeata	2
08-Oct-21	2	Transect survey (AM)	1.342072031	103.796042	914	*Orthetrum glaucum*	Common blue skimmer	Odonata	1
08-Oct-21	2	Transect survey (AM)	1.340257013	103.796535	931	*Stenodyneriellus guttulatus*	NA	Aculeata	1
08-Oct-21	2	Transect survey (AM)	1.340257013	103.796535	931	*Nomia strigata*	Pearly-banded bee	Aculeata	1
08-Oct-21	2	Transect survey (AM)	1.340257013	103.796535	931	*Apis cerana*	Eastern honey bee	Aculeata	4
08-Oct-21	2	Transect survey (AM)	1.339833979	103.796649	931	*Apis cerana*	Eastern honey bee	Aculeata	1
08-Oct-21	2	Transect survey (AM)	1.339833979	103.796649	931	*Ropalidia sumatrae*	NA	Aculeata	2
08-Oct-21	2	Transect survey (AM)	1.339833979	103.796649	937	*Ropalidia sumatrae*	NA	Aculeata	1
08-Oct-21	2	Transect survey (AM)	1.338883974	103.796993	941	*Vespa tropica*	Greater banded hornet	Aculeata	1
08-Oct-21	2	Transect survey (AM)	1.338700997	103.79717	943	*Neurothemis fluctuans*	Common parasol	Odonata	1
08-Oct-21	2	Transect survey (AM)	1.338700997	103.79717	943	*Orthetrum testaceum*	Scarlet skimmer	Odonata	1
08-Oct-21	2	Transect survey (AM)	1.338788001	103.797212	945	*Apis cerana*	Eastern honey bee	Aculeata	4
08-Oct-21	2	Transect survey (AM)	1.338788001	103.797212	945	*Orthetrum luzonicum*	Slender blue skimmer	Odonata	1
08-Oct-21	2	Transect survey (AM)	1.339175999	103.797183	946	*Trithemis festiva*	Indigo dropwing	Odonata	1
08-Oct-21	2	Transect survey (AM)	1.339175999	103.797183	946	*Agriocnemis femina*	Variable wisp	Odonata	1
08-Oct-21	2	Transect survey (AM)	1.339235008	103.797163	948	*Apis cerana*	Eastern honey bee	Aculeata	1
08-Oct-21	2	Transect survey (AM)	1.339235008	103.797163	948	*Trithemis festiva*	Indigo dropwing	Odonata	1
08-Oct-21	2	Transect survey (AM)	1.339235008	103.797163	948	*Orthetrum chrysis*	Spine-tufted skimmer	Odonata	1

08-Oct-21	2	Transect survey (AM)	1.339430977	103.797028	951	*Pantala flavescens*	Wandering glider	Odonata	15
08-Oct-21	2	Transect survey (AM)	1.339430977	103.797028	951	*Rhyothemis phyllis*	Yellow-barred flutterer	Odonata	1
08-Oct-21	2	Transect survey (AM)	1.339430977	103.797028	951	*Orthetrum luzonicum*	Slender blue skimmer	Odonata	2
08-Oct-21	2	Transect survey (AM)	1.339430977	103.797028	951	*Orthetrum chrysis*	Spine-tufted skimmer	Odonata	1
08-Oct-21	2	Transect survey (AM)	1.339430977	103.797028	951	*Camacinia gigantea*	Sultan	Odonata	1
08-Oct-21	2	Transect survey (AM)	1.33958797	103.797012	954	*Apis cerana*	Eastern honey bee	Aculeata	1
08-Oct-21	2	Transect survey (AM)	1.339793997	103.797116	956	*Ropalidia stigma*	NA	Aculeata	4
08-Oct-21	2	Transect survey (AM)	1.339793997	103.797116	956	*Neurothemis fluctuans*	Common parasol	Odonata	1
08-Oct-21	2	Transect survey (AM)	1.33790304	103.797938	1019	*Prodasineura notostigma*	Crescent threadtail	Odonata	1
08-Oct-21	2	Transect survey (AM)	1.337345978	103.798456	1032	*Cratilla metallica*	Dark-tipped forest skimmer	Odonata	1
08-Oct-21	2	Transect survey (AM)	1.337730959	103.798588	1036	*Lathrecista asiatica*	Scarlet grenadier	Odonata	1
08-Oct-21	2	Transect survey (AM)	1.339129983	103.798836	1046	*Copera marginipes*	Yellow featherlegs	Odonata	1
08-Oct-21	2	Transect survey (AM)	1.339117996	103.7989	1048	*Orthetrum chrysis*	Spine-tufted skimmer	Odonata	2
08-Oct-21	2	Transect survey (AM)	1.339669023	103.799132	1101	*Ropalidia sumatrae*	NA	Aculeata	1
08-Oct-21	2	Transect survey (AM)	1.339669023	103.799132	1101	*Tetragonula valdezi*	NA	Aculeata	1
08-Oct-21	2	Transect survey (AM)	1.340912981	103.798437	1112	*Neurothemis fluctuans*	Common parasol	Odonata	1
08-Oct-21	2	Transect survey (AM)	1.341155972	103.798987	1115	*Tramea transmarina*	Saddlebag glider	Odonata	1
08-Oct-21	2	Transect survey (AM)	1.341354037	103.799078	1118	*Neurothemis fluctuans*	Common parasol	Odonata	2
08-Oct-21	2	Transect survey (AM)	1.341587976	103.798725	1122	*Ropalidia sumatrae*	NA	Aculeata	1
08-Oct-21	2	Transect survey (AM)	1.341612032	103.798614	1123	*Camacinia gigantea*	Sultan	Odonata	1
08-Oct-21	2	Transect survey (AM)	1.341612032	103.798614	1123	*Neurothemis fluctuans*	Common parasol	Odonata	1
08-Oct-21	2	Transect survey (AM)	1.341422014	103.798331	1126	*Xylocopa flavonigrescens*	NA	Aculeata	1
08-Oct-21	2	Transect survey (AM)	1.341422014	103.798331	1126	*Neurothemis fluctuans*	Common parasol	Odonata	1
11-Oct-21	2	Transect survey (PM)	1.342305969	103.796313	1939	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	2
11-Oct-21	2	Transect survey (PM)	1.342305969	103.796313	1939	*Unidentified Gekkonidae*	Unidentified gecko	Reptile	1
11-Oct-21	2	Transect survey (PM)	1.342305969	103.796313	1939	*Microhyla butleri*	Painted chorus frog	Amphibian	1
11-Oct-21	2	Transect survey (PM)	1.342238998	103.796085	1939	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	6
11-Oct-21	2	Transect survey (PM)	1.342238998	103.796085	1942	*Caprimulgus macrurus*	Large-tailed nightjar	Bird	1
11-Oct-21	2	Transect survey (PM)	1.342026014	103.795994	1944	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
11-Oct-21	2	Transect survey (PM)	1.34146099	103.796358	1953	*Unidentified Gekkonidae*	Unidentified gecko	Reptile	1
11-Oct-21	2	Transect survey (PM)	1.341177011	103.796629	2003	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	6

11-Oct-21	2	Transect survey (PM)	1.341177011	103.796629	2005	*Unidentified Gekkonidae*	Unidentified gecko	Reptile	1
11-Oct-21	2	Transect survey (PM)	1.341205006	103.796453	2021	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	4
11-Oct-21	2	Transect survey (PM)	1.340888003	103.796504	2024	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	1
11-Oct-21	2	Transect survey (PM)	1.340736961	103.796613	2026	*Dendrelaphis pictus*	Painted bronzeback	Reptile	2
11-Oct-21	2	Transect survey (PM)	1.340424987	103.79656	2030	*Fejervarya limnocharis*	Field frog	Amphibian	1
11-Oct-21	2	Transect survey (PM)	1.340296995	103.796526	2030	*Dendrelaphis pictus*	Painted bronzeback	Reptile	1
11-Oct-21	2	Transect survey (PM)	1.340296995	103.796526	2036	*Caprimulgus macrurus*	Large-tailed nightjar	Bird	2
11-Oct-21	2	Transect survey (PM)	1.339599034	103.79657	2039	*Cynopterus brachyotis*	Lesser short-nosed fruit bat	Mammal	1
11-Oct-21	2	Transect survey (PM)	1.338979024	103.796933	2041	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
11-Oct-21	2	Transect survey (PM)	1.338829994	103.797195	2041	*Rallina fasciata*	Red-legged crake	Bird	1
11-Oct-21	2	Transect survey (PM)	1.338829994	103.797195	2041	*Duttaphrynus melanostictus*	Asian toad	Amphibian	1
11-Oct-21	2	Transect survey (PM)	1.339014983	103.797174	2043	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
11-Oct-21	2	Transect survey (PM)	1.339128977	103.797148	2043	*Caprimulgus macrurus*	Large-tailed nightjar	Bird	1
11-Oct-21	2	Transect survey (PM)	1.339128977	103.797148	2046	*Unidentified Gekkonidae*	Unidentified gecko	Reptile	1
11-Oct-21	2	Transect survey (PM)	1.339604985	103.797133	2046	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
11-Oct-21	2	Transect survey (PM)	1.339604985	103.797133	2046	*Bronchocela cristatella*	Green crested lizard	Reptile	1
11-Oct-21	2	Transect survey (PM)	1.339604985	103.797133	2047	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
11-Oct-21	2	Transect survey (PM)	1.339604985	103.797133	2049	*Orthotomus sutorius*	Common tailorbird	Bird	1
11-Oct-21	2	Transect survey (PM)	1.339863986	103.79724	2053	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	20
11-Oct-21	2	Transect survey (PM)	1.339863986	103.79724	2053	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	17
11-Oct-21	2	Transect survey (PM)	1.339768013	103.79724	2055	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
11-Oct-21	2	Transect survey (PM)	1.339768013	103.79724	2055	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	2
11-Oct-21	2	Transect survey (PM)	1.339725014	103.797254	2100	*Limnonectes blythii*	Malayan giant frog	Amphibian	3
11-Oct-21	2	Transect survey (PM)	1.339663994	103.797435	2109	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
11-Oct-21	2	Transect survey (PM)	1.339643039	103.797458	2109	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
11-Oct-21	2	Transect survey (PM)	1.339502977	103.79769	2110	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
11-Oct-21	2	Transect survey (PM)	1.339502977	103.79769	2110	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
11-Oct-21	2	Transect survey (PM)	1.339502977	103.79769	2110	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	7
11-Oct-21	2	Transect survey (PM)	1.339409016	103.797856	2120	*Muscicapa dauurica*	Asian brown flycatcher	Bird	1
11-Oct-21	2	Transect survey (PM)	1.339311032	103.7979	2122	*Bronchocela cristatella*	Green crested lizard	Reptile	1
11-Oct-21	2	Transect survey (PM)	1.339124031	103.798075	2125	*Kaloula pulchra*	Banded bull frog	Amphibian	1

11-Oct-21	2	Transect survey (PM)	1.338954968	103.798117	2126	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
11-Oct-21	2	Transect survey (PM)	1.338923033	103.798155	2126	*Fejervarya limnocharis*	Field frog	Amphibian	1
11-Oct-21	2	Transect survey (PM)	1.338832006	103.798256	2131	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	3
11-Oct-21	2	Transect survey (PM)	1.338173021	103.798023	2138	*Chalcophaps indica*	Common emerald dove	Bird	1
11-Oct-21	2	Transect survey (PM)	1.338173021	103.798023	2138	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	2
11-Oct-21	2	Transect survey (PM)	1.337959031	103.797922	2140	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	3
11-Oct-21	2	Transect survey (PM)	1.337959031	103.797922	2140	*Microhyla butleri*	Painted chorus frog	Amphibian	1
11-Oct-21	2	Transect survey (PM)	1.337901028	103.797969	2141	*Dendrelaphis pictus*	Painted bronzeback	Reptile	1
11-Oct-21	2	Transect survey (PM)	1.337773036	103.798025	2143	*Cynopterus brachyotis*	Lesser short-nosed fruit bat	Mammal	1
11-Oct-21	2	Transect survey (PM)	1.337241037	103.798328	2148	*Cynopterus brachyotis*	Lesser short-nosed fruit bat	Mammal	1
11-Oct-21	2	Transect survey (PM)	1.337415967	103.79851	2148	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	1
11-Oct-21	2	Transect survey (PM)	1.337415967	103.79851	2149	*Dendrelaphis pictus*	Painted bronzeback	Reptile	1
11-Oct-21	2	Transect survey (PM)	1.337615959	103.798703	2152	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	2
11-Oct-21	2	Transect survey (PM)	1.33790304	103.798469	2154	*Duttaphrynus melanostictus*	Asian toad	Amphibian	1
11-Oct-21	2	Transect survey (PM)	1.338521959	103.798607	2158	*Cynopterus brachyotis*	Lesser short-nosed fruit bat	Mammal	1
11-Oct-21	2	Transect survey (PM)	1.338521959	103.798607	2158	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	2
11-Oct-21	2	Transect survey (PM)	1.338521959	103.798607	2158	*Troides helena cerberus*	Common birdwing	Butterfly	1
11-Oct-21	2	Transect survey (PM)	1.338973995	103.798938	2201	*Limnonectes blythii*	Malayan giant frog	Amphibian	2
11-Oct-21	2	Transect survey (PM)	1.339029986	103.798906	2207	*Limnonectes blythii*	Malayan giant frog	Amphibian	7
11-Oct-21	2	Transect survey (PM)	1.339289993	103.798971	2211	*Microhyla heymonsi*	Dark-sided chorus frog	Amphibian	2
11-Oct-21	2	Transect survey (PM)	1.339433994	103.799056	2214	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
11-Oct-21	2	Transect survey (PM)	1.339716967	103.799058	2216	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	1
11-Oct-21	2	Transect survey (PM)	1.339716967	103.799058	2216	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	1
11-Oct-21	2	Transect survey (PM)	1.339772036	103.798743	2220	*Dendrelaphis pictus*	Painted bronzeback	Reptile	2
11-Oct-21	2	Transect survey (PM)	1.339927018	103.798535	2223	*Cynopterus brachyotis*	Lesser short-nosed fruit bat	Mammal	1
11-Oct-21	2	Transect survey (PM)	1.340171015	103.798484	2225	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	1
11-Oct-21	2	Transect survey (PM)	1.340548033	103.798411	2227	*Cynopterus brachyotis*	Lesser short-nosed fruit bat	Mammal	1
11-Oct-21	2	Transect survey (PM)	1.340643	103.798382	2228	*Unidentified Gekkonidae*	Unidentified gecko	Reptile	1
11-Oct-21	2	Transect survey (PM)	1.340643	103.798382	2228	*Duttaphrynus melanostictus*	Asian toad	Amphibian	2
11-Oct-21	2	Transect survey (PM)	1.340777026	103.798392	2230	*Caprimulgus macrurus*	Large-tailed nightjar	Bird	2
11-Oct-21	2	Transect survey (PM)	1.340643	103.798382	2230	*Limnonectes blythii*	Malayan giant frog	Amphibian	1

11-Oct-21	2	Transect survey (PM)	1.34086797	103.798397	2231	*Duttaphrynus melanostictus*	Asian toad	Amphibian	4
11-Oct-21	2	Transect survey (PM)	1.34086797	103.798397	2231	*Microhyla mukhlesuri*	East Asian ornate chorus frog	Amphibian	1
11-Oct-21	2	Transect survey (PM)	1.34086797	103.798397	2231	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
11-Oct-21	2	Transect survey (PM)	1.341068968	103.798704	2231	*Fejervarya limnocharis*	Field frog	Amphibian	1
11-Oct-21	2	Transect survey (PM)	1.341138035	103.798926	2232	*Calotes versicolor*	Changeable lizard	Reptile	1
11-Oct-21	2	Transect survey (PM)	1.341138035	103.798926	2233	*Fejervarya limnocharis*	Field frog	Amphibian	1
11-Oct-21	2	Transect survey (PM)	1.341555035	103.798696	2238	*Dendrelaphis pictus*	Painted bronzeback	Reptile	1
11-Oct-21	2	Transect survey (PM)	1.341506001	103.798545	2240	*Dendrelaphis pictus*	Painted bronzeback	Reptile	2
11-Oct-21	2	Transect survey (PM)	1.341453027	103.798453	2241	*Dendrelaphis pictus*	Painted bronzeback	Reptile	1
11-Oct-21	2	Transect survey (PM)	1.341272984	103.798317	2244	*Paradoxurus musangus*	Sumatran palm civet	Mammal	1
11-Oct-21	2	Transect survey (PM)	1.341272984	103.798317	2244	*Microhyla butleri*	Painted chorus frog	Amphibian	1
11-Oct-21	2	Transect survey (PM)	1.341272984	103.798317	2244	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
13-Oct-21	1	Aquatic point count (PM)	1.339139035	103.798917	2028-2033	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	1
13-Oct-21	1	Aquatic point count (PM)	1.339178011	103.79863	2036-2041	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
13-Oct-21	1	Aquatic point count (PM)	1.339178011	103.79863	2036-2041	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	1
13-Oct-21	1	Aquatic point count (PM)	1.339670029	103.797321	2112-2117	*Limnonectes sp.*	NA	Amphibian	1
13-Oct-21	1	Aquatic point count (PM)	1.339670029	103.797321	2112-2117	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	3
13-Oct-21	1	Aquatic point count (PM)	1.339670029	103.797321	2112-2117	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
13-Oct-21	1	Aquatic point count (PM)	1.339670029	103.797321	2112-2117	*Brachydanio albolineata*	Pearl danio	Fish	25
13-Oct-21	1	Aquatic point count (PM)	1.339670029	103.797321	2112-2117	*Poecilia reticulata*	Guppy	Fish	2
13-Oct-21	1	Aquatic point count (PM)	1.338920016	103.797443	2130-2135	*Brachydanio albolineata*	Pearl danio	Fish	60
13-Oct-21	1	Aquatic point count (PM)	1.338920016	103.797443	2130-2135	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
13-Oct-21	1	Aquatic point count (PM)	1.338920016	103.797443	2130-2135	*Barbodes rhombeus*	Indochinese spotted barb	Fish	2
13-Oct-21	1	Aquatic point count (PM)	1.338321967	103.797546	2140-2145	*Clarias gariepinus*	Sharp-toothed walking catfish	Fish	2
13-Oct-21	1	Aquatic point count (PM)	1.338321967	103.797546	2140-2145	*Barbodes rhombeus*	Indochinese spotted barb	Fish	8
13-Oct-21	1	Aquatic point count (PM)	1.338321967	103.797546	2140-2145	*Brachydanio albolineata*	Pearl danio	Fish	8
13-Oct-21	1	Aquatic point count (PM)	1.338321967	103.797546	2140-2145	*Channa striata*	Common snakehead/aruan	Fish	1
13-Oct-21	1	Aquatic point count (PM)	1.337798014	103.797631	2201-2206	*Brachydanio albolineata*	Pearl danio	Fish	64
13-Oct-21	1	Aquatic point count (PM)	1.337798014	103.797631	2201-2206	*Barbodes rhombeus*	Indochinese spotted barb	Fish	6
13-Oct-21	1	Aquatic point count (PM)	1.336719012	103.79812	2214-2219	*Brachydanio albolineata*	Pearl danio	Fish	80
13-Oct-21	1	Aquatic point count (PM)	1.336719012	103.79812	2214-2219	*Barbodes rhombeus*	Indochinese spotted barb	Fish	6

14-Oct-21	1	Aquatic point count (AM)	1.339139035	103.798917	1252-1257	*Copera marginipes*	Yellow featherlegs	Odonata	1
14-Oct-21	1	Aquatic point count (AM)	1.339178011	103.79863	1300-1305	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
14-Oct-21	1	Aquatic point count (AM)	1.339670029	103.797321	1313-1318	*Poecilia reticulata*	Guppy	Fish	3
14-Oct-21	1	Aquatic point count (AM)	1.339670029	103.797321	1313-1318	*Brachydanio albolineata*	Pearl danio	Fish	16
14-Oct-21	1	Aquatic point count (AM)	1.338920016	103.797443	1328-1333	*Poecilia reticulata*	Guppy	Fish	3
14-Oct-21	1	Aquatic point count (AM)	1.338920016	103.797443	1328-1333	*Brachydanio albolineata*	Pearl danio	Fish	15
14-Oct-21	1	Aquatic point count (AM)	1.338920016	103.797443	1328-1333	*Barbodes rhombeus*	Indochinese spotted barb	Fish	1
14-Oct-21	1	Aquatic point count (AM)	1.338920016	103.797443	1328-1333	*Prodasineura humeralis*	Orange-striped threadtail	Odonata	4
14-Oct-21	1	Aquatic point count (AM)	1.338920016	103.797443	1328-1333	*Archibasis viola*	Violet sprite	Odonata	1
14-Oct-21	1	Aquatic point count (AM)	1.338321967	103.797546	1345-1350	*Poecilia reticulata*	Guppy	Fish	4
14-Oct-21	1	Aquatic point count (AM)	1.338321967	103.797546	1345-1350	*Barbodes rhombeus*	Indochinese spotted barb	Fish	3
14-Oct-21	1	Aquatic point count (AM)	1.338321967	103.797546	1345-1350	*Prodasineura humeralis*	Orange-striped threadtail	Odonata	4
14-Oct-21	1	Aquatic point count (AM)	1.337798014	103.797631	1358-1403	*Barbodes rhombeus*	Indochinese spotted barb	Fish	30
14-Oct-21	1	Aquatic point count (AM)	1.337798014	103.797631	1358-1403	*Poecilia reticulata*	Guppy	Fish	8
14-Oct-21	1	Aquatic point count (AM)	1.337798014	103.797631	1358-1403	*Prodasineura humeralis*	Orange-striped threadtail	Odonata	1
14-Oct-21	1	Aquatic point count (AM)	1.336719012	103.79812	1410-1415	*Poecilia reticulata*	Guppy	Fish	5
14-Oct-21	1	Aquatic point count (AM)	1.336719012	103.79812	1410-1415	*Brachydanio albolineata*	Pearl danio	Fish	41
14-Oct-21	1	Aquatic point count (AM)	1.336719012	103.79812	1410-1415	*Barbodes rhombeus*	Indochinese spotted barb	Fish	11
14-Oct-21	1	Aquatic point count (AM)	1.336719012	103.79812	1410-1415	*Prodasineura humeralis*	Orange-striped threadtail	Odonata	5
14-Oct-21	1	Aquatic point count (AM)	1.336719012	103.79812	1410-1415	*Tyriobapta torrida*	Treehugger	Odonata	6
14-Oct-21	1	Aquatic point count (AM)	1.336719012	103.79812	1410-1415	*Orthetrum chrysis*	Spine-tufted skimmer	Odonata	1
20-Oct-21	1	Transect survey (PM)	1.341947978	103.79309	1958	*Otus lempiji*	Sunda scops owl	Bird	1
20-Oct-21	1	Transect survey (PM)	1.341947978	103.79309	1958	*Calotes versicolor*	Changeable lizard	Reptile	1
20-Oct-21	1	Transect survey (PM)	1.341947978	103.79309	1958	*Duttaphrynus melanostictus*	Asian toad	Amphibian	5
20-Oct-21	1	Transect survey (PM)	1.342172027	103.793558	2002	*Fejervarya sp.*	NA	Amphibian	1
20-Oct-21	1	Transect survey (PM)	1.342172027	103.793558	2002	*Dendrelaphis pictus*	Painted bronzeback	Reptile	1
20-Oct-21	1	Transect survey (PM)	1.342172027	103.793558	2002	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	2
20-Oct-21	1	Transect survey (PM)	1.341953008	103.793881	2008	*Bronchocela cristatella*	Green crested lizard	Reptile	2
20-Oct-21	1	Transect survey (PM)	1.341953008	103.793881	2008	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
20-Oct-21	1	Transect survey (PM)	1.341953008	103.793881	2008	*Microhyla mukhlesuri*	East Asian ornate chorus frog	Amphibian	1
20-Oct-21	1	Transect survey (PM)	1.341771036	103.793834	2011	*Microhyla mukhlesuri*	East Asian ornate chorus frog	Amphibian	1

20-Oct-21	1	Transect survey (PM)	1.341771036	103.793834	2011	*Microhyla heymonsi*	Dark-sided chorus frog	Amphibian	2
20-Oct-21	1	Transect survey (PM)	1.341696018	103.793809	2011	*Duttaphrynus melanostictus*	Asian toad	Amphibian	1
20-Oct-21	1	Transect survey (PM)	1.34149502	103.793689	2014	*Duttaphrynus melanostictus*	Asian toad	Amphibian	2
20-Oct-21	1	Transect survey (PM)	1.34149502	103.793689	2014	*Microhyla mukhlesuri*	East Asian ornate chorus frog	Amphibian	5
20-Oct-21	1	Transect survey (PM)	1.34149502	103.793689	2014	*Dendrelaphis pictus*	Painted bronzeback	Reptile	2
20-Oct-21	1	Transect survey (PM)	1.341346996	103.793779	2012	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	1
20-Oct-21	1	Transect survey (PM)	1.341102999	103.79379	2021	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
20-Oct-21	1	Aquatic point count (PM)	1.341077015	103.793771	2022-2027	*Poecilia reticulata*	Guppy	Fish	60
20-Oct-21	1	Aquatic point count (PM)	1.341077015	103.793771	2022-2027	*Barbodes rhombeus*	Indochinese spotted barb	Fish	5
20-Oct-21	1	Transect survey (PM)	1.340890015	103.793849	2032	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
20-Oct-21	1	Transect survey (PM)	1.340890015	103.793849	2032	*Ahaetulla prasina*	Oriental whip snake	Reptile	1
20-Oct-21	1	Transect survey (PM)	1.340361033	103.794091	2039	*Unidentified Pteropodidae*	Unidentified fruit bat	Mammal	1
20-Oct-21	1	Aquatic point count (PM)	1.340251984	103.794138	2043-2048	*Limnonectes blythii*	Malayan giant frog	Amphibian	5
20-Oct-21	1	Aquatic point count (PM)	1.340251984	103.794138	2043-2048	*Barbodes rhombeus*	Indochinese spotted barb	Fish	2
20-Oct-21	1	Aquatic point count (PM)	1.340251984	103.794138	2043-2048	*Poecilia reticulata*	Guppy	Fish	20
20-Oct-21	1	Transect survey (PM)	1.340176966	103.794169	2050	*Dendrelaphis pictus*	Painted bronzeback	Reptile	1
20-Oct-21	1	Transect survey (PM)	1.340176966	103.794169	2050	*Limnonectes blythii*	Malayan giant frog	Amphibian	3
20-Oct-21	1	Transect survey (PM)	1.34002802	103.794243	2052	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
20-Oct-21	1	Transect survey (PM)	1.34002802	103.794243	2052	*Clarias cf. batrachus*	Common walking catfish	Fish	1
20-Oct-21	1	Transect survey (PM)	1.34002802	103.794243	2052	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
20-Oct-21	1	Transect survey (PM)	1.34002802	103.794243	2052	*Cynopterus brachyotis*	Lesser short-nosed fruit bat	Mammal	2
20-Oct-21	1	Transect survey (PM)	1.339908997	103.794361	2055	*Limnonectes blythii*	Malayan giant frog	Amphibian	2
20-Oct-21	1	Transect survey (PM)	1.339908997	103.794361	2055	*Cynopterus brachyotis*	Lesser short-nosed fruit bat	Mammal	1
20-Oct-21	1	Transect survey (PM)	1.339685032	103.79453	2057	*Duttaphrynus melanostictus*	Asian toad	Amphibian	1
20-Oct-21	1	Transect survey (PM)	1.339685032	103.79453	2057	*Unidentified Pteropodidae*	Unidentified fruit bat	Mammal	1
20-Oct-21	1	Transect survey (PM)	1.339537008	103.794529	2059	*Unidentified Pteropodidae*	Unidentified fruit bat	Mammal	1
20-Oct-21	1	Transect survey (PM)	1.339327963	103.794539	2100	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	1
20-Oct-21	1	Transect survey (PM)	1.339327963	103.794539	2100	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
20-Oct-21	1	Aquatic point count (PM)	1.339327963	103.794539	2100-2105	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
20-Oct-21	1	Aquatic point count (PM)	1.339327963	103.794539	2100-2105	*Barbodes rhombeus*	Indochinese spotted barb	Fish	1
20-Oct-21	1	Aquatic point count (PM)	1.339327963	103.794539	2100-2105	*Poecilia reticulata*	Guppy	Fish	1

20-Oct-21	1	Transect survey (PM)	1.339283036	103.794615	2106	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
20-Oct-21	1	Transect survey (PM)	1.339054964	103.79473	2107	*Cynopterus brachyotis*	Lesser short-nosed fruit bat	Mammal	1
20-Oct-21	1	Transect survey (PM)	1.338937031	103.794822	2108	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	1
20-Oct-21	1	Transect survey (PM)	1.338835023	103.794857	2109	*Caprimulgus macrurus*	Large-tailed nightjar	Bird	1
20-Oct-21	1	Transect survey (PM)	1.338835023	103.794857	2109	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
20-Oct-21	1	Transect survey (PM)	1.338536041	103.795061	2111	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	2
20-Oct-21	1	Transect survey (PM)	1.338536041	103.795061	2111	*Treron vernans*	Pink-necked green pigeon	Bird	1
20-Oct-21	1	Transect survey (PM)	1.338459011	103.795102	2118	*Unidentified Pteropodidae*	Unidentified fruit bat	Mammal	1
20-Oct-21	1	Transect survey (PM)	1.338459011	103.795102	2118	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
20-Oct-21	1	Transect survey (PM)	1.338278968	103.795259	2120	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	2
20-Oct-21	1	Transect survey (PM)	1.338172015	103.795302	2121	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
20-Oct-21	1	Transect survey (PM)	1.33807403	103.795378	2122	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	1
20-Oct-21	1	Aquatic point count (PM)	1.338010998	103.795358	2124-2129	*Poecilia reticulata*	Guppy	Fish	20
20-Oct-21	1	Aquatic point count (PM)	1.338010998	103.795358	2124-2129	*Barbodes rhombeus*	Indochinese spotted barb	Fish	1
20-Oct-21	1	Aquatic point count (PM)	1.338010998	103.795358	2124-2129	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	1
20-Oct-21	1	Transect survey (PM)	1.338072019	103.795421	2132	*Otus lempiji*	Sunda scops owl	Bird	1
20-Oct-21	1	Transect survey (PM)	1.337505989	103.796024	2139	*Unidentified Pteropodidae*	Unidentified fruit bat	Mammal	1
20-Oct-21	1	Transect survey (PM)	1.337505989	103.796024	2139	*Duttaphrynus melanostictus*	Asian toad	Amphibian	1
20-Oct-21	1	Transect survey (PM)	1.33722201	103.796343	2144	*Phylloscopus borealis*	Arctic warbler	Bird	1
21-Oct-21	1	Transect survey (AM)	1.341877989	103.793019	806	*Aplonis panayensis*	Asian glossy starling	Bird	30
21-Oct-21	1	Transect survey (AM)	1.342016961	103.793157	806	*Psittacula alexandri*	Red-breasted parakeet	Bird	1
21-Oct-21	1	Transect survey (AM)	1.34209902	103.793214	806	*Acridotheres javanicus*	Javan myna	Bird	5
21-Oct-21	1	Transect survey (AM)	1.34209902	103.793214	807	*Treron vernans*	Pink-necked green pigeon	Bird	2
21-Oct-21	1	Transect survey (AM)	1.342160963	103.793345	809	*Callosciurus notatus*	Plantain squirrel	Mammal	1
21-Oct-21	1	Transect survey (AM)	1.342160963	103.793345	809	*Treron vernans*	Pink-necked green pigeon	Bird	15
21-Oct-21	1	Transect survey (AM)	1.342127016	103.793491	812	*Psittacula alexandri*	Red-breasted parakeet	Bird	1
21-Oct-21	1	Transect survey (AM)	1.342127016	103.793491	812	*Dicaeum cruentatum*	Scarlet-backed flowerpecker	Bird	1
21-Oct-21	1	Transect survey (AM)	1.342127016	103.793491	812	*Callosciurus notatus*	Plantain squirrel	Mammal	2
21-Oct-21	1	Transect survey (AM)	1.342127016	103.793491	812	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	1
21-Oct-21	1	Transect survey (AM)	1.342127016	103.793491	812	*Pycnonotus zeylanicus*	Straw-headed bulbul	Bird	1
21-Oct-21	1	Transect survey (AM)	1.342127016	103.793491	812	*Lalage nigra*	Pied triller	Bird	1

21-Oct-21	1	Transect survey (AM)	1.342221983	103.793645	813	*Psittacula alexandri*	Red-breasted parakeet	Bird	1
21-Oct-21	1	Transect survey (AM)	1.34217496	103.793721	814	*Callosciurus notatus*	Plantain squirrel	Mammal	1
21-Oct-21	1	Transect survey (AM)	1.34217496	103.793721	814	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	2
21-Oct-21	1	Transect survey (AM)	1.342122993	103.793825	815	*Pycnonotus zeylanicus*	Straw-headed bulbul	Bird	1
21-Oct-21	1	Transect survey (AM)	1.342122993	103.793825	815	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
21-Oct-21	1	Transect survey (AM)	1.34197698	103.793906	816	*Oriolus chinensis*	Black-naped oriole	Bird	1
21-Oct-21	1	Transect survey (AM)	1.34197698	103.793906	816	*Treron vernans*	Pink-necked green pigeon	Bird	3
21-Oct-21	1	Transect survey (AM)	1.341803977	103.793891	817	*Dinopium javanense*	Common flameback	Bird	1
21-Oct-21	1	Transect survey (AM)	1.341715967	103.793875	818	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	1
21-Oct-21	1	Transect survey (AM)	1.341521004	103.793772	819	*Aplonis panayensis*	Asian glossy starling	Bird	10
21-Oct-21	1	Transect survey (AM)	1.341521004	103.793772	819	*Spilopelia chinensis*	Spotted dove	Bird	1
21-Oct-21	1	Transect survey (AM)	1.341521004	103.793772	819	*Gallus gallus*	Red junglefowl	Bird	1
21-Oct-21	1	Transect survey (AM)	1.341521004	103.793772	819	*Loriculus galgulus*	Blue-crowned hanging-parrot	Bird	1
21-Oct-21	1	Transect survey (AM)	1.341521004	103.793772	819	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
21-Oct-21	1	Transect survey (AM)	1.341434	103.793715	820	*Callosciurus notatus*	Plantain squirrel	Mammal	1
21-Oct-21	1	Transect survey (AM)	1.341298968	103.793788	824	*Gallus gallus*	Red junglefowl	Bird	10
21-Oct-21	1	Transect survey (AM)	1.341298968	103.793788	824	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	1
21-Oct-21	1	Transect survey (AM)	1.341118002	103.793857	824	*Cinnyris jugularis*	Olive-backed sunbird	Bird	1
21-Oct-21	1	Transect survey (AM)	1.341118002	103.793857	824	*Psilopogon lineatus*	Lineated barbet	Bird	1
21-Oct-21	1	Transect survey (AM)	1.341118002	103.793857	824	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	1
21-Oct-21	1	Transect survey (AM)	1.341118002	103.793857	824	*Oriolus chinensis*	Black-naped oriole	Bird	1
21-Oct-21	1	Transect survey (AM)	1.341118002	103.793857	826	*Acridotheres javanicus*	Javan myna	Bird	10
21-Oct-21	1	Transect survey (AM)	1.341118002	103.793857	826	*Aplonis panayensis*	Asian glossy starling	Bird	10
21-Oct-21	1	Aquatic point count (AM)	1.341077015	103.793771	829-834	*Barbodes rhombeus*	Indochinese spotted barb	Fish	1
21-Oct-21	1	Aquatic point count (AM)	1.341077015	103.793771	829-834	*Poecilia reticulata*	Guppy	Fish	14
21-Oct-21	1	Aquatic point count (AM)	1.341077015	103.793771	829-834	*Dicaeum cruentatum*	Scarlet-backed flowerpecker	Bird	1
21-Oct-21	1	Aquatic point count (AM)	1.341077015	103.793771	829-834	*Spilopelia chinensis*	Spotted dove	Bird	1
21-Oct-21	1	Aquatic point count (AM)	1.341077015	103.793771	829-834	*Callosciurus notatus*	Plantain squirrel	Mammal	1
21-Oct-21	1	Aquatic point count (AM)	1.341077015	103.793771	829-834	*Treron vernans*	Pink-necked green pigeon	Bird	5
21-Oct-21	1	Aquatic point count (AM)	1.341077015	103.793771	829-834	*Aplonis panayensis*	Asian glossy starling	Bird	10
21-Oct-21	1	Transect survey (AM)	1.340850033	103.793987	838	*Draco sumatranus*	Sumatran flying dragon	Reptile	2

21-Oct-21	1	Transect survey (AM)	1.340850033	103.793987	838	*Oriolus chinensis*	Black-naped oriole	Bird	1
21-Oct-21	1	Transect survey (AM)	1.340850033	103.793987	838	*Acridotheres javanicus*	Javan myna	Bird	1
21-Oct-21	1	Transect survey (AM)	1.340850033	103.793987	838	*Acridotheres javanicus*	Javan myna	Bird	10
21-Oct-21	1	Transect survey (AM)	1.340850033	103.793987	838	*Mixornis gularis*	Pin-striped tit-babbler	Bird	3
21-Oct-21	1	Transect survey (AM)	1.340850033	103.793987	838	*Psittacula alexandri*	Red-breasted parakeet	Bird	1
21-Oct-21	1	Transect survey (AM)	1.340850033	103.793987	838	*Phylloscopus borealis*	Arctic warbler	Bird	1
21-Oct-21	1	Transect survey (AM)	1.340850033	103.793987	838	*Aerodramus sp.*	Swiftlet sp.	Bird	10
21-Oct-21	1	Transect survey (AM)	1.340760011	103.793982	840	*Callosciurus notatus*	Plantain squirrel	Mammal	2
21-Oct-21	1	Transect survey (AM)	1.340587009	103.794069	841	*Psilopogon haemacephalus*	Coppersmith barbet	Bird	1
21-Oct-21	1	Transect survey (AM)	1.340358015	103.794207	842	*Oriolus chinensis*	Black-naped oriole	Bird	1
21-Oct-21	1	Transect survey (AM)	1.340358015	103.794207	842	*Pericrocotus divaricatus*	Ashy minivet	Bird	3
21-Oct-21	1	Transect survey (AM)	1.339933975	103.794412	843	*Psittacula krameri*	Rose-ringed parakeet	Bird	3
21-Oct-21	1	Transect survey (AM)	1.339933975	103.794412	845	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	1
21-Oct-21	1	Transect survey (AM)	1.339933975	103.794412	851	*Psittacula krameri*	Rose-ringed parakeet	Bird	1
21-Oct-21	1	Transect survey (AM)	1.339630969	103.794625	854	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
21-Oct-21	1	Aquatic point count (AM)	1.340251984	103.794138	857-902	*Brachydanio albolineata*	Pearl danio	Fish	2
21-Oct-21	1	Aquatic point count (AM)	1.340251984	103.794138	857-902	*Barbodes rhombeus*	Indochinese spotted barb	Fish	4
21-Oct-21	1	Aquatic point count (AM)	1.340251984	103.794138	857-902	*Oriolus chinensis*	Black-naped oriole	Bird	1
21-Oct-21	1	Aquatic point count (AM)	1.340251984	103.794138	857-902	*Aethopyga siparaja*	Crimson sunbird	Bird	1
21-Oct-21	1	Aquatic point count (AM)	1.340251984	103.794138	857-902	*Geopelia striata*	Zebra dove	Bird	1
21-Oct-21	1	Aquatic point count (AM)	1.340251984	103.794138	857-902	*Aplonis panayensis*	Asian glossy starling	Bird	20
21-Oct-21	1	Transect survey (AM)	1.339239031	103.794648	907	*Callosciurus notatus*	Plantain squirrel	Mammal	1
21-Oct-21	1	Transect survey (AM)	1.338977013	103.794857	908	*Gracula religiosa*	Common hill myna	Bird	1
21-Oct-21	1	Aquatic point count (AM)	1.339327963	103.794539	913-918	*Channa striata*	Common snakehead/aruan	Fish	1
21-Oct-21	1	Aquatic point count (AM)	1.339327963	103.794539	913-918	*Barbodes rhombeus*	Indochinese spotted barb	Fish	3
21-Oct-21	1	Aquatic point count (AM)	1.339327963	103.794539	913-918	*Poecilia reticulata*	Guppy	Fish	12
21-Oct-21	1	Aquatic point count (AM)	1.339327963	103.794539	913-918	*Brachydanio albolineata*	Pearl danio	Fish	2
21-Oct-21	1	Aquatic point count (AM)	1.339327963	103.794539	913-918	*Psittacula alexandri*	Red-breasted parakeet	Bird	1
21-Oct-21	1	Aquatic point count (AM)	1.339327963	103.794539	913-918	*Psilopogon lineatus*	Lineated barbet	Bird	1
21-Oct-21	1	Aquatic point count (AM)	1.339327963	103.794539	913-918	*Eurystomus orientalis*	Oriental dollarbird	Bird	1
21-Oct-21	1	Aquatic point count (AM)	1.339327963	103.794539	913-918	*Gracula religiosa*	Common hill myna	Bird	1

21-Oct-21	1	Aquatic point count (AM)	1.339327963	103.794539	913-918	*Pycnonotus zeylanicus*	Straw-headed bulbul	Bird	1
21-Oct-21	1	Aquatic point count (AM)	1.339327963	103.794539	913-918	*Oriolus chinensis*	Black-naped oriole	Bird	2
21-Oct-21	1	Aquatic point count (AM)	1.339327963	103.794539	913-918	*Acridotheres javanicus*	Javan myna	Bird	5
21-Oct-21	1	Transect survey (AM)	1.338419029	103.795172	925	*Cacatua sp.*	Cockatoo sp.	Bird	1
21-Oct-21	1	Transect survey (AM)	1.338419029	103.795172	925	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	1
21-Oct-21	1	Aquatic point count (AM)	1.338536041	103.795027	929-934	*Poecilia reticulata*	Guppy	Fish	1
21-Oct-21	1	Aquatic point count (AM)	1.338536041	103.795027	929-934	*Psittacula alexandri*	Red-breasted parakeet	Bird	3
21-Oct-21	1	Aquatic point count (AM)	1.338536041	103.795027	929-934	*Phylloscopus borealis*	Arctic warbler	Bird	1
21-Oct-21	1	Aquatic point count (AM)	1.338536041	103.795027	929-934	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	1
21-Oct-21	1	Transect survey (AM)	1.33805098	103.79542	937	*Callosciurus notatus*	Plantain squirrel	Mammal	1
21-Oct-21	1	Transect survey (AM)	1.33805098	103.79542	940	*Psilopogon lineatus*	Lineated barbet	Bird	1
21-Oct-21	1	Transect survey (AM)	1.337917037	103.795735	943	*Gallus gallus*	Red junglefowl	Bird	1
21-Oct-21	1	Transect survey (AM)	1.337295016	103.796385	946	*Dinopium javanense*	Common flameback	Bird	1
21-Oct-21	1	Transect survey (AM)	1.337295016	103.796385	946	*Corvus splendens*	House crow	Bird	1
28-Oct-21	2	Aquatic point count (PM)	1.339139035	103.798917	2005-2010	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
28-Oct-21	2	Aquatic point count (PM)	1.339670029	103.797321	2035-2040	*Brachydanio albolineata*	Pearl danio	Fish	TMTC
28-Oct-21	2	Aquatic point count (PM)	1.339670029	103.797321	2035-2040	*Limnonectes blythii*	Malayan giant frog	Amphibian	2
28-Oct-21	2	Aquatic point count (PM)	1.338920016	103.797443	2058-2103	*Brachydanio albolineata*	Pearl danio	Fish	20
28-Oct-21	2	Aquatic point count (PM)	1.338920016	103.797443	2058-2103	*Poecilia reticulata*	Guppy	Fish	10
28-Oct-21	2	Aquatic point count (PM)	1.338920016	103.797443	2058-2103	*Barbodes rhombeus*	Indochinese spotted barb	Fish	2
28-Oct-21	2	Aquatic point count (PM)	1.338920016	103.797443	2058-2103	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
28-Oct-21	2	Aquatic point count (PM)	1.338915993	103.797408	2111	*Barbodes rhombeus*	Indochinese spotted barb	Fish	3
28-Oct-21	2	Aquatic point count (PM)	1.338686999	103.797488	2116	*Clarias cf. batrachus*	Common walking catfish	Fish	1
28-Oct-21	2	Aquatic point count (PM)	1.338321967	103.797546	2120-2125	*Clarias cf. batrachus*	Common walking catfish	Fish	1
28-Oct-21	2	Aquatic point count (PM)	1.338321967	103.797546	2120-2125	*Barbodes rhombeus*	Indochinese spotted barb	Fish	3
28-Oct-21	2	Aquatic point count (PM)	1.338321967	103.797546	2120-2125	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
28-Oct-21	2	Aquatic point count (PM)	1.338321967	103.797546	2120-2125	*Microhyla heymonsi*	Dark-sided chorus frog	Amphibian	3
28-Oct-21	2	Aquatic point count (PM)	1.338321967	103.797546	2120-2125	*Brachydanio albolineata*	Pearl danio	Fish	TMTC
28-Oct-21	2	Aquatic point count (PM)	1.338321967	103.797546	2120-2125	*Poecilia reticulata*	Guppy	Fish	5
28-Oct-21	2	Aquatic point count (PM)	1.338321967	103.797546	2120-2125	*Limnonectes blythii*	Malayan giant frog	Amphibian	2
28-Oct-21	2	Aquatic point count (PM)	1.337798014	103.797631	2140-2145	*Barbodes rhombeus*	Indochinese spotted barb	Fish	3

28-Oct-21	2	Aquatic point count (PM)	1.337798014	103.797631	2140-2145	*Poecilia reticulata*	Guppy	Fish	20
28-Oct-21	2	Aquatic point count (PM)	1.337798014	103.797631	2140-2145	*Brachydanio albolineata*	Pearl danio	Fish	25
28-Oct-21	2	Aquatic point count (PM)	1.337798014	103.797631	2140-2145	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
28-Oct-21	2	Aquatic point count (PM)	1.337798014	103.797631	2140-2145	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	2
28-Oct-21	2	Aquatic point count (PM)	1.336719012	103.79812	2155-2200	*Poecilia reticulata*	Guppy	Fish	15
28-Oct-21	2	Aquatic point count (PM)	1.336719012	103.79812	2155-2200	*Barbodes rhombeus*	Indochinese spotted barb	Fish	3
28-Oct-21	2	Aquatic point count (PM)	1.336719012	103.79812	2155-2200	*Brachydanio albolineata*	Pearl danio	Fish	TMTC
28-Oct-21	2	Aquatic point count (PM)	1.336719012	103.79812	2155-2200	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
29-Oct-21	2	Aquatic point count (AM)	1.336719012	103.79812	908	*Prodasineura humeralis*	Orange-striped threadtail	Odonata	5
29-Oct-21	2	Aquatic point count (AM)	1.336719012	103.79812	908	*Brachydanio albolineata*	Pearl danio	Fish	17
29-Oct-21	2	Aquatic point count (AM)	1.336719012	103.79812	908	*Poecilia reticulata*	Guppy	Fish	9
29-Oct-21	2	Aquatic point count (AM)	1.336719012	103.79812	908	*Tyriobapta torrida*	Treehugger	Odonata	4
29-Oct-21	2	Aquatic point count (AM)	1.336719012	103.79812	908	*Barbodes rhombeus*	Indochinese spotted barb	Fish	2
29-Oct-21	2	Aquatic point count (AM)	1.337798014	103.797631	915	*Barbodes rhombeus*	Indochinese spotted barb	Fish	17
29-Oct-21	2	Aquatic point count (AM)	1.337798014	103.797631	915	*Poecilia reticulata*	Guppy	Fish	4
29-Oct-21	2	Aquatic point count (AM)	1.338321967	103.797546	933	*Barbodes rhombeus*	Indochinese spotted barb	Fish	23
29-Oct-21	2	Aquatic point count (AM)	1.338321967	103.797546	933	*Brachydanio albolineata*	Pearl danio	Fish	5
29-Oct-21	2	Aquatic point count (AM)	1.338321967	103.797546	933	*Prodasineura humeralis*	Orange-striped threadtail	Odonata	2
29-Oct-21	2	Aquatic point count (AM)	1.338321967	103.797546	933	*Poecilia reticulata*	Guppy	Fish	2
29-Oct-21	2	Aquatic point count (AM)	1.338321967	103.797546	933	*Poecilia reticulata*	Guppy	Fish	1
29-Oct-21	2	Aquatic point count (AM)	1.338920016	103.797443	946	*Poecilia reticulata*	Guppy	Fish	1
29-Oct-21	2	Aquatic point count (AM)	1.338920016	103.797443	946	*Poecilia reticulata*	Guppy	Fish	8
29-Oct-21	2	Aquatic point count (AM)	1.338920016	103.797443	946	*Barbodes rhombeus*	Indochinese spotted barb	Fish	5
29-Oct-21	2	Aquatic point count (AM)	1.338920016	103.797443	946	*Brachydanio albolineata*	Pearl danio	Fish	8
29-Oct-21	2	Aquatic point count (AM)	1.339670029	103.797321	1003	*Unidentified Clariidae*	#N/A	Fish	1
29-Oct-21	2	Aquatic point count (AM)	1.339670029	103.797321	1003	*Brachydanio albolineata*	Pearl danio	Fish	5
29-Oct-21	2	Aquatic point count (AM)	1.339670029	103.797321	1003	*Barbodes rhombeus*	Indochinese spotted barb	Fish	5
29-Oct-21	2	Aquatic point count (AM)	1.339178011	103.79863	1017	*Orthetrum chrysis*	Spine-tufted skimmer	Odonata	1
06-Oct-21		Others	1.340920022	103.796469	-	-	#N/A	#N/A	1
09-Sep-21		Others	1.339312959	103.798769	1220	*Arhopala sp.*	NA	Butterfly	1
16-Sep-21		Others	1.339283	103.798642	1000	*Arhopala amphimuta amphi*	NA	Butterfly	1

14-Sep-21		Others	1.340637971	103.798837	1220	*Galeopterus variegatus*	Sunda colugo	Mammal	1
14-Sep-21		Others	1.339717973	103.798686	1024	*Macaca fascicularis*	Long-tailed macaque	Mammal	1
14-Sep-21		Others	1.340047969	103.799081	1200	*Pycnonotus plumosus*	Olive-winged bulbul	Bird	1
16-Sep-21		Others	1.339088	103.799234	1230	*Tanaecia iapis puseda*	Horsfield's baron	Butterfly	1
16-Sep-21		Others	1.338581	103.799267	1110	*Tanaecia pelea pelea*	Malay viscount	Butterfly	1
17-Nov-21	2	Transect survey (AM)	1.337120002	103.796343	813	*Pycnonotus zeylanicus*	Straw-headed bulbul	Bird	2
17-Nov-21	2	Transect survey (AM)	1.337120002	103.796343	813	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	1
17-Nov-21	2	Transect survey (AM)	1.337120002	103.796343	813	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
17-Nov-21	2	Transect survey (AM)	1.337120002	103.796343	813	*Psilopogon lineatus*	Lineated barbet	Bird	1
17-Nov-21	2	Transect survey (AM)	1.337120002	103.796343	813	*Anthreptes malacensis*	Brown-throated sunbird	Bird	1
17-Nov-21	2	Transect survey (AM)	1.337120002	103.796343	813	*Psittacula sp.*	Parakeet sp.	Bird	1
17-Nov-21	2	Transect survey (AM)	1.337120002	103.796343	813	*Eudynamys scolopaceus*	Asian koel	Bird	1
17-Nov-21	2	Transect survey (AM)	1.337314965	103.79623	815	*Callosciurus notatus*	Plantain squirrel	Mammal	1
17-Nov-21	2	Transect survey (AM)	1.337324018	103.79621	815	*Mixornis gularis*	Pin-striped tit-babbler	Bird	1
17-Nov-21	2	Transect survey (AM)	1.337324018	103.79621	815	*Dicaeum cruentatum*	Scarlet-backed flowerpecker	Bird	1
17-Nov-21	2	Transect survey (AM)	1.337324018	103.79621	815	*Acridotheres javanicus*	Javan myna	Bird	1
17-Nov-21	2	Transect survey (AM)	1.337405993	103.796243	817	*Picus vittatus*	Laced woodpecker	Bird	2
17-Nov-21	2	Transect survey (AM)	1.337405993	103.796243	817	*Cacatua goffiniana*	Tanimbar corella	Bird	4
17-Nov-21	2	Transect survey (AM)	1.337405993	103.796243	817	*Trichoglossus haematodus*	Coconut lorikeet	Bird	1
17-Nov-21	2	Transect survey (AM)	1.337405993	103.796243	817	*Anthracoceros albirostris*	Oriental pied hornbill	Bird	1
17-Nov-21	2	Transect survey (AM)	1.337471036	103.796138	819	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	1
17-Nov-21	2	Transect survey (AM)	1.337471036	103.796138	819	*Spilopelia chinensis*	Spotted dove	Bird	1
17-Nov-21	2	Transect survey (AM)	1.337500038	103.796083	820	*Callosciurus notatus*	Plantain squirrel	Mammal	1
17-Nov-21	2	Transect survey (AM)	1.337514035	103.79602	821	*Callosciurus notatus*	Plantain squirrel	Mammal	1
17-Nov-21	2	Transect survey (AM)	1.337599028	103.796005	822	*Treron vernans*	Pink-necked green pigeon	Bird	1
17-Nov-21	2	Transect survey (AM)	1.337686032	103.795965	823	*Gallus gallus*	Red junglefowl	Bird	2
17-Nov-21	2	Transect survey (AM)	1.337788962	103.795906	823	*Callosciurus notatus*	Plantain squirrel	Mammal	1
17-Nov-21	2	Transect survey (AM)	1.337788962	103.795906	823	*Eurystomus orientalis*	Oriental dollarbird	Bird	1
17-Nov-21	2	Transect survey (AM)	1.337788962	103.795906	823	*Corvus macrorhynchos*	Large-billed crow	Bird	2
17-Nov-21	2	Transect survey (AM)	1.337856017	103.79578	825	*Corvus macrorhynchos*	Large-billed crow	Bird	1
17-Nov-21	2	Transect survey (AM)	1.337947967	103.795609	826	*Anthracoceros albirostris*	Oriental pied hornbill	Bird	2

17-Nov-21	2	Transect survey (AM)	1.337925	103.795607	827	*Pycnonotus plumosus*	Olive-winged bulbul	Bird	1
17-Nov-21	2	Transect survey (AM)	1.337925	103.795607	827	*Callosciurus notatus*	Plantain squirrel	Mammal	1
17-Nov-21	2	Transect survey (AM)	1.33805098	103.795537	828	*Psittacula sp.*	Parakeet sp.	Bird	3
17-Nov-21	2	Transect survey (AM)	1.33805098	103.795537	828	*Treron vernans*	Pink-necked green pigeon	Bird	1
17-Nov-21	2	Transect survey (AM)	1.338121975	103.795479	829	*Callosciurus notatus*	Plantain squirrel	Mammal	1
17-Nov-21	2	Transect survey (AM)	1.33807403	103.795465	829	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	2
17-Nov-21	2	Transect survey (AM)	1.338277962	103.795244	832	*Cacatua goffiniana*	Tanimbar corella	Bird	2
17-Nov-21	2	Transect survey (AM)	1.338310987	103.795236	832	*Acridotheres javanicus*	Javan myna	Bird	5
17-Nov-21	2	Transect survey (AM)	1.338343006	103.795222	834	*Psittacula alexandri*	Red-breasted parakeet	Bird	1
17-Nov-21	2	Transect survey (AM)	1.338348035	103.795221	834	*Pycnonotus zeylanicus*	Straw-headed bulbul	Bird	1
17-Nov-21	2	Transect survey (AM)	1.338348035	103.795221	834	*Psilopogon lineatus*	Lineated barbet	Bird	1
17-Nov-21	2	Transect survey (AM)	1.338438978	103.795133	835	*Acridotheres javanicus*	Javan myna	Bird	1
17-Nov-21	2	Transect survey (AM)	1.338646011	103.794988	838	*Oriolus chinensis*	Black-naped oriole	Bird	2
17-Nov-21	2	Transect survey (AM)	1.338650035	103.795005	839	*Aerodramus sp.*	Swiftlet sp.	Bird	5
17-Nov-21	2	Transect survey (AM)	1.338706026	103.794955	839	*Callosciurus notatus*	Plantain squirrel	Mammal	1
17-Nov-21	2	Transect survey (AM)	1.338706026	103.794955	839	*Aplonis panayensis*	Asian glossy starling	Bird	1
17-Nov-21	2	Transect survey (AM)	1.338811973	103.794878	840	*Pycnonotus plumosus*	Olive-winged bulbul	Bird	1
17-Nov-21	2	Transect survey (AM)	1.338879028	103.79483	841	*Treron vernans*	Pink-necked green pigeon	Bird	1
17-Nov-21	2	Transect survey (AM)	1.338950023	103.794816	841	*Aplonis panayensis*	Asian glossy starling	Bird	2
17-Nov-21	2	Transect survey (AM)	1.338928984	103.794809	842	*Acridotheres javanicus*	Javan myna	Bird	1
17-Nov-21	2	Transect survey (AM)	1.338928984	103.794809	842	*Oriolus chinensis*	Black-naped oriole	Bird	1
17-Nov-21	2	Transect survey (AM)	1.339223022	103.794648	844	*Psilopogon lineatus*	Lineated barbet	Bird	2
17-Nov-21	2	Transect survey (AM)	1.339223022	103.794648	844	*Treron vernans*	Pink-necked green pigeon	Bird	1
17-Nov-21	2	Transect survey (AM)	1.339223022	103.794648	844	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
17-Nov-21	2	Transect survey (AM)	1.339339027	103.794669	845	*Spilopelia chinensis*	Spotted dove	Bird	1
17-Nov-21	2	Transect survey (AM)	1.339572966	103.794624	848	*Callosciurus notatus*	Plantain squirrel	Mammal	1
17-Nov-21	2	Transect survey (AM)	1.339572966	103.794624	848	*Psilopogon lineatus*	Lineated barbet	Bird	1
17-Nov-21	2	Transect survey (AM)	1.339619989	103.79463	850	*Oriolus chinensis*	Black-naped oriole	Bird	1
17-Nov-21	2	Transect survey (AM)	1.339619989	103.79463	850	*Dicaeum cruentatum*	Scarlet-backed flowerpecker	Bird	1
17-Nov-21	2	Transect survey (AM)	1.339619989	103.79463	850	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	1
17-Nov-21	2	Transect survey (AM)	1.339619989	103.79463	850	*Treron vernans*	Pink-necked green pigeon	Bird	1

17-Nov-21	2	Transect survey (AM)	1.339821992	103.794509	851	*Orthotomus sp.*	Tailorbird sp.	Bird	1
17-Nov-21	2	Transect survey (AM)	1.339999018	103.794306	853	*Psittacula sp.*	Parakeet sp.	Bird	4
17-Nov-21	2	Transect survey (AM)	1.340868976	103.793936	859	*Oriolus chinensis*	Black-naped oriole	Bird	1
17-Nov-21	2	Transect survey (AM)	1.340868976	103.793936	859	*Acridotheres javanicus*	Javan myna	Bird	3
17-Nov-21	2	Transect survey (AM)	1.340882974	103.793914	900	*Aplonis panayensis*	Asian glossy starling	Bird	2
17-Nov-21	2	Transect survey (AM)	1.340882974	103.793914	900	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
17-Nov-21	2	Transect survey (AM)	1.341500971	103.793733	904	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	1
17-Nov-21	2	Transect survey (AM)	1.341500971	103.793733	904	*Columba livia*	Rock dove	Bird	1
17-Nov-21	2	Transect survey (AM)	1.341500971	103.793733	904	*Gallus gallus*	Red junglefowl	Bird	1
17-Nov-21	2	Transect survey (AM)	1.341500971	103.793733	904	*Spilopelia chinensis*	Spotted dove	Bird	1
17-Nov-21	2	Transect survey (AM)	1.341739018	103.793866	907	*Centropus sinensis*	Greater coucal	Bird	1
17-Nov-21	2	Transect survey (AM)	1.341757961	103.793875	908	*Duttaphrynus melanostictus*	Asian toad	Amphibian	20
17-Nov-21	2	Transect survey (AM)	1.341790985	103.79386	908	*Copsychus saularis*	Oriental magpie-robin	Bird	1
17-Nov-21	2	Transect survey (AM)	1.342073958	103.793815	910	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	1
17-Nov-21	2	Transect survey (AM)	1.342197005	103.793725	911	*Caprimulgus macrurus*	Large-tailed nightjar	Bird	1
17-Nov-21	2	Transect survey (AM)	1.342197005	103.793725	911	*Phylloscopus borealis*	Arctic warbler	Bird	1
17-Nov-21	2	Transect survey (AM)	1.342199016	103.793658	912	*Mixornis gularis*	Pin-striped tit-babbler	Bird	1
17-Nov-21	2	Transect survey (AM)	1.342194993	103.793635	914	*Merops sp.*	Bee-eater sp.	Bird	1
17-Nov-21	2	Transect survey (AM)	1.342176972	103.793577	915	*Aplonis panayensis*	Asian glossy starling	Bird	3
17-Nov-21	2	Transect survey (AM)	1.342177978	103.793485	916	*Geopelia striata*	Zebra dove	Bird	1
17-Nov-21	2	Transect survey (AM)	1.342356009	103.793621	919	*Psilopogon lineatus*	Lineated barbet	Bird	2
17-Nov-21	2	Transect survey (AM)	1.342356009	103.793621	919	*Aerodramus sp.*	Swiftlet sp.	Bird	20
17-Nov-21	2	Transect survey (AM)	1.342352992	103.79364	920	*Pericrocotus divaricatus*	Ashy minivet	Bird	1
17-Nov-21	2	Transect survey (AM)	1.340861013	103.793836	938	*Flos apidanus saturatus*	Plain plushblue	Butterfly	1
17-Nov-21	2	Transect survey (AM)	1.339783017	103.794524	950	*Varanus nebulosus*	Clouded monitor	Reptile	1
17-Nov-21	2	Transect survey (AM)	1.338546015	103.795113	1001	*Hierococcyx nisicolor*	Hodgson's hawk cuckoo	Bird	1
17-Nov-21	2	Aquatic point count (AM)	1.341077015	103.793771	927-932	*Poecilia reticulata*	Guppy	Fish	28
17-Nov-21	2	Aquatic point count (AM)	1.341077015	103.793771	927-932	*Agriocnemis femina*	Variable wisp	Odonata	1
17-Nov-21	2	Aquatic point count (AM)	1.341077015	103.793771	927-932	*Barbodes rhombeus*	Indochinese spotted barb	Fish	11
17-Nov-21	2	Aquatic point count (AM)	1.340251984	103.794138	942-944	*Poecilia reticulata*	Guppy	Fish	27
17-Nov-21	2	Aquatic point count (AM)	1.340251984	103.794138	942-944	*Barbodes rhombeus*	Indochinese spotted barb	Fish	10

17-Nov-21	2	Aquatic point count (AM)	1.340251984	103.794138	942-944	*Pseudagrion microcephalum*	Blue sprite	Odonata	2
17-Nov-21	2	Aquatic point count (AM)	1.339327963	103.794539	952-957	*Poecilia reticulata*	Guppy	Fish	20
17-Nov-21	2	Aquatic point count (AM)	1.339327963	103.794539	952-957	*Barbodes rhombeus*	Indochinese spotted barb	Fish	7
17-Nov-21	2	Aquatic point count (AM)	1.338536041	103.795027	1003-1008	*Pseudagrion microcephalum*	Blue sprite	Odonata	2
17-Nov-21	2	Aquatic point count (AM)	1.338536041	103.795027	1003-1008	*Poecilia reticulata*	Guppy	Fish	34
17-Nov-21	2	Aquatic point count (AM)	1.338536041	103.795027	1003-1008	*Barbodes rhombeus*	Indochinese spotted barb	Fish	7
17-Nov-21	2	Aquatic point count (AM)	1.338010998	103.795358	1013-1018	*Poecilia reticulata*	Guppy	Fish	32
17-Nov-21	2	Aquatic point count (AM)	1.338010998	103.795358	1013-1018	*Pseudagrion microcephalum*	Blue sprite	Odonata	1
17-Nov-21	2	Aquatic point count (AM)	1.338010998	103.795358	1013-1018	*Barbodes rhombeus*	Indochinese spotted barb	Fish	16
24-Nov-21	2	Aquatic point count (PM)	1.341077015	103.793771	1945-1950	*Barbodes rhombeus*	Indochinese spotted barb	Fish	6
24-Nov-21	2	Aquatic point count (PM)	1.341077015	103.793771	1945-1950	*Poecilia reticulata*	Guppy	Fish	14
24-Nov-21	2	Aquatic point count (PM)	1.340251984	103.794138	1952-1957	*Barbodes rhombeus*	Indochinese spotted barb	Fish	7
24-Nov-21	2	Aquatic point count (PM)	1.340251984	103.794138	1952-1957	*Poecilia reticulata*	Guppy	Fish	41
24-Nov-21	2	Aquatic point count (PM)	1.340251984	103.794138	1952-1957	*Brachydanio albolineata*	Pearl danio	Fish	12
24-Nov-21	2	Aquatic point count (PM)	1.339327963	103.794539	2007-2012	*Brachydanio albolineata*	Pearl danio	Fish	16
24-Nov-21	2	Aquatic point count (PM)	1.339327963	103.794539	2007-2012	*Poecilia reticulata*	Guppy	Fish	36
24-Nov-21	2	Aquatic point count (PM)	1.339327963	103.794539	2007-2012	*Barbodes rhombeus*	Indochinese spotted barb	Fish	1
24-Nov-21	2	Aquatic point count (PM)	1.338536041	103.795027	2015-2020	*Brachydanio albolineata*	Pearl danio	Fish	30
24-Nov-21	2	Aquatic point count (PM)	1.338536041	103.795027	2015-2020	*Barbodes rhombeus*	Indochinese spotted barb	Fish	1
24-Nov-21	2	Aquatic point count (PM)	1.338536041	103.795027	2015-2020	*Clarias gariepinus*	Sharp-toothed walking catfish	Fish	1
24-Nov-21	2	Aquatic point count (PM)	1.338536041	103.795027	2015-2020	*Osteochilus vittatus*	Hasselt's bony-lipped barb	Fish	2
24-Nov-21	2	Aquatic point count (PM)	1.338010998	103.795358	2023-2028	*Osteochilus vittatus*	Hasselt's bony-lipped barb	Fish	1
24-Nov-21	2	Aquatic point count (PM)	1.338010998	103.795358	2023-2028	*Barbodes rhombeus*	Indochinese spotted barb	Fish	3
24-Nov-21	2	Aquatic point count (PM)	1.338010998	103.795358	2023-2028	*Clarias gariepinus*	Sharp-toothed walking catfish	Fish	1
24-Nov-21	2	Aquatic point count (PM)	1.338010998	103.795358	2023-2028	*Poecilia reticulata*	Guppy	Fish	12
24-Nov-21	2	Aquatic point count (PM)	1.338010998	103.795358	2023-2028	*Brachydanio albolineata*	Pearl danio	Fish	7
24-Nov-21	2	Transect survey (PM)	1.339327963	103.794539	2010	*Otus lempiji*	Sunda scops owl	Bird	1
24-Nov-21	2	Transect survey (PM)	1.33716	103.79634	2038	*Lewinia striata*	Slaty-breasted rail	Bird	1
18-Nov-21	2	Transect survey (PM)	1.337688966	103.796011	2003	*Fejervarya limnocharis*	Field frog	Amphibian	1
18-Nov-21	2	Transect survey (PM)	1.337945033	103.795706	2007	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	1
18-Nov-21	2	Transect survey (PM)	1.338105965	103.795393	2011	*Kaloula pulchra*	Banded bull frog	Amphibian	1

18-Nov-21	2	Transect survey (PM)	1.338105965	103.795393	2011	*Unidentified Pteropodidae*	Unidentified fruit bat	Mammal	1
18-Nov-21	2	Transect survey (PM)	1.338105965	103.795393	2013	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	2
18-Nov-21	2	Transect survey (PM)	1.338453982	103.795154	2023	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
18-Nov-21	2	Transect survey (PM)	1.338519026	103.795142	2025	*Gallus gallus*	Red junglefowl	Bird	1
18-Nov-21	2	Transect survey (PM)	1.338519026	103.795142	2025	*Unidentified Pteropodidae*	Unidentified fruit bat	Mammal	1
18-Nov-21	2	Transect survey (PM)	1.338519026	103.795142	2025	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	2
18-Nov-21	2	Transect survey (PM)	1.338976007	103.794844	2038	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
18-Nov-21	2	Transect survey (PM)	1.338976007	103.794844	2038	*Unidentified Pteropodidae*	Unidentified fruit bat	Mammal	1
18-Nov-21	2	Transect survey (PM)	1.339082038	103.794783	2040	*Kaloula pulchra*	Banded bull frog	Amphibian	5
18-Nov-21	2	Transect survey (PM)	1.339456039	103.794564	2042	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	1
18-Nov-21	2	Transect survey (PM)	1.339456039	103.794564	2048	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
18-Nov-21	2	Transect survey (PM)	1.339682015	103.794558	2050	*Unidentified Pteropodidae*	Unidentified fruit bat	Mammal	2
18-Nov-21	2	Transect survey (PM)	1.340092979	103.794298	2053	*Unidentified Pteropodidae*	Unidentified fruit bat	Mammal	1
18-Nov-21	2	Transect survey (PM)	1.340092979	103.794298	2053	*Limnonectes blythii*	Malayan giant frog	Amphibian	2
18-Nov-21	2	Transect survey (PM)	1.340250978	103.794227	2055	*Limnonectes blythii*	Malayan giant frog	Amphibian	2
18-Nov-21	2	Transect survey (PM)	1.340339994	103.794147	2103	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
18-Nov-21	2	Transect survey (PM)	1.340842992	103.793968	2112	*Eutropis multifasciata*	Many-lined sun skink	Reptile	1
18-Nov-21	2	Transect survey (PM)	1.340990011	103.793906	2114	*Duttaphrynus melanostictus*	Asian toad	Amphibian	1
18-Nov-21	2	Transect survey (PM)	1.340990011	103.793906	2114	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
18-Nov-21	2	Transect survey (PM)	1.341530979	103.793786	2128	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
18-Nov-21	2	Transect survey (PM)	1.341530979	103.793786	2132	*Malayopython reticulatus*	Reticulated python	Reptile	1
18-Nov-21	2	Transect survey (PM)	1.341778999	103.793849	2135	*Microhyla mukhlesuri*	East Asian ornate chorus frog	Amphibian	1
18-Nov-21	2	Transect survey (PM)	1.341778999	103.793849	2135	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
18-Nov-21	2	Transect survey (PM)	1.341778999	103.793849	2135	*Microhyla heymonsi*	Dark-sided chorus frog	Amphibian	3
18-Nov-21	2	Transect survey (PM)	1.342046969	103.793871	2137	*Fejervarya sp.*	NA	Amphibian	1
18-Nov-21	2	Transect survey (PM)	1.342199016	103.793571	2139	*Fejervarya sp.*	NA	Amphibian	1
18-Nov-21	2	Transect survey (PM)	1.342153	103.793332	2141	*Otus lempiji*	Sunda scops owl	Bird	1
18-Nov-21	2	Transect survey (PM)	1.342153	103.793332	2141	*Kaloula pulchra*	Banded bull frog	Amphibian	20
18-Nov-21	2	Aquatic point count (PM)	1.341077015	103.793771	2011-2016	*Poecilia reticulata*	Guppy	Fish	12
18-Nov-21	2	Aquatic point count (PM)	1.341077015	103.793771	2011-2016	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
18-Nov-21	2	Aquatic point count (PM)	1.341077015	103.793771	2011-2016	*Eleutherodactylus planirostri*	Greenhouse frog	Amphibian	1

18-Nov-21	2	Aquatic point count (PM)	1.339327963	103.794539	2042-2047	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
18-Nov-21	2	Aquatic point count (PM)	1.338536041	103.795027	2055-2100	*Barbodes rhombeus*	Indochinese spotted barb	Fish	12
18-Nov-21	2	Aquatic point count (PM)	1.338010998	103.795358	2117-2122	*Poecilia reticulata*	Guppy	Fish	62
18-Nov-21	2	Aquatic point count (PM)	1.338010998	103.795358	2117-2122	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
19-Nov-21	1	Transect survey (AM)	1.341999024	103.793082	1307	*Pelopidas mathias mathias*	Small branded swift	Butterfly	1
19-Nov-21	1	Transect survey (AM)	1.342338994	103.793641	1309	*Neurothemis fluctuans*	Common parasol	Odonata	1
19-Nov-21	1	Transect survey (AM)	1.342338994	103.793641	1309	*Logania marmorata damis*	Pale mottle	Butterfly	2
19-Nov-21	1	Transect survey (AM)	1.342338994	103.793641	1309	*Apis cerana*	Eastern honey bee	Aculeata	1
19-Nov-21	1	Transect survey (AM)	1.342078988	103.793665	1316	*Neurothemis fluctuans*	Common parasol	Odonata	1
19-Nov-21	1	Transect survey (AM)	1.342044035	103.793775	1317	*Iambrix salsala salsala*	Chestnut bob	Butterfly	1
19-Nov-21	1	Transect survey (AM)	1.342044035	103.793775	1317	*Lasippa heliodore dorelia*	Burmese lascar	Butterfly	1
19-Nov-21	1	Transect survey (AM)	1.341878995	103.793854	1320	*Ropalidia stigma*	NA	Aculeata	1
19-Nov-21	1	Transect survey (AM)	1.341878995	103.793854	1320	*Neurothemis fluctuans*	Common parasol	Odonata	3
19-Nov-21	1	Transect survey (AM)	1.341878995	103.793854	1320	*Mycalesis perseoides perseo*	Burmese bush brown	Butterfly	1
19-Nov-21	1	Transect survey (AM)	1.341536008	103.793765	1323	*Junonia atlites atlites*	Grey pansy	Butterfly	1
19-Nov-21	1	Transect survey (AM)	1.341536008	103.793765	1323	*Leptosia nina malayana*	Psyche	Butterfly	1
19-Nov-21	1	Transect survey (AM)	1.341486974	103.79379	1325	*Ropalidia stigma*	NA	Aculeata	1
19-Nov-21	1	Transect survey (AM)	1.341486974	103.79379	1325	*Orthetrum testaceum*	Scarlet skimmer	Odonata	2
19-Nov-21	1	Transect survey (AM)	1.341486974	103.79379	1325	*Apis cerana*	Eastern honey bee	Aculeata	1
19-Nov-21	1	Transect survey (AM)	1.341486974	103.79379	1325	*Egretta garzetta*	Little egret	Bird	1
19-Nov-21	1	Minnow trapping	1.341077015	103.793771	1337	*Barbodes rhombeus*	Indochinese spotted barb	Fish	1
19-Nov-21	1	Minnow trapping	1.341077015	103.793771	1337	*Poecilia reticulata*	Guppy	Fish	1
19-Nov-21	1	Transect survey (AM)	1.340902001	103.793871	1338	*Arhopala sp.*	NA	Butterfly	1
19-Nov-21	1	Transect survey (AM)	1.340902001	103.793871	1338	*Papilio polytes romulus*	Common mormon	Butterfly	1
19-Nov-21	1	Transect survey (AM)	1.340902001	103.793871	1338	*Neurothemis fluctuans*	Common parasol	Odonata	1
19-Nov-21	1	Transect survey (AM)	1.340902001	103.793871	1338	*Flos apidanus saturatus*	Plain plushblue	Butterfly	1
19-Nov-21	1	Minnow trapping	1.340251984	103.794138	1350	*Barbodes rhombeus*	Indochinese spotted barb	Fish	1
19-Nov-21	1	Minnow trapping	1.340251984	103.794138	1350	*Poecilia reticulata*	Guppy	Fish	6
19-Nov-21	1	Transect survey (AM)	1.339268032	103.79464	1359	*Junonia hedonia ida*	Chocolate pansy	Butterfly	1
19-Nov-21	1	Transect survey (AM)	1.339025963	103.794749	1402	*Troides helena cerberus*	Common birdwing	Butterfly	1
19-Nov-21	1	Transect survey (AM)	1.339025963	103.794749	1402	*Leptosia nina malayana*	Psyche	Butterfly	1

19-Nov-21	1	Minnow trapping	1.338536041	103.795027		*Barbodes rhombeus*	Indochinese spotted barb	Fish	1
19-Nov-21	1	Transect survey (AM)	1.338380976	103.795228	1410	*Iambrix salsala salsala*	Chestnut bob	Butterfly	1
19-Nov-21	1	Transect survey (AM)	1.338380976	103.795228	1410	*Junonia hedonia ida*	Chocolate pansy	Butterfly	1
19-Nov-21	1	Transect survey (AM)	1.338380976	103.795228	1410	*Ypthima sp.*	Ring sp.	Butterfly	1
19-Nov-21	1	Transect survey (AM)	1.338380976	103.795228	1410	*Orthetrum testaceum*	Scarlet skimmer	Odonata	1
19-Nov-21	1	Transect survey (AM)	1.337985015	103.795618	1419	*Hypolimnas bolina bolina*	Great eggfly	Butterfly	1
19-Nov-21	1	Transect survey (AM)	1.337831961	103.795875	1422	*Anthracoceros albirostris*	Oriental pied hornbill	Bird	2
19-Nov-21	1	Transect survey (AM)	1.337569021	103.79604	1425	*Lathrecista asiatica*	Scarlet grenadier	Odonata	1
19-Nov-21	1	Transect survey (AM)	1.337569021	103.79604	1425	*Lasippa sp.*	Lascar sp.	Butterfly	1
07-Dec-21		Others	1.34000002	103.797066	936	*Macaca fascicularis*	Long-tailed macaque	Mammal	7
30-Nov-21	2	Transect survey (PM)	1.337276995	103.796141	1311	*Papilio polytes romulus*	Common mormon	Butterfly	1
30-Nov-21	2	Transect survey (PM)	1.337625012	103.795893	1316	*Delias hyparete metarete*	Painted jezebel	Butterfly	1
30-Nov-21	2	Transect survey (PM)	1.337825004	103.795713	1320	*Iambrix salsala salsala*	Chestnut bob	Butterfly	1
30-Nov-21	2	Transect survey (PM)	1.338191964	103.795214	1333	*Elymnias hypermnestra agin*	Common palmfly	Butterfly	1
30-Nov-21	2	Transect survey (PM)	1.338191964	103.795214	1333	*Troides helena cerberus*	Common birdwing	Butterfly	1
30-Nov-21	2	Transect survey (PM)	1.338191964	103.795214	1333	*Leptosia nina malayana*	Psyche	Butterfly	1
30-Nov-21	2	Transect survey (PM)	1.338191964	103.795214	1333	*Ropalidia sumatrae*	NA	Aculeata	2
30-Nov-21	2	Transect survey (PM)	1.338191964	103.795214	1333	*Neurothemis fluctuans*	Common parasol	Odonata	1
30-Nov-21	2	Transect survey (PM)	1.338191964	103.795214	1333	*Oriens paragola*	Malay dartlet	Butterfly	1
30-Nov-21	2	Transect survey (PM)	1.338191964	103.795214	1333	*Ypthima horsfieldii humei*	Malayan five-ring	Butterfly	1
30-Nov-21	2	Transect survey (PM)	1.338231023	103.795311	1336	*Orthetrum chrysis*	Spine-tufted skimmer	Odonata	1
30-Nov-21	2	Transect survey (PM)	1.338231023	103.795311	1336	*Junonia hedonia ida*	Chocolate pansy	Butterfly	1
30-Nov-21	2	Transect survey (PM)	1.338231023	103.795311	1336	*Leptosia nina malayana*	Psyche	Butterfly	1
30-Nov-21	2	Transect survey (PM)	1.338231023	103.795311	1336	*Elymnias hypermnestra agin*	Common palmfly	Butterfly	1
30-Nov-21	2	Transect survey (PM)	1.338287015	103.795284	1337	*Sphex subtruncatus*	NA	Aculeata	1
30-Nov-21	2	Transect survey (PM)	1.338287015	103.795284	1337	*Agriocnemis femina*	Variable wisp	Odonata	1
30-Nov-21	2	Transect survey (PM)	1.338287015	103.795284	1337	*Apis cerana*	Eastern honey bee	Aculeata	1
30-Nov-21	2	Transect survey (PM)	1.338287015	103.795284	1337	*Leptosia nina malayana*	Psyche	Butterfly	1
30-Nov-21	2	Transect survey (PM)	1.338489018	103.795082	1342	*Liostenogaster varipicta*	NA	Aculeata	1
30-Nov-21	2	Transect survey (PM)	1.338489018	103.795082	1342	*Iambrix salsala salsala*	Chestnut bob	Butterfly	2
30-Nov-21	2	Transect survey (PM)	1.338981036	103.794835	1346	*Lasippa tiga siaka*	Malayan lascar	Butterfly	1

30-Nov-21	2	Transect survey (PM)	1.339162001	103.794638	1350	*Camacinia gigantea*	Sultan	Odonata	1
30-Nov-21	2	Transect survey (PM)	1.339162001	103.794638	1350	*Anthene emolus goberus*	Ciliate blue	Butterfly	2
30-Nov-21	2	Transect survey (PM)	1.339343973	103.794584	1354	*Arhopala sp.*	NA	Butterfly	1
30-Nov-21	2	Transect survey (PM)	1.339343973	103.794584	1354	*Arhopala centaurus nakula*	Centaur oakblue	Butterfly	1
30-Nov-21	2	Transect survey (PM)	1.339343973	103.794584	1354	*Apis andreniformis*	NA	Aculeata	1
30-Nov-21	2	Transect survey (PM)	1.339656031	103.794444	1359	*Leptosia nina malayana*	Psyche	Butterfly	1
30-Nov-21	2	Transect survey (PM)	1.340221977	103.794382	1400	*Rhyothemis phyllis*	Yellow-barred flutterer	Odonata	1
30-Nov-21	2	Transect survey (PM)	1.340194987	103.794308	1403	*Parischnogaster mellyi*	NA	Aculeata	3
30-Nov-21	2	Transect survey (PM)	1.340593966	103.794102	1406	*Ropalidia sumatrae*	NA	Aculeata	1
30-Nov-21	2	Transect survey (PM)	1.340678958	103.794064	1408	*Ropalidia stigma*	NA	Aculeata	1
30-Nov-21	2	Transect survey (PM)	1.34080804	103.79405	1412	*Neurothemis fluctuans*	Common parasol	Odonata	1
30-Nov-21	2	Transect survey (PM)	1.34080804	103.79405	1412	*Elymnias hypermnestra agin*	Common palmfly	Butterfly	1
30-Nov-21	2	Transect survey (PM)	1.341370968	103.793767	1419	*Orthetrum testaceum*	Scarlet skimmer	Odonata	1
30-Nov-21	2	Transect survey (PM)	1.341370968	103.793767	1419	*Graphium sarpedon luctatius*	Common bluebottle	Butterfly	1
30-Nov-21	2	Transect survey (PM)	1.341821998	103.793936	1420	*Orthetrum testaceum*	Scarlet skimmer	Odonata	1
30-Nov-21	2	Transect survey (PM)	1.341821998	103.793936	1423	*Neurothemis fluctuans*	Common parasol	Odonata	1
30-Nov-21	2	Transect survey (PM)	1.341821998	103.793936	1423	*Papilio polytes romulus*	Common mormon	Butterfly	1
30-Nov-21	2	Transect survey (PM)	1.34191202	103.793814	1425	*Agriocnemis femina*	Variable wisp	Odonata	1
30-Nov-21	2	Transect survey (PM)	1.341950996	103.79383	1426	*Mycalesis sp.*	Bush brown sp.	Butterfly	1
30-Nov-21	2	Transect survey (PM)	1.341961976	103.793827	1428	*Semanga superba deliciosa*	NA	Butterfly	1
30-Nov-21	2	Transect survey (PM)	1.341961976	103.793827	1428	*Ypthima sp.*	Ring sp.	Butterfly	1
30-Nov-21	2	Transect survey (PM)	1.342070019	103.793835	1431	*Ypthima horsfieldii humei*	Malayan five-ring	Butterfly	3
30-Nov-21	2	Transect survey (PM)	1.342232041	103.793761	1432	*Arhopala sp.*	NA	Butterfly	1
30-Nov-21	2	Transect survey (PM)	1.342232041	103.793761	1432	*Neurothemis fluctuans*	Common parasol	Odonata	1
30-Nov-21	2	Transect survey (PM)	1.342036994	103.79316	1437	*Trithemis aurora*	Crimson dropwing	Odonata	1
01-Dec-21		Others	1.342418	103.794383	1204	*Chrysopelea paradisi*	Paradise gliding snake	Reptile	1
08-Dec-21		Others	1.336945994	103.795646	1050	*Anthracoceros albirostris*	Oriental pied hornbill	Bird	5
15-Dec-21		Others	1.337611014	103.795186	940	*Gracula religiosa*	Common hill myna	Bird	2
15-Dec-21		Others	1.337611014	103.795186	940	*Micropternus brachyurus*	Rufous woodpecker	Bird	2

Date	Bamboo cluster	Latitude	Longitude	Bamboo species	Height (m)	Spread (m)	Presence of slits	Active slit internode girth (cm)	Active slit internode length (cm)	Active slit length (cm)	Active slit height from ground (m)	Estimated no. of individuals	Observations of bamboo bats	Priority classification (1 - bamboo bat roosting confirmed, 2 - bamboo bat recorded but roosting not confirmed, 3 - bamboo bat not recorded but potential roosting site)
01-Nov-21	BB2_01	1.338325	103.79711	*Thyrsostachys siamensis*	6	3	No	NA	NA	NA	NA	NA	NA	3
01-Nov-21	BB2_02	1.338174	103.79781	*Bambusa vulgaris*	10	3	No	NA	NA	NA	NA	NA	NA	3
01-Nov-21	BB2_03b	1.337285	103.79776	*Thyrsostachys siamensis*	8	3	Yes	NA	NA	NA	NA	2	1922h: calls detected 1930h: calls detected 1935h: calls detected	2
01-Nov-21	BB2_03c	1.337177	103.79785	*Bambusa vulgaris*	10	4	No	NA	NA	NA	NA	2	1922h: calls detected 1930h: calls detected 1935h: calls detected	2
03-Nov-21	BB2_03a	1.337257	103.79765	*Thyrsostachys siamensis*	6	3	No	NA	NA	NA	NA	NA	NA	3

Aquatic sampling point	Latitude	Longitude
FW2_01	1.339139035	103.798917
FW2_02	1.339178011	103.79863
FW2_03	1.339670029	103.797321
FW2_04	1.338920016	103.797443
FW2_05	1.338321967	103.797546
FW2_06	1.337798014	103.797631
FW2_07	1.336719012	103.79812
FW3_01	1.341077015	103.793771
FW3_02	1.340251984	103.794138
FW3_03	1.339327963	103.794539
FW3_04	1.338536041	103.795027
FW3_05	1.338010998	103.795358

Date	Cycle	Survey type	Direction	Fauna groups	Time in (h)	Time out (h)	Weather
13-Sep-21	1	Transect survey (AM)	Forward	Birds, Herpetofauna, Non-volant mammals	712	927	Overcast, started drizzling-light rain
14-Sep-21	1	Transect survey (AM)	Forward	Butterflies, Odonates, Aculeate hymenopterans	907	1133	Cloudy
15-Sep-21	1	Transect survey (PM)	Forward	Birds, Herpetofauna, Non-volant mammals	1949	2220	Fair
25-Sep-21	2	Transect survey (AM)	Reverse	Butterflies	848	1032	Sunny, got cloudy towards end
07-Oct-21	2	Transect survey (AM)	Reverse	Birds, Herpetofauna, Non-volant mammals	652	915	Fair
08-Oct-21	2	Transect survey (AM)	Reverse	Odonates, Aculeate hymenopterans	911	1128	Sunny, got cloudy towards end
11-Oct-21	2	Transect survey (PM)	Reverse	Birds, Herpetofauna, Non-volant mammals, Bats			
13-Oct-21	1	Aquatic point count (PM)		Herpetofauna, Freshwater aquatic fauna	2008	2240	Fair
13-Oct-21	1	Transect survey (PM)		Bats	2008	2240	Fair
14-Oct-21	1	Aquatic point count (AM)		Odonates, Herpetofauna, Freshwater aquatic fauna	1250	1420	Fair
20-Oct-21	1	Transect survey (PM)	Forward	Birds, Herpetofauna, Non-volant mammals, Bats	1955	2145	Fair
20-Oct-21	1	Aquatic point count (PM)		Herpetofauna, Freshwater aquatic fauna	1955	2145	Fair
21-Oct-21	1	Transect survey (AM)	Forward	Birds, Herpetofauna, Non-volant mammals			
21-Oct-21	1	Aquatic point count (AM)		Odonates, Herpetofauna, Freshwater aquatic fauna			
28-Oct-21	2	Aquatic point count (PM)		Herpetofauna, Freshwater aquatic fauna	1958	2209	Fair
29-Oct-21	2	Aquatic point count (AM)		Odonates, Herpetofauna, Freshwater aquatic fauna	908	1100	Fair
01-Nov-21		Roost emergence survey		Bamboo bats	1830	2100	Fair, after rain
03-Nov-21		Roost emergence survey		Bamboo bats	1830	2100	Fair, after rain
17-Nov-21	2	Transect survey (AM)	Reverse	Birds, Herpetofauna, Non-volant mammals	810	1020	Sunny
17-Nov-21	2	Aquatic point count (AM)		Odonates, Herpetofauna, Freshwater aquatic fauna	810	1020	Sunny
18-Nov-21	2	Transect survey (PM)	Reverse	Birds, Herpetofauna, Non-volant mammals, Bats	1950	2142	Cloudy
18-Nov-21	2	Aquatic point count (PM)		Herpetofauna, Freshwater aquatic fauna	1950	2142	Cloudy
19-Nov-21	1	Transect survey (AM)	Forward	Butterflies, Odonates, Aculeate hymenopterans	1306	1432	Fair
19-Nov-21	1	Minnow trapping		Freshwater aquatic fauna	1306	1432	Fair
24-Nov-21	1	Aquatic point count (PM)		Freshwater aquatic fauna	1945	2030	Fair

Appendix I2

Faunal Survey Data for Holland Plain (Sites IV and V)

Date	Cycle	Survey type	Lat	Lon	Time (24h)	Scientific name	Common name	Fauna group	Quantity
04-Oct-21	1	Transect survey (AM)	1.334562013	103.782492	715	*Aerodramus sp.*	Swiftlet sp.	Bird	3
04-Oct-21	1	Transect survey (AM)	1.334562013	103.782492	715	*Aethopyga siparaja*	Crimson sunbird	Bird	1
04-Oct-21	1	Transect survey (AM)	1.334562013	103.782492	715	*Loriculus galgulus*	Blue-crowned hanging-parrot	Bird	4
04-Oct-21	1	Transect survey (AM)	1.334562013	103.782492	715	*Psittacula alexandri*	Red-breasted parakeet	Bird	3
04-Oct-21	1	Transect survey (AM)	1.334562013	103.782492	715	*Aplonis panayensis*	Asian glossy starling	Bird	3
04-Oct-21	1	Transect survey (AM)	1.334562013	103.782492	715	*Psittacula longicauda*	Long-tailed parakeet	Bird	1
04-Oct-21	1	Transect survey (AM)	1.334562013	103.782492	715	*Eurystomus orientalis*	Oriental dollarbird	Bird	1
04-Oct-21	1	Transect survey (AM)	1.334562013	103.782492	715	*Treron vernans*	Pink-necked green pigeon	Bird	2
04-Oct-21	1	Transect survey (AM)	1.334562013	103.782492	715	*Merops viridis*	Blue-throated bee-eater	Bird	2
04-Oct-21	1	Transect survey (AM)	1.334623033	103.782346	720	*Dicaeum cruentatum*	Scarlet-backed flowerpecker	Bird	1
04-Oct-21	1	Transect survey (AM)	1.334623033	103.782346	720	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
04-Oct-21	1	Transect survey (AM)	1.334623033	103.782346	720	*Acridotheres javanicus*	Javan myna	Bird	1
04-Oct-21	1	Transect survey (AM)	1.334623033	103.782346	720	*Mixornis gularis*	Pin-striped tit-babbler	Bird	2
04-Oct-21	1	Transect survey (AM)	1.33443201	103.782208	723	*Halcyon smyrnensis*	White-throated kingfisher	Bird	1
04-Oct-21	1	Transect survey (AM)	1.334399991	103.782058	727	*Acridotheres javanicus*	Javan myna	Bird	5
04-Oct-21	1	Transect survey (AM)	1.334371995	103.78192	729	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
04-Oct-21	1	Transect survey (AM)	1.334371995	103.78192	729	*Eurystomus orientalis*	Oriental dollarbird	Bird	2
04-Oct-21	1	Transect survey (AM)	1.334371995	103.78192	729	*Cacatua goffiniana*	Tanimbar corella	Bird	1
04-Oct-21	1	Transect survey (AM)	1.334371995	103.78192	729	*Psilopogon lineatus*	Lineated barbet	Bird	1
04-Oct-21	1	Transect survey (AM)	1.334371995	103.78192	729	*Aerodramus sp.*	Swiftlet sp.	Bird	1
04-Oct-21	1	Transect survey (AM)	1.334371995	103.78192	729	*Mixornis gularis*	Pin-striped tit-babbler	Bird	2
04-Oct-21	1	Transect survey (AM)	1.334371995	103.78192	729	*Oriolus chinensis*	Black-naped oriole	Bird	1
04-Oct-21	1	Transect survey (AM)	1.334186001	103.781679	734	*Eurystomus orientalis*	Oriental dollarbird	Bird	1
04-Oct-21	1	Transect survey (AM)	1.334020961	103.781724	737	*Zosterops simplex*	Swinhoe's white-eye	Bird	5
04-Oct-21	1	Transect survey (AM)	1.334020961	103.781724	737	*Chrysophlegma miniaceum*	Banded woodpecker	Bird	1
04-Oct-21	1	Transect survey (AM)	1.334020961	103.781724	737	*Aegithina tiphia*	Common iora	Bird	1
04-Oct-21	1	Transect survey (AM)	1.334020961	103.781724	737	*Aplonis panayensis*	Asian glossy starling	Bird	3
04-Oct-21	1	Transect survey (AM)	1.333846031	103.781696	741	*Eleutherodactylus planirostris*	Greenhouse frog	Amphibian	3
04-Oct-21	1	Transect survey (AM)	1.333846031	103.781696	741	*Dicrurus paradiseus*	Greater racket-tailed drongo	Bird	1
04-Oct-21	1	Transect survey (AM)	1.333846031	103.781696	741	*Callosciurus notatus*	Plantain squirrel	Mammal	1
04-Oct-21	1	Transect survey (AM)	1.333846031	103.781696	741	*Muscicapa dauurica*	Asian brown flycatcher	Bird	1
04-Oct-21	1	Transect survey (AM)	1.333846031	103.781696	741	*Gallus gallus*	Red junglefowl	Bird	1
04-Oct-21	1	Transect survey (AM)	1.333694989	103.781729	745	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	3
04-Oct-21	1	Transect survey (AM)	1.333694989	103.781729	745	*Mixornis gularis*	Pin-striped tit-babbler	Bird	2
04-Oct-21	1	Transect survey (AM)	1.333694989	103.781729	745	*Treron vernans*	Pink-necked green pigeon	Bird	1
04-Oct-21	1	Transect survey (AM)	1.333694989	103.781729	745	*Lanius tigrinus*	Tiger shrike	Bird	1
04-Oct-21	1	Transect survey (AM)	1.333694989	103.781729	745	*Spilopelia chinensis*	Spotted dove	Bird	2
04-Oct-21	1	Transect survey (AM)	1.333694989	103.781729	745	*Aerodramus sp.*	Swiftlet sp.	Bird	2
04-Oct-21	1	Transect survey (AM)	1.333694989	103.781729	745	*Callosciurus notatus*	Plantain squirrel	Mammal	1
04-Oct-21	1	Transect survey (AM)	1.333694989	103.781729	745	*Hirundo tahitica*	Pacific swallow	Bird	1

04-Oct-21	1	Transect survey (AM)	1.333694989	103.781729	745	*Merops sp.*	Bee-eater sp.	Bird	1
04-Oct-21	1	Transect survey (AM)	1.333694989	103.781729	745	*Cinnyris jugularis*	Olive-backed sunbird	Bird	1
04-Oct-21	1	Transect survey (AM)	1.333694989	103.781729	745	*Loriculus galgulus*	Blue-crowned hanging-parrot	Bird	1
04-Oct-21	1	Transect survey (AM)	1.333694989	103.781729	745	*Psittacula longicauda*	Long-tailed parakeet	Bird	5
04-Oct-21	1	Transect survey (AM)	1.333393995	103.781753	756	*Eleutherodactylus planirostris*	Greenhouse frog	Amphibian	2
04-Oct-21	1	Transect survey (AM)	1.333295004	103.781809	758	*Acridotheres javanicus*	Javan myna	Bird	5
04-Oct-21	1	Transect survey (AM)	1.333295004	103.781809	758	*Psilopogon lineatus*	Lineated barbet	Bird	1
04-Oct-21	1	Transect survey (AM)	1.333295004	103.781809	758	*Psittacula alexandri*	Red-breasted parakeet	Bird	2
04-Oct-21	1	Transect survey (AM)	1.333295004	103.781809	758	*Dicaeum cruentatum*	Scarlet-backed flowerpecker	Bird	1
04-Oct-21	1	Transect survey (AM)	1.33286803	103.781896	800	*Microhyla butleri*	Painted chorus frog	Amphibian	2
04-Oct-21	1	Transect survey (AM)	1.33286803	103.781896	800	*Pycnonotus plumosus*	Olive-winged bulbul	Bird	1
04-Oct-21	1	Transect survey (AM)	1.33286803	103.781896	800	*Dinopium javanense*	Common flameback	Bird	1
04-Oct-21	1	Transect survey (AM)	1.33286803	103.781896	800	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	4
04-Oct-21	1	Transect survey (AM)	1.33286803	103.781896	800	*Aplonis panayensis*	Asian glossy starling	Bird	1
04-Oct-21	1	Transect survey (AM)	1.33286803	103.781896	800	*Orthotomus sp.*	Tailorbird sp.	Bird	1
04-Oct-21	1	Transect survey (AM)	1.33286803	103.781896	800	*Acridotheres javanicus*	Javan myna	Bird	2
04-Oct-21	1	Transect survey (AM)	1.33286803	103.781896	800	*Treron vernans*	Pink-necked green pigeon	Bird	1
04-Oct-21	1	Transect survey (AM)	1.33286803	103.781896	800	*Spilopelia chinensis*	Spotted dove	Bird	1
04-Oct-21	1	Transect survey (AM)	1.332592014	103.782465	804	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
04-Oct-21	1	Transect survey (AM)	1.332592014	103.782465	804	*Loriculus galgulus*	Blue-crowned hanging-parrot	Bird	1
04-Oct-21	1	Transect survey (AM)	1.332052974	103.78328	807	*Anthreptes malacensis*	Brown-throated sunbird	Bird	1
04-Oct-21	1	Transect survey (AM)	1.332052974	103.78328	807	*Cinnyris jugularis*	Olive-backed sunbird	Bird	1
04-Oct-21	1	Transect survey (AM)	1.332052974	103.78328	807	*Acridotheres javanicus*	Javan myna	Bird	7
04-Oct-21	1	Transect survey (AM)	1.332052974	103.78328	807	*Hirundo tahitica*	Pacific swallow	Bird	4
04-Oct-21	1	Transect survey (AM)	1.332052974	103.78328	807	*Aplonis panayensis*	Asian glossy starling	Bird	15
04-Oct-21	1	Transect survey (AM)	1.332052974	103.78328	807	*Cecropis daurica*	Red-rumped swallow	Bird	1
04-Oct-21	1	Transect survey (AM)	1.33167604	103.783028	814	*Merops viridis*	Blue-throated bee-eater	Bird	9
04-Oct-21	1	Transect survey (AM)	1.33167604	103.783028	814	*Psittacula longicauda*	Long-tailed parakeet	Bird	1
04-Oct-21	1	Transect survey (AM)	1.33167604	103.783028	814	*Treron vernans*	Pink-necked green pigeon	Bird	4
04-Oct-21	1	Transect survey (AM)	1.33167604	103.783028	814	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
04-Oct-21	1	Transect survey (AM)	1.33167604	103.783028	814	*Hirundo tahitica*	Pacific swallow	Bird	1
04-Oct-21	1	Transect survey (AM)	1.33167604	103.783028	814	*Aplonis panayensis*	Asian glossy starling	Bird	4
04-Oct-21	1	Transect survey (AM)	1.331711998	103.782689	817	*Spilopelia chinensis*	Spotted dove	Bird	2
04-Oct-21	1	Transect survey (AM)	1.331711998	103.782689	817	*Rhipidura javanica*	Malaysian pied fantail	Bird	1
04-Oct-21	1	Transect survey (AM)	1.331711998	103.782689	817	*Halcyon smyrnensis*	White-throated kingfisher	Bird	1
04-Oct-21	1	Transect survey (AM)	1.331711998	103.782689	817	*Loriculus galgulus*	Blue-crowned hanging-parrot	Bird	1
04-Oct-21	1	Transect survey (AM)	1.331711998	103.782689	817	*Aplonis panayensis*	Asian glossy starling	Bird	1
04-Oct-21	1	Transect survey (AM)	1.331711998	103.782689	817	*Mixornis gularis*	Pin-striped tit-babbler	Bird	3
04-Oct-21	1	Transect survey (AM)	1.331711998	103.782689	817	*Aerodramus sp.*	Swiftlet sp.	Bird	2
04-Oct-21	1	Transect survey (AM)	1.33174804	103.782537	820	*Microhyla heymonsi*	Dark-sided chorus frog	Amphibian	2
04-Oct-21	1	Transect survey (AM)	1.33174804	103.782537	820	*Microhyla sp.*	Chorus frog sp.	Amphibian	4

04-Oct-21	1	Transect survey (AM)	1.33174804	103.782537	820	*Psittacula alexandri*	Red-breasted parakeet	Bird	1
04-Oct-21	1	Aquatic point count (AM	1.331678974	103.782349	824-829	*Lestes praemorsus*	Crenulated spreadwing	Odonata	1
04-Oct-21	1	Aquatic point count (AM	1.331678974	103.782349	824-829	*Microhyla sp.*	Chorus frog sp.	Amphibian	50
04-Oct-21	1	Aquatic point count (AM	1.331678974	103.782349	824-829	*Microhyla heymonsi*	Dark-sided chorus frog	Amphibian	50
04-Oct-21	1	Aquatic point count (AM	1.331678974	103.782349	824-829	*Acisoma panorpoides*	Trumpet tail	Odonata	1
04-Oct-21	1	Aquatic point count (AM	1.331678974	103.782349	824-829	*Microhyla butleri*	Painted chorus frog	Amphibian	1
04-Oct-21	1	Aquatic point count (AM	1.331678974	103.782349	824-829	*Neurothemis fluctuans*	Common parasol	Odonata	1
04-Oct-21	1	Transect survey (AM)	1.331678974	103.782349	824	*Pycnonotus jocosus*	Red-whiskered bulbul	Bird	2
04-Oct-21	1	Transect survey (AM)	1.331678974	103.782349	824	*Lalage nigra*	Pied triller	Bird	2
04-Oct-21	1	Transect survey (AM)	1.331678974	103.782349	824	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	2
04-Oct-21	1	Transect survey (AM)	1.331678974	103.782349	824	*Pycnonotus zeylanicus*	Straw-headed bulbul	Bird	1
04-Oct-21	1	Transect survey (AM)	1.331678974	103.782349	824	*Dicrurus paradiseus*	Greater racket-tailed drongo	Bird	1
04-Oct-21	1	Transect survey (AM)	1.331678974	103.782349	824	*Psittacula alexandri*	Red-breasted parakeet	Bird	1
04-Oct-21	1	Transect survey (AM)	1.331765978	103.78201	832	*Callosciurus notatus*	Plantain squirrel	Mammal	1
04-Oct-21	1	Transect survey (AM)	1.331765978	103.78201	832	*Cinnyris jugularis*	Olive-backed sunbird	Bird	1
04-Oct-21	1	Transect survey (AM)	1.331765978	103.78201	832	*Lanius sp.*	Shrike sp.	Bird	3
04-Oct-21	1	Transect survey (AM)	1.331512006	103.781803	834	*Garrulax leucolophus*	White-crested laughingthrush	Bird	3
04-Oct-21	1	Transect survey (AM)	1.331512006	103.781803	834	*Oriolus chinensis*	Black-naped oriole	Bird	1
04-Oct-21	1	Transect survey (AM)	1.331512006	103.781803	834	*Pycnonotus jocosus*	Red-whiskered bulbul	Bird	1
04-Oct-21	1	Transect survey (AM)	1.331512006	103.781803	834	*Zosterops simplex*	Swinhoe's white-eye	Bird	5
04-Oct-21	1	Transect survey (AM)	1.331512006	103.781803	834	*Callosciurus notatus*	Plantain squirrel	Mammal	1
04-Oct-21	1	Transect survey (AM)	1.331512006	103.781803	834	*Terpsiphone affinis*	Blyth's paradise flycatcher	Bird	1
04-Oct-21	1	Transect survey (AM)	1.331512006	103.781803	834	*Mixornis gularis*	Pin-striped tit-babbler	Bird	2
04-Oct-21	1	Transect survey (AM)	1.331512006	103.781803	834	*Psittacula alexandri*	Red-breasted parakeet	Bird	3
04-Oct-21	1	Transect survey (AM)	1.330722012	103.781781	840	*Callosciurus notatus*	Plantain squirrel	Mammal	2
04-Oct-21	1	Transect survey (AM)	1.330722012	103.781781	840	*Psittacula longicauda*	Long-tailed parakeet	Bird	3
04-Oct-21	1	Transect survey (AM)	1.330722012	103.781781	840	*Dinopium javanense*	Common flameback	Bird	1
04-Oct-21	1	Transect survey (AM)	1.330722012	103.781781	840	*Psilopogon lineatus*	Lineated barbet	Bird	1
04-Oct-21	1	Transect survey (AM)	1.330722012	103.781781	840	*Picus vittatus*	Laced woodpecker	Bird	1
04-Oct-21	1	Transect survey (AM)	1.330722012	103.781781	840	*Dicrurus paradiseus*	Greater racket-tailed drongo	Bird	1
04-Oct-21	1	Transect survey (AM)	1.330722012	103.781781	840	*Garrulax leucolophus*	White-crested laughingthrush	Bird	4
04-Oct-21	1	Transect survey (AM)	1.330345999	103.781741	843	*Varanus nebulosus*	Clouded monitor	Reptile	1
04-Oct-21	1	Transect survey (AM)	1.330345999	103.781741	843	*Dicrurus paradiseus*	Greater racket-tailed drongo	Bird	1
04-Oct-21	1	Transect survey (AM)	1.330345999	103.781741	843	*Psittacula longicauda*	Long-tailed parakeet	Bird	1
04-Oct-21	1	Transect survey (AM)	1.330345999	103.781741	843	*Psittacula alexandri*	Red-breasted parakeet	Bird	2
04-Oct-21	1	Transect survey (AM)	1.330345999	103.781741	843	*Acridotheres javanicus*	Javan myna	Bird	10
04-Oct-21	1	Transect survey (AM)	1.329926988	103.781741	846	*Psilopogon lineatus*	Lineated barbet	Bird	1
04-Oct-21	1	Transect survey (AM)	1.329926988	103.781741	846	*Dinopium javanense*	Common flameback	Bird	1
04-Oct-21	1	Transect survey (AM)	1.329926988	103.781741	846	*Pycnonotus jocosus*	Red-whiskered bulbul	Bird	1
04-Oct-21	1	Transect survey (AM)	1.329926988	103.781741	846	*Oriolus chinensis*	Black-naped oriole	Bird	1
04-Oct-21	1	Transect survey (AM)	1.329926988	103.781741	846	*Hirundo rustica*	Barn swallow	Bird	1

04-Oct-21	1	Transect survey (AM)	1.329926988	103.781741	846	*Callosciurus notatus*	Plantain squirrel	Mammal	1
04-Oct-21	1	Transect survey (AM)	1.329926988	103.781741	846	*Dicrurus paradiseus*	Greater racket-tailed drongo	Bird	1
04-Oct-21	1	Transect survey (AM)	1.329926988	103.781741	846	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	1
04-Oct-21	1	Transect survey (AM)	1.329926988	103.781741	846	*Psittacula alexandri*	Red-breasted parakeet	Bird	2
04-Oct-21	1	Transect survey (AM)	1.329926988	103.781741	846	*Psittacula longicauda*	Long-tailed parakeet	Bird	1
04-Oct-21	1	Transect survey (AM)	1.329926988	103.781741	846	*Pycnonotus zeylanicus*	Straw-headed bulbul	Bird	1
04-Oct-21	1	Transect survey (AM)	1.32968802	103.781909	852	*Rhipidura javanica*	Malaysian pied fantail	Bird	1
04-Oct-21	1	Transect survey (AM)	1.32968802	103.781909	852	*Cinnyris jugularis*	Olive-backed sunbird	Bird	1
04-Oct-21	1	Transect survey (AM)	1.32968802	103.781909	852	*Mixornis gularis*	Pin-striped tit-babbler	Bird	3
04-Oct-21	1	Transect survey (AM)	1.32968802	103.781909	852	*Zosterops simplex*	Swinhoe's white-eye	Bird	2
04-Oct-21	1	Transect survey (AM)	1.32968802	103.781909	852	*Psilopogon lineatus*	Lineated barbet	Bird	1
04-Oct-21	1	Transect survey (AM)	1.32968802	103.781909	852	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
04-Oct-21	1	Transect survey (AM)	1.329264985	103.781987	857	*Psilopogon haemacephalus*	Coppersmith barbet	Bird	1
04-Oct-21	1	Transect survey (AM)	1.329264985	103.781987	857	*Orthotomus atrogularis*	Dark-necked tailorbird	Bird	1
04-Oct-21	1	Transect survey (AM)	1.328787971	103.782205	902	*Psilopogon lineatus*	Lineated barbet	Bird	2
04-Oct-21	1	Transect survey (AM)	1.328787971	103.782205	902	*Picus vittatus*	Laced woodpecker	Bird	1
04-Oct-21	1	Transect survey (AM)	1.328584962	103.782295	906	*Trichoglossus haematodus*	Coconut lorikeet	Bird	4
04-Oct-21	1	Transect survey (AM)	1.328129992	103.782454	916	*Cacatua goffiniana*	Tanimbar corella	Bird	1
04-Oct-21	1	Transect survey (AM)	1.328082969	103.782552	920	*Pernis ptilorhynchus*	Crested honey-buzzard	Bird	1
04-Oct-21	1	Transect survey (AM)	1.328082969	103.782552	920	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
04-Oct-21	1	Transect survey (AM)	1.328082969	103.782552	920	*Microhyla butleri*	Painted chorus frog	Amphibian	50
04-Oct-21	1	Transect survey (AM)	1.328082969	103.782552	920	*Microhyla heymonsi*	Dark-sided chorus frog	Amphibian	55
04-Oct-21	1	Transect survey (AM)	1.328082969	103.782552	920	*Microhyla sp.*	Chorus frog sp.	Amphibian	60
04-Oct-21	1	Transect survey (AM)	1.328082969	103.782552	920	*Dicaeum cruentatum*	Scarlet-backed flowerpecker	Bird	1
04-Oct-21	1	Transect survey (AM)	1.328082969	103.782552	920	*Halcyon smyrnensis*	White-throated kingfisher	Bird	1
04-Oct-21	1	Transect survey (AM)	1.328082969	103.782552	920	*Eurystomus orientalis*	Oriental dollarbird	Bird	1
04-Oct-21	1	Transect survey (AM)	1.328115994	103.783054	929	*Cinnyris jugularis*	Olive-backed sunbird	Bird	1
04-Oct-21	1	Transect survey (AM)	1.328115994	103.783054	929	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	3
04-Oct-21	1	Transect survey (AM)	1.328115994	103.783054	929	*Pycnonotus jocosus*	Red-whiskered bulbul	Bird	1
04-Oct-21	1	Transect survey (AM)	1.328115994	103.783054	929	*ACridotheres javanicus*	Javan myna	Bird	5
04-Oct-21	1	Transect survey (AM)	1.328115994	103.783054	929	*Treron vernans*	Pink-necked green pigeon	Bird	2
04-Oct-21	1	Transect survey (AM)	1.328115994	103.783054	929	*Spilopelia chinensis*	Spotted dove	Bird	1
04-Oct-21	1	Transect survey (AM)	1.327820029	103.783804	940	*Dicaeum cruentatum*	Scarlet-backed flowerpecker	Bird	1
04-Oct-21	1	Transect survey (AM)	1.327820029	103.783804	940	*Aplonis panayensis*	Asian glossy starling	Bird	3
04-Oct-21	1	Transect survey (AM)	1.327683991	103.784074	943	*Anthreptes malacensis*	Brown-throated sunbird	Bird	1
04-Oct-21	1	Transect survey (AM)	1.327632023	103.784067	945	*Troides helena cerberus*	Common birdwing	Butterfly	1
04-Oct-21	1	Transect survey (AM)	1.327632023	103.784067	945	*Ficedula zanthopygia*	Yellow-rumped flycatcher	Bird	1
05-Oct-21	1	Aquatic point count (PM	1.335174913	103.7824223	1946-1950	*Microhyla heymonsi*	Dark-sided chorus frog	Amphibian	20
05-Oct-21	1	Aquatic point count (PM	1.335174913	103.7824223	1946-1950	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	5
05-Oct-21	1	Aquatic point count (PM	1.335174913	103.7824223	1946-1950	*Eleutherodactylus planirostris*	Greenhouse frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.334468974	103.782141	2005	*Eleutherodactylus planirostris*	Greenhouse frog	Amphibian	1

05-Oct-21	1	Transect survey (PM)	1.334468974	103.782141	2005	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.334468974	103.782141	2007	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.334468974	103.782141	2007	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.334468974	103.782141	2009	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.334489007	103.782001	2012	*Eleutherodactylus planirostris*	Greenhouse frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.334458999	103.781973	2015	*Garrulax leucolophus*	White-crested laughingthrush	Bird	1
05-Oct-21	1	Transect survey (PM)	1.334458999	103.781973	2016	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.334458999	103.781973	2016	*Eleutherodactylus planirostris*	Greenhouse frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.334166974	103.781725	2025	*Microhyla sp.*	Chorus frog sp.	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.334137972	103.781734	2025	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.334062032	103.78169	2026	*Eleutherodactylus planirostris*	Greenhouse frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.333846031	103.781762	2030	*Otus lempiji*	Sunda scops owl	Bird	1
05-Oct-21	1	Transect survey (PM)	1.334458999	103.781973	2015	*Unidentified Strigidae*	#N/A	Bird	1
05-Oct-21	1	Transect survey (PM)	1.333646039	103.781759	2033	*Caprimulgus affinis*	Savanna nightjar	Bird	1
05-Oct-21	1	Transect survey (PM)	1.333334986	103.781813	2036	*Unidentified Muridae*	Rat sp.	Mammal	1
05-Oct-21	1	Transect survey (PM)	1.332437033	103.782718	2045	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.332303006	103.782927	2048	*Microhyla heymonsi*	Dark-sided chorus frog	Amphibian	5
05-Oct-21	1	Transect survey (PM)	1.332303006	103.782927	2048	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.331926994	103.783293	2051	*Caprimulgus sp.*	Nightjar sp.	Bird	4
05-Oct-21	1	Transect survey (PM)	1.331728008	103.782996	2054	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.331771007	103.782933	2054	*Dendrelaphis pictus*	Painted bronzeback	Reptile	1
05-Oct-21	1	Transect survey (PM)	1.331771007	103.782933	2054	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	3
05-Oct-21	1	Transect survey (PM)	1.331771007	103.782933	2054	*Microhyla butleri*	Painted chorus frog	Amphibian	16
05-Oct-21	1	Transect survey (PM)	1.331771007	103.782933	2054	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.331766983	103.782847	2054	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.331749968	103.782744	2055	*Microhyla heymonsi*	Dark-sided chorus frog	Amphibian	3
05-Oct-21	1	Transect survey (PM)	1.331838228	103.7823689	2056	*Dendrelaphis pictus*	Painted bronzeback	Reptile	1
05-Oct-21	1	Aquatic point count (PM	1.331678974	103.782349	2056-2101	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	3
05-Oct-21	1	Aquatic point count (PM	1.331678974	103.782349	2056-2101	*Microhyla heymonsi*	Dark-sided chorus frog	Amphibian	2
05-Oct-21	1	Aquatic point count (PM	1.331678974	103.782349	2056-2101	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
05-Oct-21	1	Aquatic point count (PM	1.331678974	103.782349	2056-2101	*Microhyla butleri*	Painted chorus frog	Amphibian	20
05-Oct-21	1	Transect survey (PM)	1.331682997	103.782198	2101	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.331682997	103.782198	2101	*Eleutherodactylus planirostris*	Greenhouse frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.331682997	103.782198	2101	*Caprimulgus affinis*	Savanna nightjar	Bird	1
05-Oct-21	1	Transect survey (PM)	1.331682997	103.782198	2101	*Microhyla heymonsi*	Dark-sided chorus frog	Amphibian	2
05-Oct-21	1	Transect survey (PM)	1.33177897	103.782026	2101	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.33177897	103.782026	2101	*Microhyla heymonsi*	Dark-sided chorus frog	Amphibian	2
05-Oct-21	1	Transect survey (PM)	1.33177897	103.782026	2108	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	3
05-Oct-21	1	Transect survey (PM)	1.33176296	103.781908	2108	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.330678007	103.781772	2109	*Caprimulgus macrurus*	Large-tailed nightjar	Bird	1
05-Oct-21	1	Transect survey (PM)	1.330049029	103.781783	2112	*Caprimulgus macrurus*	Large-tailed nightjar	Bird	1

05-Oct-21	1	Transect survey (PM)	1.329880971	103.781707	2114	*Microhyla heymonsi*	Dark-sided chorus frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.329831015	103.781876	2115	*Microhyla heymonsi*	Dark-sided chorus frog	Amphibian	2
05-Oct-21	1	Transect survey (PM)	1.329521975	103.781969	2125	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.32936297	103.782036	2127	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.329273032	103.782008	2129	*Microhyla mukhlesuri*	East Asian ornate chorus frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.329250988	103.782041	2131	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.329250988	103.782041	2131	*Microhyla mukhlesuri*	East Asian ornate chorus frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.329122996	103.782032	2133	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.32898503	103.782159	2137	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.328774979	103.782187	2138	*Eurystomus orientalis*	Oriental dollarbird	Bird	1
05-Oct-21	1	Transect survey (PM)	1.328773974	103.78225	2139	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.328555038	103.782361	2143	*Microhyla heymonsi*	Dark-sided chorus frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.328374995	103.782491	2147	*Kaloula pulchra*	Banded bull frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.328374995	103.782491	2147	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	3
05-Oct-21	1	Transect survey (PM)	1.328374995	103.782491	2147	*Microhyla butleri*	Painted chorus frog	Amphibian	50
05-Oct-21	1	Transect survey (PM)	1.328374995	103.782491	2147	*Microhyla heymonsi*	Dark-sided chorus frog	Amphibian	7
05-Oct-21	1	Transect survey (PM)	1.328374995	103.782491	2147	*Microhyla mukhlesuri*	East Asian ornate chorus frog	Amphibian	5
05-Oct-21	1	Transect survey (PM)	1.328132004	103.782473	2150	*Unidentified Pteropodidae*	Unidentified fruit bat	Mammal	1
05-Oct-21	1	Transect survey (PM)	1.328124041	103.782612	2152	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.328104008	103.782807	2157	*Cynopterus brachyotis*	Lesser short-nosed fruit bat	Mammal	1
05-Oct-21	1	Transect survey (PM)	1.328111971	103.782907	2158	*Microhyla heymonsi*	Dark-sided chorus frog	Amphibian	6
05-Oct-21	1	Transect survey (PM)	1.328132004	103.78305	2200	*Microhyla butleri*	Painted chorus frog	Amphibian	3
05-Oct-21	1	Transect survey (PM)	1.32815103	103.78318	2202	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.32809001	103.783418	2206	*Microhyla mukhlesuri*	East Asian ornate chorus frog	Amphibian	3
05-Oct-21	1	Transect survey (PM)	1.32809001	103.783418	2206	*Microhyla butleri*	Painted chorus frog	Amphibian	5
05-Oct-21	1	Transect survey (PM)	1.32809001	103.783418	2206	*Microhyla heymonsi*	Dark-sided chorus frog	Amphibian	3
05-Oct-21	1	Transect survey (PM)	1.327835033	103.783955	2214	*Chalcorana labialis*	Copper-cheeked frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.327835033	103.783955	2215	*Eleutherodactylus planirostris*	Greenhouse frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.327701006	103.784116	2217	*Eutropis multifasciata*	Many-lined sun skink	Reptile	1
05-Oct-21	1	Transect survey (PM)	1.327659013	103.784094	2217	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
05-Oct-21	1	Transect survey (PM)	1.327659013	103.784094	2217	*Rallina fasciata*	Red-legged crake	Bird	1
05-Oct-21	1	Transect survey (PM)	1.327585001	103.784287	2222	*Halcyon smyrnensis*	White-throated kingfisher	Bird	1
05-Oct-21	1	Transect survey (PM)	1.327462038	103.784401	2232	*Cynopterus brachyotis*	Lesser short-nosed fruit bat	Mammal	1
05-Oct-21	1	Transect survey (PM)	1.327462038	103.784401	2234	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
06-Oct-21	1	Aquatic point count (AM	1.335174913	103.7824223	847-852	*Ceriagrion cerinorubellum*	Ornate coraltail	Odonata	2
06-Oct-21	1	Aquatic point count (AM	1.335174913	103.7824223	847-852	*Tramea transmarina*	Saddlebag glider	Odonata	2
06-Oct-21	1	Aquatic point count (AM	1.335174913	103.7824223	847-852	*Camacinia gigantea*	Sultan	Odonata	3
06-Oct-21	1	Aquatic point count (AM	1.335174913	103.7824223	847-852	*Rhyothemis phyllis*	Yellow-barred flutterer	Odonata	1
06-Oct-21	1	Aquatic point count (AM	1.335174913	103.7824223	847-852	*Lonchura maja*	White-headed munia	Bird	1
06-Oct-21	1	Aquatic point count (AM	1.335174913	103.7824223	847-852	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	1
06-Oct-21	1	Aquatic point count (AM	1.335174913	103.7824223	847-852	*Alcedo atthis*	Common kingfisher	Bird	1

06-Oct-21	1	Transect survey (AM)	1.334466962	103.782017	900	*Agrionoptera insignis*	Grenadier	Odonata	1
06-Oct-21	1	Transect survey (AM)	1.334231012	103.781842	924	*Agrionoptera insignis*	Grenadier	Odonata	1
06-Oct-21	1	Transect survey (AM)	1.334078964	103.781732	926	*Agrionoptera insignis*	Grenadier	Odonata	1
06-Oct-21	1	Transect survey (AM)	1.333428025	103.781807	930	*Camacinia gigantea*	Sultan	Odonata	1
06-Oct-21	1	Transect survey (AM)	1.333428025	103.781807	930	*Ypthima sp.*	Ring sp.	Butterfly	1
06-Oct-21	1	Transect survey (AM)	1.333428025	103.781807	930	*Orthetrum chrysis*	Spine-tufted skimmer	Odonata	1
06-Oct-21	1	Transect survey (AM)	1.333011026	103.781868	933	*Neurothemis fluctuans*	Common parasol	Odonata	1
06-Oct-21	1	Transect survey (AM)	1.333011026	103.781868	933	*Eurema sp.*	Grass yellow sp.	Butterfly	2
06-Oct-21	1	Transect survey (AM)	1.332713971	103.782299	937	*Neurothemis fluctuans*	Common parasol	Odonata	2
06-Oct-21	1	Transect survey (AM)	1.332625039	103.782447	938	*Agrionoptera insignis*	Grenadier	Odonata	1
06-Oct-21	1	Transect survey (AM)	1.332625039	103.782447	938	*Eurema sp.*	Grass yellow sp.	Butterfly	1
06-Oct-21	1	Transect survey (AM)	1.332511967	103.782723	939	*Trithemis aurora*	Crimson dropwing	Odonata	1
06-Oct-21	1	Transect survey (AM)	1.332511967	103.782723	939	*Eurema sp.*	Grass yellow sp.	Butterfly	1
06-Oct-21	1	Transect survey (AM)	1.332461005	103.782812	940	*Neurothemis fluctuans*	Common parasol	Odonata	5
06-Oct-21	1	Transect survey (AM)	1.332438961	103.782801	940	*Ypthima sp.*	Ring sp.	Butterfly	1
06-Oct-21	1	Transect survey (AM)	1.332178032	103.783221	943	*Neurothemis fluctuans*	Common parasol	Odonata	7
06-Oct-21	1	Transect survey (AM)	1.331851976	103.783225	945	*Appias libythea olferna*	Striped albatross	Butterfly	1
06-Oct-21	1	Transect survey (AM)	1.331851976	103.783225	945	*Pantala flavescens*	Wandering glider	Odonata	3
06-Oct-21	1	Transect survey (AM)	1.331851976	103.783225	945	*Neurothemis fluctuans*	Common parasol	Odonata	4
06-Oct-21	1	Transect survey (AM)	1.331722979	103.782977	946	*Orthetrum sabina*	Variegated green skimmer	Odonata	2
06-Oct-21	1	Transect survey (AM)	1.331722979	103.782977	947	*Ypthima baldus newboldi*	Common five-ring	Butterfly	2
06-Oct-21	1	Transect survey (AM)	1.331722979	103.782977	947	*Eurema sp.*	Grass yellow sp.	Butterfly	1
06-Oct-21	1	Transect survey (AM)	1.331644021	103.78277	949	*Eurema hecabe contubernalis*	Common grass yellow	Butterfly	2
06-Oct-21	1	Transect survey (AM)	1.331644021	103.78277	949	*Appias libythea olferna*	Striped albatross	Butterfly	1
06-Oct-21	1	Transect survey (AM)	1.33173597	103.782564	952	*Diplacodes nebulosa*	Black-tipped percher	Odonata	2
06-Oct-21	1	Transect survey (AM)	1.33173597	103.782564	952	*Brachydiplax chalybea*	Blue dasher	Odonata	1
06-Oct-21	1	Transect survey (AM)	1.33173597	103.782564	952	*Rhyothemis triangularis*	Sapphire flutterer	Odonata	2
06-Oct-21	1	Transect survey (AM)	1.33173597	103.782564	952	*Neurothemis fluctuans*	Common parasol	Odonata	12
06-Oct-21	1	Transect survey (AM)	1.33173597	103.782564	953	*Acisoma panorpoides*	Trumpet tail	Odonata	1
06-Oct-21	1	Transect survey (AM)	1.33173597	103.782564	953	*Camacinia gigantea*	Sultan	Odonata	1
06-Oct-21	1	Transect survey (AM)	1.33173597	103.782564	953	*Tramea transmarina*	Saddlebag glider	Odonata	1
06-Oct-21	1	Transect survey (AM)	1.33173597	103.782564	953	*Pantala flavescens*	Wandering glider	Odonata	1
06-Oct-21	1	Aquatic point count (AM	1.331678974	103.782349	956-1001	*Diplacodes nebulosa*	Black-tipped percher	Odonata	4
06-Oct-21	1	Aquatic point count (AM	1.331678974	103.782349	956-1001	*Tramea transmarina*	Saddlebag glider	Odonata	2
06-Oct-21	1	Aquatic point count (AM	1.331678974	103.782349	956-1001	*Neurothemis fluctuans*	Common parasol	Odonata	5
06-Oct-21	1	Aquatic point count (AM	1.331678974	103.782349	956-1001	*Acisoma panorpoides*	Trumpet tail	Odonata	2
06-Oct-21	1	Aquatic point count (AM	1.331678974	103.782349	956-1001	*Poecilia reticulata*	Guppy	Fish	4
06-Oct-21	1	Aquatic point count (AM	1.331678974	103.782349	956-1001	*Lestes praemorsus*	Crenulated spreadwing	Odonata	3
06-Oct-21	1	Aquatic point count (AM	1.331678974	103.782349	956-1001	*Rhyothemis triangularis*	Sapphire flutterer	Odonata	2
06-Oct-21	1	Transect survey (AM)	1.331731025	103.782039	1011	*Brachydiplax chalybea*	Blue dasher	Odonata	1
06-Oct-21	1	Transect survey (AM)	1.331731025	103.782039	1011	*Ceriagrion cerinorubellum*	Ornate coraltail	Odonata	1

06-Oct-21	1	Transect survey (AM)	1.331731025	103.782039	1011	*Camacinia gigantea*	Sultan	Odonata	2
06-Oct-21	1	Transect survey (AM)	1.331731025	103.782039	1011	*Neurothemis fluctuans*	Common parasol	Odonata	3
06-Oct-21	1	Transect survey (AM)	1.331655001	103.781808	1012	*Hypolycaena erylus teatus*	Common tit	Butterfly	1
06-Oct-21	1	Transect survey (AM)	1.331655001	103.781808	1012	*Catopsilia pomona pomona*	Lemon emigrant	Butterfly	1
06-Oct-21	1	Transect survey (AM)	1.33097196	103.781776	1016	*Neurothemis fluctuans*	Common parasol	Odonata	1
06-Oct-21	1	Transect survey (AM)	1.330816979	103.781779	1016	*Agrionoptera insignis*	Grenadier	Odonata	1
06-Oct-21	1	Transect survey (AM)	1.330610029	103.781805	1017	*Agrionoptera insignis*	Grenadier	Odonata	1
06-Oct-21	1	Transect survey (AM)	1.330610029	103.781805	1017	*Eurema sp.*	Grass yellow sp.	Butterfly	1
06-Oct-21	1	Transect survey (AM)	1.328142984	103.782523	1048	*Agrionoptera insignis*	Grenadier	Odonata	2
06-Oct-21	1	Transect survey (AM)	1.328142984	103.782523	1048	*Neurothemis fluctuans*	Common parasol	Odonata	9
06-Oct-21	1	Transect survey (AM)	1.328142984	103.782523	1048	*Nesoxenia lineata*	Striped grenadier	Odonata	1
06-Oct-21	1	Transect survey (AM)	1.328142984	103.782523	1049	*Neptis sp.*	#N/A	Butterfly	1
06-Oct-21	1	Transect survey (AM)	1.32810602	103.782622	1050	*Agrionoptera insignis*	Grenadier	Odonata	2
06-Oct-21	1	Transect survey (AM)	1.32810602	103.782622	1050	*Brachydiplax chalybea*	Blue dasher	Odonata	4
06-Oct-21	1	Transect survey (AM)	1.32810602	103.782622	1050	*Orthetrum chrysis*	Spine-tufted skimmer	Odonata	2
06-Oct-21	1	Transect survey (AM)	1.328076012	103.782945	1056	*Junonia hedonia ida*	Chocolate pansy	Butterfly	2
06-Oct-21	1	Transect survey (AM)	1.328076012	103.782945	1056	*Agrionoptera insignis*	Grenadier	Odonata	1
06-Oct-21	1	Transect survey (AM)	1.328076012	103.782945	1056	*Eurema sp.*	Grass yellow sp.	Butterfly	1
06-Oct-21	1	Transect survey (AM)	1.328076012	103.782945	1056	*Ypthima sp.*	Ring sp.	Butterfly	1
06-Oct-21	1	Transect survey (AM)	1.328074001	103.782989	1056	*Neurothemis fluctuans*	Common parasol	Odonata	3
06-Oct-21	1	Transect survey (AM)	1.328123035	103.783098	1056	*Mycalesis perseus cepheus*	Dingy bush brown	Butterfly	1
06-Oct-21	1	Transect survey (AM)	1.328115994	103.783133	1056	*Potanthus omaha omaha*	Lesser dart	Butterfly	1
06-Oct-21	1	Transect survey (AM)	1.328115994	103.783133	1102	*Orthetrum chrysis*	Spine-tufted skimmer	Odonata	1
06-Oct-21	1	Transect survey (AM)	1.328115994	103.783133	1102	*Lathrecista asiatica*	Scarlet grenadier	Odonata	1
06-Oct-21	1	Transect survey (AM)	1.328115994	103.783133	1102	*Neurothemis fluctuans*	Common parasol	Odonata	2
06-Oct-21	1	Transect survey (AM)	1.328121023	103.783239	1102	*Pelopidas mathias mathias*	Small branded swift	Butterfly	1
06-Oct-21	1	Transect survey (AM)	1.328064026	103.783593	1104	*Agrionoptera insignis*	Grenadier	Odonata	1
06-Oct-21	1	Transect survey (AM)	1.327889012	103.783797	1109	*Orthetrum chrysis*	Spine-tufted skimmer	Odonata	1
06-Oct-21	1	Transect survey (AM)	1.327889012	103.783797	1111	*Lathrecista asiatica*	Scarlet grenadier	Odonata	1
06-Oct-21	1	Transect survey (AM)	1.327889012	103.783797	1111	*Neurothemis fluctuans*	Common parasol	Odonata	1
06-Oct-21	1	Transect survey (AM)	1.327889012	103.783797	1111	*Agrionoptera insignis*	Grenadier	Odonata	2
06-Oct-21	1	Transect survey (AM)	1.327691032	103.78411	1121	*Iambrix salsala salsala*	Chestnut bob	Butterfly	1
06-Oct-21	1	Transect survey (AM)	1.327691032	103.78411	1122	*Orthetrum chrysis*	Spine-tufted skimmer	Odonata	1
06-Oct-21	1	Transect survey (AM)	1.327691032	103.78411	1122	*Potanthus omaha omaha*	Lesser dart	Butterfly	1
06-Oct-21	1	Transect survey (AM)	1.327691032	103.78411	1123	*Caltoris cormasa*	Full stop swift	Butterfly	1
06-Oct-21	1	Transect survey (AM)	1.327602016	103.784257	1125	*Gynacantha sp.*	Duskhawker sp.	Odonata	1
06-Oct-21	1	Transect survey (AM)	1.327666976	103.784565	1127	*Potanthus omaha omaha*	Lesser dart	Butterfly	1
06-Oct-21	1	Transect survey (AM)	1.327734031	103.78472	1131	*Eurema sp.*	Grass yellow sp.	Butterfly	1
06-Oct-21	1	Transect survey (AM)	1.327734031	103.78472	1131	*Euchrysops cnejus cnejus*	Gram blue	Butterfly	50
06-Oct-21	1	Transect survey (AM)	1.327734031	103.78472	1131	*Pantala flavescens*	Wandering glider	Odonata	15
06-Oct-21	1	Transect survey (AM)	1.327734031	103.78472	1132	*Orthetrum glaucum*	Common blue skimmer	Odonata	1

06-Oct-21	1	Transect survey (AM)	1.327734031	103.78472	1135	*Acraea terpsicore*	Tawny coster	Butterfly	1
16-Oct-21	1	Transect survey (AM)	1.334229	103.781816	926	*Liostenogaster varipicta*	NA	Aculeata	1
16-Oct-21	1	Transect survey (AM)	1.332664015	103.782346	936	*Antepipona sp. nr. bipustulata*	NA	Aculeata	1
16-Oct-21	1	Transect survey (AM)	1.332435021	103.782813	938	*Xylocopa latipes*	Broad-handed carpenter bee	Aculeata	1
16-Oct-21	1	Transect survey (AM)	1.33208801	103.783259	941	*Apis cerana*	Eastern honey bee	Aculeata	3
16-Oct-21	1	Transect survey (AM)	1.331715016	103.783001	942	*Xylocopa latipes*	Broad-handed carpenter bee	Aculeata	2
16-Oct-21	1	Transect survey (AM)	1.331715016	103.783001	945	*Xylocopa flavonigrescens*	NA	Aculeata	1
16-Oct-21	1	Transect survey (AM)	1.331743011	103.782561	948	*Xylocopa latipes*	Broad-handed carpenter bee	Aculeata	1
16-Oct-21	1	Transect survey (AM)	1.331702024	103.782372	951	*Diplacodes nebulosa*	Black-tipped percher	Odonata	1
16-Oct-21	1	Transect survey (AM)	1.33167604	103.782171	952	*Apis cerana*	Eastern honey bee	Aculeata	1
16-Oct-21	1	Transect survey (AM)	1.329015037	103.78216	1011	*Ropalidia sumatrae*	NA	Aculeata	1
16-Oct-21	1	Transect survey (AM)	1.328426963	103.782432	1016	*Liostenogaster varipicta*	NA	Aculeata	1
16-Oct-21	1	Transect survey (AM)	1.32815103	103.782496	1018	*Xylocopa latipes*	Broad-handed carpenter bee	Aculeata	1
16-Oct-21	1	Transect survey (AM)	1.328125969	103.782543	1019	*Ropalidia sumatrae*	NA	Aculeata	1
16-Oct-21	1	Transect survey (AM)	1.328099985	103.782559	1021	*Ceriagrion cerinorubellum*	Ornate coraltail	Odonata	1
16-Oct-21	1	Transect survey (AM)	1.328103002	103.782646	1023	*Thyreus ceylonicus*	NA	Aculeata	1
16-Oct-21	1	Transect survey (AM)	1.328069977	103.783591	1031	*Xylocopa latipes*	Broad-handed carpenter bee	Aculeata	1
16-Oct-21	1	Transect survey (AM)	1.327626994	103.784158	1038	*Ypthima sp.*	Ring sp.	Butterfly	2
27-Oct-21	2	Transect survey (AM)	1.327707041	103.784741	924	*Pantala flavescens*	Wandering glider	Odonata	15
27-Oct-21	2	Transect survey (AM)	1.327660019	103.784087	932	*Lathrecista asiatica*	Scarlet grenadier	Odonata	1
27-Oct-21	2	Transect survey (AM)	1.328035025	103.783541	938	*Neurothemis fluctuans*	Common parasol	Odonata	2
27-Oct-21	2	Transect survey (AM)	1.328051034	103.783415	940	*Lathrecista asiatica*	Scarlet grenadier	Odonata	1
27-Oct-21	2	Transect survey (AM)	1.328108031	103.78314	942	*Parischnogaster mellyi*	NA	Aculeata	1
27-Oct-21	2	Transect survey (AM)	1.328108031	103.78314	942	*Apis cerana*	Eastern honey bee	Aculeata	1
27-Oct-21	2	Transect survey (AM)	1.328108031	103.78314	942	*Orthetrum glaucum*	Common blue skimmer	Odonata	1
27-Oct-21	2	Transect survey (AM)	1.32809001	103.782891	946	*Apis cerana*	Eastern honey bee	Aculeata	3
27-Oct-21	2	Transect survey (AM)	1.328098979	103.782677	948	*Neurothemis fluctuans*	Common parasol	Odonata	1
27-Oct-21	2	Transect survey (AM)	1.328098979	103.782677	948	*Apis cerana*	Eastern honey bee	Aculeata	1
27-Oct-21	2	Transect survey (AM)	1.328208027	103.782461	951	*Neurothemis fluctuans*	Common parasol	Odonata	6
27-Oct-21	2	Transect survey (AM)	1.328208027	103.782461	951	*Ceriagrion cerinorubellum*	Ornate coraltail	Odonata	2
27-Oct-21	2	Transect survey (AM)	1.328208027	103.782461	951	*Apis florea*	NA	Aculeata	1
27-Oct-21	2	Transect survey (AM)	1.328796018	103.782209	959	*Tholymis tillarga*	White-barred duskhawk	Odonata	1
27-Oct-21	2	Transect survey (AM)	1.331805959	103.782015	1011	*Xylocopa latipes*	Broad-handed carpenter bee	Aculeata	1
27-Oct-21	2	Transect survey (AM)	1.331805959	103.782015	1011	*Neurothemis fluctuans*	Common parasol	Odonata	5
27-Oct-21	2	Transect survey (AM)	1.331805959	103.782015	1011	*Orthetrum sabina*	Variegated green skimmer	Odonata	1
27-Oct-21	2	Transect survey (AM)	1.331805959	103.782015	1011	*Lestes praemorsus*	Crenulated spreadwing	Odonata	1
27-Oct-21	2	Transect survey (AM)	1.331805959	103.782015	1011	*Ceriagrion cerinorubellum*	Ornate coraltail	Odonata	1
27-Oct-21	2	Transect survey (AM)	1.331805959	103.782015	1011	*Camacinia gigantea*	Sultan	Odonata	1
27-Oct-21	2	Aquatic point count (AM	1.331678974	103.782349	1022-27	*Diplacodes nebulosa*	Black-tipped percher	Odonata	2
27-Oct-21	2	Aquatic point count (AM	1.331678974	103.782349	1022-27	*Neurothemis fluctuans*	Common parasol	Odonata	2
27-Oct-21	2	Aquatic point count (AM	1.331678974	103.782349	1022-27	*Ceriagrion cerinorubellum*	Ornate coraltail	Odonata	1

27-Oct-21	2	Aquatic point count (AM	1.331678974	103.782349	1022-27	*Lestes praemorsus*	Crenulated spreadwing	Odonata	2
27-Oct-21	2	Aquatic point count (AM	1.331678974	103.782349	1022-27	*Aethriamanta gracilis*	Pond adjudant	Odonata	1
27-Oct-21	2	Transect survey (AM)	1.331756003	103.782557	1030	*Neurothemis fluctuans*	Common parasol	Odonata	2
27-Oct-21	2	Transect survey (AM)	1.331739994	103.783123	1032	*Xylocopa latipes*	Broad-handed carpenter bee	Aculeata	1
27-Oct-21	2	Transect survey (AM)	1.331978962	103.783275	1033	*Neurothemis fluctuans*	Common parasol	Odonata	1
27-Oct-21	2	Transect survey (AM)	1.333460966	103.781766	1041	*Orthetrum chrysis*	Spine-tufted skimmer	Odonata	1
27-Oct-21	2	Transect survey (AM)	1.33456503	103.782516	1057	*Stenodyneriellus guttulatus*	NA	Aculeata	2
27-Oct-21	2	Transect survey (AM)	1.334882	103.782898	1059	*Amegilla andrewsi*	Andrew's blue-banded digger bee	Aculeata	1
27-Oct-21	2	Transect survey (AM)	1.335341027	103.782659	1102	*Camacinia gigantea*	Sultan	Odonata	1
27-Oct-21	2	Aquatic point count (AM	1.335174913	103.7824223	1104-1109	*Camacinia gigantea*	Sultan	Odonata	6
27-Oct-21	2	Aquatic point count (AM	1.335174913	103.7824223	1104-1109	*Brachydiplax chalybea*	Blue dasher	Odonata	1
27-Oct-21	2	Aquatic point count (AM	1.335174913	103.7824223	1104-1109	*Rhyothemis triangularis*	Sapphire flutterer	Odonata	1
27-Oct-21	2	Aquatic point count (AM	1.335174913	103.7824223	1104-1109	*Tramea transmarina*	Saddlebag glider	Odonata	1
27-Oct-21	2	Aquatic point count (AM	1.335174913	103.7824223	1104-1109	*Agriocnemis femina*	Variable wisp	Odonata	1
27-Oct-21	2	Aquatic point count (AM	1.335174913	103.7824223	1104-1109	*Rhyothemis phyllis*	Yellow-barred flutterer	Odonata	1
27-Oct-21	2	Aquatic point count (AM	1.335174913	103.7824223	1104-1109	*Pseudagrion microcephalum*	Blue sprite	Odonata	1
27-Oct-21	2	Aquatic point count (AM	1.335174913	103.7824223	1104-1109	*Acisoma panorpoides*	Trumpet tail	Odonata	1
27-Oct-21	2	Aquatic point count (AM	1.335174913	103.7824223	1104-1109	*Crocothemis servilia*	Common scarlet	Odonata	1
30-Oct-21	2	Transect survey (AM)	1.327507971	103.784785	854	*Euchrysops cnejus cnejus*	Gram blue	Butterfly	50
30-Oct-21	2	Transect survey (AM)	1.327621965	103.78416	900	*Mycalesis perseoides perseoides*	Burmese bush brown	Butterfly	1
30-Oct-21	2	Transect survey (AM)	1.327798991	103.78394	902	*Eurema sp.*	Grass yellow sp.	Butterfly	1
30-Oct-21	2	Transect survey (AM)	1.328077018	103.783576	906	*Iambrix salsala salsala*	Chestnut bob	Butterfly	1
30-Oct-21	2	Transect survey (AM)	1.328103002	103.783163	910	*Eurema sp.*	Grass yellow sp.	Butterfly	1
30-Oct-21	2	Transect survey (AM)	1.328104008	103.78304	912	*Junonia hedonia ida*	Chocolate pansy	Butterfly	1
30-Oct-21	2	Transect survey (AM)	1.328104008	103.78304	912	*Pelopidas mathias mathias*	Small branded swift	Butterfly	1
30-Oct-21	2	Transect survey (AM)	1.328104008	103.78304	912	*Potanthus omaha omaha*	Lesser dart	Butterfly	2
30-Oct-21	2	Transect survey (AM)	1.328105014	103.782825	915	*Polytremis lubricans lubricans*	Contiguous swift	Butterfly	1
30-Oct-21	2	Transect survey (AM)	1.328096967	103.782658	917	*Zizula hylax pygmaea*	Pygmy grass blue	Butterfly	1
30-Oct-21	2	Transect survey (AM)	1.32814399	103.782629	919	*Mycalesis visala phamis*	Long brand bush brown	Butterfly	1
30-Oct-21	2	Transect survey (AM)	1.328214984	103.782457	921	*Eurema sp.*	Grass yellow sp.	Butterfly	1
30-Oct-21	2	Transect survey (AM)	1.328214984	103.782457	921	*Ypthima horsfieldii humei*	Malayan five-ring	Butterfly	2
30-Oct-21	2	Transect survey (AM)	1.328214984	103.782457	921	*Ypthima sp.*	Ring sp.	Butterfly	1
30-Oct-21	2	Transect survey (AM)	1.330059003	103.781696	934	*Ypthima sp.*	Ring sp.	Butterfly	1
30-Oct-21	2	Transect survey (AM)	1.330688987	103.781788	935	*Eurema sp.*	Grass yellow sp.	Butterfly	2
30-Oct-21	2	Transect survey (AM)	1.331069022	103.78177	936	*Ypthima sp.*	Ring sp.	Butterfly	2
30-Oct-21	2	Transect survey (AM)	1.331069022	103.78177	936	*Ypthima horsfieldii humei*	Malayan five-ring	Butterfly	1
30-Oct-21	2	Transect survey (AM)	1.331767989	103.782554	946	*Diplacodes nebulosa*	Black-tipped percher	Odonata	1
30-Oct-21	2	Transect survey (AM)	1.332501993	103.782712	953	*Ypthima sp.*	Ring sp.	Butterfly	2
30-Oct-21	2	Transect survey (AM)	1.333083026	103.781886	955	*Ypthima horsfieldii humei*	Malayan five-ring	Butterfly	1
30-Oct-21	2	Transect survey (AM)	1.333471024	103.781801	958	*Ypthima sp.*	Ring sp.	Butterfly	1
30-Oct-21	2	Transect survey (AM)	1.333471024	103.781801	958	*Ypthima horsfieldii humei*	Malayan five-ring	Butterfly	1

08-Nov-21	2	Transect survey (AM)	1.327676028	103.78457	713	*Aplonis panayensis*	Asian glossy starling	Bird	5
08-Nov-21	2	Transect survey (AM)	1.327647027	103.784514	714	*Psittacula alexandri*	Red-breasted parakeet	Bird	1
08-Nov-21	2	Transect survey (AM)	1.327647027	103.784514	714	*Garrulax leucolophus*	White-crested laughingthrush	Bird	3
08-Nov-21	2	Transect survey (AM)	1.327647027	103.784514	714	*Muscicapa dauurica*	Asian brown flycatcher	Bird	1
08-Nov-21	2	Transect survey (AM)	1.327647027	103.784514	714	*Psittacula krameri*	Rose-ringed parakeet	Bird	1
08-Nov-21	2	Transect survey (AM)	1.327513	103.784347	715	*Psittacula alexandri*	Red-breasted parakeet	Bird	1
08-Nov-21	2	Transect survey (AM)	1.327513	103.784347	716	*Psilopogon lineatus*	Lineated barbet	Bird	1
08-Nov-21	2	Transect survey (AM)	1.327513	103.784347	716	*Spilopelia chinensis*	Spotted dove	Bird	1
08-Nov-21	2	Transect survey (AM)	1.327513	103.784347	716	*Eudynamys scolopaceus*	Asian koel	Bird	1
08-Nov-21	2	Transect survey (AM)	1.327589024	103.784199	718	*Merops sp.*	Bee-eater sp.	Bird	1
08-Nov-21	2	Transect survey (AM)	1.32759003	103.784135	719	*Picus vittatus*	Laced woodpecker	Bird	1
08-Nov-21	2	Transect survey (AM)	1.327628	103.784089	719	*Psittacula longicauda*	Long-tailed parakeet	Bird	3
08-Nov-21	2	Transect survey (AM)	1.327756997	103.783804	723	*Picus vittatus*	Laced woodpecker	Bird	1
08-Nov-21	2	Transect survey (AM)	1.327756997	103.783804	723	*Treron vernans*	Pink-necked green pigeon	Bird	1
08-Nov-21	2	Transect survey (AM)	1.327756997	103.783804	723	*Spilopelia chinensis*	Spotted dove	Bird	1
08-Nov-21	2	Transect survey (AM)	1.327756997	103.783804	723	*Gallus gallus*	Red junglefowl	Bird	1
08-Nov-21	2	Transect survey (AM)	1.327756997	103.783804	723	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	3
08-Nov-21	2	Transect survey (AM)	1.327961013	103.783719	724	*Dicaeum cruentatum*	Scarlet-backed flowerpecker	Bird	1
08-Nov-21	2	Transect survey (AM)	1.327961013	103.783719	724	*Acridotheres javanicus*	Javan myna	Bird	2
08-Nov-21	2	Transect survey (AM)	1.327961013	103.783719	724	*Halcyon smyrnensis*	White-throated kingfisher	Bird	1
08-Nov-21	2	Transect survey (AM)	1.32805598	103.783596	726	*Spilopelia chinensis*	Spotted dove	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328051034	103.783583	728	*Aegithina tiphia*	Common iora	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328051034	103.783583	728	*Psilopogon lineatus*	Lineated barbet	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328051034	103.783583	728	*Pycnonotus jocosus*	Red-whiskered bulbul	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328051034	103.783583	728	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328020021	103.783508	730	*Cinnyris jugularis*	Olive-backed sunbird	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328020021	103.783508	730	*Rhipidura javanica*	Malaysian pied fantail	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328060003	103.783332	731	*Dicaeum cruentatum*	Scarlet-backed flowerpecker	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328060003	103.783332	731	*Aerodramus sp.*	Swiftlet sp.	Bird	5
08-Nov-21	2	Transect survey (AM)	1.328060003	103.783332	731	*Acridotheres javanicus*	Javan myna	Bird	3
08-Nov-21	2	Transect survey (AM)	1.328060003	103.783332	731	*Cinnyris jugularis*	Olive-backed sunbird	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328060003	103.783332	732	*Psittacula alexandri*	Red-breasted parakeet	Bird	3
08-Nov-21	2	Transect survey (AM)	1.328060003	103.783332	732	*Cinnyris jugularis*	Olive-backed sunbird	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328114988	103.783224	734	*Phylloscopus borealis*	Arctic warbler	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328134015	103.783072	735	*Pycnonotus zeylanicus*	Straw-headed bulbul	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328134015	103.783072	735	*Chalcophaps indica*	Common emerald dove	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328085987	103.782988	737	*Pericrocotus divaricatus*	Ashy minivet	Bird	3
08-Nov-21	2	Transect survey (AM)	1.328070983	103.782831	739	*Psilopogon lineatus*	Lineated barbet	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328047011	103.782744	740	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	2
08-Nov-21	2	Transect survey (AM)	1.328047011	103.782744	740	*Psittacula alexandri*	Red-breasted parakeet	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328047011	103.782744	740	*Spilopelia chinensis*	Spotted dove	Bird	1

08-Nov-21	2	Transect survey (AM)	1.328047011	103.782744	740	*Duttaphrynus melanostictus*	Asian toad	Amphibian	2
08-Nov-21	2	Transect survey (AM)	1.328047011	103.782744	740	*Acridotheres javanicus*	Javan myna	Bird	5
08-Nov-21	2	Transect survey (AM)	1.328047011	103.782744	740	*Psittacula longicauda*	Long-tailed parakeet	Bird	2
08-Nov-21	2	Transect survey (AM)	1.328047011	103.782744	740	*Oriolus chinensis*	Black-naped oriole	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328047011	103.782744	741	*Pericrocotus divaricatus*	Ashy minivet	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328047011	103.782744	741	*Psittacula alexandri*	Red-breasted parakeet	Bird	2
08-Nov-21	2	Transect survey (AM)	1.328047011	103.782744	741	*Chrysophlegma miniaceum*	Banded woodpecker	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328047011	103.782744	742	*Pycnonotus zeylanicus*	Straw-headed bulbul	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328067966	103.782663	743	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328146001	103.782437	747	*Centropus sinensis*	Greater coucal	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328146001	103.782437	747	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	2
08-Nov-21	2	Transect survey (AM)	1.328146001	103.782437	747	*Garrulax leucolophus*	White-crested laughingthrush	Bird	3
08-Nov-21	2	Transect survey (AM)	1.328146001	103.782437	747	*Acridotheres javanicus*	Javan myna	Bird	5
08-Nov-21	2	Transect survey (AM)	1.328438027	103.782385	751	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328438027	103.782385	751	*Acridotheres javanicus*	Javan myna	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328438027	103.782385	751	*Spilopelia chinensis*	Spotted dove	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328602983	103.782293	754	*Psittacula alexandri*	Red-breasted parakeet	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328602983	103.782293	754	*Geopelia striata*	Zebra dove	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328602983	103.782293	754	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328602983	103.782293	754	*Acridotheres javanicus*	Javan myna	Bird	5
08-Nov-21	2	Transect survey (AM)	1.32864397	103.78226	755	*Loriculus galgulus*	Blue-crowned hanging-parrot	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328762993	103.782199	755	*Merops sp.*	Bee-eater sp.	Bird	2
08-Nov-21	2	Transect survey (AM)	1.328804987	103.782229	757	*Loriculus galgulus*	Blue-crowned hanging-parrot	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328804987	103.782229	757	*Chrysophlegma miniaceum*	Banded woodpecker	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328804987	103.782229	757	*Psittacula krameri*	Rose-ringed parakeet	Bird	3
08-Nov-21	2	Transect survey (AM)	1.328929961	103.782201	758	*Psilopogon lineatus*	Lineated barbet	Bird	1
08-Nov-21	2	Transect survey (AM)	1.328929961	103.782201	759	*Acridotheres javanicus*	Javan myna	Bird	5
08-Nov-21	2	Transect survey (AM)	1.328956028	103.782071	800	*Picus vittatus*	Laced woodpecker	Bird	1
08-Nov-21	2	Transect survey (AM)	1.329207988	103.782029	803	*Orthotomus sutorius*	Common tailorbird	Bird	1
08-Nov-21	2	Transect survey (AM)	1.329276972	103.782008	804	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	1
08-Nov-21	2	Transect survey (AM)	1.329276972	103.782008	804	*Psittacula krameri*	Rose-ringed parakeet	Bird	2
08-Nov-21	2	Transect survey (AM)	1.329372022	103.782023	804	*Halcyon smyrnensis*	White-throated kingfisher	Bird	1
08-Nov-21	2	Transect survey (AM)	1.329619037	103.781889	808	*Callosciurus notatus*	Plantain squirrel	Mammal	1
08-Nov-21	2	Transect survey (AM)	1.329619037	103.781889	808	*Gallus gallus*	Red junglefowl	Bird	1
08-Nov-21	2	Transect survey (AM)	1.329619037	103.781889	808	*Acridotheres javanicus*	Javan myna	Bird	5
08-Nov-21	2	Transect survey (AM)	1.329619037	103.781889	808	*Picus vittatus*	Laced woodpecker	Bird	1
08-Nov-21	2	Transect survey (AM)	1.329619037	103.781889	808	*Psittacula longicauda*	Long-tailed parakeet	Bird	1
08-Nov-21	2	Transect survey (AM)	1.329849036	103.781883	811	*Psittacula longicauda*	Long-tailed parakeet	Bird	2
08-Nov-21	2	Transect survey (AM)	1.329849036	103.781883	811	*Spilopelia chinensis*	Spotted dove	Bird	2
08-Nov-21	2	Transect survey (AM)	1.329849036	103.781883	811	*Eurystomus orientalis*	Oriental dollarbird	Bird	1
08-Nov-21	2	Transect survey (AM)	1.329849036	103.781883	811	*Pycnonotus zeylanicus*	Straw-headed bulbul	Bird	3

08-Nov-21	2	Transect survey (AM)	1.329849036	103.781883	811	*Orthotomus ruficeps*	Ashy tailorbird	Bird	1
08-Nov-21	2	Transect survey (AM)	1.329849036	103.781883	811	*Oriolus chinensis*	Black-naped oriole	Bird	1
08-Nov-21	2	Transect survey (AM)	1.329849036	103.781883	811	*Aplonis panayensis*	Asian glossy starling	Bird	5
08-Nov-21	2	Transect survey (AM)	1.329848031	103.781906	814	*Callosciurus notatus*	Plantain squirrel	Mammal	1
08-Nov-21	2	Transect survey (AM)	1.329848031	103.781906	814	*Garrulax leucolophus*	White-crested laughingthrush	Bird	3
08-Nov-21	2	Transect survey (AM)	1.329848031	103.781906	814	*Spilopelia chinensis*	Spotted dove	Bird	1
08-Nov-21	2	Transect survey (AM)	1.329848031	103.781906	814	*Pycnonotus jocosus*	Red-whiskered bulbul	Bird	1
08-Nov-21	2	Transect survey (AM)	1.329848031	103.781906	814	*Dinopium javanense*	Common flameback	Bird	1
08-Nov-21	2	Transect survey (AM)	1.329848031	103.781906	814	*Psilopogon lineatus*	Lineated barbet	Bird	1
08-Nov-21	2	Transect survey (AM)	1.329848031	103.781906	814	*Cacatua sp.*	Cockatoo sp.	Bird	1
08-Nov-21	2	Transect survey (AM)	1.330056991	103.781941	818	*Psittacula alexandri*	Red-breasted parakeet	Bird	6
08-Nov-21	2	Transect survey (AM)	1.330172997	103.78194	819	*Loriculus galgulus*	Blue-crowned hanging-parrot	Bird	1
08-Nov-21	2	Transect survey (AM)	1.330172997	103.78194	820	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
08-Nov-21	2	Transect survey (AM)	1.330295959	103.781971	821	*Varanus nebulosus*	Clouded monitor	Reptile	1
08-Nov-21	2	Transect survey (AM)	1.330295959	103.781971	822	*Zosterops simplex*	Swinhoe's white-eye	Bird	3
08-Nov-21	2	Transect survey (AM)	1.330295959	103.781971	822	*Psilopogon lineatus*	Lineated barbet	Bird	1
08-Nov-21	2	Transect survey (AM)	1.330295959	103.781971	822	*Dicaeum cruentatum*	Scarlet-backed flowerpecker	Bird	1
08-Nov-21	2	Transect survey (AM)	1.330295959	103.781971	822	*Acridotheres javanicus*	Javan myna	Bird	3
08-Nov-21	2	Transect survey (AM)	1.330487989	103.781949	824	*Garrulax leucolophus*	White-crested laughingthrush	Bird	3
08-Nov-21	2	Transect survey (AM)	1.330696028	103.781942	826	*Spilopelia chinensis*	Spotted dove	Bird	1
08-Nov-21	2	Transect survey (AM)	1.330839023	103.781985	828	*Zosterops simplex*	Swinhoe's white-eye	Bird	5
08-Nov-21	2	Transect survey (AM)	1.331018982	103.782004	832	*Varanus nebulosus*	Clouded monitor	Reptile	2
08-Nov-21	2	Transect survey (AM)	1.331018982	103.782004	832	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	1
08-Nov-21	2	Transect survey (AM)	1.331018982	103.782004	832	*Gallus gallus*	Red junglefowl	Bird	1
08-Nov-21	2	Transect survey (AM)	1.331276977	103.782068	835	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
08-Nov-21	2	Transect survey (AM)	1.331276977	103.782068	835	*Psittacula alexandri*	Red-breasted parakeet	Bird	2
08-Nov-21	2	Transect survey (AM)	1.331276977	103.782068	835	*Halcyon smyrnensis*	White-throated kingfisher	Bird	1
08-Nov-21	2	Transect survey (AM)	1.331276977	103.782068	835	*Dinopium javanense*	Common flameback	Bird	1
08-Nov-21	2	Transect survey (AM)	1.331276977	103.782068	835	*Zosterops simplex*	Swinhoe's white-eye	Bird	3
08-Nov-21	2	Transect survey (AM)	1.331522986	103.782095	837	*Cacatua sp.*	Cockatoo sp.	Bird	3
08-Nov-21	2	Transect survey (AM)	1.331745023	103.783158	838	*Treron vernans*	Pink-necked green pigeon	Bird	3
08-Nov-21	2	Transect survey (AM)	1.331745023	103.783158	838	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	3
08-Nov-21	2	Transect survey (AM)	1.331745023	103.783158	838	*Aplonis panayensis*	Asian glossy starling	Bird	3
08-Nov-21	2	Transect survey (AM)	1.331745023	103.783158	838	*Dinopium javanense*	Common flameback	Bird	1
08-Nov-21	2	Transect survey (AM)	1.331745023	103.783158	839	*Psilopogon lineatus*	Lineated barbet	Bird	1
08-Nov-21	2	Transect survey (AM)	1.331745023	103.783158	839	*Bubulcus coromandus*	Eastern cattle egret	Bird	5
08-Nov-21	2	Transect survey (AM)	1.331745023	103.783158	840	*Aerodramus sp.*	Swiftlet sp.	Bird	20
08-Nov-21	2	Transect survey (AM)	1.331745023	103.783158	840	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	1
08-Nov-21	2	Aquatic point count (AM	1.331678974	103.782349	841-846	*Microhyla heymonsi*	Dark-sided chorus frog	Amphibian	2
08-Nov-21	2	Aquatic point count (AM	1.331678974	103.782349	841-846	*Microhyla sp.*	Chorus frog sp.	Amphibian	1
08-Nov-21	2	Aquatic point count (AM	1.331678974	103.782349	841-846	*Microhyla butleri*	Painted chorus frog	Amphibian	1

08-Nov-21	2	Aquatic point count (AM	1.331678974	103.782349	841-846	*Chrysophlegma miniaceum*	Banded woodpecker	Bird	1
08-Nov-21	2	Aquatic point count (AM	1.331678974	103.782349	841-846	*Ardeola sp.*	#N/A	Bird	1
08-Nov-21	2	Aquatic point count (AM	1.331678974	103.782349	841-846	*Cacatua goffiniana*	Tanimbar corella	Bird	2
08-Nov-21	2	Transect survey (AM)	1.332705002	103.782393	848	*Vanellus indicus*	Red-wattled lapwing	Bird	1
08-Nov-21	2	Transect survey (AM)	1.332705002	103.782393	850	*Muscicapa dauurica*	Asian brown flycatcher	Bird	1
08-Nov-21	2	Transect survey (AM)	1.332705002	103.782393	850	*Psittacula krameri*	Rose-ringed parakeet	Bird	3
08-Nov-21	2	Transect survey (AM)	1.332705002	103.782393	850	*Psilopogon lineatus*	Lineated barbet	Bird	1
08-Nov-21	2	Transect survey (AM)	1.332705002	103.782393	855	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
08-Nov-21	2	Transect survey (AM)	1.332830982	103.782049	855	*Pericrocotus divaricatus*	Ashy minivet	Bird	3
08-Nov-21	2	Transect survey (AM)	1.332965009	103.781887	856	*Picus vittatus*	Laced woodpecker	Bird	1
08-Nov-21	2	Transect survey (AM)	1.332965009	103.781887	856	*Psittacula longicauda*	Long-tailed parakeet	Bird	1
08-Nov-21	2	Transect survey (AM)	1.332965009	103.781887	856	*Aplonis panayensis*	Asian glossy starling	Bird	4
08-Nov-21	2	Transect survey (AM)	1.332965009	103.781887	856	*Loriculus galgulus*	Blue-crowned hanging-parrot	Bird	1
08-Nov-21	2	Transect survey (AM)	1.332965009	103.781887	856	*Oriolus chinensis*	Black-naped oriole	Bird	1
08-Nov-21	2	Transect survey (AM)	1.333171036	103.781852	858	*Callosciurus notatus*	Plantain squirrel	Mammal	1
08-Nov-21	2	Transect survey (AM)	1.333502037	103.781769	901	*Eutropis multifasciata*	Many-lined sun skink	Reptile	1
08-Nov-21	2	Transect survey (AM)	1.333502037	103.781769	901	*Psittacula longicauda*	Long-tailed parakeet	Bird	1
08-Nov-21	2	Transect survey (AM)	1.333502037	103.781769	901	*Cinnyris jugularis*	Olive-backed sunbird	Bird	1
08-Nov-21	2	Transect survey (AM)	1.333502037	103.781769	901	*Callosciurus notatus*	Plantain squirrel	Mammal	1
08-Nov-21	2	Transect survey (AM)	1.333502037	103.781769	901	*Dicaeum cruentatum*	Scarlet-backed flowerpecker	Bird	1
08-Nov-21	2	Transect survey (AM)	1.333655007	103.781797	904	*Lanius sp.*	Shrike sp.	Bird	1
08-Nov-21	2	Transect survey (AM)	1.333655007	103.781797	907	*Eleutherodactylus planirostris*	Greenhouse frog	Amphibian	3
08-Nov-21	2	Transect survey (AM)	1.333655007	103.781797	907	*Pycnonotus goiavier*	Yellow-vented bulbul	Bird	1
08-Nov-21	2	Transect survey (AM)	1.333655007	103.781797	907	*Aplonis panayensis*	Asian glossy starling	Bird	2
08-Nov-21	2	Transect survey (AM)	1.333655007	103.781797	907	*Corvus splendens*	House crow	Bird	1
08-Nov-21	2	Transect survey (AM)	1.333655007	103.781797	907	*Gallus gallus*	Red junglefowl	Bird	1
08-Nov-21	2	Transect survey (AM)	1.334006041	103.78172	908	*Zosterops simplex*	Swinhoe's white-eye	Bird	3
08-Nov-21	2	Transect survey (AM)	1.334006041	103.78172	908	*Caprimulgus macrurus*	Large-tailed nightjar	Bird	1
08-Nov-21	2	Transect survey (AM)	1.33445397	103.781992	916	*Eleutherodactylus planirostris*	Greenhouse frog	Amphibian	2
08-Nov-21	2	Transect survey (AM)	1.33445397	103.781992	916	*Aegithina tiphia*	Common iora	Bird	1
08-Nov-21	2	Transect survey (AM)	1.33445397	103.781992	916	*Muscicapa dauurica*	Asian brown flycatcher	Bird	1
08-Nov-21	2	Transect survey (AM)	1.33445397	103.781992	916	*Corvus splendens*	House crow	Bird	1
08-Nov-21	2	Transect survey (AM)	1.33445397	103.781992	916	*Psittacula alexandri*	Red-breasted parakeet	Bird	2
08-Nov-21	2	Aquatic point count (AM	1.335174913	103.7824223	922-937	*Microhyla butleri*	Painted chorus frog	Amphibian	1
08-Nov-21	2	Aquatic point count (AM	1.335174913	103.7824223	922-937	*Hylarana erythraea*	Green paddy frog	Amphibian	2
08-Nov-21	2	Aquatic point count (AM	1.335174913	103.7824223	922-937	*Phylloscopus borealis*	Arctic warbler	Bird	1
08-Nov-21	2	Aquatic point count (AM	1.335174913	103.7824223	922-937	*Psilopogon haemacephalus*	Coppersmith barbet	Bird	1
08-Nov-21	2	Aquatic point count (AM	1.335174913	103.7824223	922-937	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	2
08-Nov-21	2	Aquatic point count (AM	1.335174913	103.7824223	922-937	*Butorides striata*	Striated heron	Bird	1
01-Dec-21	2	Transect survey (PM)	1.327667981	103.784082	2002	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
01-Dec-21	2	Transect survey (PM)	1.327773007	103.784052	2004	*Eleutherodactylus planirostris*	Greenhouse frog	Amphibian	1

01-Dec-21	2	Transect survey (PM)	1.327822963	103.783838	2005	*Eurystomus orientalis*	Oriental dollarbird	Bird	1
01-Dec-21	2	Transect survey (PM)	1.327905022	103.78373	2007	*Eleutherodactylus planirostris*	Greenhouse frog	Amphibian	3
01-Dec-21	2	Transect survey (PM)	1.328060003	103.783547	2009	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
01-Dec-21	2	Transect survey (PM)	1.32812798	103.783208	2012	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
01-Dec-21	2	Transect survey (PM)	1.328084981	103.782919	2014	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
01-Dec-21	2	Transect survey (PM)	1.328141978	103.7828	2015	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	3
01-Dec-21	2	Transect survey (PM)	1.328141978	103.7828	2015	*Microhyla heymonsi*	Dark-sided chorus frog	Amphibian	3
01-Dec-21	2	Transect survey (PM)	1.328119012	103.782675	2017	*Limnonectes blythii*	Malayan giant frog	Amphibian	3
01-Dec-21	2	Transect survey (PM)	1.328119012	103.782675	2017	*Amaurornis phoenicurus*	White-breasted waterhen	Bird	1
01-Dec-21	2	Transect survey (PM)	1.328119012	103.782675	2017	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
01-Dec-21	2	Transect survey (PM)	1.328576999	103.782342	2027	*Phylloscopus borealis*	Arctic warbler	Bird	1
01-Dec-21	2	Transect survey (PM)	1.328576999	103.782342	2027	*Orthotomus sericeus*	Rufous-tailed tailorbird	Bird	1
01-Dec-21	2	Transect survey (PM)	1.329389038	103.782012	2036	*Microhyla butleri*	Painted chorus frog	Amphibian	10
01-Dec-21	2	Transect survey (PM)	1.329389038	103.782012	2036	*Microhyla mukhlesuri*	East Asian ornate chorus frog	Amphibian	1
01-Dec-21	2	Transect survey (PM)	1.329389038	103.782012	2036	*Eleutherodactylus planirostris*	Greenhouse frog	Amphibian	1
01-Dec-21	2	Transect survey (PM)	1.329389038	103.782012	2036	*Fejervarya limnocharis*	Field frog	Amphibian	1
01-Dec-21	2	Transect survey (PM)	1.329619037	103.781959	2041	*Microhyla butleri*	Painted chorus frog	Amphibian	5
01-Dec-21	2	Transect survey (PM)	1.330093034	103.781733	2045	*Eurystomus orientalis*	Oriental dollarbird	Bird	1
01-Dec-21	2	Transect survey (PM)	1.330333007	103.781758	2050	*Muscicapa dauurica*	Asian brown flycatcher	Bird	1
01-Dec-21	2	Transect survey (PM)	1.331195002	103.781777	2053	*Microhyla butleri*	Painted chorus frog	Amphibian	1
01-Dec-21	2	Transect survey (PM)	1.331469007	103.781843	2055	*Lanius cristatus*	Brown shrike	Bird	1
01-Dec-21	2	Transect survey (PM)	1.331469007	103.781843	2055	*Dendrelaphis pictus*	Painted bronzeback	Reptile	1
01-Dec-21	2	Transect survey (PM)	1.331686014	103.782071	2057	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
01-Dec-21	2	Transect survey (PM)	1.331686014	103.782071	2057	*Microhyla heymonsi*	Dark-sided chorus frog	Amphibian	2
01-Dec-21	2	Aquatic point count (PM	1.331678974	103.782349	2059-2104	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	4
01-Dec-21	2	Aquatic point count (PM	1.331678974	103.782349	2059-2104	*Microhyla butleri*	Painted chorus frog	Amphibian	20
01-Dec-21	2	Aquatic point count (PM	1.331678974	103.782349	2059-2104	*Microhyla heymonsi*	Dark-sided chorus frog	Amphibian	10
01-Dec-21	2	Aquatic point count (PM	1.331678974	103.782349	2059-2104	*Microhyla sp.*	Chorus frog sp.	Amphibian	60
01-Dec-21	2	Aquatic point count (PM	1.331678974	103.782349	2059-2104	*Hylarana erythraea*	Green paddy frog	Amphibian	3
01-Dec-21	2	Transect survey (PM)	1.331728008	103.782516	2106	*Lewinia striata*	Slaty-breasted rail	Bird	1
01-Dec-21	2	Transect survey (PM)	1.331728008	103.782516	2106	*Caprimulgus macrurus*	Large-tailed nightjar	Bird	1
01-Dec-21	2	Transect survey (PM)	1.331728008	103.782516	2106	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	5
01-Dec-21	2	Transect survey (PM)	1.331728008	103.782516	2106	*Fejervarya limnocharis*	Field frog	Amphibian	1
01-Dec-21	2	Transect survey (PM)	1.331728008	103.782516	2106	*Microhyla butleri*	Painted chorus frog	Amphibian	20
01-Dec-21	2	Transect survey (PM)	1.331728008	103.782516	2106	*Microhyla heymonsi*	Dark-sided chorus frog	Amphibian	10
01-Dec-21	2	Transect survey (PM)	1.331728008	103.782516	2106	*Hylarana erythraea*	Green paddy frog	Amphibian	2
01-Dec-21	2	Transect survey (PM)	1.331716022	103.783109	2110	*Caprimulgus affinis*	Savanna nightjar	Bird	1
01-Dec-21	2	Transect survey (PM)	1.331716022	103.783109	2110	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
01-Dec-21	2	Transect survey (PM)	1.331716022	103.783109	2110	*Caprimulgus macrurus*	Large-tailed nightjar	Bird	1
01-Dec-21	2	Transect survey (PM)	1.33305897	103.781848	2118	*Dendrelaphis pictus*	Painted bronzeback	Reptile	1
01-Dec-21	2	Transect survey (PM)	1.33305897	103.781848	2118	*Cynopterus brachyotis*	Lesser short-nosed fruit bat	Mammal	1

01-Dec-21	2	Transect survey (PM)	1.333194003	103.781816	2118	*Eleutherodactylus planirostris*	Greenhouse frog	Amphibian	3
01-Dec-21	2	Transect survey (PM)	1.333194003	103.781816	2118	*Microhyla butleri*	Painted chorus frog	Amphibian	2
01-Dec-21	2	Transect survey (PM)	1.333194003	103.781816	2118	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
01-Dec-21	2	Transect survey (PM)	1.333194003	103.781816	2118	*Eutropis multifasciata*	Many-lined sun skink	Reptile	1
01-Dec-21	2	Transect survey (PM)	1.333303973	103.781782	2120	*Microhyla butleri*	Painted chorus frog	Amphibian	10
01-Dec-21	2	Transect survey (PM)	1.333303973	103.781782	2120	*Eleutherodactylus planirostris*	Greenhouse frog	Amphibian	10
01-Dec-21	2	Transect survey (PM)	1.333303973	103.781782	2120	*Cynopterus brachyotis*	Lesser short-nosed fruit bat	Mammal	3
01-Dec-21	2	Transect survey (PM)	1.333562974	103.781759	2124	*Eleutherodactylus planirostris*	Greenhouse frog	Amphibian	3
01-Dec-21	2	Transect survey (PM)	1.333562974	103.781759	2124	*Microhyla butleri*	Painted chorus frog	Amphibian	5
01-Dec-21	2	Transect survey (PM)	1.333861034	103.781732	2127	*Eleutherodactylus planirostris*	Greenhouse frog	Amphibian	10
01-Dec-21	2	Transect survey (PM)	1.333861034	103.781732	2127	*Microhyla butleri*	Painted chorus frog	Amphibian	1
01-Dec-21	2	Transect survey (PM)	1.33404904	103.781922	2130	*Cynopterus brachyotis*	Lesser short-nosed fruit bat	Mammal	1
01-Dec-21	2	Transect survey (PM)	1.334208967	103.78186	2132	*Eleutherodactylus planirostris*	Greenhouse frog	Amphibian	3
01-Dec-21	2	Transect survey (PM)	1.334264036	103.781915	2134	*Rallina fasciata*	Red-legged crake	Bird	1
01-Dec-21	2	Transect survey (PM)	1.334264036	103.781915	2134	*Eleutherodactylus planirostris*	Greenhouse frog	Amphibian	2
01-Dec-21	2	Transect survey (PM)	1.334434021	103.782072	2143	*Limnonectes blythii*	Malayan giant frog	Amphibian	2
01-Dec-21	2	Transect survey (PM)	1.334434021	103.782072	2143	*Eleutherodactylus planirostris*	Greenhouse frog	Amphibian	1
01-Dec-21	2	Transect survey (PM)	1.334471991	103.782207	2146	*Microhyla butleri*	Painted chorus frog	Amphibian	2
01-Dec-21	2	Transect survey (PM)	1.334605012	103.782337	2148	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	1
01-Dec-21	2	Transect survey (PM)	1.334605012	103.782337	2148	*Microhyla butleri*	Painted chorus frog	Amphibian	1
01-Dec-21	2	Transect survey (PM)	1.334552038	103.782611	2151	*Eleutherodactylus planirostris*	Greenhouse frog	Amphibian	2
01-Dec-21	2	Transect survey (PM)	1.334552038	103.782611	2151	*Microhyla butleri*	Painted chorus frog	Amphibian	1
01-Dec-21	2	Aquatic point count (PM	1.335174913	103.7824223	2156-2201	*Microhyla butleri*	Painted chorus frog	Amphibian	30
01-Dec-21	2	Aquatic point count (PM	1.335174913	103.7824223	2156-2201	*Microhyla mukhlesuri*	East Asian ornate chorus frog	Amphibian	10
01-Dec-21	2	Aquatic point count (PM	1.335174913	103.7824223	2156-2201	*Polypedates leucomystax*	Four-lined tree frog	Amphibian	4
01-Dec-21	2	Aquatic point count (PM	1.335174913	103.7824223	2156-2201	*Hylarana erythraea*	Green paddy frog	Amphibian	5
01-Dec-21	2	Aquatic point count (PM	1.335174913	103.7824223	2156-2201	*Limnonectes blythii*	Malayan giant frog	Amphibian	1
01-Dec-21	2	Aquatic point count (PM	1.335174913	103.7824223	2156-2201	*Calotes versicolor*	Changeable lizard	Reptile	1
01-Sep-21		Others	1.335302973	103.782651	900	*Agriocnemis femina*	Variable wisp	Odonata	1
01-Sep-21		Others	1.335173976	103.782538	914	*Merops viridis*	Blue-throated bee-eater	Bird	3
02-Nov-21		Others	1.334262	103.781975	919	*Halcyon coromanda*	Ruddy kingfisher	Bird	1
25-Feb-22		Others	1.331997	103.782343	1040-1200	*Aethriamanta gracilis*	Pond adjudant	Odonata	1
25-Feb-22		Others	1.331997	103.782343	1040-1200	*Neurothemis fluctuans*	Common parasol	Odonata	1
25-Feb-22		Others	1.331997	103.782343	1040-1200	*Ceriagrion cerinorubellum*	Ornate coraltail	Odonata	1
25-Feb-22		Others	1.331997	103.782343	1040-1200	*Rhyothemis triangularis*	Sapphire flutterer	Odonata	1
25-Feb-22		Others	1.331997	103.782343	1040-1200	*Diplacodes nebulosa*	Black-tipped percher	Odonata	1
25-Feb-22		Others	1.331997	103.782343	1040-1200	*Lestes praemorsus*	Crenulated spreadwing	Odonata	1
25-Feb-22		Others	1.331997	103.782343	1040-1200	*Rhyothemis phyllis*	Yellow-barred flutterer	Odonata	1
25-Feb-22		Others	1.331997	103.782343	1040-1200	*Tramea transmarina*	Saddlebag glider	Odonata	1
25-Feb-22		Others	1.331997	103.782343	1040-1200	*Anax sp.*	Emperor sp.	Odonata	1
25-Feb-22		Others	1.33193303	103.782233	1040-1200	*Indothemis limbata*	Restless demon	Odonata	1

25-Feb-22	Others	1.332087005	103.78216	1040-1200	*Indothemis limbata*	Restless demon	Odonata	1
25-Feb-22	Others	1.332122963	103.782176	1040-1200	*Indothemis limbata*	Restless demon	Odonata	1
25-Feb-22	Others	1.331997	103.782343	1040-1200	*Camacinia gigantea*	Sultan	Odonata	1
25-Feb-22	Others	1.331997	103.782343	1040-1200	*Orthetrum sabina*	Variegated green skimmer	Odonata	1
25-Feb-22	Others	1.331997	103.782343	1040-1200	*Acisoma panorpoides*	Trumpet tail	Odonata	1
25-Feb-22	Others	1.331997	103.782343	1040-1200	*Diplacodes trivialis*	Blue percher	Odonata	1
25-Feb-22	Others	1.33217996	103.782278	1040-1200	*Vanellus indicus*	Red-wattled lapwing	Bird	1
25-Feb-22	Others	1.331882989	103.783245	1204	*Nisaetus cirrhatus*	Changeable hawk-eagle	Bird	1

Date	Bamboo cluster	Latitude	Longitude	Bamboo species	Height (m)	Spread (m)	Presence of slits	Active slit internode girth (cm)	Active slit internode length (cm)	Active slit length (cm)	Active slit height from ground (m)	Estimated no. of individuals	Observations of bamboo bats	Priority classification (1 -
08-Nov-21	BB5_01	1.331709	103.78216	*Bambusa vulgaris*	10	1	No	NA	NA	NA	NA	NA	NA	3
24-Jan-22	BB5_02	1.334222	103.78172	*Bambusa heterostachya*	7	2	No	NA	NA	NA	NA	NA	NA	3

Aquatic sampling point	Latitude	Longitude
FW5_01	1.335174913	103.7824223
FW5_02	1.331678974	103.782349

Date	Survey type	Direction
04-Oct-21	Transect survey (AM)	Forward
04-Oct-21	Aquatic point count (AM)	
05-Oct-21	Transect survey (PM)	Forward
05-Oct-21	Aquatic point count (PM)	
06-Oct-21	Transect survey (AM)	Forward
06-Oct-21	Aquatic point count (AM)	
16-Oct-21	Transect survey (AM)	Forward
27-Oct-21	Transect survey (AM)	Reverse
27-Oct-21	Aquatic point count (AM)	
30-Oct-21	Transect survey (AM)	Reverse
08-Nov-21	Transect survey (AM)	Reverse
08-Nov-21	Aquatic point count (AM)	
08-Nov-21	Roost emergence survey	
01-Dec-21	Transect survey (PM)	Reverse
01-Dec-21	Aquatic point count (PM)	
02-Dec-21	Aquatic point count (AM)	
24-Jan-22	Roost emergence survey	

Fauna groups	Time in (h)	Time out (h)	Weather
Birds, Herpetofauna, Non-volant mammals	715	953	Fair
Odonates, Herpetofauna, Freshwater aquatic fauna	715	953	Fair
Birds, Herpetofauna, Non-volant mammals, Bats	1956	2238	Fair
Herpetofauna, Freshwater aquatic fauna	1930	2238	Fair
Odonates, Butterflies	845	1133	Fair
Odonates, Herpetofauna, Freshwater aquatic fauna	845	1027	Fair
Aculeate hymenopterans	915	1045	Fair
Odonates, Aculeate hymenopterans	922	1058	Fair
Odonates	922	1058	Fair
Butterflies	855	1012	Fair
Birds, Herpetofauna, Non-volant mammals	712	928	Cloudy to sunny
Herpetofauna	712	928	Cloudy to sunny
Bamboo bats	1830	2100	
Birds, Herpetofauna, Non-volant mammals, Bats	1954	2205	Fair
Herpetofauna, Freshwater aquatic fauna	1954	2205	Fair
Freshwater aquatic fauna	1430	1630	Drizzling
Bamboo bats	1830	2100	Fair

Appendix J1

Camera Trap Log and Data for Turf City (Sites I, II and III)

Location	Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
Site I	CT_11	01/10/2021	IMG_0019.AVI	24/09/2021 20:58	24/09/2021	20:58:16	Mammal	Rattus sp.	1	NA
Site I	CT_11	01/10/2021	IMG_0020.AVI	26/09/2021 22:55	26/09/2021	22:56:08	Mammal	Sus scrofa	1	NA
Site I	CT_11	01/10/2021	IMG_0021.AVI	28/09/2021 20:19	28/09/2021	20:19:50	Mammal	Rattus sp.	1	NA
Site I	CT_11	16/12/2021	IMG_0010.AVI	23/11/2021 17:42	23/11/2021	17:42:36	Bird	Garrulax leucolophus	1	NA
Site I	CT_11	16/12/2021	IMG_0011.AVI	23/11/2021 17:44	23/11/2021	17:44:42	Bird	Garrulax leucolophus	1	NA
Site I	CT_11	16/12/2021	IMG_0012.AVI	23/11/2021 17:46	23/11/2021	17:46:10	NA	Unidentified sp.	1	NA
Site I	CT_11	16/12/2021	IMG_0015.AVI	25/11/2021 09:45	25/11/2021	09:46:02	Bird	Gallus gallus	1	NA
Site I	CT_11	16/12/2021	IMG_0016.AVI	25/11/2021 09:46	25/11/2021	09:46:24	Bird	Gallus gallus	1	NA
Site I	CT_11	16/12/2021	IMG_0017.AVI	25/11/2021 09:46	25/11/2021	09:46:52	Bird	Gallus gallus	2	NA
Site I	CT_11	16/12/2021	IMG_0018.AVI	25/11/2021 09:47	25/11/2021	09:47:40	Bird	Gallus gallus	1	NA
Site I	CT_11	16/12/2021	IMG_0020.AVI	27/11/2021 09:01	27/11/2021	09:01:30	Bird	Garrulax leucolophus	3	NA
Site I	CT_11	16/12/2021	IMG_0021.AVI	30/11/2021 09:05	30/11/2021	09:06:08	Mammal	Macaca fascicularis	1	NA
Site I	CT_11	16/12/2021	IMG_0022.AVI	30/11/2021 09:08	30/11/2021	09:08:58	Mammal	Macaca fascicularis	1	NA
Site I	CT_11	16/12/2021	IMG_0023.AVI	30/11/2021 09:13	30/11/2021	09:13:32	Mammal	Macaca fascicularis	2	NA
Site I	CT_11	16/12/2021	IMG_0024.AVI	30/11/2021 09:14	30/11/2021	09:14:48	Mammal	Macaca fascicularis	1	NA
Site I	CT_11	16/12/2021	IMG_0065.AVI	10/12/2021 06:47	09/12/2021	06:47:50	Mammal	Tupaia glis	1	NA
Site I	CT_11	16/12/2021	IMG_0072.AVI	10/12/2021 08:09	10/12/2021	08:09:28	NA	Unidentified sp.	1	NA
Site I	CT_11	16/12/2021	IMG_0110.AVI	13/12/2021 08:55	13/12/2021	08:55:46	NA	Unidentified sp.	1	NA
Site I	CT_11	11/01/2022	IMG_0019.AVI	16/12/2021 18:45	16/12/2021	18:45:14	Mammal	Tupaia glis	1	NA
Site I	CT_11	11/01/2022	IMG_0020.AVI	18/12/2021 08:11	18/12/2021	08:11:48	Bird	Amaurornis phoenicurus	1	NA
Site I	CT_11	11/01/2022	IMG_0021.AVI	20/12/2021 07:05	19/12/2021	07:06:00	Mammal	Tupaia glis	1	NA
Site I	CT_11	11/01/2022	IMG_0023.AVI	20/12/2021 18:47	20/12/2021	18:47:38	Mammal	Tupaia glis	1	NA
Site I	CT_11	11/01/2022	IMG_0024.AVI	22/12/2021 07:06	21/12/2021	07:06:14	Mammal	Tupaia glis	1	NA
Site I	CT_11	11/01/2022	IMG_0025.AVI	22/12/2021 07:19	21/12/2021	07:19:38	Mammal	Tupaia glis	1	NA
Site I	CT_11	11/01/2022	IMG_0026.AVI	22/12/2021 16:12	22/12/2021	16:12:54	Bird	Rallina fasciata	2	NA
Site I	CT_11	11/01/2022	IMG_0027.AVI	22/12/2021 16:13	22/12/2021	16:13:22	Bird	Rallina fasciata	2	NA
Site I	CT_11	11/01/2022	IMG_0028.AVI	22/12/2021 16:13	22/12/2021	16:13:54	Bird	Rallina fasciata	2	NA
Site I	CT_11	11/01/2022	IMG_0029.AVI	22/12/2021 18:40	22/12/2021	18:41:04	Bird	Rallina fasciata	1	NA
Site I	CT_11	11/01/2022	IMG_0030.AVI	22/12/2021 18:43	22/12/2021	18:43:12	Bird	Rallina fasciata	2	NA
Site I	CT_11	11/01/2022	IMG_0031.AVI	23/12/2021 08:16	23/12/2021	08:16:16	Bird	Rallina fasciata	2	NA
Site I	CT_11	11/01/2022	IMG_0032.AVI	23/12/2021 13:57	23/12/2021	13:57:52	Mammal	Sundasciurus tenuis	1	NA
Site I	CT_11	11/01/2022	IMG_0033.AVI	24/12/2021 07:15	23/12/2021	07:15:28	Mammal	Tupaia glis	1	NA
Site I	CT_11	11/01/2022	IMG_0034.AVI	26/12/2021 18:36	26/12/2021	18:36:32	Bird	Garrulax leucolophus	1	NA
Site I	CT_11	11/01/2022	IMG_0035.AVI	27/12/2021 07:23	26/12/2021	07:24:00	Mammal	Tupaia glis	1	NA
Site I	CT_11	11/01/2022	IMG_0037.AVI	27/12/2021 19:00	27/12/2021	19:00:14	Bird	Rallina fasciata	2	NA
Site I	CT_11	11/01/2022	IMG_0038.AVI	27/12/2021 22:02	27/12/2021	22:02:22	Mammal	Rattus sp.	1	NA
Site I	CT_11	11/01/2022	IMG_0039.AVI	28/12/2021 18:22	28/12/2021	18:22:48	Mammal	Tupaia glis	1	NA
Site I	CT_11	11/01/2022	IMG_0039.AVI	28/12/2021 18:22	28/12/2021	18:22:48	Bird	Gallus gallus	1	NA
Site I	CT_11	11/01/2022	IMG_0040.AVI	28/12/2021 18:49	28/12/2021	18:49:24	Bird	Rallina fasciata	1	NA
Site I	CT_11	11/01/2022	IMG_0041.AVI	29/12/2021 07:21	28/12/2021	07:21:16	Mammal	Unidentified squirrel or shrew	1	NA
Site I	CT_11	11/01/2022	IMG_0042.AVI	29/12/2021 07:25	28/12/2021	07:25:56	Bird	Amaurornis phoenicurus	1	NA
Site I	CT_11	11/01/2022	IMG_0043.AVI	29/12/2021 09:27	29/12/2021	09:27:20	Mammal	Tupaia glis	1	NA
Site I	CT_11	11/01/2022	IMG_0044.AVI	29/12/2021 10:04	29/12/2021	10:05:04	Mammal	Unidentified squirrel or shrew	2	NA
Site I	CT_11	11/01/2022	IMG_0045.AVI	29/12/2021 10:20	29/12/2021	10:21:02	Mammal	Tupaia glis	1	NA
Site I	CT_11	11/01/2022	IMG_0046.AVI	29/12/2021 10:27	29/12/2021	10:27:10	Mammal	Tupaia glis	1	NA
Site I	CT_11	11/01/2022	IMG_0047.AVI	29/12/2021 19:01	29/12/2021	19:01:18	Bird	Rallina fasciata	1	NA
Site I	CT_11	11/01/2022	IMG_0048.AVI	29/12/2021 19:02	29/12/2021	19:03:00	Mammal	Tupaia glis	1	NA
Site I	CT_11	11/01/2022	IMG_0049.AVI	29/12/2021 19:07	29/12/2021	19:07:10	Bird	Amaurornis phoenicurus	1	NA
Site I	CT_11	11/01/2022	IMG_0050.AVI	29/12/2021 20:16	29/12/2021	20:16:22	Mammal	Rattus sp.	1	NA
Site I	CT_11	11/01/2022	IMG_0051.AVI	30/12/2021 07:08	29/12/2021	07:08:52	Mammal	Tupaia glis	1	NA
Site I	CT_11	11/01/2022	IMG_0052.AVI	30/12/2021 07:22	29/12/2021	07:22:20	Mammal	Tupaia glis	1	NA
Site I	CT_11	11/01/2022	IMG_0053.AVI	30/12/2021 07:32	29/12/2021	07:32:30	Bird	Rallina fasciata	1	NA
Site I	CT_11	11/01/2022	IMG_0055.AVI	31/12/2021 07:55	30/12/2021	07:55:30	Mammal	Tupaia glis	1	NA
Site I	CT_11	11/01/2022	IMG_0056.AVI	01/01/2022 07:04	31/12/2021	07:04:40	Bird	Amaurornis phoenicurus	1	NA
Site I	CT_11	11/01/2022	IMG_0057.AVI	01/01/2022 07:04	31/12/2021	07:05:02	Bird	Amaurornis phoenicurus	1	NA
Site I	CT_11	11/01/2022	IMG_0058.AVI	01/01/2022 07:10	31/12/2021	07:10:12	Mammal	Tupaia glis	1	NA
Site I	CT_11	11/01/2022	IMG_0059.AVI	01/01/2022 07:11	31/12/2021	07:11:46	Mammal	Tupaia glis	1	NA

Location	Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
Site I	CT_11	11/01/2022	IMG_0060.AVI	01/01/2022 07:13	31/12/2021	07:14:06	Mammal	Tupaia glis	1	NA
Site I	CT_11	11/01/2022	IMG_0061.AVI	01/01/2022 11:46	01/01/2022	11:47:00	Mammal	Tupaia glis	1	NA
Site I	CT_11	11/01/2022	IMG_0062.AVI	01/01/2022 22:33	01/01/2022	22:33:22	Mammal	Rattus sp.	1	NA
Site I	CT_11	11/01/2022	IMG_0062.AVI	01/01/2022 22:33	01/01/2022	22:33:22	Bird	Unidentifed Strigidae	1	NA
Site I	CT_11	11/01/2022	IMG_0063.AVI	02/01/2022 14:41	02/01/2022	14:41:54	Bird	Rallina fasciata	1	NA
Site I	CT_11	11/01/2022	IMG_0064.AVI	02/01/2022 18:31	02/01/2022	18:31:44	Mammal	Paradoxurus musangus	1	NA
Site I	CT_11	11/01/2022	IMG_0065.AVI	02/01/2022 18:42	02/01/2022	18:42:18	Mammal	Tupaia glis	1	NA
Site I	CT_11	11/01/2022	IMG_0066.AVI	03/01/2022 07:14	02/01/2022	07:14:22	Mammal	Tupaia glis	1	NA
Site I	CT_11	11/01/2022	IMG_0067.AVI	03/01/2022 10:04	03/01/2022	10:04:52	Bird	Amaurornis phoenicurus	1	NA
Site I	CT_11	11/01/2022	IMG_0068.AVI	04/01/2022 07:25	03/01/2022	07:25:12	NA	Unidentified sp.	1	NA
Site I	CT_11	11/01/2022	IMG_0069.AVI	05/01/2022 04:29	04/01/2022	04:29:50	Mammal	Manis javanica	1	NA
Site I	CT_11	11/01/2022	IMG_0070.AVI	05/01/2022 07:40	04/01/2022	07:40:18	NA	Unidentified sp.	1	NA
Site I	CT_11	11/01/2022	IMG_0071.AVI	06/01/2022 10:15	06/01/2022	10:15:46	Bird	Gallus gallus	2	NA
Site I	CT_11	11/01/2022	IMG_0072.AVI	06/01/2022 11:04	06/01/2022	11:04:22	Mammal	Unidentified squirrel or shrew	1	NA
Site I	CT_11	11/01/2022	IMG_0073.AVI	06/01/2022 15:35	06/01/2022	15:35:20	NA	Unidentified sp.	1	NA
Site I	CT_11	11/01/2022	IMG_0074.AVI	06/01/2022 18:48	06/01/2022	18:48:54	Bird	Rallina fasciata	1	NA
Site I	CT_11	11/01/2022	IMG_0075.AVI	06/01/2022 21:14	06/01/2022	21:14:58	Bird	Otus lempiji	1	NA
Site I	CT_11	11/01/2022	IMG_0076.AVI	07/01/2022 13:58	07/01/2022	13:58:26	Mammal	Tupaia glis	1	NA
Site I	CT_11	11/01/2022	IMG_0077.AVI	07/01/2022 13:58	07/01/2022	13:58:48	Mammal	Tupaia glis	1	NA
Site I	CT_11	11/01/2022	IMG_0078.AVI	07/01/2022 14:33	07/01/2022	14:33:56	Bird	Rallina fasciata	1	NA
Site I	CT_11	11/01/2022	IMG_0079.AVI	07/01/2022 14:45	07/01/2022	14:45:32	Mammal	Tupaia glis	1	NA
Site I	CT_11	11/01/2022	IMG_0080.AVI	08/01/2022 06:27	07/01/2022	06:27:38	Mammal	Rattus sp.	1	NA
Site I	CT_11	11/01/2022	IMG_0081.AVI	08/01/2022 11:21	08/01/2022	11:21:52	Mammal	Unidentified squirrel or shrew	1	NA
Site I	CT_11	11/01/2022	IMG_0082.AVI	08/01/2022 11:22	08/01/2022	11:22:26	Mammal	Tupaia glis	1	NA
Site I	CT_11	11/01/2022	IMG_0083.AVI	08/01/2022 22:13	08/01/2022	22:13:50	Mammal	Rattus sp.	1	NA
Site I	CT_11	11/01/2022	IMG_0085.AVI	09/01/2022 07:53	08/01/2022	07:53:14	Bird	Rallina fasciata	2	NA
Site I	CT_11	11/01/2022	IMG_0086.AVI	09/01/2022 07:53	08/01/2022	07:53:36	Bird	Rallina fasciata	3	NA
Site I	CT_11	11/01/2022	IMG_0087.AVI	09/01/2022 07:53	08/01/2022	07:54:08	Bird	Rallina fasciata	3	NA
Site I	CT_11	11/01/2022	IMG_0088.AVI	09/01/2022 18:52	09/01/2022	18:52:58	Mammal	Tupaia glis	1	NA
Site I	CT_11	11/01/2022	IMG_0089.AVI	09/01/2022 19:03	09/01/2022	19:03:20	Mammal	Tupaia glis	1	NA
Site I	CT_11	11/01/2022	IMG_0090.AVI	09/01/2022 22:39	09/01/2022	22:39:10	Mammal	Rattus sp.	1	NA
Site I	CT_11	11/01/2022	IMG_0091.AVI	10/01/2022 07:14	09/01/2022	07:15:04	Bird	Unidentified Rallidae	1	NA
Site I	CT_11	11/01/2022	IMG_0092.AVI	10/01/2022 12:05	10/01/2022	12:05:34	Bird	Garrulax leucolophus	1	NA
Site II	CT_12	01/10/2021	IMG_0007.AVI	24/09/2021 15:38	24/09/2021	15:38:50	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	01/10/2021	IMG_0008.AVI	24/09/2021 17:58	24/09/2021	17:59:00	Bird	Gallus gallus	1	NA
Site II	CT_12	01/10/2021	IMG_0009.AVI	24/09/2021 17:59	24/09/2021	17:59:54	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	01/10/2021	IMG_0010.AVI	24/09/2021 18:09	24/09/2021	18:09:46	Bird	Gallus gallus	1	NA
Site II	CT_12	01/10/2021	IMG_0011.AVI	25/09/2021 12:20	25/09/2021	12:20:28	Mammal	Callosciurus notatus	1	NA
Site II	CT_12	01/10/2021	IMG_0012.AVI	25/09/2021 13:14	25/09/2021	13:14:50	Bird	Gallus gallus	2	NA
Site II	CT_12	01/10/2021	IMG_0013.AVI	25/09/2021 13:15	25/09/2021	13:15:32	Bird	Gallus gallus	1	NA
Site II	CT_12	01/10/2021	IMG_0014.AVI	25/09/2021 13:21	25/09/2021	13:21:22	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	01/10/2021	IMG_0015.AVI	25/09/2021 14:02	25/09/2021	14:02:18	Bird	Gallus gallus	1	NA
Site II	CT_12	01/10/2021	IMG_0017.AVI	25/09/2021 16:15	25/09/2021	16:16:02	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	01/10/2021	IMG_0018.AVI	25/09/2021 18:11	25/09/2021	18:11:12	Mammal	Tupaia glis	1	NA
Site II	CT_12	01/10/2021	IMG_0019.AVI	26/09/2021 08:55	26/09/2021	08:55:24	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	01/10/2021	IMG_0020.AVI	26/09/2021 09:59	26/09/2021	09:59:10	Mammal	Macaca fascicularis	1	NA
Site II	CT_12	01/10/2021	IMG_0021.AVI	26/09/2021 12:46	26/09/2021	12:46:12	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	01/10/2021	IMG_0022.AVI	26/09/2021 17:06	26/09/2021	17:07:06	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	01/10/2021	IMG_0023.AVI	26/09/2021 17:23	26/09/2021	17:23:12	Mammal	Unidentified squirrel or treeshrew	1	NA
Site II	CT_12	01/10/2021	IMG_0024.AVI	26/09/2021 18:39	26/09/2021	18:39:26	NA	Unidentified sp.	1	NA
Site II	CT_12	01/10/2021	IMG_0025.AVI	27/09/2021 08:22	27/09/2021	08:22:10	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	01/10/2021	IMG_0027.AVI	27/09/2021 13:42	27/09/2021	13:42:30	Bird	Gallus gallus	1	NA
Site II	CT_12	01/10/2021	IMG_0028.AVI	27/09/2021 14:39	27/09/2021	14:39:24	Mammal	Tupaia glis	1	NA
Site II	CT_12	01/10/2021	IMG_0029.AVI	27/09/2021 15:50	27/09/2021	15:50:20	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	01/10/2021	IMG_0030.AVI	28/09/2021 08:32	28/09/2021	08:32:22	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	01/10/2021	IMG_0031.AVI	28/09/2021 10:46	28/09/2021	10:46:58	Bird	Gallus gallus (domestic)	1	NA

Location	Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
Site II	CT_12	01/10/2021	IMG_0037.AVI	28/09/2021 16:34	28/09/2021	16:34:30	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	01/10/2021	IMG_0038.AVI	28/09/2021 17:26	28/09/2021	17:26:20	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	01/10/2021	IMG_0039.AVI	28/09/2021 20:57	28/09/2021	20:57:30	Mammal	Rattus sp.	1	NA
Site II	CT_12	01/10/2021	IMG_0040.AVI	29/09/2021 07:53	28/09/2021	07:53:54	Mammal	Tupaia glis	1	NA
Site II	CT_12	01/10/2021	IMG_0041.AVI	29/09/2021 08:25	29/09/2021	08:25:22	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	01/10/2021	IMG_0079.AVI	29/09/2021 14:47	29/09/2021	14:47:54	Bird	Gallus gallus	1	NA
Site II	CT_12	01/10/2021	IMG_0082.AVI	29/09/2021 15:33	29/09/2021	15:34:02	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	01/10/2021	IMG_0084.AVI	29/09/2021 16:56	29/09/2021	16:56:42	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	01/10/2021	IMG_0085.AVI	30/09/2021 09:24	30/09/2021	09:24:48	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	01/10/2021	IMG_0086.AVI	30/09/2021 10:09	30/09/2021	10:09:18	Mammal	Callosciurus notatus	1	NA
Site II	CT_12	01/10/2021	IMG_0087.AVI	30/09/2021 13:46	30/09/2021	13:47:00	Bird	Gallus gallus	1	NA
Site II	CT_12	01/10/2021	IMG_0088.AVI	30/09/2021 14:34	30/09/2021	14:34:48	Bird	Gallus gallus	1	NA
Site II	CT_12	01/10/2021	IMG_0089.AVI	30/09/2021 17:44	30/09/2021	17:44:44	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	01/10/2021	IMG_0090.AVI	01/10/2021 09:34	01/10/2021	09:34:30	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0002.AVI	01/10/2021 14:37	01/10/2021	14:37:30	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0003.AVI	01/10/2021 15:15	01/10/2021	15:15:10	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0004.AVI	01/10/2021 15:29	01/10/2021	15:29:36	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0005.AVI	02/10/2021 09:28	02/10/2021	09:28:28	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0006.AVI	02/10/2021 15:20	02/10/2021	15:21:04	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0007.AVI	02/10/2021 15:56	02/10/2021	15:56:28	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0008.AVI	02/10/2021 16:11	02/10/2021	16:12:08	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0010.AVI	02/10/2021 17:20	02/10/2021	17:21:00	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0011.AVI	02/10/2021 17:21	02/10/2021	17:21:28	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0012.AVI	02/10/2021 17:21	02/10/2021	17:22:04	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0013.AVI	02/10/2021 17:22	02/10/2021	17:22:44	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0014.AVI	02/10/2021 17:23	02/10/2021	17:23:22	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0015.AVI	02/10/2021 17:23	02/10/2021	17:23:44	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0016.AVI	02/10/2021 17:24	02/10/2021	17:24:20	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0017.AVI	03/10/2021 08:18	03/10/2021	08:18:52	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0018.AVI	03/10/2021 08:20	03/10/2021	08:20:24	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0019.AVI	03/10/2021 08:47	03/10/2021	08:47:44	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0020.AVI	03/10/2021 11:45	03/10/2021	11:45:46	Mammal	Callosciurus notatus	1	NA
Site II	CT_12	05/11/2021	IMG_0021.AVI	03/10/2021 12:40	03/10/2021	12:41:06	Mammal	Callosciurus notatus	1	NA
Site II	CT_12	05/11/2021	IMG_0022.AVI	03/10/2021 12:42	03/10/2021	12:42:22	Mammal	Callosciurus notatus	1	NA
Site II	CT_12	05/11/2021	IMG_0023.AVI	03/10/2021 12:43	03/10/2021	12:43:56	Mammal	Callosciurus notatus	1	NA
Site II	CT_12	05/11/2021	IMG_0024.AVI	03/10/2021 12:51	03/10/2021	12:51:38	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0025.AVI	03/10/2021 12:59	03/10/2021	12:59:16	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0026.AVI	03/10/2021 13:07	03/10/2021	13:07:28	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0027.AVI	03/10/2021 15:46	03/10/2021	15:46:34	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0028.AVI	03/10/2021 18:39	03/10/2021	18:40:08	Mammal	Tupaia glis	1	NA
Site II	CT_12	05/11/2021	IMG_0029.AVI	04/10/2021 09:08	04/10/2021	09:08:38	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0034.AVI	04/10/2021 18:22	04/10/2021	18:22:54	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0035.AVI	04/10/2021 19:00	04/10/2021	19:00:42	Mammal	Tupaia glis	1	NA
Site II	CT_12	05/11/2021	IMG_0037.AVI	05/10/2021 07:41	04/10/2021	07:41:46	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0038.AVI	05/10/2021 08:49	05/10/2021	08:49:32	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0039.AVI	05/10/2021 12:11	05/10/2021	12:12:00	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0040.AVI	05/10/2021 14:59	05/10/2021	14:59:46	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0041.AVI	05/10/2021 15:20	05/10/2021	15:20:20	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0042.AVI	06/10/2021 07:18	05/10/2021	07:18:26	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0043.AVI	06/10/2021 07:22	05/10/2021	07:22:42	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0043.AVI	06/10/2021 07:22	05/10/2021	07:22:42	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0044.AVI	06/10/2021 07:22	05/10/2021	07:23:02	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0044.AVI	06/10/2021 07:22	05/10/2021	07:23:02	Mammal	Tupaia glis	1	NA
Site II	CT_12	05/11/2021	IMG_0045.AVI	06/10/2021 13:11	06/10/2021	13:11:46	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0046.AVI	06/10/2021 14:41	06/10/2021	14:41:50	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0047.AVI	07/10/2021 09:32	07/10/2021	09:32:20	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0049.AVI	07/10/2021 22:04	07/10/2021	22:04:16	Mammal	Rattus sp.	1	NA

Location	Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
Site II	CT_12	05/11/2021	IMG_0050.AVI	08/10/2021 01:59	07/10/2021	01:59:10	Mammal	Rattus sp.	1	NA
Site II	CT_12	05/11/2021	IMG_0051.AVI	08/10/2021 17:37	08/10/2021	17:37:26	Mammal	Tupaia glis	1	NA
Site II	CT_12	05/11/2021	IMG_0052.AVI	09/10/2021 07:55	08/10/2021	07:56:06	Mammal	Tupaia glis	1	NA
Site II	CT_12	05/11/2021	IMG_0053.AVI	09/10/2021 09:12	09/10/2021	09:12:30	Mammal	Callosciurus notatus	1	NA
Site II	CT_12	05/11/2021	IMG_0055.AVI	09/10/2021 16:48	09/10/2021	16:48:14	Mammal	Callosciurus notatus	1	NA
Site II	CT_12	05/11/2021	IMG_0056.AVI	09/10/2021 16:48	09/10/2021	16:48:48	Mammal	Callosciurus notatus	1	NA
Site II	CT_12	05/11/2021	IMG_0057.AVI	09/10/2021 16:50	09/10/2021	16:50:12	Mammal	Callosciurus notatus	1	NA
Site II	CT_12	05/11/2021	IMG_0058.AVI	10/10/2021 08:04	10/10/2021	08:05:06	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0059.AVI	10/10/2021 08:40	10/10/2021	08:40:56	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0060.AVI	10/10/2021 08:41	10/10/2021	08:41:16	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0061.AVI	10/10/2021 08:41	10/10/2021	08:41:36	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0062.AVI	10/10/2021 08:42	10/10/2021	08:43:08	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0063.AVI	10/10/2021 09:30	10/10/2021	09:31:02	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0064.AVI	10/10/2021 10:08	10/10/2021	10:08:34	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0064.AVI	10/10/2021 10:08	10/10/2021	10:08:34	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0065.AVI	10/10/2021 10:09	10/10/2021	10:09:46	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0065.AVI	10/10/2021 10:09	10/10/2021	10:09:46	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0066.AVI	10/10/2021 10:44	10/10/2021	10:44:54	Bird	Gallus gallus	2	NA
Site II	CT_12	05/11/2021	IMG_0067.AVI	10/10/2021 11:05	10/10/2021	11:05:22	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0068.AVI	10/10/2021 13:27	10/10/2021	13:27:16	Mammal	Tupaia glis	1	NA
Site II	CT_12	05/11/2021	IMG_0069.AVI	10/10/2021 13:27	10/10/2021	13:27:40	Mammal	Tupaia glis	1	NA
Site II	CT_12	05/11/2021	IMG_0070.AVI	10/10/2021 13:33	10/10/2021	13:33:16	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0071.AVI	10/10/2021 13:33	10/10/2021	13:33:40	Mammal	Tupaia glis	1	NA
Site II	CT_12	05/11/2021	IMG_0072.AVI	11/10/2021 08:08	11/10/2021	08:08:30	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0073.AVI	11/10/2021 08:08	11/10/2021	08:08:50	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0074.AVI	11/10/2021 08:46	11/10/2021	08:46:40	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0075.AVI	11/10/2021 11:48	11/10/2021	11:49:08	Mammal	Callosciurus notatus	1	NA
Site II	CT_12	05/11/2021	IMG_0076.AVI	11/10/2021 13:36	11/10/2021	13:36:10	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0077.AVI	11/10/2021 13:37	11/10/2021	13:37:54	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0078.AVI	11/10/2021 16:27	11/10/2021	16:27:10	Mammal	Callosciurus notatus	1	NA
Site II	CT_12	05/11/2021	IMG_0079.AVI	12/10/2021 08:29	12/10/2021	08:29:50	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0080.AVI	12/10/2021 13:32	12/10/2021	13:33:00	Mammal	Callosciurus notatus	1	NA
Site II	CT_12	05/11/2021	IMG_0081.AVI	12/10/2021 21:34	12/10/2021	21:34:58	Mammal	Manis javanica	1	NA
Site II	CT_12	05/11/2021	IMG_0082.AVI	13/10/2021 07:17	12/10/2021	07:17:12	Bird	Gallus gallus	2	NA
Site II	CT_12	05/11/2021	IMG_0083.AVI	13/10/2021 07:30	12/10/2021	07:30:42	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0084.AVI	13/10/2021 08:55	13/10/2021	08:56:08	Bird	Gallus gallus	2	NA
Site II	CT_12	05/11/2021	IMG_0085.AVI	13/10/2021 09:02	13/10/2021	09:02:46	Mammal	Callosciurus notatus	1	NA
Site II	CT_12	05/11/2021	IMG_0086.AVI	13/10/2021 15:01	13/10/2021	15:01:28	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0087.AVI	13/10/2021 15:02	13/10/2021	15:02:10	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0088.AVI	13/10/2021 15:31	13/10/2021	15:31:20	Bird	Gallus gallus	2	NA
Site II	CT_12	05/11/2021	IMG_0089.AVI	13/10/2021 15:35	13/10/2021	15:35:54	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0090.AVI	13/10/2021 15:47	13/10/2021	15:47:34	Mammal	Tupaia glis	1	NA
Site II	CT_12	05/11/2021	IMG_0091.AVI	13/10/2021 17:34	13/10/2021	17:34:24	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0092.AVI	13/10/2021 17:34	13/10/2021	17:34:44	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0093.AVI	13/10/2021 17:35	13/10/2021	17:35:14	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0094.AVI	14/10/2021 07:07	13/10/2021	07:07:12	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0095.AVI	14/10/2021 07:19	13/10/2021	07:19:52	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0096.AVI	14/10/2021 16:35	14/10/2021	16:35:58	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0097.AVI	14/10/2021 17:45	14/10/2021	17:45:32	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0098.AVI	15/10/2021 05:38	14/10/2021	05:38:28	Mammal	Manis javanica	1	NA
Site II	CT_12	05/11/2021	IMG_0099.AVI	15/10/2021 08:56	15/10/2021	08:57:00	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0100.AVI	15/10/2021 10:12	15/10/2021	10:12:46	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0101.AVI	15/10/2021 12:23	15/10/2021	12:23:34	Mammal	Callosciurus notatus	1	NA
Site II	CT_12	05/11/2021	IMG_0102.AVI	15/10/2021 12:29	15/10/2021	12:29:56	Mammal	Callosciurus notatus	1	NA
Site II	CT_12	05/11/2021	IMG_0103.AVI	15/10/2021 15:31	15/10/2021	15:31:46	Mammal	Unidentified squirrel or treeshrew	1	NA
Site II	CT_12	05/11/2021	IMG_0104.AVI	15/10/2021 16:24	15/10/2021	16:24:50	Bird	Gallus gallus	1	NA

Location	Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
Site II	CT_12	05/11/2021	IMG_0105.AVI	15/10/2021 16:29	15/10/2021	16:30:06	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0106.AVI	15/10/2021 17:20	15/10/2021	17:20:58	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0106.AVI	15/10/2021 17:20	15/10/2021	17:20:58	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0107.AVI	15/10/2021 17:27	15/10/2021	17:28:08	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0108.AVI	16/10/2021 08:45	16/10/2021	08:46:06	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0109.AVI	16/10/2021 09:37	16/10/2021	09:37:44	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0110.AVI	16/10/2021 09:50	16/10/2021	09:50:18	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0110.AVI	16/10/2021 09:50	16/10/2021	09:50:18	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0111.AVI	16/10/2021 10:08	16/10/2021	10:08:32	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0112.AVI	16/10/2021 10:29	16/10/2021	10:30:08	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0113.AVI	16/10/2021 14:02	16/10/2021	14:02:14	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0114.AVI	16/10/2021 14:04	16/10/2021	14:04:10	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0115.AVI	16/10/2021 15:22	16/10/2021	15:22:28	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0116.AVI	16/10/2021 15:54	16/10/2021	15:54:28	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0117.AVI	16/10/2021 16:34	16/10/2021	16:35:00	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0118.AVI	16/10/2021 18:07	16/10/2021	18:07:24	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0119.AVI	16/10/2021 18:27	16/10/2021	18:27:46	Mammal	Tupaia glis	1	NA
Site II	CT_12	05/11/2021	IMG_0120.AVI	17/10/2021 07:45	16/10/2021	07:45:50	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0121.AVI	17/10/2021 08:14	17/10/2021	08:14:40	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0122.AVI	17/10/2021 09:13	17/10/2021	09:13:26	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0123.AVI	17/10/2021 11:16	17/10/2021	11:16:44	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0124.AVI	17/10/2021 11:57	17/10/2021	11:57:12	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0125.AVI	17/10/2021 12:29	17/10/2021	12:29:14	Mammal	Callosciurus notatus	1	NA
Site II	CT_12	05/11/2021	IMG_0126.AVI	17/10/2021 12:34	17/10/2021	12:35:00	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0127.AVI	17/10/2021 15:07	17/10/2021	15:07:24	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0128.AVI	17/10/2021 16:07	17/10/2021	16:07:50	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0129.AVI	17/10/2021 17:10	17/10/2021	17:10:48	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0130.AVI	17/10/2021 22:28	17/10/2021	22:28:36	Mammal	Rattus sp.	1	NA
Site II	CT_12	05/11/2021	IMG_0131.AVI	18/10/2021 07:00	17/10/2021	07:00:36	Mammal	Tupaia glis	1	NA
Site II	CT_12	05/11/2021	IMG_0132.AVI	18/10/2021 07:08	17/10/2021	07:08:20	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0133.AVI	18/10/2021 07:57	17/10/2021	07:57:10	Bird	Gallus gallus	3	NA
Site II	CT_12	05/11/2021	IMG_0134.AVI	18/10/2021 10:16	18/10/2021	10:16:26	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0135.AVI	18/10/2021 11:36	18/10/2021	11:36:44	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0136.AVI	18/10/2021 15:05	18/10/2021	15:05:10	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0137.AVI	18/10/2021 17:44	18/10/2021	17:44:56	Mammal	Tupaia glis	1	NA
Site II	CT_12	05/11/2021	IMG_0138.AVI	18/10/2021 18:32	18/10/2021	18:32:26	Mammal	Tupaia glis	1	NA
Site II	CT_12	05/11/2021	IMG_0139.AVI	19/10/2021 08:15	19/10/2021	08:16:02	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0140.AVI	19/10/2021 11:09	19/10/2021	11:10:08	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0141.AVI	19/10/2021 11:20	19/10/2021	11:21:02	Mammal	Macaca fascicularis	2	NA
Site II	CT_12	05/11/2021	IMG_0142.AVI	19/10/2021 11:21	19/10/2021	11:21:24	Mammal	Macaca fascicularis	2	NA
Site II	CT_12	05/11/2021	IMG_0143.AVI	19/10/2021 11:21	19/10/2021	11:21:52	Mammal	Macaca fascicularis	2	NA
Site II	CT_12	05/11/2021	IMG_0144.AVI	19/10/2021 11:22	19/10/2021	11:22:14	Mammal	Macaca fascicularis	2	NA
Site II	CT_12	05/11/2021	IMG_0145.AVI	19/10/2021 11:22	19/10/2021	11:22:42	Mammal	Macaca fascicularis	1	NA
Site II	CT_12	05/11/2021	IMG_0146.AVI	19/10/2021 11:24	19/10/2021	11:24:22	Mammal	Macaca fascicularis	2	NA
Site II	CT_12	05/11/2021	IMG_0147.AVI	19/10/2021 13:17	19/10/2021	13:17:48	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0148.AVI	19/10/2021 14:33	19/10/2021	14:33:42	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0149.AVI	20/10/2021 09:55	20/10/2021	09:55:54	Mammal	Tupaia glis	1	NA
Site II	CT_12	05/11/2021	IMG_0150.AVI	20/10/2021 11:57	20/10/2021	11:57:42	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0150.AVI	20/10/2021 11:57	20/10/2021	11:57:42	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0151.AVI	21/10/2021 09:56	21/10/2021	09:56:10	Mammal	Callosciurus notatus	1	NA
Site II	CT_12	05/11/2021	IMG_0152.AVI	21/10/2021 17:23	21/10/2021	17:23:38	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0153.AVI	21/10/2021 18:05	21/10/2021	18:06:08	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0154.AVI	22/10/2021 08:14	22/10/2021	08:14:18	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0155.AVI	22/10/2021 08:57	22/10/2021	08:58:08	Mammal	Callosciurus notatus	1	NA
Site II	CT_12	05/11/2021	IMG_0156.AVI	22/10/2021 09:18	22/10/2021	09:18:52	Mammal	Tupaia glis	1	NA
Site II	CT_12	05/11/2021	IMG_0157.AVI	22/10/2021 14:56	22/10/2021	14:56:58	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0158.AVI	22/10/2021 14:58	22/10/2021	14:58:48	Bird	Gallus gallus (domestic)	1	NA

Location	Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
Site II	CT_12	05/11/2021	IMG_0159.AVI	22/10/2021 16:34	22/10/2021	16:34:26	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0160.AVI	22/10/2021 17:30	22/10/2021	17:30:10	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0161.AVI	23/10/2021 07:49	22/10/2021	07:49:16	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0162.AVI	23/10/2021 09:15	23/10/2021	09:15:24	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0163.AVI	23/10/2021 09:16	23/10/2021	09:16:20	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0164.AVI	23/10/2021 09:48	23/10/2021	09:48:48	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0166.AVI	24/10/2021 12:19	24/10/2021	12:20:02	Mammal	Callosciurus notatus	1	NA
Site II	CT_12	05/11/2021	IMG_0168.AVI	24/10/2021 15:36	24/10/2021	15:36:32	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0169.AVI	24/10/2021 16:29	24/10/2021	16:29:24	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0170.AVI	24/10/2021 18:08	24/10/2021	18:08:58	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0171.AVI	25/10/2021 07:59	24/10/2021	08:00:02	Bird	Gallus gallus (domestic)	1	NA
Site II	CT_12	05/11/2021	IMG_0172.AVI	25/10/2021 09:16	25/10/2021	09:16:22	Mammal	Tupaia glis	1	NA
Site II	CT_12	05/11/2021	IMG_0173.AVI	26/10/2021 08:32	26/10/2021	08:32:14	Mammal	Tupaia glis	1	NA
Site II	CT_12	05/11/2021	IMG_0174.AVI	26/10/2021 15:29	26/10/2021	15:29:34	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0175.AVI	26/10/2021 18:28	26/10/2021	18:28:28	Mammal	Tupaia glis	1	NA
Site II	CT_12	05/11/2021	IMG_0176.AVI	26/10/2021 19:24	26/10/2021	19:24:22	Mammal	Rattus sp.	1	NA
Site II	CT_12	05/11/2021	IMG_0177.AVI	27/10/2021 13:18	27/10/2021	13:19:00	Mammal	Callosciurus notatus	1	NA
Site II	CT_12	05/11/2021	IMG_0178.AVI	27/10/2021 15:52	27/10/2021	15:52:20	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0179.AVI	28/10/2021 16:22	28/10/2021	16:22:52	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0180.AVI	29/10/2021 17:34	29/10/2021	17:35:08	Mammal	Callosciurus notatus	1	NA
Site II	CT_12	05/11/2021	IMG_0181.AVI	29/10/2021 17:36	29/10/2021	17:37:06	Mammal	Callosciurus notatus	1	NA
Site II	CT_12	05/11/2021	IMG_0182.AVI	30/10/2021 11:06	30/10/2021	11:06:36	Mammal	Callosciurus notatus	1	NA
Site II	CT_12	05/11/2021	IMG_0183.AVI	30/10/2021 13:28	30/10/2021	13:28:22	Mammal	Callosciurus notatus	1	NA
Site II	CT_12	05/11/2021	IMG_0184.AVI	30/10/2021 15:49	30/10/2021	15:49:18	Mammal	Callosciurus notatus	1	NA
Site II	CT_12	05/11/2021	IMG_0185.AVI	31/10/2021 06:59	30/10/2021	06:59:52	Mammal	Tupaia glis	1	NA
Site II	CT_12	05/11/2021	IMG_0186.AVI	31/10/2021 18:04	31/10/2021	18:04:20	Mammal	Tupaia glis	1	NA
Site II	CT_12	05/11/2021	IMG_0187.AVI	31/10/2021 18:06	31/10/2021	18:06:26	Mammal	Tupaia glis	1	NA
Site II	CT_12	05/11/2021	IMG_0188.AVI	02/11/2021 18:08	02/11/2021	18:08:34	Mammal	Tupaia glis	1	NA
Site II	CT_12	05/11/2021	IMG_0189.AVI	03/11/2021 15:41	03/11/2021	15:41:12	Bird	Gallus gallus	1	NA
Site II	CT_12	05/11/2021	IMG_0191.AVI	05/11/2021 07:38	04/11/2021	07:39:06	Bird	Gallus gallus	3	NA
Site II	CT_12	05/11/2021	IMG_0192.AVI	05/11/2021 08:06	05/11/2021	08:06:20	Bird	Gallus gallus	1	NA
Site II	CT_12	23/11/2021	IMG_0005.AVI	06/11/2021 18:13	06/11/2021	18:14:08	Mammal	Callosciurus notatus	1	NA
Site II	CT_12	23/11/2021	IMG_0006.AVI	07/11/2021 18:02	07/11/2021	18:02:44	Mammal	Tupaia glis	1	NA
Site II	CT_12	23/11/2021	IMG_0007.AVI	07/11/2021 18:31	07/11/2021	18:32:00	Bird	Gallus gallus	1	NA
Site II	CT_12	23/11/2021	IMG_0010.AVI	14/11/2021 12:12	14/11/2021	12:12:40	Mammal	Callosciurus notatus	1	NA
Site II	CT_12	23/11/2021	IMG_0011.AVI	16/11/2021 18:27	16/11/2021	18:27:34	Mammal	Callosciurus notatus	2	NA
Site II	CT_12	23/11/2021	IMG_0012.AVI	17/11/2021 18:29	17/11/2021	18:29:24	NA	Unidentified sp.	1	NA
Site II	CT_12	23/11/2021	IMG_0013.AVI	18/11/2021 13:05	18/11/2021	13:05:54	Bird	Gallus gallus	1	NA
Site II	CT_12	23/11/2021	IMG_0015.AVI	22/11/2021 17:55	22/11/2021	17:55:56	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	01/10/2021	IMG_0012.AVI	25/09/2021 12:28	25/09/2021	12:28:46	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	01/10/2021	IMG_0013.AVI	25/09/2021 14:06	25/09/2021	14:06:32	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	01/10/2021	IMG_0014.AVI	25/09/2021 14:51	25/09/2021	14:51:50	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	01/10/2021	IMG_0015.AVI	25/09/2021 16:33	25/09/2021	16:33:18	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	01/10/2021	IMG_0019.AVI	25/09/2021 18:30	25/09/2021	18:30:50	Mammal	Rattus sp.	1	NA
Site I	CT_13	01/10/2021	IMG_0020.AVI	26/09/2021 13:37	26/09/2021	13:38:08	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	01/10/2021	IMG_0021.AVI	26/09/2021 21:29	26/09/2021	21:29:56	Mammal	Rattus sp.	1	NA
Site I	CT_13	01/10/2021	IMG_0022.AVI	28/09/2021 04:20	27/09/2021	04:20:42	Mammal	Manis javanica	1	NA
Site I	CT_13	01/10/2021	IMG_0032.AVI	28/09/2021 13:30	28/09/2021	13:30:30	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	01/10/2021	IMG_0036.AVI	29/09/2021 12:40	29/09/2021	12:40:36	Reptile	Varanus nebulosus	1	NA
Site I	CT_13	01/10/2021	IMG_0038.AVI	29/09/2021 16:27	29/09/2021	16:27:24	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	01/10/2021	IMG_0039.AVI	30/09/2021 04:05	29/09/2021	04:05:28	Mammal	Manis javanica	1	NA
Site I	CT_13	01/10/2021	IMG_0040.AVI	30/09/2021 20:27	30/09/2021	20:27:18	Mammal	Rattus sp.	1	NA
Site I	CT_13	05/11/2021	IMG_0011.AVI	04/10/2021 17:51	04/10/2021	17:51:56	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0012.AVI	04/10/2021 17:52	04/10/2021	17:53:08	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0013.AVI	05/10/2021 11:03	05/10/2021	11:03:56	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0014.AVI	08/10/2021 18:06	08/10/2021	18:06:50	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0016.AVI	08/10/2021 18:40	08/10/2021	18:41:04	Mammal	Callosciurus notatus	1	NA

Location	Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
Site I	CT_13	05/11/2021	IMG_0017.AVI	09/10/2021 15:17	09/10/2021	15:17:14	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0018.AVI	09/10/2021 15:29	09/10/2021	15:29:14	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0019.AVI	09/10/2021 15:48	09/10/2021	15:48:48	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0020.AVI	09/10/2021 15:50	09/10/2021	15:51:00	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0021.AVI	09/10/2021 15:57	09/10/2021	15:57:58	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0022.AVI	09/10/2021 17:05	09/10/2021	17:05:32	Mammal	Callosciurus notatus	2	NA
Site I	CT_13	05/11/2021	IMG_0023.AVI	09/10/2021 17:12	09/10/2021	17:12:48	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0024.AVI	09/10/2021 17:30	09/10/2021	17:30:46	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0025.AVI	09/10/2021 17:31	09/10/2021	17:31:16	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0026.AVI	09/10/2021 17:52	09/10/2021	17:52:54	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0027.AVI	09/10/2021 17:53	09/10/2021	17:54:00	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0028.AVI	09/10/2021 17:58	09/10/2021	17:58:40	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0030.AVI	10/10/2021 14:27	10/10/2021	14:27:42	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0031.AVI	11/10/2021 17:29	11/10/2021	17:29:58	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0034.AVI	11/10/2021 18:17	11/10/2021	18:17:44	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0035.AVI	12/10/2021 07:10	11/10/2021	07:10:36	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0035.AVI	12/10/2021 07:10	11/10/2021	07:10:36	Mammal	Unidentified squirrel or treeshrew	1	NA
Site I	CT_13	05/11/2021	IMG_0036.AVI	14/10/2021 15:18	14/10/2021	15:18:20	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0038.AVI	14/10/2021 16:42	14/10/2021	16:42:20	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0039.AVI	14/10/2021 16:45	14/10/2021	16:45:46	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0040.AVI	14/10/2021 17:28	14/10/2021	17:28:54	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0041.AVI	14/10/2021 17:41	14/10/2021	17:41:34	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0042.AVI	14/10/2021 18:01	14/10/2021	18:01:18	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0043.AVI	15/10/2021 08:40	15/10/2021	08:40:46	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0048.AVI	15/10/2021 12:00	15/10/2021	12:00:44	Reptile	Varanus nebulosus	1	NA
Site I	CT_13	05/11/2021	IMG_0050.AVI	15/10/2021 17:30	15/10/2021	17:30:58	Mammal	Unidentified squirrel or treeshrew	1	NA
Site I	CT_13	05/11/2021	IMG_0051.AVI	15/10/2021 17:43	15/10/2021	17:44:06	Mammal	Unidentified squirrel or treeshrew	1	NA
Site I	CT_13	05/11/2021	IMG_0053.AVI	16/10/2021 13:12	16/10/2021	13:12:56	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0054.AVI	16/10/2021 13:15	16/10/2021	13:16:06	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0055.AVI	16/10/2021 18:10	16/10/2021	18:11:02	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0056.AVI	16/10/2021 18:34	16/10/2021	18:34:56	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0057.AVI	17/10/2021 14:54	17/10/2021	14:54:56	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0058.AVI	19/10/2021 15:53	19/10/2021	15:53:14	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0059.AVI	19/10/2021 17:13	19/10/2021	17:13:20	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0060.AVI	19/10/2021 17:23	19/10/2021	17:23:34	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0061.AVI	19/10/2021 17:24	19/10/2021	17:24:14	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0062.AVI	19/10/2021 17:59	19/10/2021	17:59:26	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0064.AVI	23/10/2021 11:18	23/10/2021	11:18:46	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0065.AVI	23/10/2021 11:19	23/10/2021	11:19:42	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0066.AVI	23/10/2021 13:12	23/10/2021	13:12:48	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0067.AVI	24/10/2021 01:04	23/10/2021	01:04:32	Mammal	Rattus sp.	1	NA
Site I	CT_13	05/11/2021	IMG_0068.AVI	25/10/2021 09:31	25/10/2021	09:31:36	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0069.AVI	25/10/2021 10:44	25/10/2021	10:45:02	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0071.AVI	25/10/2021 15:35	25/10/2021	15:35:30	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0072.AVI	26/10/2021 15:32	26/10/2021	15:32:46	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0073.AVI	26/10/2021 17:13	26/10/2021	17:14:02	Bird	Gallus gallus	1	NA
Site I	CT_13	05/11/2021	IMG_0074.AVI	27/10/2021 18:11	27/10/2021	18:11:40	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0075.AVI	28/10/2021 08:03	28/10/2021	08:04:04	Bird	Gallus gallus	1	NA
Site I	CT_13	05/11/2021	IMG_0076.AVI	29/10/2021 16:24	29/10/2021	16:24:32	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0081.AVI	02/11/2021 13:02	02/11/2021	13:02:40	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0085.AVI	04/11/2021 17:36	04/11/2021	17:36:20	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0086.AVI	05/11/2021 07:57	04/11/2021	07:57:40	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0087.AVI	05/11/2021 09:59	05/11/2021	09:59:24	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	05/11/2021	IMG_0088.AVI	05/11/2021 09:59	05/11/2021	09:59:56	Mammal	Callosciurus notatus	1	NA

Location	Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
Site I	CT_13	05/11/2021	IMG_0089.AVI	05/11/2021 12:33	05/11/2021	12:33:52	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0007.AVI	05/11/2021 14:35	05/11/2021	14:35:44	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0008.AVI	05/11/2021 14:58	05/11/2021	14:58:48	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0009.AVI	05/11/2021 16:03	05/11/2021	16:03:56	Mammal	Unidentified squirrel or treeshrew	1	NA
Site I	CT_13	23/11/2021	IMG_0010.AVI	06/11/2021 13:00	06/11/2021	13:00:44	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0011.AVI	06/11/2021 16:10	06/11/2021	16:11:06	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0012.AVI	06/11/2021 16:12	06/11/2021	16:12:24	Mammal	Tupaia glis	1	NA
Site I	CT_13	23/11/2021	IMG_0013.AVI	06/11/2021 16:22	06/11/2021	16:22:54	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0014.AVI	06/11/2021 16:23	06/11/2021	16:23:34	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0015.AVI	06/11/2021 16:43	06/11/2021	16:43:36	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0017.AVI	06/11/2021 17:08	06/11/2021	17:08:28	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0018.AVI	06/11/2021 17:08	06/11/2021	17:08:50	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0019.AVI	06/11/2021 17:21	06/11/2021	17:21:14	Mammal	Unidentified squirrel or treeshrew	2	NA
Site I	CT_13	23/11/2021	IMG_0020.AVI	06/11/2021 17:23	06/11/2021	17:23:10	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0021.AVI	06/11/2021 17:23	06/11/2021	17:23:48	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0022.AVI	06/11/2021 17:46	06/11/2021	17:46:20	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0023.AVI	06/11/2021 17:46	06/11/2021	17:46:50	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0024.AVI	06/11/2021 18:06	06/11/2021	18:06:12	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0025.AVI	06/11/2021 18:14	06/11/2021	18:14:22	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0026.AVI	06/11/2021 18:18	06/11/2021	18:18:56	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0027.AVI	06/11/2021 18:22	06/11/2021	18:22:44	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0028.AVI	06/11/2021 18:24	06/11/2021	18:24:54	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0029.AVI	06/11/2021 18:33	06/11/2021	18:34:04	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0030.AVI	06/11/2021 18:34	06/11/2021	18:34:30	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0031.AVI	07/11/2021 10:09	07/11/2021	10:10:08	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0032.AVI	07/11/2021 10:10	07/11/2021	10:10:30	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0033.AVI	07/11/2021 10:49	07/11/2021	10:50:00	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0034.AVI	07/11/2021 10:50	07/11/2021	10:50:22	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0035.AVI	07/11/2021 11:14	07/11/2021	11:14:12	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0036.AVI	07/11/2021 11:14	07/11/2021	11:15:08	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0037.AVI	07/11/2021 15:36	07/11/2021	15:36:10	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0038.AVI	08/11/2021 18:38	08/11/2021	18:39:04	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0039.AVI	09/11/2021 06:57	08/11/2021	06:57:36	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0040.AVI	09/11/2021 08:31	09/11/2021	08:31:48	Bird	Gallus gallus	1	NA
Site I	CT_13	23/11/2021	IMG_0041.AVI	09/11/2021 11:51	09/11/2021	11:51:20	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0042.AVI	10/11/2021 12:31	10/11/2021	12:31:36	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0043.AVI	10/11/2021 12:32	10/11/2021	12:32:38	Mammal	Callosciurus notatus	1	NA
Site I	CT_13	23/11/2021	IMG_0044.AVI	27/12/2021 10:05	27/12/2021	10:05:41	Mammal	Tupaia glis	1	NA
Site I	CT_13	23/11/2021	IMG_0044.AVI	27/12/2021 10:05	27/12/2021	10:05:41	Bird	Gallus gallus	1	NA
Site I	CT_13	23/11/2021	IMG_0045.AVI	10/11/2021 12:35	10/11/2021	12:35:54	NA	Unidentified sp.	1	NA
Site I	CT_13	23/11/2021	IMG_0051.AVI	11/11/2021 07:03	10/11/2021	07:03:12	Bird	Larvivora cyane	1	NA
Site I	CT_13	23/11/2021	IMG_0052.AVI	11/11/2021 12:29	11/11/2021	12:29:40	Bird	Gallus gallus	1	NA
Site I	CT_13	23/11/2021	IMG_0053.AVI	12/11/2021 14:04	12/11/2021	14:05:04	Reptile	Varanus salvator	1	NA
Site I	CT_13	23/11/2021	IMG_0054.AVI	14/11/2021 14:29	14/11/2021	14:29:56	Reptile	Varanus salvator	1	NA
Site I	CT_13	23/11/2021	IMG_0055.AVI	14/11/2021 14:38	14/11/2021	14:38:48	Reptile	Varanus salvator	1	NA
Site III	CT_14	21/10/2021	IMG_0001.AVI	14/10/2021 13:46	14/10/2021	13:46:40	Bird	Amaurornis phoenicurus	2	NA
Site III	CT_14	21/10/2021	IMG_0002.AVI	14/10/2021 13:48	14/10/2021	13:48:44	Bird	Amaurornis phoenicurus	2	NA
Site III	CT_14	21/10/2021	IMG_0003.AVI	14/10/2021 13:48	14/10/2021	13:49:04	Bird	Amaurornis phoenicurus	2	NA
Site III	CT_14	21/10/2021	IMG_0005.AVI	14/10/2021 13:50	14/10/2021	13:50:16	Bird	Amaurornis phoenicurus	2	NA
Site III	CT_14	21/10/2021	IMG_0011.AVI	14/10/2021 13:52	14/10/2021	13:52:36	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	21/10/2021	IMG_0014.AVI	14/10/2021 13:53	14/10/2021	13:53:48	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	21/10/2021	IMG_0015.AVI	14/10/2021 13:54	14/10/2021	13:54:12	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	21/10/2021	IMG_0018.AVI	14/10/2021 15:08	14/10/2021	15:08:28	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	21/10/2021	IMG_0019.AVI	14/10/2021 15:18	14/10/2021	15:18:52	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	21/10/2021	IMG_0022.AVI	15/10/2021 08:50	15/10/2021	08:50:54	Bird	Amaurornis phoenicurus	1	NA

Location	Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
Site III	CT_14	21/10/2021	IMG_0024.AVI	15/10/2021 12:26	15/10/2021	12:26:14	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	21/10/2021	IMG_0025.AVI	15/10/2021 12:41	15/10/2021	12:41:24	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	21/10/2021	IMG_0026.AVI	15/10/2021 16:39	15/10/2021	16:39:46	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	21/10/2021	IMG_0027.AVI	16/10/2021 12:04	16/10/2021	12:04:20	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	21/10/2021	IMG_0031.AVI	16/10/2021 16:36	16/10/2021	16:36:46	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	21/10/2021	IMG_0032.AVI	18/10/2021 09:17	18/10/2021	09:18:08	Mammal	Callosciurus notatus	1	NA
Site III	CT_14	21/10/2021	IMG_0033.AVI	18/10/2021 18:13	18/10/2021	18:13:34	Mammal	Callosciurus notatus	1	NA
Site III	CT_14	21/10/2021	IMG_0034.AVI	19/10/2021 13:30	19/10/2021	13:30:38	Bird	Picus vittatus	1	NA
Site III	CT_14	21/10/2021	IMG_0034.AVI	19/10/2021 13:30	19/10/2021	13:30:38	Bird	Picus vittatus	1	NA
Site III	CT_14	21/10/2021	IMG_0035.AVI	19/10/2021 15:40	19/10/2021	15:40:34	Bird	Picus vittatus	1	NA
Site III	CT_14	21/10/2021	IMG_0036.AVI	19/10/2021 15:41	19/10/2021	15:41:26	Mammal	Rattus sp.	1	NA
Site III	CT_14	21/10/2021	IMG_0037.AVI	19/10/2021 15:41	19/10/2021	15:41:48	Mammal	Tupaia glis	1	NA
Site III	CT_14	21/10/2021	IMG_0038.AVI	20/10/2021 09:35	20/10/2021	09:35:32	Mammal	Tupaia glis	1	NA
Site III	CT_14	21/10/2021	IMG_0039.AVI	20/10/2021 20:23	20/10/2021	20:23:44	Mammal	Unidentified squirrel or treeshrew	1	NA
Site III	CT_14	25/11/2021	IMG_0004.AVI	01/01/2017 02:53	31/12/2016	02:53:30	Bird	Gallus gallus	4	NA
Site III	CT_14	25/11/2021	IMG_0006.AVI	04/01/2017 15:31	04/01/2017	15:31:24	Mammal	Rattus sp.	1	NA
Site III	CT_14	25/11/2021	IMG_0007.AVI	05/01/2017 04:37	04/01/2017	04:37:16	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	25/11/2021	IMG_0008.AVI	05/01/2017 06:38	04/01/2017	06:38:54	Mammal	Callosciurus notatus	1	NA
Site III	CT_14	25/11/2021	IMG_0009.AVI	05/01/2017 06:45	04/01/2017	06:45:16	Mammal	Callosciurus notatus	1	NA
Site III	CT_14	25/11/2021	IMG_0010.AVI	05/01/2017 07:00	04/01/2017	07:00:36	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	25/11/2021	IMG_0011.AVI	05/01/2017 12:10	05/01/2017	12:11:00	Mammal	Rattus sp.	1	NA
Site III	CT_14	25/11/2021	IMG_0012.AVI	05/01/2017 20:46	05/01/2017	20:46:54	Mammal	Rattus sp.	1	NA
Site III	CT_14	25/11/2021	IMG_0014.AVI	06/01/2017 04:16	05/01/2017	04:16:52	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	25/11/2021	IMG_0015.AVI	06/01/2017 13:46	06/01/2017	13:46:44	Mammal	Rattus sp.	1	NA
Site III	CT_14	25/11/2021	IMG_0016.AVI	06/01/2017 16:00	06/01/2017	16:00:44	Mammal	Rattus sp.	1	NA
Site III	CT_14	25/11/2021	IMG_0017.AVI	07/01/2017 00:53	06/01/2017	00:53:26	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	25/11/2021	IMG_0018.AVI	07/01/2017 02:34	06/01/2017	02:34:24	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	25/11/2021	IMG_0020.AVI	07/01/2017 03:55	06/01/2017	03:55:40	Mammal	Callosciurus notatus	1	NA
Site III	CT_14	25/11/2021	IMG_0021.AVI	07/01/2017 03:56	06/01/2017	03:56:40	Mammal	Callosciurus notatus	1	NA
Site III	CT_14	25/11/2021	IMG_0022.AVI	07/01/2017 06:00	06/01/2017	06:00:36	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	25/11/2021	IMG_0023.AVI	07/01/2017 07:51	06/01/2017	07:51:38	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	25/11/2021	IMG_0025.AVI	08/01/2017 09:12	08/01/2017	09:12:26	Bird	Gallus gallus	2	NA
Site III	CT_14	25/11/2021	IMG_0025.AVI	08/01/2017 09:12	08/01/2017	09:12:26	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	25/11/2021	IMG_0026.AVI	08/01/2017 09:51	08/01/2017	09:51:10	Bird	Gallus gallus	2	NA
Site III	CT_14	25/11/2021	IMG_0027.AVI	08/01/2017 12:09	08/01/2017	12:09:50	Mammal	Rattus sp.	1	NA
Site III	CT_14	25/11/2021	IMG_0028.AVI	09/01/2017 06:13	08/01/2017	06:13:56	Reptile	Varanus nebulosus	1	NA
Site III	CT_14	25/11/2021	IMG_0029.AVI	10/01/2017 03:24	09/01/2017	03:24:32	Mammal	Unidentified squirrel or treeshrew	1	NA
Site III	CT_14	25/11/2021	IMG_0030.AVI	10/01/2017 06:48	09/01/2017	06:48:22	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	25/11/2021	IMG_0032.AVI	10/01/2017 09:35	10/01/2017	09:35:18	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	25/11/2021	IMG_0033.AVI	11/01/2017 07:17	10/01/2017	07:17:42	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	25/11/2021	IMG_0036.AVI	14/01/2017 03:34	13/01/2017	03:34:54	Mammal	Tupaia glis	1	NA
Site III	CT_14	25/11/2021	IMG_0037.AVI	14/01/2017 05:34	13/01/2017	05:34:38	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	25/11/2021	IMG_0038.AVI	14/01/2017 07:08	13/01/2017	07:08:32	Mammal	Tupaia glis	1	NA
Site III	CT_14	25/11/2021	IMG_0039.AVI	14/01/2017 16:00	14/01/2017	16:01:04	Mammal	Rattus sp.	1	NA
Site III	CT_14	25/11/2021	IMG_0041.AVI	15/01/2017 05:41	14/01/2017	05:41:18	Bird	Spilopelia chinensis	1	NA
Site III	CT_14	25/11/2021	IMG_0042.AVI	15/01/2017 06:07	14/01/2017	06:07:44	Reptile	Varanus nebulosus	1	NA
Site III	CT_14	25/11/2021	IMG_0043.AVI	15/01/2017 14:57	15/01/2017	14:58:06	Mammal	Rattus sp.	1	NA
Site III	CT_14	25/11/2021	IMG_0044.AVI	16/01/2017 04:56	15/01/2017	04:56:42	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	25/11/2021	IMG_0046.AVI	16/01/2017 23:16	16/01/2017	23:16:26	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	25/11/2021	IMG_0047.AVI	17/01/2017 21:11	17/01/2017	21:11:20	Mammal	Paradoxurus musangus	1	NA
Site III	CT_14	25/11/2021	IMG_0048.AVI	17/01/2017 21:13	17/01/2017	21:13:36	Mammal	Paradoxurus musangus	1	NA
Site III	CT_14	25/11/2021	IMG_0049.AVI	18/01/2017 11:12	18/01/2017	11:12:44	NA	Unidentified sp.	1	NA
Site III	CT_14	25/11/2021	IMG_0050.AVI	18/01/2017 14:52	18/01/2017	14:52:16	NA	Unidentified sp.	1	NA
Site III	CT_14	25/11/2021	IMG_0051.AVI	19/01/2017 00:20	18/01/2017	00:21:06	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	25/11/2021	IMG_0052.AVI	19/01/2017 22:56	19/01/2017	22:56:28	Mammal	Tupaia glis	1	NA

Location	Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
Site III	CT_14	25/11/2021	IMG_0054.AVI	22/01/2017 09:49	22/01/2017	09:49:52	Bird	Gallus gallus	1	NA
Site III	CT_14	25/11/2021	IMG_0056.AVI	23/01/2017 10:24	23/01/2017	10:24:38	Bird	Gallus gallus	1	NA
Site III	CT_14	25/11/2021	IMG_0057.AVI	23/01/2017 10:25	23/01/2017	10:25:30	Bird	Gallus gallus	1	NA
Site III	CT_14	25/11/2021	IMG_0058.AVI	24/01/2017 08:14	24/01/2017	08:14:52	Mammal	Canis lupus familiaris	1	NA
Site III	CT_14	25/11/2021	IMG_0060.AVI	31/01/2017 00:55	30/01/2017	00:55:26	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	25/11/2021	IMG_0061.AVI	31/01/2017 05:25	30/01/2017	05:25:52	Mammal	Tupaia glis	1	NA
Site III	CT_14	25/11/2021	IMG_0062.AVI	01/02/2017 10:11	01/02/2017	10:11:12	Bird	Amaurornis phoenicurus	2	NA
Site III	CT_14	25/11/2021	IMG_0063.AVI	02/02/2017 00:24	01/02/2017	00:24:46	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	16/12/2021	IMG_0005.AVI	26/11/2021 13:44	26/11/2021	13:44:40	Bird	Acridotheres javanicus	1	NA
Site III	CT_14	16/12/2021	IMG_0006.AVI	26/11/2021 13:45	26/11/2021	13:45:32	Bird	Acridotheres javanicus	1	NA
Site III	CT_14	16/12/2021	IMG_0007.AVI	26/11/2021 13:57	26/11/2021	13:57:54	Bird	Acridotheres javanicus	1	NA
Site III	CT_14	16/12/2021	IMG_0008.AVI	27/11/2021 10:52	27/11/2021	10:53:00	Bird	Spilopelia chinensis	1	NA
Site III	CT_14	16/12/2021	IMG_0009.AVI	27/11/2021 19:57	27/11/2021	19:57:54	Mammal	Rattus sp.	1	NA
Site III	CT_14	16/12/2021	IMG_0010.AVI	28/11/2021 16:18	28/11/2021	16:18:28	Mammal	Callosciurus notatus	1	NA
Site III	CT_14	16/12/2021	IMG_0011.AVI	28/11/2021 16:20	28/11/2021	16:20:30	Mammal	Callosciurus notatus	1	NA
Site III	CT_14	16/12/2021	IMG_0012.AVI	30/11/2021 02:06	29/11/2021	02:06:48	Mammal	Rattus sp.	1	NA
Site III	CT_14	16/12/2021	IMG_0013.AVI	30/11/2021 02:07	29/11/2021	02:07:20	Mammal	Rattus sp.	1	NA
Site III	CT_14	16/12/2021	IMG_0014.AVI	30/11/2021 10:38	30/11/2021	10:38:20	Bird	Spilopelia chinensis	2	NA
Site III	CT_14	16/12/2021	IMG_0015.AVI	30/11/2021 15:54	30/11/2021	15:54:34	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	16/12/2021	IMG_0016.AVI	30/11/2021 17:13	30/11/2021	17:13:56	Mammal	Callosciurus notatus	1	NA
Site III	CT_14	16/12/2021	IMG_0017.AVI	01/12/2021 11:33	01/12/2021	11:33:54	Bird	Spilopelia chinensis	1	NA
Site III	CT_14	16/12/2021	IMG_0018.AVI	01/12/2021 13:36	01/12/2021	13:37:06	Mammal	Tupaia glis	1	NA
Site III	CT_14	16/12/2021	IMG_0019.AVI	01/12/2021 14:00	01/12/2021	14:00:10	Bird	Spilopelia chinensis	1	NA
Site III	CT_14	16/12/2021	IMG_0020.AVI	01/12/2021 14:29	01/12/2021	14:29:44	Bird	Amaurornis phoenicurus	2	NA
Site III	CT_14	16/12/2021	IMG_0021.AVI	01/12/2021 19:19	01/12/2021	19:20:04	Mammal	Rattus sp.	1	NA
Site III	CT_14	16/12/2021	IMG_0022.AVI	03/12/2021 17:39	03/12/2021	17:39:44	Mammal	Canis lupus familiaris	1	NA
Site III	CT_14	16/12/2021	IMG_0023.AVI	04/12/2021 14:36	04/12/2021	14:36:32	Mammal	Callosciurus notatus	1	NA
Site III	CT_14	16/12/2021	IMG_0024.AVI	04/12/2021 15:24	04/12/2021	15:24:26	Mammal	Callosciurus notatus	1	NA
Site III	CT_14	16/12/2021	IMG_0025.AVI	04/12/2021 15:24	04/12/2021	15:25:04	Mammal	Callosciurus notatus	1	NA
Site III	CT_14	16/12/2021	IMG_0026.AVI	04/12/2021 19:44	04/12/2021	19:44:50	Mammal	Rattus sp.	1	NA
Site III	CT_14	16/12/2021	IMG_0027.AVI	06/12/2021 10:41	06/12/2021	10:42:06	Bird	Spilopelia chinensis	1	NA
Site III	CT_14	16/12/2021	IMG_0029.AVI	07/12/2021 08:30	07/12/2021	08:30:26	Reptile	Eutropis multifasciata	1	NA
Site III	CT_14	16/12/2021	IMG_0030.AVI	07/12/2021 11:15	07/12/2021	11:15:58	Bird	Spilopelia chinensis	2	NA
Site III	CT_14	16/12/2021	IMG_0031.AVI	08/12/2021 08:31	08/12/2021	08:31:44	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	16/12/2021	IMG_0032.AVI	08/12/2021 08:36	08/12/2021	08:36:48	Mammal	Tupaia glis	1	NA
Site III	CT_14	16/12/2021	IMG_0033.AVI	08/12/2021 08:47	08/12/2021	08:47:46	Mammal	Tupaia glis	1	NA
Site III	CT_14	16/12/2021	IMG_0034.AVI	08/12/2021 13:56	08/12/2021	13:56:50	Bird	Chalcophaps indica	1	NA
Site III	CT_14	16/12/2021	IMG_0035.AVI	08/12/2021 15:38	08/12/2021	15:38:24	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	16/12/2021	IMG_0036.AVI	09/12/2021 11:18	09/12/2021	11:19:08	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	16/12/2021	IMG_0037.AVI	09/12/2021 11:20	09/12/2021	11:20:10	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	16/12/2021	IMG_0040.AVI	11/12/2021 11:48	11/12/2021	11:48:34	Bird	Spilopelia chinensis	1	NA
Site III	CT_14	16/12/2021	IMG_0041.AVI	11/12/2021 17:29	11/12/2021	17:29:38	Mammal	Tupaia glis	1	NA
Site III	CT_14	16/12/2021	IMG_0042.AVI	12/12/2021 10:10	12/12/2021	10:10:38	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	16/12/2021	IMG_0043.AVI	12/12/2021 18:20	12/12/2021	18:20:56	Bird	Amaurornis phoenicurus	1	NA
Site III	CT_14	16/12/2021	IMG_0044.AVI	13/12/2021 12:48	13/12/2021	12:49:08	Mammal	Tupaia glis	1	NA
Site III	CT_14	16/12/2021	IMG_0045.AVI	14/12/2021 06:56	13/12/2021	06:56:12	Bird	Amaurornis phoenicurus	2	NA
Site III	CT_14	16/12/2021	IMG_0046.AVI	14/12/2021 14:15	14/12/2021	14:15:50	Bird	Gallus gallus	1	NA
Site III	CT_14	16/12/2021	IMG_0046.AVI	14/12/2021 14:15	14/12/2021	14:15:50	Mammal	Tupaia glis	1	NA
Site III	CT_14	16/12/2021	IMG_0047.AVI	14/12/2021 14:43	14/12/2021	14:44:06	Mammal	Callosciurus notatus	1	NA
Site III	CT_14	16/12/2021	IMG_0048.AVI	14/12/2021 21:36	14/12/2021	21:36:52	Mammal	Rattus sp.	1	NA
Site III	CT_14	16/12/2021	IMG_0049.AVI	14/12/2021 21:39	14/12/2021	21:40:06	Mammal	Rattus sp.	1	NA
Site III	CT_14	16/12/2021	IMG_0050.AVI	15/12/2021 10:57	15/12/2021	10:57:36	Mammal	Macaca fascicularis	1	NA
Site III	CT_14	16/12/2021	IMG_0051.AVI	15/12/2021 19:03	15/12/2021	19:03:36	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	21/10/2021	IMG_0016.AVI	16/10/2021 14:11	16/10/2021	14:11:28	Mammal	Callosciurus notatus	1	NA
Site III (proximity)	CT_15	21/10/2021	IMG_0017.AVI	16/10/2021 17:19	16/10/2021	17:20:04	Mammal	Tupaia glis	2	NA
Site III (proximity)	CT_15	21/10/2021	IMG_0018.AVI	18/10/2021 09:28	18/10/2021	09:29:06	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0008.AVI	21/10/2021 17:52	21/10/2021	17:52:28	Bird	Gallus gallus	2	NA

Location	Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
Site III (proximity)	CT_15	25/11/2021	IMG_0009.AVI	23/10/2021 08:27	23/10/2021	08:27:54	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0010.AVI	23/10/2021 13:54	23/10/2021	13:54:52	Mammal	Callosciurus notatus	1	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0011.AVI	24/10/2021 12:09	24/10/2021	12:09:48	Mammal	Callosciurus notatus	1	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0012.AVI	24/10/2021 12:12	24/10/2021	12:12:22	Mammal	Callosciurus notatus	1	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0013.AVI	24/10/2021 12:13	24/10/2021	12:13:14	Mammal	Callosciurus notatus	1	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0014.AVI	30/10/2021 14:08	30/10/2021	14:08:38	Mammal	Callosciurus notatus	1	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0015.AVI	03/11/2021 13:14	03/11/2021	13:14:20	Mammal	Callosciurus notatus	1	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0016.AVI	04/11/2021 10:53	04/11/2021	10:53:40	Bird	Picus vittatus	1	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0017.AVI	05/11/2021 08:41	05/11/2021	08:41:42	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0018.AVI	05/11/2021 15:39	05/11/2021	15:40:08	Bird	Gallus gallus	2	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0019.AVI	05/11/2021 15:40	05/11/2021	15:40:56	Bird	Gallus gallus (domestic)	1	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0020.AVI	05/11/2021 15:57	05/11/2021	15:58:00	Bird	Gallus gallus	2	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0021.AVI	06/11/2021 08:26	06/11/2021	08:26:34	Bird	Gallus gallus	3	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0022.AVI	09/11/2021 14:05	09/11/2021	14:05:24	Mammal	Callosciurus notatus	1	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0023.AVI	13/11/2021 10:28	13/11/2021	10:28:20	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0025.AVI	14/11/2021 17:12	14/11/2021	17:12:18	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0026.AVI	16/11/2021 12:55	16/11/2021	12:55:52	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0027.AVI	16/11/2021 12:56	16/11/2021	12:56:44	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0028.AVI	21/11/2021 13:27	21/11/2021	13:27:30	Mammal	Callosciurus notatus	1	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0029.AVI	21/11/2021 13:28	21/11/2021	13:28:50	Mammal	Callosciurus notatus	1	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0030.AVI	22/11/2021 13:07	22/11/2021	13:07:48	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0031.AVI	22/11/2021 16:55	22/11/2021	16:56:06	Bird	Gallus gallus	3	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0032.AVI	22/11/2021 16:56	22/11/2021	16:56:28	Bird	Gallus gallus	3	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0033.AVI	22/11/2021 16:56	22/11/2021	16:56:56	Bird	Gallus gallus	5	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0034.AVI	23/11/2021 07:14	22/11/2021	07:14:14	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0035.AVI	23/11/2021 07:21	22/11/2021	07:21:10	Mammal	Tupaia glis	1	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0036.AVI	23/11/2021 08:31	23/11/2021	08:31:22	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0037.AVI	23/11/2021 08:40	23/11/2021	08:40:16	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0038.AVI	25/11/2021 08:36	25/11/2021	08:36:10	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0039.AVI	25/11/2021 08:36	25/11/2021	08:36:32	Bird	Gallus gallus	3	NA
Site III (proximity)	CT_15	25/11/2021	IMG_0040.AVI	25/11/2021 14:33	25/11/2021	14:33:54	Mammal	Tupaia glis	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0003.AVI	25/11/2021 21:46	25/11/2021	21:46:32	Mammal	Rattus sp.	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0004.AVI	26/11/2021 08:23	26/11/2021	08:23:30	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0005.AVI	26/11/2021 08:40	26/11/2021	08:40:24	Bird	Gallus gallus	2	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0006.AVI	26/11/2021 08:42	26/11/2021	08:42:20	Bird	Gallus gallus	2	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0007.AVI	26/11/2021 10:31	26/11/2021	10:31:52	Bird	Gallus gallus	3	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0008.AVI	26/11/2021 10:50	26/11/2021	10:50:18	Mammal	Unidentified squirrel or shrew	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0009.AVI	26/11/2021 16:39	26/11/2021	16:39:40	Mammal	Unidentified squirrel or shrew	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0010.AVI	26/11/2021 17:23	26/11/2021	17:23:14	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0011.AVI	26/11/2021 17:51	26/11/2021	17:52:06	Bird	Gallus gallus	2	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0012.AVI	27/11/2021 07:21	26/11/2021	07:22:00	Bird	Gallus gallus	2	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0013.AVI	27/11/2021 07:27	26/11/2021	07:27:16	Bird	Gallus gallus	2	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0014.AVI	27/11/2021 08:11	27/11/2021	08:11:12	Bird	Gallus gallus	3	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0015.AVI	27/11/2021 08:48	27/11/2021	08:48:42	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0016.AVI	27/11/2021 09:21	27/11/2021	09:21:54	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0017.AVI	27/11/2021 10:10	27/11/2021	10:10:40	Mammal	Tupaia glis	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0018.AVI	27/11/2021 10:19	27/11/2021	10:19:12	Bird	Gallus gallus	2	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0019.AVI	27/11/2021 13:43	27/11/2021	13:43:30	Bird	Gallus gallus	2	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0020.AVI	27/11/2021 14:49	27/11/2021	14:49:36	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0021.AVI	27/11/2021 18:18	27/11/2021	18:18:20	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0023.AVI	28/11/2021 07:56	27/11/2021	07:56:42	Bird	Gallus gallus	2	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0024.AVI	28/11/2021 09:08	28/11/2021	09:08:28	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0025.AVI	28/11/2021 09:13	28/11/2021	09:13:26	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0026.AVI	28/11/2021 09:19	28/11/2021	09:19:56	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0027.AVI	28/11/2021 09:20	28/11/2021	09:20:40	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0028.AVI	28/11/2021 09:29	28/11/2021	09:29:44	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0029.AVI	28/11/2021 09:55	28/11/2021	09:55:34	Bird	Amaurornis phoenicurus	1	NA

Location	Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
Site III (proximity)	CT_15	16/12/2021	IMG_0030.AVI	28/11/2021 10:16	28/11/2021	10:16:12	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0031.AVI	28/11/2021 13:03	28/11/2021	13:03:44	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0032.AVI	28/11/2021 14:04	28/11/2021	14:04:54	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0033.AVI	28/11/2021 14:06	28/11/2021	14:06:38	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0034.AVI	28/11/2021 15:21	28/11/2021	15:21:58	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0035.AVI	28/11/2021 15:23	28/11/2021	15:23:40	Bird	Gallus gallus	2	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0036.AVI	28/11/2021 15:23	28/11/2021	15:24:00	Bird	Gallus gallus	2	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0037.AVI	28/11/2021 15:25	28/11/2021	15:25:24	Bird	Gallus gallus	2	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0038.AVI	28/11/2021 15:25	28/11/2021	15:25:54	Bird	Gallus gallus	2	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0039.AVI	28/11/2021 15:26	28/11/2021	15:26:16	Bird	Gallus gallus	2	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0040.AVI	28/11/2021 15:26	28/11/2021	15:26:38	Bird	Gallus gallus	2	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0041.AVI	28/11/2021 15:26	28/11/2021	15:27:00	Bird	Gallus gallus	2	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0042.AVI	28/11/2021 15:27	28/11/2021	15:27:34	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0043.AVI	28/11/2021 15:38	28/11/2021	15:39:06	Bird	Gallus gallus	2	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0044.AVI	28/11/2021 15:39	28/11/2021	15:39:50	Bird	Gallus gallus	2	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0045.AVI	28/11/2021 15:40	28/11/2021	15:40:28	Bird	Gallus gallus	2	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0046.AVI	28/11/2021 15:41	28/11/2021	15:41:22	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0047.AVI	28/11/2021 15:54	28/11/2021	15:54:18	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0048.AVI	28/11/2021 16:48	28/11/2021	16:48:54	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0049.AVI	28/11/2021 16:49	28/11/2021	16:49:50	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0050.AVI	29/11/2021 08:28	29/11/2021	08:28:32	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0051.AVI	29/11/2021 08:28	29/11/2021	08:28:52	Bird	Gallus gallus	2	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0052.AVI	29/11/2021 08:33	29/11/2021	08:33:32	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0053.AVI	29/11/2021 08:34	29/11/2021	08:34:22	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0054.AVI	29/11/2021 08:34	29/11/2021	08:34:46	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0055.AVI	29/11/2021 08:35	29/11/2021	08:35:18	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0056.AVI	29/11/2021 08:35	29/11/2021	08:35:40	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0057.AVI	29/11/2021 08:35	29/11/2021	08:36:00	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0058.AVI	29/11/2021 08:36	29/11/2021	08:36:24	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0059.AVI	29/11/2021 08:36	29/11/2021	08:36:48	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0060.AVI	29/11/2021 08:37	29/11/2021	08:37:12	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0061.AVI	29/11/2021 08:37	29/11/2021	08:37:34	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0062.AVI	29/11/2021 08:37	29/11/2021	08:37:56	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0063.AVI	29/11/2021 08:38	29/11/2021	08:38:18	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0064.AVI	29/11/2021 08:38	29/11/2021	08:38:38	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0065.AVI	29/11/2021 08:38	29/11/2021	08:39:02	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0066.AVI	29/11/2021 08:51	29/11/2021	08:51:14	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0067.AVI	29/11/2021 08:52	29/11/2021	08:52:18	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0072.AVI	29/11/2021 16:27	29/11/2021	16:27:40	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0073.AVI	29/11/2021 16:38	29/11/2021	16:39:02	Mammal	Tupaia glis	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0074.AVI	30/11/2021 07:13	29/11/2021	07:13:56	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0075.AVI	30/11/2021 07:17	29/11/2021	07:17:56	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0076.AVI	30/11/2021 07:23	29/11/2021	07:24:06	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0077.AVI	30/11/2021 08:12	30/11/2021	08:12:46	Bird	Gallus gallus	2	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0078.AVI	30/11/2021 08:13	30/11/2021	08:13:18	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0079.AVI	30/11/2021 08:13	30/11/2021	08:13:50	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0080.AVI	30/11/2021 08:14	30/11/2021	08:14:14	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0081.AVI	30/11/2021 08:15	30/11/2021	08:15:50	NA	Unidentified sp.	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0082.AVI	30/11/2021 09:36	30/11/2021	09:36:22	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0083.AVI	30/11/2021 16:32	30/11/2021	16:32:16	Mammal	Callosciurus notatus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0084.AVI	30/11/2021 16:32	30/11/2021	16:32:50	Mammal	Callosciurus notatus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0085.AVI	30/11/2021 16:33	30/11/2021	16:33:48	Mammal	Callosciurus notatus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0086.AVI	30/11/2021 16:34	30/11/2021	16:34:10	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0087.AVI	30/11/2021 16:35	30/11/2021	16:35:18	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0088.AVI	30/11/2021 16:59	30/11/2021	16:59:14	Mammal	Unidentified squirrel or shrew	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0089.AVI	30/11/2021 17:49	30/11/2021	17:49:30	Bird	Gallus gallus	3	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0090.AVI	30/11/2021 17:51	30/11/2021	17:51:28	Bird	Gallus gallus	2	NA

Location	Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
Site III (proximity)	CT_15	16/12/2021	IMG_0091.AVI	01/12/2021 07:20	30/11/2021	07:20:36	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0092.AVI	01/12/2021 07:40	30/11/2021	07:40:52	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0093.AVI	01/12/2021 08:14	01/12/2021	08:14:38	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0094.AVI	01/12/2021 13:05	01/12/2021	13:06:08	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0096.AVI	01/12/2021 17:16	01/12/2021	17:16:44	Bird	Amaurornis phoenicurus	2	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0097.AVI	01/12/2021 21:46	01/12/2021	21:46:10	Mammal	Rattus sp.	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0098.AVI	02/12/2021 13:24	02/12/2021	13:25:08	Bird	Gallus gallus	2	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0099.AVI	02/12/2021 13:25	02/12/2021	13:25:38	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0100.AVI	02/12/2021 14:16	02/12/2021	14:16:14	Bird	Gallus gallus	5	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0101.AVI	02/12/2021 14:39	02/12/2021	14:39:44	Mammal	Callosciurus notatus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0102.AVI	03/12/2021 08:56	03/12/2021	08:56:18	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0103.AVI	03/12/2021 09:04	03/12/2021	09:04:54	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0104.AVI	03/12/2021 09:20	03/12/2021	09:20:38	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0105.AVI	03/12/2021 09:25	03/12/2021	09:25:20	Bird	Gallus gallus	4	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0106.AVI	03/12/2021 10:16	03/12/2021	10:16:44	Mammal	Callosciurus notatus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0107.AVI	03/12/2021 18:24	03/12/2021	18:24:26	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0109.AVI	04/12/2021 10:08	04/12/2021	10:08:32	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0110.AVI	04/12/2021 13:51	04/12/2021	13:51:58	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0111.AVI	04/12/2021 15:33	04/12/2021	15:33:28	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0112.AVI	04/12/2021 15:53	04/12/2021	15:53:50	Bird	Gallus gallus	6	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0113.AVI	05/12/2021 07:10	04/12/2021	07:10:50	Bird	Gallus gallus	2	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0114.AVI	05/12/2021 07:11	04/12/2021	07:12:02	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0115.AVI	05/12/2021 07:13	04/12/2021	07:13:14	Mammal	Tupaia glis	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0116.AVI	05/12/2021 07:24	04/12/2021	07:24:48	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0117.AVI	05/12/2021 07:25	04/12/2021	07:25:18	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0118.AVI	05/12/2021 07:25	04/12/2021	07:25:50	Bird	Gallus gallus	2	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0119.AVI	05/12/2021 07:26	04/12/2021	07:26:16	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0120.AVI	05/12/2021 09:23	05/12/2021	09:23:16	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0121.AVI	05/12/2021 15:29	05/12/2021	15:29:42	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0122.AVI	05/12/2021 15:34	05/12/2021	15:35:04	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0123.AVI	06/12/2021 11:29	06/12/2021	11:29:20	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0124.AVI	06/12/2021 12:59	06/12/2021	12:59:52	Mammal	Callosciurus notatus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0125.AVI	07/12/2021 07:36	06/12/2021	07:36:48	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0126.AVI	07/12/2021 09:58	07/12/2021	09:58:58	Bird	Gallus gallus	7	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0127.AVI	07/12/2021 10:18	07/12/2021	10:19:06	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0128.AVI	07/12/2021 10:19	07/12/2021	10:20:04	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0129.AVI	07/12/2021 10:34	07/12/2021	10:34:10	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0130.AVI	07/12/2021 16:58	07/12/2021	16:59:08	Mammal	Tupaia glis	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0131.AVI	07/12/2021 16:59	07/12/2021	17:00:00	Mammal	Tupaia glis	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0131.AVI	07/12/2021 16:59	07/12/2021	17:00:00	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0132.AVI	08/12/2021 09:07	08/12/2021	09:08:00	Mammal	Tupaia glis	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0136.AVI	08/12/2021 10:24	08/12/2021	10:24:20	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0137.AVI	08/12/2021 16:06	08/12/2021	16:06:56	Bird	Gallus gallus	3	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0138.AVI	08/12/2021 16:07	08/12/2021	16:07:24	Bird	Gallus gallus	2	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0139.AVI	08/12/2021 17:37	08/12/2021	17:37:26	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0140.AVI	09/12/2021 07:12	08/12/2021	07:13:04	Mammal	Tupaia glis	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0141.AVI	09/12/2021 07:18	08/12/2021	07:19:04	Mammal	Callosciurus notatus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0142.AVI	09/12/2021 09:13	09/12/2021	09:13:46	Bird	Gallus gallus	2	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0143.AVI	09/12/2021 12:07	09/12/2021	12:07:58	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0144.AVI	09/12/2021 13:16	09/12/2021	13:17:00	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0145.AVI	09/12/2021 13:24	09/12/2021	13:25:06	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0146.AVI	09/12/2021 15:47	09/12/2021	15:47:32	Mammal	Callosciurus notatus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0147.AVI	09/12/2021 17:06	09/12/2021	17:07:08	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0148.AVI	09/12/2021 18:10	09/12/2021	18:10:24	Bird	Gallus gallus	3	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0149.AVI	10/12/2021 15:55	10/12/2021	15:55:54	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0150.AVI	10/12/2021 15:56	10/12/2021	15:56:24	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0151.AVI	11/12/2021 07:07	10/12/2021	07:07:34	Bird	Gallus gallus	1	NA

Location	Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
Site III (proximity)	CT_15	16/12/2021	IMG_0152.AVI	11/12/2021 10:44	11/12/2021	10:44:58	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0153.AVI	11/12/2021 15:28	11/12/2021	15:28:26	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0154.AVI	12/12/2021 11:02	12/12/2021	11:02:34	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0155.AVI	12/12/2021 13:01	12/12/2021	13:01:58	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0156.AVI	12/12/2021 13:36	12/12/2021	13:36:38	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0157.AVI	12/12/2021 16:26	12/12/2021	16:26:42	Mammal	Callosciurus notatus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0158.AVI	12/12/2021 16:28	12/12/2021	16:28:10	Mammal	Callosciurus notatus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0159.AVI	12/12/2021 17:12	12/12/2021	17:12:56	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0160.AVI	12/12/2021 17:31	12/12/2021	17:31:34	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0161.AVI	13/12/2021 09:10	13/12/2021	09:11:02	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0162.AVI	13/12/2021 09:40	13/12/2021	09:40:14	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0163.AVI	13/12/2021 09:52	13/12/2021	09:52:54	Bird	Gallus gallus	2	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0164.AVI	13/12/2021 10:06	13/12/2021	10:06:46	Mammal	Unidentified squirrel or shrew	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0165.AVI	13/12/2021 10:07	13/12/2021	10:07:30	Mammal	Callosciurus notatus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0166.AVI	13/12/2021 10:17	13/12/2021	10:17:44	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0167.AVI	13/12/2021 11:13	13/12/2021	11:13:38	Bird	Amaurornis phoenicurus	2	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0169.AVI	13/12/2021 16:49	13/12/2021	16:49:56	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0170.AVI	14/12/2021 14:04	14/12/2021	14:04:46	Mammal	Callosciurus notatus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0171.AVI	14/12/2021 14:08	14/12/2021	14:08:38	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0172.AVI	15/12/2021 17:33	15/12/2021	17:33:40	Bird	Amaurornis phoenicurus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0173.AVI	15/12/2021 18:23	15/12/2021	18:24:04	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0174.AVI	15/12/2021 18:28	15/12/2021	18:28:34	Bird	Gallus gallus	1	NA
Site III (proximity)	CT_15	16/12/2021	IMG_0175.AVI	16/12/2021 07:44	15/12/2021	07:44:42	Bird	Amaurornis phoenicurus	1	NA
Site I	CT_19	23/11/2021	IMG_0058.AVI	15/11/2021 09:33	15/11/2021	09:33:26	Mammal	Unidentified squirrel or shrew	1	NA
Site I	CT_19	23/11/2021	IMG_0064.AVI	15/11/2021 09:36	15/11/2021	09:36:18	Mammal	Unidentified squirrel or shrew	1	NA
Site I	CT_19	23/11/2021	IMG_0065.AVI	15/11/2021 09:36	15/11/2021	09:36:40	Mammal	Unidentified squirrel or shrew	1	NA
Site I	CT_19	23/11/2021	IMG_0067.AVI	15/11/2021 09:42	15/11/2021	09:42:12	Mammal	Unidentified squirrel or shrew	1	NA
Site I	CT_19	23/11/2021	IMG_0069.AVI	15/11/2021 09:42	15/11/2021	09:43:02	Mammal	Unidentified squirrel or shrew	1	NA
Site I	CT_19	23/11/2021	IMG_0072.AVI	15/11/2021 09:50	15/11/2021	09:50:24	Mammal	Unidentified squirrel or shrew	1	NA
Site I	CT_19	23/11/2021	IMG_0074.AVI	15/11/2021 09:53	15/11/2021	09:53:10	Mammal	Unidentified squirrel or shrew	1	NA
Site I	CT_19	23/11/2021	IMG_0076.AVI	15/11/2021 09:54	15/11/2021	09:55:06	Mammal	Unidentified squirrel or shrew	1	NA
Site I	CT_19	23/11/2021	IMG_0077.AVI	15/11/2021 09:55	15/11/2021	09:55:34	Mammal	Unidentified squirrel or shrew	1	NA
Site I	CT_19	23/11/2021	IMG_0086.AVI	15/11/2021 10:00	15/11/2021	10:00:12	Mammal	Unidentified squirrel or shrew	1	NA
Site I	CT_19	23/11/2021	IMG_0087.AVI	15/11/2021 10:00	15/11/2021	10:00:46	Mammal	Unidentified squirrel or shrew	1	NA
Site I	CT_19	23/11/2021	IMG_0090.AVI	15/11/2021 10:02	15/11/2021	10:02:42	Mammal	Unidentified squirrel or shrew	2	NA
Site I	CT_19	23/11/2021	IMG_0095.AVI	15/11/2021 10:04	15/11/2021	10:05:00	Mammal	Unidentified squirrel or shrew	1	NA
Site I	CT_19	23/11/2021	IMG_0096.AVI	15/11/2021 10:05	15/11/2021	10:05:22	Mammal	Unidentified squirrel or shrew	1	NA
Site I	CT_19	23/11/2021	IMG_0097.AVI	15/11/2021 10:05	15/11/2021	10:05:46	Mammal	Unidentified squirrel or shrew	2	NA
Site I	CT_19	23/11/2021	IMG_0106.AVI	15/11/2021 10:21	15/11/2021	10:21:52	Mammal	Unidentified squirrel or shrew	1	NA
Site I	CT_19	23/11/2021	IMG_0107.AVI	15/11/2021 10:22	15/11/2021	10:22:16	Mammal	Unidentified squirrel or shrew	1	NA
Site I	CT_19	23/11/2021	IMG_0114.AVI	15/11/2021 10:28	15/11/2021	10:28:10	Mammal	Unidentified squirrel or shrew	1	NA
Site I	CT_19	23/11/2021	IMG_0115.AVI	15/11/2021 10:28	15/11/2021	10:28:44	Mammal	Unidentified squirrel or shrew	1	NA
Site I	CT_19	23/11/2021	IMG_0116.AVI	15/11/2021 10:29	15/11/2021	10:29:12	Mammal	Unidentified squirrel or shrew	2	NA
Site I	CT_19	23/11/2021	IMG_0117.AVI	15/11/2021 10:29	15/11/2021	10:29:40	Mammal	Unidentified squirrel or shrew	1	NA
Site I	CT_19	23/11/2021	IMG_0133.AVI	15/11/2021 10:41	15/11/2021	10:41:22	Mammal	Unidentified squirrel or shrew	1	NA
Site I	CT_19	23/11/2021	IMG_0135.AVI	15/11/2021 10:43	15/11/2021	10:44:02	Mammal	Unidentified squirrel or shrew	1	NA
Site I	CT_19	23/11/2021	IMG_0292.AVI	15/11/2021 12:24	15/11/2021	12:24:18	Mammal	Unidentified squirrel or shrew	1	NA
Site I	CT_19	23/11/2021	IMG_0293.AVI	15/11/2021 12:24	15/11/2021	12:24:54	Mammal	Unidentified squirrel or shrew	1	NA
Site I	CT_19	23/11/2021	IMG_0294.AVI	15/11/2021 12:25	15/11/2021	12:25:18	Mammal	Unidentified squirrel or shrew	1	NA
Site I	CT_19	23/11/2021	IMG_0295.AVI	15/11/2021 12:26	15/11/2021	12:26:16	Mammal	Unidentified squirrel or shrew	1	NA
Site I	CT_19	23/11/2021	IMG_0300.AVI	15/11/2021 12:28	15/11/2021	12:28:40	Mammal	Unidentified squirrel or shrew	1	NA
Site I	CT_19	23/11/2021	IMG_0301.AVI	15/11/2021 12:28	15/11/2021	12:29:04	Mammal	Unidentified squirrel or shrew	1	NA
Site II	CT_23	01/10/2021	IMG_0013.AVI	24/09/2021 19:06	24/09/2021	19:06:44	Mammal	Tupaia glis	1	NA
Site II	CT_23	01/10/2021	IMG_0014.AVI	25/09/2021 18:35	25/09/2021	18:35:42	Mammal	Tupaia glis	1	NA
Site II	CT_23	01/10/2021	IMG_0015.AVI	26/09/2021 17:48	26/09/2021	17:48:14	Mammal	Tupaia glis	1	NA
Site II	CT_23	01/10/2021	IMG_0016.AVI	28/09/2021 06:56	27/09/2021	06:56:46	Mammal	Tupaia glis	1	NA
Site II	CT_23	01/10/2021	IMG_0017.AVI	28/09/2021 18:12	28/09/2021	18:12:28	Mammal	Tupaia glis	1	NA

Location	Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
Site II	CT_23	01/10/2021	IMG_0018.AVI	29/09/2021 07:07	28/09/2021	07:07:38	Mammal	Tupaia glis	1	NA
Site II	CT_23	01/10/2021	IMG_0019.AVI	29/09/2021 07:07	28/09/2021	07:08:00	Mammal	Tupaia glis	2	NA
Site II	CT_23	01/10/2021	IMG_0020.AVI	29/09/2021 07:08	28/09/2021	07:08:26	Mammal	Tupaia glis	1	NA
Site II	CT_23	01/10/2021	IMG_0021.AVI	29/09/2021 07:08	28/09/2021	07:08:46	Mammal	Tupaia glis	1	NA
Site II	CT_23	01/10/2021	IMG_0022.AVI	30/09/2021 06:58	29/09/2021	06:58:54	Mammal	Tupaia glis	1	NA
Site II	CT_23	05/11/2021	IMG_0006.AVI	02/10/2021 11:58	02/10/2021	11:58:50	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0007.AVI	02/10/2021 16:20	02/10/2021	16:20:24	Mammal	Tupaia glis	1	NA
Site II	CT_23	05/11/2021	IMG_0008.AVI	02/10/2021 18:19	02/10/2021	18:19:14	Mammal	Tupaia glis	1	NA
Site II	CT_23	05/11/2021	IMG_0009.AVI	03/10/2021 06:55	02/10/2021	06:55:58	Mammal	Unidentified squirrel or treeshrew	1	NA
Site II	CT_23	05/11/2021	IMG_0010.AVI	03/10/2021 07:03	02/10/2021	07:03:56	Mammal	Tupaia glis	1	NA
Site II	CT_23	05/11/2021	IMG_0011.AVI	03/10/2021 07:17	02/10/2021	07:17:50	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0012.AVI	03/10/2021 07:18	02/10/2021	07:18:18	Bird	Gallus gallus	3	NA
Site II	CT_23	05/11/2021	IMG_0013.AVI	03/10/2021 07:18	02/10/2021	07:19:08	Bird	Gallus gallus	3	NA
Site II	CT_23	05/11/2021	IMG_0014.AVI	03/10/2021 07:30	02/10/2021	07:30:28	Bird	Gallus gallus	2	NA
Site II	CT_23	05/11/2021	IMG_0015.AVI	03/10/2021 07:31	02/10/2021	07:32:06	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0016.AVI	05/10/2021 17:15	05/10/2021	17:16:00	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0017.AVI	06/10/2021 00:53	05/10/2021	00:53:22	NA	Unidentified sp.	1	NA
Site II	CT_23	05/11/2021	IMG_0018.AVI	06/10/2021 20:56	06/10/2021	20:56:10	Mammal	Manis javanica	2	Mother with 1 baby on tail
Site II	CT_23	05/11/2021	IMG_0019.AVI	07/10/2021 16:36	07/10/2021	16:36:32	Mammal	Callosciurus notatus	1	NA
Site II	CT_23	05/11/2021	IMG_0020.AVI	08/10/2021 08:46	08/10/2021	08:46:34	Mammal	Tupaia glis	1	NA
Site II	CT_23	05/11/2021	IMG_0021.AVI	08/10/2021 17:34	08/10/2021	17:35:04	Mammal	Tupaia glis	1	NA
Site II	CT_23	05/11/2021	IMG_0022.AVI	08/10/2021 17:36	08/10/2021	17:36:28	Mammal	Callosciurus notatus	1	NA
Site II	CT_23	05/11/2021	IMG_0023.AVI	08/10/2021 17:40	08/10/2021	17:41:08	Mammal	Callosciurus notatus	1	NA
Site II	CT_23	05/11/2021	IMG_0024.AVI	08/10/2021 17:43	08/10/2021	17:44:08	Mammal	Callosciurus notatus	1	NA
Site II	CT_23	05/11/2021	IMG_0025.AVI	08/10/2021 17:45	08/10/2021	17:45:38	Mammal	Callosciurus notatus	1	NA
Site II	CT_23	05/11/2021	IMG_0026.AVI	09/10/2021 18:11	09/10/2021	18:11:52	Mammal	Callosciurus notatus	1	NA
Site II	CT_23	05/11/2021	IMG_0027.AVI	13/10/2021 17:12	13/10/2021	17:12:52	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0028.AVI	13/10/2021 17:13	13/10/2021	17:13:14	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0029.AVI	13/10/2021 17:13	13/10/2021	17:14:00	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0030.AVI	13/10/2021 17:18	13/10/2021	17:18:14	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0031.AVI	13/10/2021 17:20	13/10/2021	17:20:20	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0032.AVI	13/10/2021 17:29	13/10/2021	17:29:28	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0033.AVI	13/10/2021 17:30	13/10/2021	17:30:44	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0034.AVI	13/10/2021 17:31	13/10/2021	17:31:18	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0035.AVI	13/10/2021 17:31	13/10/2021	17:31:56	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0036.AVI	13/10/2021 17:32	13/10/2021	17:33:00	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0037.AVI	14/10/2021 07:09	13/10/2021	07:09:42	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0038.AVI	14/10/2021 07:10	13/10/2021	07:10:52	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0039.AVI	14/10/2021 07:12	13/10/2021	07:12:56	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0040.AVI	14/10/2021 07:15	13/10/2021	07:15:44	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0041.AVI	14/10/2021 18:10	14/10/2021	18:11:08	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0042.AVI	15/10/2021 06:56	14/10/2021	06:56:46	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0043.AVI	15/10/2021 07:26	14/10/2021	07:26:28	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0044.AVI	15/10/2021 07:26	14/10/2021	07:27:04	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0045.AVI	15/10/2021 07:33	14/10/2021	07:33:12	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0046.AVI	15/10/2021 07:33	14/10/2021	07:34:04	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0047.AVI	15/10/2021 17:45	15/10/2021	17:45:36	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0048.AVI	16/10/2021 08:11	16/10/2021	08:11:58	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0049.AVI	16/10/2021 08:50	16/10/2021	08:50:10	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0050.AVI	16/10/2021 17:52	16/10/2021	17:52:44	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0052.AVI	19/10/2021 15:26	19/10/2021	15:26:18	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0053.AVI	19/10/2021 18:15	19/10/2021	18:15:42	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0054.AVI	21/10/2021 07:29	20/10/2021	07:29:52	Mammal	Tupaia glis	1	NA
Site II	CT_23	05/11/2021	IMG_0055.AVI	21/10/2021 08:56	21/10/2021	08:56:28	Mammal	Tupaia glis	1	NA
Site II	CT_23	05/11/2021	IMG_0056.AVI	21/10/2021 18:05	21/10/2021	18:05:58	Mammal	Tupaia glis	1	NA

Location	Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
Site II	CT_23	05/11/2021	IMG_0057.AVI	22/10/2021 07:38	21/10/2021	07:38:52	Mammal	Tupaia glis	1	NA
Site II	CT_23	05/11/2021	IMG_0058.AVI	22/10/2021 08:35	22/10/2021	08:35:44	Mammal	Tupaia glis	1	NA
Site II	CT_23	05/11/2021	IMG_0059.AVI	22/10/2021 08:39	22/10/2021	08:39:46	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0059.AVI	22/10/2021 08:39	22/10/2021	08:39:46	Mammal	Tupaia glis	1	NA
Site II	CT_23	05/11/2021	IMG_0060.AVI	22/10/2021 08:39	22/10/2021	08:40:08	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0061.AVI	22/10/2021 08:41	22/10/2021	08:42:02	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0062.AVI	23/10/2021 09:48	23/10/2021	09:49:00	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0063.AVI	23/10/2021 09:49	23/10/2021	09:49:34	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0064.AVI	25/10/2021 07:10	24/10/2021	07:10:16	Bird	Gallus gallus	2	NA
Site II	CT_23	05/11/2021	IMG_0065.AVI	26/10/2021 12:52	26/10/2021	12:52:36	Mammal	Macaca fascicularis	1	NA
Site II	CT_23	05/11/2021	IMG_0066.AVI	27/10/2021 06:41	26/10/2021	06:41:34	Mammal	Tupaia glis	1	NA
Site II	CT_23	05/11/2021	IMG_0067.AVI	28/10/2021 17:00	28/10/2021	17:01:04	Mammal	Callosciurus notatus	1	NA
Site II	CT_23	05/11/2021	IMG_0069.AVI	29/10/2021 09:26	29/10/2021	09:26:38	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0070.AVI	29/10/2021 09:26	29/10/2021	09:27:00	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0071.AVI	29/10/2021 09:27	29/10/2021	09:27:34	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0072.AVI	29/10/2021 09:49	29/10/2021	09:49:20	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0073.AVI	29/10/2021 09:49	29/10/2021	09:49:50	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0074.AVI	29/10/2021 09:50	29/10/2021	09:50:12	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0075.AVI	29/10/2021 09:51	29/10/2021	09:51:14	Bird	Gallus gallus	1	NA
Site II	CT_23	05/11/2021	IMG_0077.AVI	29/10/2021 18:50	29/10/2021	18:50:58	Mammal	Tupaia glis	1	NA
Site II	CT_23	05/11/2021	IMG_0078.AVI	30/10/2021 07:02	29/10/2021	07:02:10	Mammal	Tupaia glis	1	NA
Site II	CT_23	05/11/2021	IMG_0080.AVI	31/10/2021 06:47	30/10/2021	06:47:48	Mammal	Tupaia glis	1	NA
Site II	CT_23	05/11/2021	IMG_0081.AVI	31/10/2021 09:26	31/10/2021	09:26:28	Bird	Gallus gallus	1	NA
Site II	CT_23	10/11/2021	IMG_0005.AVI	08/11/2021 16:21	08/11/2021	16:21:56	Mammal	Tupaia glis	1	NA
Site II	CT_23	10/11/2021	IMG_0006.AVI	09/11/2021 12:10	09/11/2021	12:10:26	Mammal	Tupaia glis	2	NA
Site II	CT_23	10/11/2021	IMG_0007.AVI	10/11/2021 06:53	09/11/2021	06:53:18	Mammal	Tupaia glis	2	NA
Site II	CT_23	16/12/2021	IMG_0005.AVI	25/11/2021 14:30	25/11/2021	14:30:42	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0007.AVI	25/11/2021 16:22	25/11/2021	16:22:26	Mammal	Unidentified squirrel or treeshrew	1	NA
Site II	CT_23	16/12/2021	IMG_0008.AVI	25/11/2021 16:35	25/11/2021	16:36:08	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0009.AVI	25/11/2021 16:46	25/11/2021	16:46:24	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0010.AVI	25/11/2021 16:58	25/11/2021	16:58:34	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0011.AVI	26/11/2021 18:28	26/11/2021	18:28:42	Mammal	Unidentified squirrel or treeshrew	1	NA
Site II	CT_23	16/12/2021	IMG_0012.AVI	27/11/2021 07:24	26/11/2021	07:25:06	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0013.AVI	27/11/2021 08:18	27/11/2021	08:18:52	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0014.AVI	27/11/2021 17:04	27/11/2021	17:04:36	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0015.AVI	27/11/2021 17:04	27/11/2021	17:04:58	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0016.AVI	27/11/2021 18:06	27/11/2021	18:06:48	Bird	Gallus gallus	1	NA
Site II	CT_23	16/12/2021	IMG_0017.AVI	28/11/2021 06:44	27/11/2021	06:44:44	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0019.AVI	28/11/2021 09:10	28/11/2021	09:10:18	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0020.AVI	28/11/2021 17:33	28/11/2021	17:33:50	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0021.AVI	28/11/2021 18:21	28/11/2021	18:21:34	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0022.AVI	29/11/2021 06:44	28/11/2021	06:44:30	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0023.AVI	29/11/2021 06:45	28/11/2021	06:45:10	Mammal	Tupaia glis	2	NA
Site II	CT_23	16/12/2021	IMG_0024.AVI	30/11/2021 07:15	29/11/2021	07:15:16	Bird	Gallus gallus	1	NA
Site II	CT_23	16/12/2021	IMG_0025.AVI	30/11/2021 07:28	29/11/2021	07:28:26	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0026.AVI	30/11/2021 11:09	30/11/2021	11:09:44	Mammal	Macaca fascicularis	1	NA
Site II	CT_23	16/12/2021	IMG_0027.AVI	30/11/2021 16:52	30/11/2021	16:52:44	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0027.AVI	30/11/2021 16:52	30/11/2021	16:52:44	Mammal	Callosciurus notatus	1	NA
Site II	CT_23	16/12/2021	IMG_0028.AVI	30/11/2021 19:01	30/11/2021	19:01:52	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0029.AVI	01/12/2021 09:13	01/12/2021	09:13:26	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0031.AVI	01/12/2021 16:48	01/12/2021	16:48:56	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0032.AVI	01/12/2021 18:13	01/12/2021	18:13:18	Mammal	Tupaia glis	2	NA
Site II	CT_23	16/12/2021	IMG_0033.AVI	02/12/2021 07:08	01/12/2021	07:08:54	Mammal	Unidentified squirrel or treeshrew	1	NA
Site II	CT_23	16/12/2021	IMG_0034.AVI	02/12/2021 07:09	01/12/2021	07:09:22	Mammal	Tupaia glis	1	NA

Location	Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
Site II	CT_23	16/12/2021	IMG_0035.AVI	02/12/2021 16:58	02/12/2021	16:58:36	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0036.AVI	02/12/2021 18:28	02/12/2021	18:28:22	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0037.AVI	03/12/2021 12:21	03/12/2021	12:21:26	Mammal	Callosciurus notatus	1	NA
Site II	CT_23	16/12/2021	IMG_0038.AVI	03/12/2021 18:40	03/12/2021	18:40:34	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0039.AVI	03/12/2021 18:43	03/12/2021	18:43:38	NA	Unidentified sp.	1	NA
Site II	CT_23	16/12/2021	IMG_0040.AVI	04/12/2021 06:46	03/12/2021	06:46:38	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0041.AVI	04/12/2021 06:51	03/12/2021	06:51:40	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0042.AVI	04/12/2021 09:30	04/12/2021	09:31:02	Bird	Gallus gallus	4	NA
Site II	CT_23	16/12/2021	IMG_0043.AVI	04/12/2021 09:31	04/12/2021	09:31:32	Bird	Gallus gallus	2	NA
Site II	CT_23	16/12/2021	IMG_0044.AVI	05/12/2021 12:11	05/12/2021	12:11:30	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0045.AVI	05/12/2021 17:43	05/12/2021	17:43:18	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0046.AVI	05/12/2021 17:44	05/12/2021	17:44:24	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0047.AVI	05/12/2021 18:13	05/12/2021	18:13:54	Mammal	Tupaia glis	2	NA
Site II	CT_23	16/12/2021	IMG_0048.AVI	05/12/2021 18:51	05/12/2021	18:51:46	Mammal	Tupaia glis	2	NA
Site II	CT_23	16/12/2021	IMG_0049.AVI	06/12/2021 16:27	06/12/2021	16:28:08	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0050.AVI	06/12/2021 16:28	06/12/2021	16:28:52	Mammal	Tupaia glis	2	NA
Site II	CT_23	16/12/2021	IMG_0051.AVI	06/12/2021 17:28	06/12/2021	17:28:18	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0052.AVI	06/12/2021 17:48	06/12/2021	17:48:24	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0053.AVI	07/12/2021 17:53	07/12/2021	17:53:48	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0054.AVI	07/12/2021 18:37	07/12/2021	18:37:46	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0055.AVI	08/12/2021 06:51	07/12/2021	06:51:30	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0056.AVI	11/12/2021 15:29	11/12/2021	15:29:56	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0058.AVI	11/12/2021 16:20	11/12/2021	16:20:36	NA	Unidentified sp.	1	NA
Site II	CT_23	16/12/2021	IMG_0059.AVI	11/12/2021 16:21	11/12/2021	16:21:14	NA	Unidentified sp.	1	NA
Site II	CT_23	16/12/2021	IMG_0060.AVI	12/12/2021 07:06	11/12/2021	07:06:24	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0061.AVI	12/12/2021 07:19	11/12/2021	07:19:48	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0062.AVI	12/12/2021 09:02	12/12/2021	09:02:50	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0063.AVI	12/12/2021 11:32	12/12/2021	11:32:32	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0064.AVI	12/12/2021 17:47	12/12/2021	17:47:44	Mammal	Tupaia glis	2	NA
Site II	CT_23	16/12/2021	IMG_0065.AVI	12/12/2021 17:51	12/12/2021	17:51:18	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0066.AVI	12/12/2021 18:12	12/12/2021	18:12:32	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0067.AVI	12/12/2021 18:16	12/12/2021	18:16:10	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0068.AVI	12/12/2021 18:22	12/12/2021	18:22:10	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0069.AVI	12/12/2021 18:30	12/12/2021	18:30:46	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0070.AVI	13/12/2021 07:03	12/12/2021	07:03:18	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0071.AVI	13/12/2021 07:09	12/12/2021	07:09:30	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0072.AVI	13/12/2021 19:07	13/12/2021	19:07:18	Mammal	Tupaia glis	2	NA
Site II	CT_23	16/12/2021	IMG_0073.AVI	13/12/2021 19:10	13/12/2021	19:10:28	Mammal	Tupaia glis	2	NA
Site II	CT_23	16/12/2021	IMG_0074.AVI	14/12/2021 06:58	13/12/2021	06:58:40	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0075.AVI	14/12/2021 15:52	14/12/2021	15:52:46	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0076.AVI	14/12/2021 18:33	14/12/2021	18:33:48	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0077.AVI	14/12/2021 18:50	14/12/2021	18:50:50	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0078.AVI	15/12/2021 13:30	15/12/2021	13:31:08	Mammal	Macaca fascicularis	1	NA
Site II	CT_23	16/12/2021	IMG_0079.AVI	15/12/2021 13:36	15/12/2021	13:36:14	Mammal	Macaca fascicularis	5	NA
Site II	CT_23	16/12/2021	IMG_0080.AVI	15/12/2021 17:02	15/12/2021	17:02:24	Mammal	Tupaia glis	1	NA
Site II	CT_23	16/12/2021	IMG_0081.AVI	15/12/2021 18:42	15/12/2021	18:42:58	Mammal	Tupaia glis	1	NA

Location	Station	Latitude	Longitude	Deployment date	End Date	No. of trap nights
Site I	CT_11	1.340649035	103.799069	24/09/21	11/01/22	63
Site II	CT_12	1.341186985	103.796252	24/09/21	23/11/21	60
Site I	CT_13	1.337010032	103.798676	24/09/21	23/11/21	60
Site III	CT_14	1.341900034	103.794138	14/10/21	16/12/21	63
Site III (proximity)	CT_15	1.338180983	103.795184	14/10/21	16/12/21	60
Site I	CT_19	1.339304997	103.7987	24/09/21	23/11/21	60
Site II	CT_23	1.342689022	103.79576	24/09/21	16/12/21	63

Appendix J2

Camera Trap Log and Data for Holland Plain (Sites IV and V)

Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
CT_20	06/10/2021	IMG_0005.AVI	02/10/2021 16:18	02/10/2021	16:18:56	Bird	Amaurornis phoenicurus	1	NA
CT_20	06/10/2021	IMG_0006.AVI	03/10/2021 09:07	03/10/2021	09:07:22	Mammal	Tupaia glis	1	NA
CT_20	06/10/2021	IMG_0007.AVI	03/10/2021 10:41	03/10/2021	10:41:26	Mammal	Tupaia glis	1	NA
CT_20	06/10/2021	IMG_0008.AVI	03/10/2021 13:16	03/10/2021	13:16:10	Mammal	Tupaia glis	1	NA
CT_20	06/10/2021	IMG_0009.AVI	03/10/2021 14:30	03/10/2021	14:30:20	Bird	Gallus gallus	1	NA
CT_20	06/10/2021	IMG_0010.AVI	03/10/2021 14:30	03/10/2021	14:30:40	Bird	Gallus gallus	1	NA
CT_20	06/10/2021	IMG_0011.AVI	03/10/2021 18:48	03/10/2021	18:49:08	Bird	Garrulax leucolophus	3	NA
CT_20	06/10/2021	IMG_0012.AVI	04/10/2021 01:28	03/10/2021	01:28:28	Mammal	Paradoxurus musangus	1	NA
CT_20	06/10/2021	IMG_0013.AVI	04/10/2021 08:09	04/10/2021	08:09:22	Bird	Amaurornis phoenicurus	1	NA
CT_20	06/10/2021	IMG_0014.AVI	04/10/2021 08:09	04/10/2021	08:09:52	Bird	Amaurornis phoenicurus	1	NA
CT_20	06/10/2021	IMG_0015.AVI	04/10/2021 08:22	04/10/2021	08:22:20	Bird	Gallus gallus	1	NA
CT_20	06/10/2021	IMG_0016.AVI	05/10/2021 12:42	05/10/2021	12:42:56	Bird	Gallus gallus	3	NA
CT_20	06/10/2021	IMG_0016.AVI	05/10/2021 12:42	05/10/2021	12:42:56	Mammal	Tupaia glis	1	NA
CT_20	06/10/2021	IMG_0017.AVI	05/10/2021 13:04	05/10/2021	13:04:24	Bird	Gallus gallus	1	NA
CT_20	06/10/2021	IMG_0018.AVI	05/10/2021 15:23	05/10/2021	15:23:24	Bird	Amaurornis phoenicurus	1	NA
CT_20	06/10/2021	IMG_0019.AVI	06/10/2021 08:19	06/10/2021	08:19:40	Bird	Amaurornis phoenicurus	1	NA
CT_20	12/11/2021	IMG_0011.AVI	06/10/2021 10:26	06/10/2021	10:27:00	Mammal	Callosciurus notatus	1	NA
CT_20	12/11/2021	IMG_0012.AVI	07/10/2021 07:38	06/10/2021	07:38:12	Mammal	Tupaia glis	1	NA
CT_20	12/11/2021	IMG_0013.AVI	07/10/2021 17:14	07/10/2021	17:14:28	Mammal	Callosciurus notatus	1	NA
CT_20	12/11/2021	IMG_0014.AVI	08/10/2021 06:57	07/10/2021	06:57:20	Mammal	Tupaia glis	1	NA
CT_20	12/11/2021	IMG_0015.AVI	08/10/2021 06:58	07/10/2021	06:58:56	Mammal	Tupaia glis	1	NA
CT_20	12/11/2021	IMG_0016.AVI	09/10/2021 10:16	09/10/2021	10:16:20	Mammal	Tupaia glis	1	NA
CT_20	12/11/2021	IMG_0017.AVI	09/10/2021 10:36	09/10/2021	10:37:02	Bird	Gallus gallus	2	NA
CT_20	12/11/2021	IMG_0018.AVI	09/10/2021 10:47	09/10/2021	10:47:50	Mammal	Callosciurus notatus	1	NA
CT_20	12/11/2021	IMG_0019.AVI	09/10/2021 10:50	09/10/2021	10:50:18	Mammal	Callosciurus notatus	1	NA
CT_20	12/11/2021	IMG_0020.AVI	09/10/2021 10:50	09/10/2021	10:51:06	Mammal	Callosciurus notatus	1	NA
CT_20	12/11/2021	IMG_0021.AVI	10/10/2021 10:17	10/10/2021	10:17:24	Mammal	Tupaia glis	1	NA
CT_20	12/11/2021	IMG_0022.AVI	10/10/2021 11:10	10/10/2021	11:10:22	Mammal	Callosciurus notatus	1	NA
CT_20	12/11/2021	IMG_0023.AVI	11/10/2021 15:43	11/10/2021	15:43:22	Bird	Garrulax leucolophus	1	NA
CT_20	12/11/2021	IMG_0024.AVI	11/10/2021 15:49	11/10/2021	15:49:46	Bird	Garrulax leucolophus	1	NA
CT_20	12/11/2021	IMG_0025.AVI	11/10/2021 16:05	11/10/2021	16:05:28	Mammal	Callosciurus notatus	1	NA
CT_20	12/11/2021	IMG_0026.AVI	12/10/2021 17:13	12/10/2021	17:13:54	Mammal	Tupaia glis	1	NA
CT_20	12/11/2021	IMG_0027.AVI	13/10/2021 09:16	13/10/2021	09:16:56	Mammal	Tupaia glis	1	NA
CT_20	12/11/2021	IMG_0028.AVI	13/10/2021 17:29	13/10/2021	17:29:22	Mammal	Tupaia glis	1	NA
CT_20	12/11/2021	IMG_0029.AVI	14/10/2021 09:48	14/10/2021	09:48:28	Mammal	Callosciurus notatus	1	NA
CT_20	12/11/2021	IMG_0030.AVI	14/10/2021 13:09	14/10/2021	13:09:10	Mammal	Callosciurus notatus	1	NA
CT_20	12/11/2021	IMG_0031.AVI	14/10/2021 13:09	14/10/2021	13:09:52	Mammal	Callosciurus notatus	1	NA
CT_20	12/11/2021	IMG_0032.AVI	15/10/2021 06:56	14/10/2021	06:56:22	Mammal	Callosciurus notatus	1	NA
CT_20	12/11/2021	IMG_0033.AVI	15/10/2021 06:57	14/10/2021	06:57:12	Mammal	Callosciurus notatus	1	NA
CT_20	12/11/2021	IMG_0035.AVI	15/10/2021 12:17	15/10/2021	12:17:14	Mammal	Tupaia glis	1	NA
CT_20	12/11/2021	IMG_0036.AVI	15/10/2021 12:17	15/10/2021	12:18:06	Mammal	Tupaia glis	1	NA
CT_20	12/11/2021	IMG_0037.AVI	15/10/2021 17:14	15/10/2021	17:14:28	Mammal	Tupaia glis	1	NA
CT_20	12/11/2021	IMG_0038.AVI	16/10/2021 10:18	16/10/2021	10:18:32	Mammal	Tupaia glis	1	NA
CT_20	12/11/2021	IMG_0039.AVI	16/10/2021 13:14	16/10/2021	13:14:26	Mammal	Tupaia glis	1	NA
CT_20	12/11/2021	IMG_0040.AVI	16/10/2021 13:37	16/10/2021	13:37:50	Mammal	Unidentified squirrel or treeshrew	1	NA
CT_20	12/11/2021	IMG_0041.AVI	16/10/2021 14:49	16/10/2021	14:49:22	Mammal	Tupaia glis	1	NA
CT_20	12/11/2021	IMG_0042.AVI	18/10/2021 07:10	17/10/2021	07:10:38	Mammal	Tupaia glis	1	NA
CT_20	12/11/2021	IMG_0043.AVI	18/10/2021 09:02	18/10/2021	09:03:04	Mammal	Tupaia glis	1	NA
CT_20	12/11/2021	IMG_0044.AVI	18/10/2021 13:38	18/10/2021	13:38:22	Mammal	Tupaia glis	1	NA
CT_20	12/11/2021	IMG_0045.AVI	18/10/2021 17:34	18/10/2021	17:34:46	Mammal	Tupaia glis	1	NA
CT_20	12/11/2021	IMG_0046.AVI	19/10/2021 13:11	19/10/2021	13:11:16	Mammal	Callosciurus notatus	1	NA
CT_20	12/11/2021	IMG_0047.AVI	19/10/2021 15:50	19/10/2021	15:50:54	Mammal	Callosciurus notatus	1	NA
CT_20	12/11/2021	IMG_0052.AVI	23/10/2021 10:58	23/10/2021	10:59:08	Mammal	Tupaia glis	1	NA
CT_20	12/11/2021	IMG_0053.AVI	23/10/2021 18:31	23/10/2021	18:32:06	Bird	Garrulax leucolophus	2	NA
CT_20	12/11/2021	IMG_0054.AVI	24/10/2021 12:42	24/10/2021	12:42:28	Mammal	Unidentified squirrel or treeshrew	1	NA
CT_20	12/11/2021	IMG_0055.AVI	24/10/2021 13:51	24/10/2021	13:51:20	Bird	Gallus gallus	1	NA
CT_20	12/11/2021	IMG_0056.AVI	25/10/2021 17:24	25/10/2021	17:24:38	Bird	Gallus gallus	1	NA

Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
CT_20	12/11/2021	IMG_0057.AVI	26/10/2021 15:03	26/10/2021	15:03:16	Bird	Gallus gallus	1	NA
CT_20	12/11/2021	IMG_0058.AVI	26/10/2021 15:27	26/10/2021	15:28:04	Bird	Garrulax leucolophus	5	NA
CT_20	12/11/2021	IMG_0060.AVI	27/10/2021 14:53	27/10/2021	14:54:02	Mammal	Callosciurus notatus	1	NA
CT_20	12/11/2021	IMG_0061.AVI	27/10/2021 14:54	27/10/2021	14:54:28	Mammal	Unidentified squirrel or treeshrew	1	NA
CT_20	12/11/2021	IMG_0062.AVI	27/10/2021 14:57	27/10/2021	14:58:06	Mammal	Callosciurus notatus	1	NA
CT_20	12/11/2021	IMG_0063.AVI	27/10/2021 15:27	27/10/2021	15:27:18	Mammal	Callosciurus notatus	1	NA
CT_20	12/11/2021	IMG_0064.AVI	27/10/2021 16:24	27/10/2021	16:24:32	Mammal	Callosciurus notatus	1	NA
CT_20	12/11/2021	IMG_0077.AVI	28/10/2021 13:14	28/10/2021	13:14:48	Mammal	Callosciurus notatus	1	NA
CT_20	12/11/2021	IMG_0078.AVI	28/10/2021 13:15	28/10/2021	13:15:18	Mammal	Callosciurus notatus	1	NA
CT_20	12/11/2021	IMG_0079.AVI	28/10/2021 14:25	28/10/2021	14:25:34	Mammal	Callosciurus notatus	1	NA
CT_20	12/11/2021	IMG_0080.AVI	28/10/2021 17:05	28/10/2021	17:05:10	Mammal	Callosciurus notatus	1	NA
CT_20	12/11/2021	IMG_0081.AVI	28/10/2021 18:22	28/10/2021	18:22:58	Bird	Garrulax leucolophus	1	NA
CT_20	12/11/2021	IMG_0082.AVI	30/10/2021 06:50	29/10/2021	06:50:52	Mammal	Tupaia glis	1	NA
CT_20	12/11/2021	IMG_0083.AVI	30/10/2021 13:26	30/10/2021	13:27:06	Mammal	Callosciurus notatus	1	NA
CT_20	12/11/2021	IMG_0084.AVI	30/10/2021 16:34	30/10/2021	16:35:02	Mammal	Unidentified squirrel or treeshrew	1	NA
CT_20	12/11/2021	IMG_0085.AVI	31/10/2021 09:17	31/10/2021	09:17:30	Bird	Gallus gallus	1	NA
CT_20	12/11/2021	IMG_0086.AVI	31/10/2021 10:50	31/10/2021	10:51:00	Bird	Gallus gallus	1	NA
CT_20	12/11/2021	IMG_0087.AVI	31/10/2021 11:04	31/10/2021	11:04:58	Mammal	Callosciurus notatus	1	NA
CT_20	12/11/2021	IMG_0088.AVI	31/10/2021 11:05	31/10/2021	11:05:30	Mammal	Callosciurus notatus	1	NA
CT_20	12/11/2021	IMG_0089.AVI	31/10/2021 11:06	31/10/2021	11:06:12	Mammal	Callosciurus notatus	1	NA
CT_20	12/11/2021	IMG_0090.AVI	31/10/2021 12:16	31/10/2021	12:16:40	Mammal	Unidentified squirrel or treeshrew	1	NA
CT_20	12/11/2021	IMG_0091.AVI	31/10/2021 12:20	31/10/2021	12:20:20	Mammal	Callosciurus notatus	1	NA
CT_20	12/11/2021	IMG_0092.AVI	31/10/2021 12:29	31/10/2021	12:29:36	Bird	Gallus gallus	2	NA
CT_20	12/11/2021	IMG_0095.AVI	02/11/2021 18:00	02/11/2021	18:00:16	Mammal	Unidentified squirrel or treeshrew	1	NA
CT_20	12/11/2021	IMG_0096.AVI	04/11/2021 14:41	04/11/2021	14:41:52	Mammal	Tupaia glis	1	NA
CT_20	12/11/2021	IMG_0097.AVI	05/11/2021 08:11	05/11/2021	08:11:54	Mammal	Tupaia glis	1	NA
CT_20	12/11/2021	IMG_0098.AVI	06/11/2021 11:35	06/11/2021	11:36:06	Mammal	Tupaia glis	1	NA
CT_20	12/11/2021	IMG_0099.AVI	06/11/2021 15:37	06/11/2021	15:37:54	Mammal	Tupaia glis	1	NA
CT_20	12/11/2021	IMG_0100.AVI	07/11/2021 09:46	07/11/2021	09:46:32	Mammal	Callosciurus notatus	1	NA
CT_20	12/11/2021	IMG_0101.AVI	07/11/2021 16:56	07/11/2021	16:56:34	Mammal	Tupaia glis	1	NA
CT_20	12/11/2021	IMG_0102.AVI	08/11/2021 13:02	08/11/2021	13:02:12	Mammal	Tupaia glis	1	NA
CT_20	12/11/2021	IMG_0103.AVI	09/11/2021 06:50	08/11/2021	06:50:50	Mammal	Tupaia glis	1	NA
CT_20	12/11/2021	IMG_0104.AVI	09/11/2021 12:48	09/11/2021	12:48:22	Bird	Gallus gallus	1	NA
CT_20	12/11/2021	IMG_0105.AVI	09/11/2021 18:10	09/11/2021	18:10:10	Bird	Garrulax leucolophus	6	NA
CT_20	12/11/2021	IMG_0106.AVI	10/11/2021 07:00	09/11/2021	07:00:38	Mammal	Tupaia glis	1	NA
CT_20	12/11/2021	IMG_0107.AVI	10/11/2021 08:53	10/11/2021	08:53:16	Bird	Gallus gallus	1	NA
CT_20	12/11/2021	IMG_0108.AVI	10/11/2021 11:32	10/11/2021	11:32:10	Bird	Gallus gallus	1	NA
CT_20	12/11/2021	IMG_0109.AVI	10/11/2021 11:51	10/11/2021	11:52:04	Mammal	Callosciurus notatus	1	NA
CT_20	12/11/2021	IMG_0110.AVI	10/11/2021 18:08	10/11/2021	18:08:50	Mammal	Unidentified squirrel or treeshrew	1	NA
CT_20	11/01/2022	IMG_0020.AVI	03/12/2021 06:54	02/12/2021	06:54:42	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0021.AVI	03/12/2021 07:29	02/12/2021	07:29:38	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0022.AVI	03/12/2021 08:19	03/12/2021	08:19:18	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0023.AVI	03/12/2021 09:54	03/12/2021	09:54:20	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0024.AVI	03/12/2021 17:36	03/12/2021	17:36:10	Bird	Garrulax leucolophus	1	NA
CT_20	11/01/2022	IMG_0025.AVI	03/12/2021 18:14	03/12/2021	18:14:50	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0026.AVI	03/12/2021 20:22	03/12/2021	20:22:42	Mammal	Unidentified bat	1	NA
CT_20	11/01/2022	IMG_0027.AVI	04/12/2021 09:24	04/12/2021	09:24:24	Mammal	Unidentified squirrel or treeshrew	1	NA
CT_20	11/01/2022	IMG_0028.AVI	04/12/2021 11:09	04/12/2021	11:09:24	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0029.AVI	04/12/2021 13:35	04/12/2021	13:35:38	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0030.AVI	05/12/2021 03:53	04/12/2021	03:54:08	Mammal	Rattus sp.	1	NA
CT_20	11/01/2022	IMG_0031.AVI	05/12/2021 06:51	04/12/2021	06:51:16	Bird	Unidentified Rallidae	1	NA
CT_20	11/01/2022	IMG_0032.AVI	05/12/2021 09:03	05/12/2021	09:03:14	Bird	Gallus gallus	1	NA
CT_20	11/01/2022	IMG_0033.AVI	05/12/2021 09:03	05/12/2021	09:03:36	Bird	Gallus gallus	1	NA
CT_20	11/01/2022	IMG_0034.AVI	05/12/2021 09:03	05/12/2021	09:03:56	Bird	Gallus gallus	1	NA
CT_20	11/01/2022	IMG_0036.AVI	05/12/2021 09:40	05/12/2021	09:40:32	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0037.AVI	05/12/2021 16:59	05/12/2021	17:00:00	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0038.AVI	05/12/2021 17:00	05/12/2021	17:00:24	Mammal	Callosciurus notatus	1	NA

Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
CT_20	11/01/2022	IMG_0039.AVI	05/12/2021 17:27	05/12/2021	17:27:30	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0040.AVI	05/12/2021 18:41	05/12/2021	18:41:56	Bird	Garrulax leucolophus	1	NA
CT_20	11/01/2022	IMG_0041.AVI	05/12/2021 18:42	05/12/2021	18:42:42	Bird	Garrulax leucolophus	2	NA
CT_20	11/01/2022	IMG_0042.AVI	05/12/2021 18:43	05/12/2021	18:43:34	Bird	Garrulax leucolophus	1	NA
CT_20	11/01/2022	IMG_0043.AVI	05/12/2021 18:43	05/12/2021	18:44:02	Bird	Garrulax leucolophus	2	NA
CT_20	11/01/2022	IMG_0045.AVI	06/12/2021 08:06	06/12/2021	08:06:16	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0046.AVI	06/12/2021 09:15	06/12/2021	09:15:14	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0047.AVI	06/12/2021 09:15	06/12/2021	09:15:38	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0048.AVI	06/12/2021 13:49	06/12/2021	13:50:06	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0049.AVI	06/12/2021 14:06	06/12/2021	14:06:20	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0050.AVI	06/12/2021 17:07	06/12/2021	17:08:04	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0051.AVI	06/12/2021 17:09	06/12/2021	17:09:22	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0052.AVI	06/12/2021 18:50	06/12/2021	18:50:16	Bird	Garrulax leucolophus	1	NA
CT_20	11/01/2022	IMG_0053.AVI	06/12/2021 18:50	06/12/2021	18:50:44	Bird	Garrulax leucolophus	1	NA
CT_20	11/01/2022	IMG_0054.AVI	06/12/2021 18:50	06/12/2021	18:51:06	Bird	Garrulax leucolophus	1	NA
CT_20	11/01/2022	IMG_0055.AVI	07/12/2021 06:49	06/12/2021	06:49:10	Bird	Rallina fasciata	1	NA
CT_20	11/01/2022	IMG_0056.AVI	07/12/2021 07:29	06/12/2021	07:30:04	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0057.AVI	07/12/2021 11:12	07/12/2021	11:12:10	Reptile	Varanus nebulosus	1	NA
CT_20	11/01/2022	IMG_0058.AVI	07/12/2021 16:47	07/12/2021	16:47:42	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0059.AVI	08/12/2021 08:03	08/12/2021	08:03:14	Bird	Picus vittatus	1	NA
CT_20	11/01/2022	IMG_0060.AVI	08/12/2021 08:33	08/12/2021	08:33:24	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0061.AVI	08/12/2021 09:00	08/12/2021	09:00:38	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0062.AVI	08/12/2021 14:22	08/12/2021	14:23:02	Bird	Gallus gallus	1	NA
CT_20	11/01/2022	IMG_0063.AVI	08/12/2021 14:25	08/12/2021	14:26:08	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0064.AVI	09/12/2021 07:01	08/12/2021	07:01:44	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0065.AVI	09/12/2021 08:59	09/12/2021	09:00:06	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0066.AVI	09/12/2021 09:13	09/12/2021	09:13:10	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0067.AVI	09/12/2021 11:48	09/12/2021	11:48:24	Mammal	Unidentified squirrel or treeshrew	1	NA
CT_20	11/01/2022	IMG_0068.AVI	09/12/2021 16:48	09/12/2021	16:48:12	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0069.AVI	10/12/2021 07:59	09/12/2021	07:59:38	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0070.AVI	10/12/2021 08:17	10/12/2021	08:17:46	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0072.AVI	10/12/2021 14:20	10/12/2021	14:20:54	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0073.AVI	12/12/2021 08:09	12/12/2021	08:09:20	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0074.AVI	12/12/2021 09:05	12/12/2021	09:05:52	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0075.AVI	12/12/2021 11:20	12/12/2021	11:20:48	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0076.AVI	13/12/2021 12:30	13/12/2021	12:30:46	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0079.AVI	13/12/2021 19:43	13/12/2021	19:43:42	Mammal	Rattus sp.	1	NA
CT_20	11/01/2022	IMG_0080.AVI	14/12/2021 01:16	13/12/2021	01:16:20	Mammal	Rattus sp.	1	NA
CT_20	11/01/2022	IMG_0081.AVI	14/12/2021 14:09	14/12/2021	14:09:40	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0082.AVI	14/12/2021 15:59	14/12/2021	15:59:14	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0083.AVI	14/12/2021 16:03	14/12/2021	16:03:16	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0084.AVI	14/12/2021 17:47	14/12/2021	17:47:18	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0085.AVI	14/12/2021 17:59	14/12/2021	17:59:44	Bird	Garrulax leucolophus	2	NA
CT_20	11/01/2022	IMG_0085.AVI	14/12/2021 17:59	14/12/2021	17:59:44	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0086.AVI	14/12/2021 18:34	14/12/2021	18:34:36	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0087.AVI	15/12/2021 14:25	15/12/2021	14:25:30	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0088.AVI	15/12/2021 14:40	15/12/2021	14:40:34	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0089.AVI	15/12/2021 18:56	15/12/2021	18:56:16	Bird	Garrulax leucolophus	1	NA
CT_20	11/01/2022	IMG_0092.AVI	16/12/2021 10:47	16/12/2021	10:47:28	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0093.AVI	17/12/2021 07:51	16/12/2021	07:51:46	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0094.AVI	17/12/2021 08:12	17/12/2021	08:12:42	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0095.AVI	17/12/2021 17:20	17/12/2021	17:20:42	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0096.AVI	17/12/2021 18:31	17/12/2021	18:31:42	Bird	Amaurornis phoenicurus	1	NA
CT_20	11/01/2022	IMG_0097.AVI	17/12/2021 18:32	17/12/2021	18:32:14	Bird	Amaurornis phoenicurus	1	NA
CT_20	11/01/2022	IMG_0098.AVI	18/12/2021 05:43	17/12/2021	05:43:28	Mammal	Rattus sp.	1	NA
CT_20	11/01/2022	IMG_0099.AVI	18/12/2021 08:52	18/12/2021	08:52:14	Mammal	Unidentified squirrel or treeshrew	1	NA
CT_20	11/01/2022	IMG_0100.AVI	18/12/2021 09:12	18/12/2021	09:12:24	Mammal	Callosciurus notatus	1	NA

Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
CT_20	11/01/2022	IMG_0101.AVI	18/12/2021 09:12	18/12/2021	09:12:52	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0102.AVI	18/12/2021 16:22	18/12/2021	16:22:42	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0103.AVI	18/12/2021 17:25	18/12/2021	17:25:38	Bird	Amaurornis phoenicurus	1	NA
CT_20	11/01/2022	IMG_0104.AVI	18/12/2021 17:27	18/12/2021	17:27:40	Bird	Amaurornis phoenicurus	1	NA
CT_20	11/01/2022	IMG_0105.AVI	18/12/2021 17:28	18/12/2021	17:28:18	Bird	Amaurornis phoenicurus	1	NA
CT_20	11/01/2022	IMG_0106.AVI	19/12/2021 06:13	18/12/2021	06:14:00	Mammal	Paradoxurus musangus	1	NA
CT_20	11/01/2022	IMG_0107.AVI	19/12/2021 06:14	18/12/2021	06:14:22	Mammal	Paradoxurus musangus	1	NA
CT_20	11/01/2022	IMG_0108.AVI	19/12/2021 07:39	18/12/2021	07:39:30	Bird	Amaurornis phoenicurus	1	NA
CT_20	11/01/2022	IMG_0109.AVI	19/12/2021 07:55	18/12/2021	07:55:52	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0110.AVI	19/12/2021 10:34	19/12/2021	10:34:38	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0112.AVI	20/12/2021 07:22	19/12/2021	07:22:38	Bird	Amaurornis phoenicurus	1	NA
CT_20	11/01/2022	IMG_0113.AVI	20/12/2021 10:39	20/12/2021	10:40:02	Bird	Garrulax leucolophus	2	NA
CT_20	11/01/2022	IMG_0114.AVI	20/12/2021 10:40	20/12/2021	10:40:26	Bird	Garrulax leucolophus	2	NA
CT_20	11/01/2022	IMG_0115.AVI	20/12/2021 10:43	20/12/2021	10:43:12	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0116.AVI	20/12/2021 13:45	20/12/2021	13:46:02	Bird	Gallus gallus	1	NA
CT_20	11/01/2022	IMG_0117.AVI	20/12/2021 13:48	20/12/2021	13:49:00	Bird	Amaurornis phoenicurus	1	NA
CT_20	11/01/2022	IMG_0118.AVI	20/12/2021 15:31	20/12/2021	15:31:56	Bird	Garrulax leucolophus	2	NA
CT_20	11/01/2022	IMG_0119.AVI	20/12/2021 15:35	20/12/2021	15:35:58	Bird	Garrulax leucolophus	1	NA
CT_20	11/01/2022	IMG_0120.AVI	20/12/2021 15:36	20/12/2021	15:36:22	Bird	Garrulax leucolophus	1	NA
CT_20	11/01/2022	IMG_0121.AVI	20/12/2021 15:36	20/12/2021	15:37:08	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0121.AVI	20/12/2021 15:36	20/12/2021	15:37:08	Bird	Garrulax leucolophus	2	NA
CT_20	11/01/2022	IMG_0122.AVI	20/12/2021 17:08	20/12/2021	17:08:46	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0122.AVI	20/12/2021 17:08	20/12/2021	17:08:46	Bird	Amaurornis phoenicurus	1	NA
CT_20	11/01/2022	IMG_0123.AVI	20/12/2021 17:17	20/12/2021	17:17:40	Reptile	Varanus sp.	1	NA
CT_20	11/01/2022	IMG_0123.AVI	20/12/2021 17:17	20/12/2021	17:17:40	Mammal	Unidentified squirrel or treeshrew	1	NA
CT_20	11/01/2022	IMG_0124.AVI	21/12/2021 08:42	21/12/2021	08:42:30	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0125.AVI	21/12/2021 10:23	21/12/2021	10:24:08	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0126.AVI	21/12/2021 10:27	21/12/2021	10:27:52	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0127.AVI	21/12/2021 10:28	21/12/2021	10:28:40	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0128.AVI	21/12/2021 10:56	21/12/2021	10:56:12	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0129.AVI	21/12/2021 11:44	21/12/2021	11:44:56	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0130.AVI	21/12/2021 13:40	21/12/2021	13:40:38	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0130.AVI	21/12/2021 13:40	21/12/2021	13:40:38	Bird	Gallus gallus	2	NA
CT_20	11/01/2022	IMG_0131.AVI	21/12/2021 13:40	21/12/2021	13:41:00	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0131.AVI	21/12/2021 13:40	21/12/2021	13:41:00	Bird	Gallus gallus	1	NA
CT_20	11/01/2022	IMG_0132.AVI	21/12/2021 13:45	21/12/2021	13:45:14	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0133.AVI	21/12/2021 13:46	21/12/2021	13:46:16	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0135.AVI	21/12/2021 16:10	21/12/2021	16:10:54	Bird	Gallus gallus	1	NA
CT_20	11/01/2022	IMG_0136.AVI	21/12/2021 16:52	21/12/2021	16:52:48	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0137.AVI	21/12/2021 16:53	21/12/2021	16:53:14	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0138.AVI	21/12/2021 16:53	21/12/2021	16:53:42	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0139.AVI	22/12/2021 09:08	22/12/2021	09:09:06	Bird	Gallus gallus	1	NA
CT_20	11/01/2022	IMG_0140.AVI	22/12/2021 09:09	22/12/2021	09:09:42	Bird	Gallus gallus	1	NA
CT_20	11/01/2022	IMG_0141.AVI	22/12/2021 09:10	22/12/2021	09:10:10	Bird	Gallus gallus	1	NA
CT_20	11/01/2022	IMG_0142.AVI	22/12/2021 10:26	22/12/2021	10:26:42	Bird	Gallus gallus	2	NA
CT_20	11/01/2022	IMG_0143.AVI	22/12/2021 10:26	22/12/2021	10:27:02	Bird	Gallus gallus	3	NA
CT_20	11/01/2022	IMG_0144.AVI	22/12/2021 11:07	22/12/2021	11:07:42	Mammal	Unidentified squirrel or treeshrew	1	NA
CT_20	11/01/2022	IMG_0145.AVI	22/12/2021 16:38	22/12/2021	16:39:00	Mammal	Unidentified squirrel or treeshrew	1	NA
CT_20	11/01/2022	IMG_0146.AVI	23/12/2021 08:27	23/12/2021	08:28:00	Bird	Amaurornis phoenicurus	1	NA
CT_20	11/01/2022	IMG_0147.AVI	23/12/2021 09:17	23/12/2021	09:17:40	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0148.AVI	23/12/2021 15:27	23/12/2021	15:27:30	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0149.AVI	23/12/2021 15:49	23/12/2021	15:49:56	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0152.AVI	24/12/2021 09:40	24/12/2021	09:41:06	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0153.AVI	24/12/2021 10:48	24/12/2021	10:48:38	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0154.AVI	24/12/2021 13:49	24/12/2021	13:49:18	Bird	Gallus gallus	2	NA
CT_20	11/01/2022	IMG_0155.AVI	24/12/2021 13:49	24/12/2021	13:49:42	Bird	Gallus gallus	2	NA
CT_20	11/01/2022	IMG_0156.AVI	25/12/2021 08:44	25/12/2021	08:44:58	Bird	Amaurornis phoenicurus	1	NA

Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
CT_20	11/01/2022	IMG_0157.AVI	25/12/2021 17:23	25/12/2021	17:23:40	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0158.AVI	25/12/2021 17:42	25/12/2021	17:43:04	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0159.AVI	26/12/2021 07:33	25/12/2021	07:33:28	Bird	Amaurornis phoenicurus	1	NA
CT_20	11/01/2022	IMG_0160.AVI	26/12/2021 15:27	26/12/2021	15:27:44	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0161.AVI	26/12/2021 15:39	26/12/2021	15:39:10	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0162.AVI	26/12/2021 18:22	26/12/2021	18:22:48	Bird	Amaurornis phoenicurus	1	NA
CT_20	11/01/2022	IMG_0165.AVI	28/12/2021 07:38	27/12/2021	07:39:08	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0166.AVI	28/12/2021 13:53	28/12/2021	13:53:10	Bird	Gallus gallus	1	NA
CT_20	11/01/2022	IMG_0167.AVI	28/12/2021 13:55	28/12/2021	13:55:44	Bird	Gallus gallus	1	NA
CT_20	11/01/2022	IMG_0168.AVI	28/12/2021 14:22	28/12/2021	14:22:36	Bird	Gallus gallus	2	NA
CT_20	11/01/2022	IMG_0169.AVI	29/12/2021 09:16	29/12/2021	09:16:50	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0170.AVI	29/12/2021 10:40	29/12/2021	10:40:54	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0171.AVI	29/12/2021 11:23	29/12/2021	11:24:00	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0172.AVI	29/12/2021 14:52	29/12/2021	14:52:48	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0173.AVI	29/12/2021 17:20	29/12/2021	17:20:16	Bird	Garrulax leucolophus	2	NA
CT_20	11/01/2022	IMG_0174.AVI	29/12/2021 17:29	29/12/2021	17:29:34	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0175.AVI	31/12/2021 07:47	30/12/2021	07:47:38	Bird	Amaurornis phoenicurus	1	NA
CT_20	11/01/2022	IMG_0176.AVI	31/12/2021 16:32	31/12/2021	16:33:08	Bird	Garrulax leucolophus	1	NA
CT_20	11/01/2022	IMG_0177.AVI	31/12/2021 16:33	31/12/2021	16:33:46	Bird	Garrulax leucolophus	3	NA
CT_20	11/01/2022	IMG_0178.AVI	31/12/2021 16:39	31/12/2021	16:39:14	Bird	Garrulax leucolophus	1	NA
CT_20	11/01/2022	IMG_0179.AVI	31/12/2021 16:39	31/12/2021	16:39:34	Bird	Garrulax leucolophus	2	NA
CT_20	11/01/2022	IMG_0180.AVI	31/12/2021 16:52	31/12/2021	16:52:44	Bird	Garrulax leucolophus	2	NA
CT_20	11/01/2022	IMG_0181.AVI	31/12/2021 16:52	31/12/2021	16:53:08	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0181.AVI	31/12/2021 16:52	31/12/2021	16:53:08	Bird	Garrulax leucolophus	3	NA
CT_20	11/01/2022	IMG_0182.AVI	31/12/2021 16:53	31/12/2021	16:53:32	Bird	Garrulax leucolophus	2	NA
CT_20	11/01/2022	IMG_0182.AVI	31/12/2021 16:53	31/12/2021	16:53:32	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0183.AVI	31/12/2021 16:54	31/12/2021	16:54:42	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0184.AVI	31/12/2021 19:29	31/12/2021	19:29:46	Mammal	Paradoxurus musangus	1	NA
CT_20	11/01/2022	IMG_0185.AVI	01/01/2022 09:50	01/01/2022	09:50:12	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0186.AVI	01/01/2022 12:43	01/01/2022	12:43:16	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0187.AVI	01/01/2022 13:04	01/01/2022	13:04:18	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0188.AVI	01/01/2022 13:12	01/01/2022	13:13:06	Bird	Garrulax leucolophus	1	NA
CT_20	11/01/2022	IMG_0189.AVI	01/01/2022 13:56	01/01/2022	13:57:04	Bird	Garrulax leucolophus	1	NA
CT_20	11/01/2022	IMG_0190.AVI	01/01/2022 15:04	01/01/2022	15:04:34	Bird	Garrulax leucolophus	1	NA
CT_20	11/01/2022	IMG_0191.AVI	01/01/2022 15:04	01/01/2022	15:05:00	Bird	Garrulax leucolophus	1	NA
CT_20	11/01/2022	IMG_0192.AVI	01/01/2022 18:51	01/01/2022	18:51:40	Bird	Rallina fasciata	1	NA
CT_20	11/01/2022	IMG_0193.AVI	02/01/2022 08:01	02/01/2022	08:02:04	Bird	Amaurornis phoenicurus	1	NA
CT_20	11/01/2022	IMG_0194.AVI	02/01/2022 13:34	02/01/2022	13:35:06	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0196.AVI	02/01/2022 17:11	02/01/2022	17:11:44	Bird	Amaurornis phoenicurus	1	NA
CT_20	11/01/2022	IMG_0197.AVI	03/01/2022 04:19	02/01/2022	04:19:34	Mammal	Rattus sp.	1	NA
CT_20	11/01/2022	IMG_0198.AVI	03/01/2022 09:11	03/01/2022	09:11:20	Bird	Garrulax leucolophus	2	NA
CT_20	11/01/2022	IMG_0199.AVI	03/01/2022 14:17	03/01/2022	14:17:10	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0200.AVI	03/01/2022 14:43	03/01/2022	14:43:12	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0201.AVI	04/01/2022 07:13	03/01/2022	07:13:34	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0202.AVI	04/01/2022 07:52	03/01/2022	07:52:26	Bird	Amaurornis phoenicurus	1	NA
CT_20	11/01/2022	IMG_0203.AVI	04/01/2022 07:54	03/01/2022	07:54:14	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0204.AVI	04/01/2022 08:04	04/01/2022	08:05:04	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0205.AVI	04/01/2022 11:19	04/01/2022	11:19:12	Bird	Garrulax leucolophus	1	NA
CT_20	11/01/2022	IMG_0206.AVI	04/01/2022 11:20	04/01/2022	11:20:10	Bird	Garrulax leucolophus	1	NA
CT_20	11/01/2022	IMG_0207.AVI	04/01/2022 11:23	04/01/2022	11:23:46	Bird	Garrulax leucolophus	1	NA
CT_20	11/01/2022	IMG_0208.AVI	04/01/2022 13:20	04/01/2022	13:20:54	Bird	Amaurornis phoenicurus	1	NA
CT_20	11/01/2022	IMG_0209.AVI	04/01/2022 18:05	04/01/2022	18:06:06	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0210.AVI	04/01/2022 18:09	04/01/2022	18:09:18	Bird	Rallina fasciata	1	NA
CT_20	11/01/2022	IMG_0211.AVI	05/01/2022 07:21	04/01/2022	07:21:48	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0212.AVI	05/01/2022 10:23	05/01/2022	10:23:18	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0214.AVI	05/01/2022 11:51	05/01/2022	11:51:20	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0215.AVI	05/01/2022 16:33	05/01/2022	16:33:20	Mammal	Tupaia glis	1	NA

Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
CT_20	11/01/2022	IMG_0216.AVI	05/01/2022 16:49	05/01/2022	16:49:10	Mammal	Unidentified squirrel or treeshrew	1	NA
CT_20	11/01/2022	IMG_0217.AVI	05/01/2022 17:37	05/01/2022	17:37:46	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0218.AVI	05/01/2022 18:16	05/01/2022	18:16:18	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0219.AVI	05/01/2022 18:21	05/01/2022	18:22:06	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0220.AVI	05/01/2022 18:22	05/01/2022	18:22:36	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0222.AVI	06/01/2022 08:48	06/01/2022	08:48:52	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0223.AVI	06/01/2022 12:50	06/01/2022	12:50:46	Bird	Gallus gallus	1	NA
CT_20	11/01/2022	IMG_0225.AVI	07/01/2022 07:13	06/01/2022	07:13:24	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0226.AVI	07/01/2022 09:42	07/01/2022	09:43:00	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0227.AVI	07/01/2022 10:35	07/01/2022	10:35:38	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0228.AVI	07/01/2022 12:00	07/01/2022	12:01:06	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0230.AVI	07/01/2022 15:32	07/01/2022	15:32:58	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0231.AVI	07/01/2022 16:08	07/01/2022	16:09:08	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0232.AVI	08/01/2022 09:46	08/01/2022	09:46:34	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0233.AVI	08/01/2022 09:48	08/01/2022	09:48:16	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0233.AVI	08/01/2022 09:48	08/01/2022	09:48:16	Bird	Gallus gallus	1	NA
CT_20	11/01/2022	IMG_0234.AVI	08/01/2022 09:49	08/01/2022	09:49:54	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0235.AVI	08/01/2022 10:16	08/01/2022	10:16:12	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0235.AVI	08/01/2022 10:16	08/01/2022	10:16:12	Bird	Gallus gallus	1	NA
CT_20	11/01/2022	IMG_0236.AVI	08/01/2022 10:24	08/01/2022	10:24:30	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0236.AVI	08/01/2022 10:24	08/01/2022	10:24:30	Bird	Gallus gallus	1	NA
CT_20	11/01/2022	IMG_0237.AVI	08/01/2022 10:44	08/01/2022	10:44:56	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0238.AVI	08/01/2022 10:48	08/01/2022	10:48:14	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0239.AVI	08/01/2022 17:33	08/01/2022	17:33:24	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0240.AVI	08/01/2022 17:33	08/01/2022	17:34:00	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0241.AVI	08/01/2022 17:34	08/01/2022	17:34:34	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0242.AVI	08/01/2022 17:34	08/01/2022	17:35:02	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0243.AVI	08/01/2022 17:35	08/01/2022	17:35:30	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0244.AVI	08/01/2022 17:36	08/01/2022	17:36:20	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0245.AVI	08/01/2022 17:36	08/01/2022	17:36:46	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0246.AVI	08/01/2022 17:37	08/01/2022	17:37:16	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0247.AVI	08/01/2022 17:38	08/01/2022	17:38:12	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0247.AVI	08/01/2022 17:38	08/01/2022	17:38:12	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0248.AVI	08/01/2022 17:50	08/01/2022	17:51:00	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0249.AVI	08/01/2022 17:54	08/01/2022	17:54:32	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0251.AVI	09/01/2022 08:11	09/01/2022	08:11:28	Bird	Gallus gallus	1	NA
CT_20	11/01/2022	IMG_0252.AVI	09/01/2022 13:14	09/01/2022	13:14:34	Bird	Gallus gallus	1	NA
CT_20	11/01/2022	IMG_0253.AVI	09/01/2022 13:15	09/01/2022	13:15:10	Bird	Gallus gallus	1	NA
CT_20	11/01/2022	IMG_0254.AVI	09/01/2022 13:19	09/01/2022	13:19:12	Bird	Gallus gallus	1	NA
CT_20	11/01/2022	IMG_0255.AVI	09/01/2022 13:48	09/01/2022	13:48:48	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0256.AVI	09/01/2022 13:49	09/01/2022	13:49:52	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0258.AVI	09/01/2022 18:43	09/01/2022	18:43:10	Bird	Gallus gallus	1	NA
CT_20	11/01/2022	IMG_0259.AVI	10/01/2022 07:19	09/01/2022	07:19:14	Bird	Rallina fasciata	1	NA
CT_20	11/01/2022	IMG_0260.AVI	10/01/2022 09:12	10/01/2022	09:12:52	Bird	Rallina fasciata	1	NA
CT_20	11/01/2022	IMG_0262.AVI	10/01/2022 10:02	10/01/2022	10:02:26	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0263.AVI	10/01/2022 10:04	10/01/2022	10:04:24	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0264.AVI	10/01/2022 10:04	10/01/2022	10:04:52	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0265.AVI	10/01/2022 10:10	10/01/2022	10:10:58	Reptile	Varanus nebulosus	1	NA
CT_20	11/01/2022	IMG_0266.AVI	10/01/2022 11:22	10/01/2022	11:22:36	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0268.AVI	10/01/2022 18:52	10/01/2022	18:52:38	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0269.AVI	10/01/2022 20:16	10/01/2022	20:16:58	Mammal	Paradoxurus musangus	1	NA
CT_20	11/01/2022	IMG_0270.AVI	10/01/2022 20:25	10/01/2022	20:25:20	Mammal	Paradoxurus musangus	1	NA
CT_20	11/01/2022	IMG_0271.AVI	11/01/2022 07:15	10/01/2022	07:16:06	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0272.AVI	11/01/2022 07:23	10/01/2022	07:23:42	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0273.AVI	11/01/2022 07:25	10/01/2022	07:25:32	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0274.AVI	11/01/2022 09:45	11/01/2022	09:45:26	Mammal	Callosciurus notatus	1	NA
CT_20	11/01/2022	IMG_0275.AVI	11/01/2022 10:31	11/01/2022	10:31:18	Mammal	Tupaia glis	1	NA

Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
CT_20	11/01/2022	IMG_0276.AVI	11/01/2022 11:27	11/01/2022	11:27:38	Bird	Gallus gallus	1	NA
CT_20	11/01/2022	IMG_0277.AVI	11/01/2022 11:28	11/01/2022	11:28:10	Bird	Gallus gallus	1	NA
CT_20	11/01/2022	IMG_0278.AVI	11/01/2022 11:28	11/01/2022	11:29:00	Bird	Gallus gallus	1	NA
CT_20	11/01/2022	IMG_0279.AVI	11/01/2022 11:29	11/01/2022	11:29:30	Reptile	Varanus sp.	1	NA
CT_20	11/01/2022	IMG_0279.AVI	11/01/2022 11:29	11/01/2022	11:29:30	Bird	Gallus gallus	1	NA
CT_20	11/01/2022	IMG_0280.AVI	11/01/2022 11:29	11/01/2022	11:29:52	Reptile	Varanus sp.	1	NA
CT_20	11/01/2022	IMG_0280.AVI	11/01/2022 11:29	11/01/2022	11:29:52	Bird	Gallus gallus	1	NA
CT_20	11/01/2022	IMG_0281.AVI	11/01/2022 11:36	11/01/2022	11:37:08	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0282.AVI	11/01/2022 12:33	11/01/2022	12:33:42	Mammal	Tupaia glis	1	NA
CT_20	11/01/2022	IMG_0283.AVI	11/01/2022 13:22	11/01/2022	13:22:28	Mammal	Tupaia glis	1	NA
CT_21	06/10/2021	IMG_0006.AVI	02/10/2021 07:12	01/10/2021	07:12:58	Bird	Amaurornis phoenicurus	2	NA
CT_21	06/10/2021	IMG_0007.AVI	02/10/2021 08:22	02/10/2021	08:22:40	Bird	Amaurornis phoenicurus	1	NA
CT_21	06/10/2021	IMG_0008.AVI	02/10/2021 11:00	02/10/2021	11:00:56	Bird	Rallina fasciata	1	NA
CT_21	06/10/2021	IMG_0009.AVI	03/10/2021 06:58	02/10/2021	06:59:08	Bird	Amaurornis phoenicurus	1	NA
CT_21	06/10/2021	IMG_0010.AVI	03/10/2021 11:41	03/10/2021	11:42:00	Mammal	Callosciurus notatus	1	NA
CT_21	06/10/2021	IMG_0011.AVI	04/10/2021 10:50	04/10/2021	10:50:24	Bird	Amaurornis phoenicurus	1	NA
CT_21	06/10/2021	IMG_0012.AVI	04/10/2021 13:20	04/10/2021	13:20:54	Mammal	Callosciurus notatus	1	NA
CT_21	06/10/2021	IMG_0013.AVI	04/10/2021 18:19	04/10/2021	18:19:44	Bird	Amaurornis phoenicurus	1	NA
CT_21	06/10/2021	IMG_0014.AVI	04/10/2021 18:22	04/10/2021	18:22:44	Bird	Amaurornis phoenicurus	1	NA
CT_21	06/10/2021	IMG_0015.AVI	04/10/2021 23:53	04/10/2021	23:53:24	Mammal	Paradoxurus musangus	1	NA
CT_21	06/10/2021	IMG_0016.AVI	05/10/2021 14:03	05/10/2021	14:04:04	Bird	Amaurornis phoenicurus	1	NA
CT_21	06/10/2021	IMG_0017.AVI	05/10/2021 16:47	05/10/2021	16:48:04	Bird	Rallina fasciata	2	NA
CT_21	06/10/2021	IMG_0018.AVI	05/10/2021 17:45	05/10/2021	17:45:30	Bird	Amaurornis phoenicurus	1	NA
CT_21	06/10/2021	IMG_0019.AVI	06/10/2021 07:01	05/10/2021	07:01:24	Bird	Amaurornis phoenicurus	1	NA
CT_21	06/10/2021	IMG_0020.AVI	06/10/2021 07:11	05/10/2021	07:11:50	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0003.AVI	06/10/2021 11:13	06/10/2021	11:13:42	Reptile	Varanus nebulosus	1	NA
CT_21	12/11/2021	IMG_0004.AVI	06/10/2021 17:23	06/10/2021	17:24:00	Bird	Rallina fasciata	1	NA
CT_21	12/11/2021	IMG_0005.AVI	06/10/2021 17:37	06/10/2021	17:37:26	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0006.AVI	06/10/2021 17:58	06/10/2021	17:58:28	Bird	Picus vittatus	1	NA
CT_21	12/11/2021	IMG_0007.AVI	06/10/2021 17:58	06/10/2021	17:58:56	Bird	Picus vittatus	1	NA
CT_21	12/11/2021	IMG_0008.AVI	06/10/2021 17:59	06/10/2021	17:59:16	Bird	Picus vittatus	1	NA
CT_21	12/11/2021	IMG_0009.AVI	06/10/2021 18:57	06/10/2021	18:57:34	Bird	Rallina fasciata	1	NA
CT_21	12/11/2021	IMG_0010.AVI	07/10/2021 08:04	07/10/2021	08:04:26	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0011.AVI	07/10/2021 10:48	07/10/2021	10:48:30	Bird	Larvivora cyane	1	NA
CT_21	12/11/2021	IMG_0012.AVI	07/10/2021 11:39	07/10/2021	11:39:44	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0013.AVI	07/10/2021 12:59	07/10/2021	12:59:32	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0014.AVI	07/10/2021 18:11	07/10/2021	18:11:50	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0015.AVI	07/10/2021 18:54	07/10/2021	18:54:56	Bird	Rallina fasciata	1	NA
CT_21	12/11/2021	IMG_0016.AVI	08/10/2021 13:42	08/10/2021	13:42:56	Reptile	Varanus nebulosus	1	NA
CT_21	12/11/2021	IMG_0017.AVI	08/10/2021 14:39	08/10/2021	14:39:20	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0018.AVI	08/10/2021 17:01	08/10/2021	17:01:32	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0019.AVI	08/10/2021 17:33	08/10/2021	17:33:30	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0020.AVI	08/10/2021 17:35	08/10/2021	17:35:18	Bird	Amaurornis phoenicurus	2	NA
CT_21	12/11/2021	IMG_0021.AVI	08/10/2021 17:57	08/10/2021	17:57:20	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0022.AVI	08/10/2021 18:41	08/10/2021	18:42:04	Bird	Rallina fasciata	1	NA
CT_21	12/11/2021	IMG_0023.AVI	08/10/2021 18:50	08/10/2021	18:51:02	Bird	Rallina fasciata	2	NA
CT_21	12/11/2021	IMG_0024.AVI	09/10/2021 06:58	08/10/2021	06:58:38	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0026.AVI	09/10/2021 09:19	09/10/2021	09:19:38	Bird	Rallina fasciata	1	NA
CT_21	12/11/2021	IMG_0027.AVI	09/10/2021 11:27	09/10/2021	11:27:30	Mammal	Callosciurus notatus	1	NA
CT_21	12/11/2021	IMG_0028.AVI	09/10/2021 11:27	09/10/2021	11:27:50	Mammal	Callosciurus notatus	1	NA
CT_21	12/11/2021	IMG_0029.AVI	09/10/2021 11:28	09/10/2021	11:28:12	Mammal	Callosciurus notatus	1	NA
CT_21	12/11/2021	IMG_0029.AVI	09/10/2021 11:28	09/10/2021	11:28:12	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0030.AVI	09/10/2021 11:31	09/10/2021	11:31:22	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0031.AVI	09/10/2021 11:31	09/10/2021	11:31:46	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0032.AVI	09/10/2021 12:24	09/10/2021	12:24:32	Reptile	Varanus nebulosus	1	NA
CT_21	12/11/2021	IMG_0033.AVI	09/10/2021 12:24	09/10/2021	12:24:58	Reptile	Varanus nebulosus	1	NA
CT_21	12/11/2021	IMG_0034.AVI	09/10/2021 12:57	09/10/2021	12:58:04	Reptile	Varanus nebulosus	1	NA

Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
CT_21	12/11/2021	IMG_0035.AVI	09/10/2021 13:01	09/10/2021	13:01:50	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0037.AVI	09/10/2021 14:51	09/10/2021	14:51:16	Mammal	Unidentified squirrel or treeshrew	1	NA
CT_21	12/11/2021	IMG_0038.AVI	09/10/2021 15:24	09/10/2021	15:24:48	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0039.AVI	09/10/2021 18:28	09/10/2021	18:28:38	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0040.AVI	09/10/2021 18:34	09/10/2021	18:35:08	Bird	Rallina fasciata	1	NA
CT_21	12/11/2021	IMG_0041.AVI	10/10/2021 12:14	10/10/2021	12:14:10	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0042.AVI	10/10/2021 20:57	10/10/2021	20:57:30	Mammal	Rattus sp.	1	NA
CT_21	12/11/2021	IMG_0043.AVI	10/10/2021 21:00	10/10/2021	21:00:14	Mammal	Rattus sp.	1	NA
CT_21	12/11/2021	IMG_0044.AVI	10/10/2021 22:39	10/10/2021	22:39:42	Mammal	Rattus sp.	1	NA
CT_21	12/11/2021	IMG_0046.AVI	11/10/2021 12:23	11/10/2021	12:23:52	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0047.AVI	11/10/2021 16:55	11/10/2021	16:55:14	Bird	Garrulax leucolophus	1	NA
CT_21	12/11/2021	IMG_0048.AVI	11/10/2021 16:56	11/10/2021	16:56:40	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0050.AVI	11/10/2021 19:24	11/10/2021	19:24:32	Mammal	Paradoxurus musangus	1	NA
CT_21	12/11/2021	IMG_0051.AVI	12/10/2021 07:40	11/10/2021	07:41:04	Mammal	Paradoxurus musangus	1	NA
CT_21	12/11/2021	IMG_0052.AVI	12/10/2021 10:21	12/10/2021	10:21:20	Bird	Rallina fasciata	1	NA
CT_21	12/11/2021	IMG_0053.AVI	12/10/2021 12:09	12/10/2021	12:09:30	Mammal	Paradoxurus musangus	1	NA
CT_21	12/11/2021	IMG_0054.AVI	12/10/2021 13:55	12/10/2021	13:55:42	Bird	Pitta moluccensis	1	NA
CT_21	12/11/2021	IMG_0055.AVI	12/10/2021 18:25	12/10/2021	18:25:52	Bird	Rallina fasciata	1	NA
CT_21	12/11/2021	IMG_0055.AVI	12/10/2021 18:25	12/10/2021	18:25:52	Bird	Rallina fasciata	1	NA
CT_21	12/11/2021	IMG_0056.AVI	13/10/2021 08:17	13/10/2021	08:17:54	Bird	Picus vittatus	1	NA
CT_21	12/11/2021	IMG_0057.AVI	13/10/2021 13:13	13/10/2021	13:13:20	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0058.AVI	13/10/2021 14:07	13/10/2021	14:07:52	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0059.AVI	13/10/2021 18:03	13/10/2021	18:03:54	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0060.AVI	13/10/2021 18:15	13/10/2021	18:16:08	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0061.AVI	13/10/2021 18:43	13/10/2021	18:44:00	Bird	Rallina fasciata	1	NA
CT_21	12/11/2021	IMG_0062.AVI	14/10/2021 08:39	14/10/2021	08:39:52	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0063.AVI	14/10/2021 13:07	14/10/2021	13:08:02	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0064.AVI	14/10/2021 13:14	14/10/2021	13:14:24	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0065.AVI	14/10/2021 14:04	14/10/2021	14:04:58	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0066.AVI	14/10/2021 18:38	14/10/2021	18:38:58	Bird	Rallina fasciata	1	NA
CT_21	12/11/2021	IMG_0067.AVI	14/10/2021 18:45	14/10/2021	18:45:12	Bird	Rallina fasciata	1	NA
CT_21	12/11/2021	IMG_0068.AVI	14/10/2021 18:46	14/10/2021	18:46:20	Bird	Rallina fasciata	1	NA
CT_21	12/11/2021	IMG_0069.AVI	15/10/2021 09:57	15/10/2021	09:57:18	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0071.AVI	15/10/2021 11:37	15/10/2021	11:37:16	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0072.AVI	15/10/2021 18:37	15/10/2021	18:37:38	Bird	Rallina fasciata	1	NA
CT_21	12/11/2021	IMG_0073.AVI	15/10/2021 18:39	15/10/2021	18:39:24	Bird	Rallina fasciata	1	NA
CT_21	12/11/2021	IMG_0074.AVI	15/10/2021 18:48	15/10/2021	18:48:58	Bird	Rallina fasciata	1	NA
CT_21	12/11/2021	IMG_0075.AVI	15/10/2021 20:29	15/10/2021	20:30:04	Mammal	Paradoxurus musangus	1	NA
CT_21	12/11/2021	IMG_0076.AVI	15/10/2021 20:30	15/10/2021	20:30:32	Mammal	Paradoxurus musangus	1	NA
CT_21	12/11/2021	IMG_0077.AVI	16/10/2021 08:16	16/10/2021	08:16:22	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0078.AVI	16/10/2021 10:35	16/10/2021	10:35:30	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0080.AVI	16/10/2021 16:01	16/10/2021	16:02:02	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0081.AVI	16/10/2021 16:55	16/10/2021	16:55:42	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0082.AVI	16/10/2021 17:40	16/10/2021	17:40:40	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0083.AVI	18/10/2021 11:37	18/10/2021	11:38:08	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0084.AVI	18/10/2021 12:33	18/10/2021	12:33:28	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0085.AVI	18/10/2021 12:37	18/10/2021	12:37:26	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0086.AVI	18/10/2021 12:44	18/10/2021	12:44:26	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0088.AVI	18/10/2021 14:33	18/10/2021	14:33:42	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0089.AVI	18/10/2021 14:57	18/10/2021	14:57:12	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0090.AVI	19/10/2021 10:36	19/10/2021	10:36:20	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0091.AVI	19/10/2021 11:02	19/10/2021	11:03:06	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0092.AVI	19/10/2021 11:38	19/10/2021	11:39:08	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0094.AVI	19/10/2021 12:10	19/10/2021	12:10:26	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0095.AVI	19/10/2021 12:14	19/10/2021	12:15:02	Reptile	Varanus sp.	1	NA
CT_21	12/11/2021	IMG_0096.AVI	19/10/2021 12:18	19/10/2021	12:19:04	Reptile	Varanus nebulosus	1	NA
CT_21	12/11/2021	IMG_0097.AVI	19/10/2021 12:52	19/10/2021	12:53:04	Bird	Amaurornis phoenicurus	1	NA

Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
CT_21	12/11/2021	IMG_0098.AVI	19/10/2021 13:37	19/10/2021	13:38:08	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0099.AVI	19/10/2021 18:06	19/10/2021	18:07:08	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0100.AVI	19/10/2021 18:49	19/10/2021	18:49:46	Bird	Rallina fasciata	1	NA
CT_21	12/11/2021	IMG_0101.AVI	20/10/2021 07:03	19/10/2021	07:04:08	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0102.AVI	20/10/2021 12:14	20/10/2021	12:14:20	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0103.AVI	20/10/2021 16:54	20/10/2021	16:55:02	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0104.AVI	21/10/2021 11:43	21/10/2021	11:43:54	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0105.AVI	21/10/2021 12:15	21/10/2021	12:15:34	Bird	Gallus gallus	1	NA
CT_21	12/11/2021	IMG_0106.AVI	21/10/2021 13:57	21/10/2021	13:57:40	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0107.AVI	21/10/2021 14:07	21/10/2021	14:07:32	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0108.AVI	21/10/2021 14:09	21/10/2021	14:09:34	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0109.AVI	21/10/2021 14:19	21/10/2021	14:19:32	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0110.AVI	21/10/2021 16:16	21/10/2021	16:16:32	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0111.AVI	21/10/2021 16:52	21/10/2021	16:52:38	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0112.AVI	21/10/2021 17:04	21/10/2021	17:04:48	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0113.AVI	22/10/2021 07:14	21/10/2021	07:14:16	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0114.AVI	22/10/2021 07:15	21/10/2021	07:15:14	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0115.AVI	22/10/2021 09:28	22/10/2021	09:28:46	Mammal	Callosciurus notatus	1	NA
CT_21	12/11/2021	IMG_0116.AVI	22/10/2021 09:55	22/10/2021	09:55:32	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0117.AVI	22/10/2021 10:12	22/10/2021	10:12:44	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0118.AVI	22/10/2021 14:37	22/10/2021	14:37:32	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0119.AVI	22/10/2021 14:41	22/10/2021	14:41:48	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0120.AVI	22/10/2021 17:30	22/10/2021	17:31:02	Bird	Picus vittatus	1	NA
CT_21	12/11/2021	IMG_0121.AVI	22/10/2021 18:20	22/10/2021	18:20:46	Bird	Amaurornis phoenicurus	2	NA
CT_21	12/11/2021	IMG_0122.AVI	23/10/2021 06:58	22/10/2021	06:59:02	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0123.AVI	23/10/2021 07:03	22/10/2021	07:03:54	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0124.AVI	23/10/2021 09:07	23/10/2021	09:08:02	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0125.AVI	23/10/2021 09:15	23/10/2021	09:15:16	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0126.AVI	23/10/2021 09:24	23/10/2021	09:24:22	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0127.AVI	23/10/2021 11:25	23/10/2021	11:25:48	Reptile	Varanus nebulosus	1	NA
CT_21	12/11/2021	IMG_0128.AVI	23/10/2021 11:26	23/10/2021	11:26:44	Reptile	Varanus nebulosus	1	NA
CT_21	12/11/2021	IMG_0129.AVI	23/10/2021 12:32	23/10/2021	12:32:34	Bird	Garrulax leucolophus	3	NA
CT_21	12/11/2021	IMG_0130.AVI	23/10/2021 12:33	23/10/2021	12:33:56	Bird	Garrulax leucolophus	3	NA
CT_21	12/11/2021	IMG_0131.AVI	23/10/2021 12:34	23/10/2021	12:34:16	Bird	Garrulax leucolophus	4	NA
CT_21	12/11/2021	IMG_0132.AVI	23/10/2021 12:34	23/10/2021	12:34:38	Bird	Garrulax leucolophus	2	NA
CT_21	12/11/2021	IMG_0133.AVI	23/10/2021 17:20	23/10/2021	17:20:20	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0134.AVI	23/10/2021 17:29	23/10/2021	17:29:28	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0135.AVI	23/10/2021 18:11	23/10/2021	18:12:02	Bird	Rallina fasciata	1	NA
CT_21	12/11/2021	IMG_0136.AVI	24/10/2021 07:08	23/10/2021	07:08:16	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0137.AVI	24/10/2021 10:46	24/10/2021	10:46:10	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0138.AVI	24/10/2021 11:39	24/10/2021	11:39:36	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0139.AVI	24/10/2021 12:42	24/10/2021	12:42:30	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0140.AVI	24/10/2021 12:48	24/10/2021	12:48:34	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0141.AVI	24/10/2021 14:05	24/10/2021	14:05:48	Reptile	Varanus sp.	1	NA
CT_21	12/11/2021	IMG_0142.AVI	24/10/2021 14:11	24/10/2021	14:12:04	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0143.AVI	24/10/2021 16:07	24/10/2021	16:07:16	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0144.AVI	24/10/2021 18:10	24/10/2021	18:11:02	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0145.AVI	25/10/2021 07:11	24/10/2021	07:11:10	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0146.AVI	25/10/2021 08:29	25/10/2021	08:29:14	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0147.AVI	25/10/2021 09:57	25/10/2021	09:57:10	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0148.AVI	25/10/2021 09:58	25/10/2021	09:58:18	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0149.AVI	25/10/2021 10:01	25/10/2021	10:01:34	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0150.AVI	25/10/2021 10:36	25/10/2021	10:36:34	Reptile	Varanus nebulosus	1	NA
CT_21	12/11/2021	IMG_0151.AVI	25/10/2021 12:31	25/10/2021	12:31:52	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0152.AVI	25/10/2021 17:18	25/10/2021	17:18:36	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0153.AVI	25/10/2021 17:27	25/10/2021	17:27:50	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0154.AVI	25/10/2021 17:53	25/10/2021	17:53:12	Bird	Amaurornis phoenicurus	1	NA

Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
CT_21	12/11/2021	IMG_0155.AVI	25/10/2021 18:23	25/10/2021	18:23:40	Bird	Rallina fasciata	1	NA
CT_21	12/11/2021	IMG_0156.AVI	25/10/2021 18:38	25/10/2021	18:38:50	Bird	Rallina fasciata	1	NA
CT_21	12/11/2021	IMG_0157.AVI	26/10/2021 08:52	26/10/2021	08:52:32	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0158.AVI	26/10/2021 08:56	26/10/2021	08:57:06	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0159.AVI	26/10/2021 09:00	26/10/2021	09:00:32	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0160.AVI	26/10/2021 11:30	26/10/2021	11:30:56	Bird	Picus vittatus	1	NA
CT_21	12/11/2021	IMG_0161.AVI	26/10/2021 11:31	26/10/2021	11:31:18	Bird	Picus vittatus	1	NA
CT_21	12/11/2021	IMG_0162.AVI	26/10/2021 13:24	26/10/2021	13:24:14	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0163.AVI	26/10/2021 18:24	26/10/2021	18:24:44	Bird	Rallina fasciata	1	NA
CT_21	12/11/2021	IMG_0164.AVI	26/10/2021 18:35	26/10/2021	18:35:48	Bird	Rallina fasciata	1	NA
CT_21	12/11/2021	IMG_0165.AVI	26/10/2021 18:36	26/10/2021	18:36:50	Bird	Rallina fasciata	1	NA
CT_21	12/11/2021	IMG_0166.AVI	27/10/2021 10:36	27/10/2021	10:36:18	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0167.AVI	27/10/2021 13:22	27/10/2021	13:22:52	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0168.AVI	28/10/2021 07:28	27/10/2021	07:28:14	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0169.AVI	28/10/2021 11:06	28/10/2021	11:06:28	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0170.AVI	28/10/2021 12:00	28/10/2021	12:00:52	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0171.AVI	28/10/2021 17:42	28/10/2021	17:42:36	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0172.AVI	28/10/2021 17:46	28/10/2021	17:47:08	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0173.AVI	28/10/2021 18:22	28/10/2021	18:22:36	Bird	Rallina fasciata	1	NA
CT_21	12/11/2021	IMG_0174.AVI	29/10/2021 13:04	29/10/2021	13:04:40	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0175.AVI	29/10/2021 15:11	29/10/2021	15:12:02	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0176.AVI	29/10/2021 15:27	29/10/2021	15:27:18	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0177.AVI	29/10/2021 17:27	29/10/2021	17:27:46	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0178.AVI	30/10/2021 07:20	29/10/2021	07:20:42	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0179.AVI	30/10/2021 08:38	30/10/2021	08:39:04	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0180.AVI	30/10/2021 08:48	30/10/2021	08:48:20	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0181.AVI	30/10/2021 09:22	30/10/2021	09:22:42	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0182.AVI	30/10/2021 18:30	30/10/2021	18:30:10	Bird	Rallina fasciata	1	NA
CT_21	12/11/2021	IMG_0183.AVI	31/10/2021 02:18	30/10/2021	02:18:46	NA	Unidentified sp.	1	NA
CT_21	12/11/2021	IMG_0184.AVI	31/10/2021 07:20	30/10/2021	07:20:38	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0185.AVI	31/10/2021 10:01	31/10/2021	10:01:44	Reptile	Varanus nebulosus	1	NA
CT_21	12/11/2021	IMG_0186.AVI	31/10/2021 14:04	31/10/2021	14:04:12	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0187.AVI	31/10/2021 14:29	31/10/2021	14:29:46	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0188.AVI	31/10/2021 17:40	31/10/2021	17:40:44	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0189.AVI	01/11/2021 15:40	01/11/2021	15:40:56	Bird	Garrulax leucolophus	1	NA
CT_21	12/11/2021	IMG_0190.AVI	01/11/2021 15:41	01/11/2021	15:41:28	Bird	Garrulax leucolophus	1	NA
CT_21	12/11/2021	IMG_0191.AVI	01/11/2021 17:08	01/11/2021	17:08:28	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0192.AVI	02/11/2021 05:24	01/11/2021	05:24:56	Mammal	Paradoxurus musangus	1	NA
CT_21	12/11/2021	IMG_0193.AVI	02/11/2021 09:02	02/11/2021	09:03:02	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0194.AVI	02/11/2021 11:52	02/11/2021	11:52:50	Reptile	Varanus nebulosus	1	NA
CT_21	12/11/2021	IMG_0195.AVI	03/11/2021 07:44	02/11/2021	07:44:56	Bird	Rallina fasciata	1	NA
CT_21	12/11/2021	IMG_0196.AVI	03/11/2021 11:20	03/11/2021	11:20:16	Bird	Garrulax leucolophus	1	NA
CT_21	12/11/2021	IMG_0197.AVI	03/11/2021 11:29	03/11/2021	11:29:48	Bird	Garrulax leucolophus	1	NA
CT_21	12/11/2021	IMG_0198.AVI	03/11/2021 11:30	03/11/2021	11:30:52	Bird	Garrulax leucolophus	3	NA
CT_21	12/11/2021	IMG_0199.AVI	04/11/2021 10:56	04/11/2021	10:56:20	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0200.AVI	04/11/2021 11:00	04/11/2021	11:00:10	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0201.AVI	04/11/2021 11:12	04/11/2021	11:12:14	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0202.AVI	04/11/2021 11:13	04/11/2021	11:13:10	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0203.AVI	04/11/2021 11:14	04/11/2021	11:14:10	Bird	Amaurornis phoenicurus	2	NA
CT_21	12/11/2021	IMG_0204.AVI	04/11/2021 14:32	04/11/2021	14:32:34	Bird	Picus vittatus	1	NA
CT_21	12/11/2021	IMG_0205.AVI	04/11/2021 14:33	04/11/2021	14:33:14	Bird	Picus vittatus	1	NA
CT_21	12/11/2021	IMG_0206.AVI	04/11/2021 14:33	04/11/2021	14:33:58	Bird	Picus vittatus	1	NA
CT_21	12/11/2021	IMG_0207.AVI	04/11/2021 15:50	04/11/2021	15:50:48	Bird	Picus vittatus	1	NA
CT_21	12/11/2021	IMG_0208.AVI	04/11/2021 17:31	04/11/2021	17:32:08	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0209.AVI	05/11/2021 07:19	04/11/2021	07:19:44	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0210.AVI	05/11/2021 07:25	04/11/2021	07:25:48	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0211.AVI	05/11/2021 07:37	04/11/2021	07:37:18	Bird	Amaurornis phoenicurus	1	NA

Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
CT_21	12/11/2021	IMG_0212.AVI	05/11/2021 09:02	05/11/2021	09:02:16	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0213.AVI	05/11/2021 14:05	05/11/2021	14:05:10	Bird	Rallina fasciata	1	NA
CT_21	12/11/2021	IMG_0214.AVI	05/11/2021 14:09	05/11/2021	14:09:10	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0215.AVI	05/11/2021 14:09	05/11/2021	14:09:40	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0216.AVI	05/11/2021 14:09	05/11/2021	14:10:04	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0218.AVI	06/11/2021 08:17	06/11/2021	08:17:20	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0219.AVI	06/11/2021 13:14	06/11/2021	13:14:20	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0221.AVI	06/11/2021 17:16	06/11/2021	17:16:10	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0222.AVI	06/11/2021 18:21	06/11/2021	18:22:06	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0223.AVI	06/11/2021 18:42	06/11/2021	18:42:36	Bird	Rallina fasciata	1	NA
CT_21	12/11/2021	IMG_0224.AVI	07/11/2021 07:17	06/11/2021	07:17:34	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0225.AVI	07/11/2021 07:29	06/11/2021	07:29:16	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0226.AVI	07/11/2021 09:07	07/11/2021	09:07:56	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0227.AVI	07/11/2021 10:17	07/11/2021	10:17:38	Bird	Centropus sinensis	1	NA
CT_21	12/11/2021	IMG_0228.AVI	07/11/2021 14:03	07/11/2021	14:03:54	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0229.AVI	07/11/2021 14:04	07/11/2021	14:04:20	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0230.AVI	08/11/2021 06:52	07/11/2021	06:52:30	Bird	Unidentified bird	1	NA
CT_21	12/11/2021	IMG_0231.AVI	08/11/2021 06:53	07/11/2021	06:53:38	Bird	Unidentified bird	1	NA
CT_21	12/11/2021	IMG_0233.AVI	08/11/2021 08:38	08/11/2021	08:38:30	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0234.AVI	08/11/2021 08:38	08/11/2021	08:38:52	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0235.AVI	08/11/2021 09:21	08/11/2021	09:21:10	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0236.AVI	08/11/2021 14:25	08/11/2021	14:26:08	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0237.AVI	08/11/2021 15:36	08/11/2021	15:36:58	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0238.AVI	08/11/2021 15:51	08/11/2021	15:51:52	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0239.AVI	08/11/2021 16:05	08/11/2021	16:05:16	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0240.AVI	08/11/2021 17:49	08/11/2021	17:49:44	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0241.AVI	08/11/2021 18:00	08/11/2021	18:00:20	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0242.AVI	08/11/2021 18:02	08/11/2021	18:02:30	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0243.AVI	09/11/2021 07:10	08/11/2021	07:11:06	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0244.AVI	09/11/2021 08:39	09/11/2021	08:39:32	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0245.AVI	09/11/2021 08:41	09/11/2021	08:41:58	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0246.AVI	09/11/2021 08:50	09/11/2021	08:51:06	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0247.AVI	09/11/2021 08:51	09/11/2021	08:51:46	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0248.AVI	09/11/2021 09:12	09/11/2021	09:12:30	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0249.AVI	09/11/2021 10:22	09/11/2021	10:22:14	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0250.AVI	09/11/2021 11:07	09/11/2021	11:07:38	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0251.AVI	09/11/2021 11:21	09/11/2021	11:21:34	Reptile	Varanus nebulosus	1	NA
CT_21	12/11/2021	IMG_0252.AVI	09/11/2021 11:45	09/11/2021	11:45:30	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0253.AVI	09/11/2021 14:11	09/11/2021	14:11:16	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0255.AVI	09/11/2021 16:16	09/11/2021	16:16:30	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0256.AVI	09/11/2021 18:29	09/11/2021	18:29:44	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0257.AVI	09/11/2021 18:30	09/11/2021	18:30:22	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0258.AVI	09/11/2021 20:18	09/11/2021	20:18:28	Mammal	Rattus sp.	1	NA
CT_21	12/11/2021	IMG_0259.AVI	10/11/2021 07:08	09/11/2021	07:08:32	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0260.AVI	10/11/2021 07:33	09/11/2021	07:33:56	Bird	Chalcophaps indica	1	NA
CT_21	12/11/2021	IMG_0261.AVI	10/11/2021 08:12	10/11/2021	08:12:18	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0262.AVI	10/11/2021 08:55	10/11/2021	08:56:04	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0263.AVI	10/11/2021 09:46	10/11/2021	09:46:12	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0264.AVI	10/11/2021 13:30	10/11/2021	13:30:56	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0265.AVI	10/11/2021 18:02	10/11/2021	18:02:38	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0266.AVI	11/11/2021 06:59	10/11/2021	06:59:46	Bird	Amaurornis phoenicurus	2	NA
CT_21	12/11/2021	IMG_0267.AVI	11/11/2021 16:31	11/11/2021	16:31:18	Bird	Amaurornis phoenicurus	2	NA
CT_21	12/11/2021	IMG_0268.AVI	11/11/2021 16:38	11/11/2021	16:38:26	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0269.AVI	11/11/2021 17:46	11/11/2021	17:46:10	Bird	Amaurornis phoenicurus	1	NA
CT_21	12/11/2021	IMG_0270.AVI	11/11/2021 17:52	11/11/2021	17:53:06	Bird	Amaurornis phoenicurus	2	NA
CT_21	12/11/2021	IMG_0271.AVI	11/11/2021 18:01	11/11/2021	18:01:40	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0007.AVI	02/12/2021 16:15	02/12/2021	16:15:44	Bird	Garrulax leucolophus	1	NA

Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
CT_21	11/01/2022	IMG_0008.AVI	02/12/2021 16:16	02/12/2021	16:16:18	Bird	Garrulax leucolophus	1	NA
CT_21	11/01/2022	IMG_0009.AVI	02/12/2021 16:17	02/12/2021	16:17:48	Bird	Garrulax leucolophus	1	NA
CT_21	11/01/2022	IMG_0010.AVI	02/12/2021 16:57	02/12/2021	16:57:16	Bird	Garrulax leucolophus	1	NA
CT_21	11/01/2022	IMG_0011.AVI	02/12/2021 17:15	02/12/2021	17:15:22	Mammal	Tupaia glis	1	NA
CT_21	11/01/2022	IMG_0012.AVI	03/12/2021 00:02	02/12/2021	00:02:10	Mammal	Rattus sp.	1	NA
CT_21	11/01/2022	IMG_0013.AVI	03/12/2021 08:08	03/12/2021	08:08:50	Bird	Garrulax leucolophus	1	NA
CT_21	11/01/2022	IMG_0014.AVI	03/12/2021 18:53	03/12/2021	18:53:48	Bird	Rallina fasciata	2	NA
CT_21	11/01/2022	IMG_0015.AVI	04/12/2021 11:34	04/12/2021	11:34:28	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0016.AVI	04/12/2021 15:21	04/12/2021	15:21:46	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0017.AVI	05/12/2021 12:12	05/12/2021	12:12:36	Reptile	Varanus nebulosus	1	NA
CT_21	11/01/2022	IMG_0018.AVI	05/12/2021 15:15	05/12/2021	15:15:16	Bird	Amaurornis phoenicurus	2	NA
CT_21	11/01/2022	IMG_0019.AVI	05/12/2021 18:30	05/12/2021	18:30:12	Bird	Rallina fasciata	1	NA
CT_21	11/01/2022	IMG_0020.AVI	05/12/2021 20:32	05/12/2021	20:32:52	Mammal	Rattus sp.	1	NA
CT_21	11/01/2022	IMG_0021.AVI	05/12/2021 21:09	05/12/2021	21:09:16	Mammal	Rattus sp.	1	NA
CT_21	11/01/2022	IMG_0022.AVI	05/12/2021 21:11	05/12/2021	21:11:52	Mammal	Rattus sp.	1	NA
CT_21	11/01/2022	IMG_0023.AVI	05/12/2021 21:12	05/12/2021	21:12:22	Mammal	Rattus sp.	2	NA
CT_21	11/01/2022	IMG_0024.AVI	05/12/2021 21:12	05/12/2021	21:12:46	Mammal	Rattus sp.	1	NA
CT_21	11/01/2022	IMG_0025.AVI	06/12/2021 10:18	06/12/2021	10:18:36	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0026.AVI	06/12/2021 10:19	06/12/2021	10:19:58	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0027.AVI	06/12/2021 11:05	06/12/2021	11:05:52	Reptile	Varanus nebulosus	1	NA
CT_21	11/01/2022	IMG_0028.AVI	06/12/2021 15:05	06/12/2021	15:05:12	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0029.AVI	06/12/2021 16:52	06/12/2021	16:52:56	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0030.AVI	07/12/2021 08:13	07/12/2021	08:13:52	Bird	Rallina fasciata	1	NA
CT_21	11/01/2022	IMG_0031.AVI	07/12/2021 12:01	07/12/2021	12:01:40	Bird	Centropus sinensis	1	NA
CT_21	11/01/2022	IMG_0032.AVI	07/12/2021 13:23	07/12/2021	13:23:20	Reptile	Varanus nebulosus	1	NA
CT_21	11/01/2022	IMG_0033.AVI	07/12/2021 14:24	07/12/2021	14:24:38	NA	Unidentified sp.	1	NA
CT_21	11/01/2022	IMG_0034.AVI	07/12/2021 14:26	07/12/2021	14:26:12	NA	Unidentified sp.	1	NA
CT_21	11/01/2022	IMG_0035.AVI	07/12/2021 15:32	07/12/2021	15:33:04	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0036.AVI	08/12/2021 09:15	08/12/2021	09:15:22	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0037.AVI	08/12/2021 13:11	08/12/2021	13:12:08	Reptile	Varanus salvator	1	NA
CT_21	11/01/2022	IMG_0038.AVI	08/12/2021 13:12	08/12/2021	13:12:32	Reptile	Varanus salvator	1	NA
CT_21	11/01/2022	IMG_0039.AVI	08/12/2021 13:55	08/12/2021	13:55:10	Reptile	Varanus nebulosus	1	NA
CT_21	11/01/2022	IMG_0040.AVI	08/12/2021 15:10	08/12/2021	15:10:26	Reptile	Varanus nebulosus	1	NA
CT_21	11/01/2022	IMG_0041.AVI	09/12/2021 11:38	09/12/2021	11:38:40	Reptile	Varanus nebulosus	1	NA
CT_21	11/01/2022	IMG_0042.AVI	09/12/2021 13:22	09/12/2021	13:22:38	Reptile	Varanus nebulosus	1	NA
CT_21	11/01/2022	IMG_0043.AVI	11/12/2021 18:11	11/12/2021	18:11:34	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0044.AVI	12/12/2021 02:55	11/12/2021	02:55:58	Mammal	Rattus sp.	1	NA
CT_21	11/01/2022	IMG_0045.AVI	12/12/2021 07:21	11/12/2021	07:21:56	Bird	Amaurornis phoenicurus	2	NA
CT_21	11/01/2022	IMG_0046.AVI	12/12/2021 13:02	12/12/2021	13:02:52	Bird	Gallus gallus	1	NA
CT_21	11/01/2022	IMG_0047.AVI	12/12/2021 13:13	12/12/2021	13:14:00	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0048.AVI	12/12/2021 16:29	12/12/2021	16:30:00	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0049.AVI	12/12/2021 17:52	12/12/2021	17:53:00	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0050.AVI	12/12/2021 18:17	12/12/2021	18:18:04	Bird	Amaurornis phoenicurus	2	NA
CT_21	11/01/2022	IMG_0051.AVI	13/12/2021 05:08	12/12/2021	05:08:44	Mammal	Rattus sp.	1	NA
CT_21	11/01/2022	IMG_0052.AVI	13/12/2021 05:09	12/12/2021	05:09:24	Mammal	Rattus sp.	1	NA
CT_21	11/01/2022	IMG_0053.AVI	13/12/2021 05:16	12/12/2021	05:16:20	Mammal	Rattus sp.	1	NA
CT_21	11/01/2022	IMG_0054.AVI	13/12/2021 05:19	12/12/2021	05:19:42	Mammal	Manis javanica	1	NA
CT_21	11/01/2022	IMG_0055.AVI	13/12/2021 07:24	12/12/2021	07:24:40	Bird	Amaurornis phoenicurus	2	NA
CT_21	11/01/2022	IMG_0056.AVI	13/12/2021 09:49	13/12/2021	09:49:20	Mammal	Unidentified squirrel or treeshrew	1	NA
CT_21	11/01/2022	IMG_0057.AVI	13/12/2021 09:52	13/12/2021	09:52:54	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0058.AVI	14/12/2021 08:07	14/12/2021	08:07:30	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0059.AVI	14/12/2021 13:30	14/12/2021	13:30:40	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0060.AVI	15/12/2021 15:02	15/12/2021	15:02:48	Bird	Garrulax leucolophus	3	NA
CT_21	11/01/2022	IMG_0061.AVI	16/12/2021 03:25	15/12/2021	03:25:16	Mammal	Rattus sp.	1	NA
CT_21	11/01/2022	IMG_0063.AVI	16/12/2021 09:41	16/12/2021	09:42:08	Reptile	Varanus salvator	1	NA
CT_21	11/01/2022	IMG_0064.AVI	16/12/2021 15:50	16/12/2021	15:50:32	Bird	Garrulax leucolophus	1	NA
CT_21	11/01/2022	IMG_0065.AVI	16/12/2021 15:53	16/12/2021	15:53:40	Bird	Garrulax leucolophus	1	NA

Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
CT_21	11/01/2022	IMG_0066.AVI	16/12/2021 15:54	16/12/2021	15:54:48	Bird	Garrulax leucolophus	1	NA
CT_21	11/01/2022	IMG_0067.AVI	16/12/2021 18:22	16/12/2021	18:23:08	Bird	Rallina fasciata	1	NA
CT_21	11/01/2022	IMG_0068.AVI	16/12/2021 18:29	16/12/2021	18:29:36	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0069.AVI	17/12/2021 07:22	16/12/2021	07:22:16	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0070.AVI	17/12/2021 10:03	17/12/2021	10:03:14	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0071.AVI	17/12/2021 17:21	17/12/2021	17:22:02	Bird	Garrulax leucolophus	1	NA
CT_21	11/01/2022	IMG_0072.AVI	17/12/2021 17:22	17/12/2021	17:22:48	Bird	Garrulax leucolophus	1	NA
CT_21	11/01/2022	IMG_0073.AVI	18/12/2021 07:12	17/12/2021	07:12:56	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0074.AVI	18/12/2021 09:00	18/12/2021	09:00:34	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0075.AVI	18/12/2021 15:06	18/12/2021	15:06:40	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0076.AVI	18/12/2021 16:11	18/12/2021	16:11:40	Bird	Garrulax leucolophus	2	NA
CT_21	11/01/2022	IMG_0077.AVI	18/12/2021 16:29	18/12/2021	16:29:38	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0078.AVI	18/12/2021 17:45	18/12/2021	17:45:46	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0079.AVI	18/12/2021 18:35	18/12/2021	18:35:38	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0080.AVI	19/12/2021 07:01	18/12/2021	07:01:18	Bird	Rallina fasciata	1	NA
CT_21	11/01/2022	IMG_0081.AVI	19/12/2021 09:16	19/12/2021	09:16:36	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0082.AVI	19/12/2021 12:17	19/12/2021	12:17:50	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0084.AVI	19/12/2021 18:32	19/12/2021	18:32:36	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0085.AVI	19/12/2021 18:33	19/12/2021	18:33:36	Bird	Amaurornis phoenicurus	2	NA
CT_21	11/01/2022	IMG_0086.AVI	19/12/2021 21:26	19/12/2021	21:26:20	Mammal	Rattus sp.	1	NA
CT_21	11/01/2022	IMG_0087.AVI	19/12/2021 21:26	19/12/2021	21:26:42	Mammal	Rattus sp.	1	NA
CT_21	11/01/2022	IMG_0088.AVI	19/12/2021 21:31	19/12/2021	21:31:28	Mammal	Rattus sp.	1	NA
CT_21	11/01/2022	IMG_0089.AVI	19/12/2021 21:36	19/12/2021	21:36:18	Mammal	Rattus sp.	2	NA
CT_21	11/01/2022	IMG_0090.AVI	19/12/2021 21:36	19/12/2021	21:36:40	Mammal	Rattus sp.	2	NA
CT_21	11/01/2022	IMG_0091.AVI	19/12/2021 21:36	19/12/2021	21:37:02	Mammal	Rattus sp.	2	NA
CT_21	11/01/2022	IMG_0092.AVI	19/12/2021 21:37	19/12/2021	21:37:24	Mammal	Rattus sp.	2	NA
CT_21	11/01/2022	IMG_0093.AVI	19/12/2021 21:37	19/12/2021	21:37:48	Mammal	Rattus sp.	2	NA
CT_21	11/01/2022	IMG_0094.AVI	19/12/2021 21:38	19/12/2021	21:38:10	Mammal	Rattus sp.	2	NA
CT_21	11/01/2022	IMG_0095.AVI	19/12/2021 21:40	19/12/2021	21:40:26	Mammal	Rattus sp.	1	NA
CT_21	11/01/2022	IMG_0096.AVI	19/12/2021 22:27	19/12/2021	22:27:16	Mammal	Rattus sp.	1	NA
CT_21	11/01/2022	IMG_0097.AVI	19/12/2021 22:27	19/12/2021	22:27:54	Mammal	Rattus sp.	1	NA
CT_21	11/01/2022	IMG_0098.AVI	19/12/2021 22:28	19/12/2021	22:28:16	Mammal	Rattus sp.	1	NA
CT_21	11/01/2022	IMG_0099.AVI	20/12/2021 07:17	19/12/2021	07:17:46	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0100.AVI	20/12/2021 11:39	20/12/2021	11:39:52	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0101.AVI	20/12/2021 13:52	20/12/2021	13:52:40	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0102.AVI	20/12/2021 15:23	20/12/2021	15:23:10	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0103.AVI	20/12/2021 15:50	20/12/2021	15:50:18	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0104.AVI	20/12/2021 16:52	20/12/2021	16:52:16	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0105.AVI	20/12/2021 16:59	20/12/2021	16:59:50	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0106.AVI	20/12/2021 17:51	20/12/2021	17:51:44	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0107.AVI	20/12/2021 18:06	20/12/2021	18:06:26	Bird	Amaurornis phoenicurus	2	NA
CT_21	11/01/2022	IMG_0108.AVI	21/12/2021 00:28	20/12/2021	00:29:08	Mammal	Rattus sp.	1	NA
CT_21	11/01/2022	IMG_0109.AVI	21/12/2021 12:22	21/12/2021	12:22:58	Bird	Picus vittatus	2	NA
CT_21	11/01/2022	IMG_0110.AVI	21/12/2021 13:26	21/12/2021	13:26:42	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0111.AVI	21/12/2021 16:17	21/12/2021	16:17:18	Bird	Garrulax leucolophus	2	NA
CT_21	11/01/2022	IMG_0112.AVI	21/12/2021 17:26	21/12/2021	17:26:32	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0113.AVI	21/12/2021 17:55	21/12/2021	17:55:48	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0114.AVI	22/12/2021 05:23	21/12/2021	05:23:58	Mammal	Unidentified bat	1	NA
CT_21	11/01/2022	IMG_0115.AVI	22/12/2021 18:31	22/12/2021	18:31:14	Bird	Amaurornis phoenicurus	2	NA
CT_21	11/01/2022	IMG_0116.AVI	22/12/2021 18:54	22/12/2021	18:54:34	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0117.AVI	22/12/2021 18:57	22/12/2021	18:57:56	Bird	Rallina fasciata	2	NA
CT_21	11/01/2022	IMG_0118.AVI	23/12/2021 07:18	22/12/2021	07:18:18	Bird	Amaurornis phoenicurus	2	NA
CT_21	11/01/2022	IMG_0119.AVI	23/12/2021 15:15	23/12/2021	15:15:50	Bird	Garrulax leucolophus	1	NA
CT_21	11/01/2022	IMG_0120.AVI	23/12/2021 18:41	23/12/2021	18:41:38	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0121.AVI	24/12/2021 10:01	24/12/2021	10:01:18	Bird	Picus vittatus	1	NA
CT_21	11/01/2022	IMG_0121.AVI	24/12/2021 10:01	24/12/2021	10:01:18	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0122.AVI	24/12/2021 13:55	24/12/2021	13:55:40	Mammal	Tupaia glis	1	NA

Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
CT_21	11/01/2022	IMG_0123.AVI	24/12/2021 19:04	24/12/2021	19:04:34	Bird	Rallina fasciata	1	NA
CT_21	11/01/2022	IMG_0124.AVI	25/12/2021 13:22	25/12/2021	13:22:54	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0125.AVI	25/12/2021 18:43	25/12/2021	18:43:32	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0126.AVI	26/12/2021 07:12	25/12/2021	07:12:36	Bird	Amaurornis phoenicurus	2	NA
CT_21	11/01/2022	IMG_0127.AVI	26/12/2021 07:12	25/12/2021	07:12:58	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0128.AVI	26/12/2021 18:11	26/12/2021	18:11:54	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0130.AVI	26/12/2021 19:08	26/12/2021	19:08:50	Bird	Rallina fasciata	1	NA
CT_21	11/01/2022	IMG_0130.AVI	26/12/2021 19:08	26/12/2021	19:08:50	Amphibian	Unidentified frog	1	NA
CT_21	11/01/2022	IMG_0131.AVI	27/12/2021 08:16	27/12/2021	08:16:20	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0132.AVI	27/12/2021 08:40	27/12/2021	08:40:48	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0133.AVI	27/12/2021 08:58	27/12/2021	08:58:32	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0134.AVI	27/12/2021 12:42	27/12/2021	12:42:46	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0135.AVI	27/12/2021 15:48	27/12/2021	15:49:04	Reptile	Varanus nebulosus	1	NA
CT_21	11/01/2022	IMG_0136.AVI	27/12/2021 18:28	27/12/2021	18:28:18	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0137.AVI	28/12/2021 07:24	27/12/2021	07:24:16	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0138.AVI	28/12/2021 10:55	28/12/2021	10:55:42	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0139.AVI	28/12/2021 12:18	28/12/2021	12:18:42	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0140.AVI	28/12/2021 14:53	28/12/2021	14:53:36	Bird	Spilopelia chinensis	1	NA
CT_21	11/01/2022	IMG_0141.AVI	28/12/2021 14:53	28/12/2021	14:53:58	Bird	Spilopelia chinensis	1	NA
CT_21	11/01/2022	IMG_0142.AVI	28/12/2021 16:59	28/12/2021	16:59:26	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0143.AVI	28/12/2021 18:27	28/12/2021	18:27:56	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0144.AVI	28/12/2021 18:28	28/12/2021	18:28:20	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0145.AVI	28/12/2021 19:01	28/12/2021	19:02:04	Bird	Rallina fasciata	1	NA
CT_21	11/01/2022	IMG_0146.AVI	28/12/2021 19:03	28/12/2021	19:03:50	Bird	Rallina fasciata	1	NA
CT_21	11/01/2022	IMG_0147.AVI	29/12/2021 07:38	28/12/2021	07:39:08	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0148.AVI	29/12/2021 10:07	29/12/2021	10:07:30	Mammal	Tupaia glis	1	NA
CT_21	11/01/2022	IMG_0149.AVI	29/12/2021 16:42	29/12/2021	16:42:22	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0150.AVI	29/12/2021 16:48	29/12/2021	16:49:08	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0151.AVI	29/12/2021 18:24	29/12/2021	18:24:40	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0152.AVI	29/12/2021 18:59	29/12/2021	18:59:48	Bird	Rallina fasciata	1	NA
CT_21	11/01/2022	IMG_0153.AVI	29/12/2021 19:00	29/12/2021	19:00:22	Bird	Rallina fasciata	1	NA
CT_21	11/01/2022	IMG_0154.AVI	30/12/2021 07:36	29/12/2021	07:37:08	Bird	Gallus gallus	1	NA
CT_21	11/01/2022	IMG_0155.AVI	30/12/2021 13:29	30/12/2021	13:29:38	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0157.AVI	30/12/2021 14:26	30/12/2021	14:26:28	Bird	Amaurornis phoenicurus	2	NA
CT_21	11/01/2022	IMG_0158.AVI	30/12/2021 16:14	30/12/2021	16:14:42	Bird	Amaurornis phoenicurus	2	NA
CT_21	11/01/2022	IMG_0159.AVI	30/12/2021 16:22	30/12/2021	16:22:22	Bird	Amaurornis phoenicurus	2	NA
CT_21	11/01/2022	IMG_0160.AVI	30/12/2021 18:46	30/12/2021	18:46:38	Bird	Amaurornis phoenicurus	2	NA
CT_21	11/01/2022	IMG_0161.AVI	30/12/2021 18:46	30/12/2021	18:47:04	Bird	Amaurornis phoenicurus	2	NA
CT_21	11/01/2022	IMG_0162.AVI	31/12/2021 07:35	30/12/2021	07:36:02	Bird	Amaurornis phoenicurus	2	NA
CT_21	11/01/2022	IMG_0163.AVI	31/12/2021 16:41	31/12/2021	16:41:56	Bird	Rallina fasciata	1	NA
CT_21	11/01/2022	IMG_0164.AVI	01/01/2022 07:16	31/12/2021	07:16:58	Bird	Rallina fasciata	1	NA
CT_21	11/01/2022	IMG_0165.AVI	01/01/2022 07:26	31/12/2021	07:26:26	Bird	Amaurornis phoenicurus	2	NA
CT_21	11/01/2022	IMG_0166.AVI	01/01/2022 18:35	01/01/2022	18:36:08	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0167.AVI	02/01/2022 23:54	02/01/2022	23:54:40	Mammal	Rattus sp.	1	NA
CT_21	11/01/2022	IMG_0168.AVI	03/01/2022 07:19	02/01/2022	07:19:38	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0169.AVI	03/01/2022 12:55	03/01/2022	12:55:10	Bird	Garrulax leucolophus	1	NA
CT_21	11/01/2022	IMG_0170.AVI	03/01/2022 17:19	03/01/2022	17:19:44	Bird	Garrulax leucolophus	1	NA
CT_21	11/01/2022	IMG_0171.AVI	04/01/2022 07:17	03/01/2022	07:17:30	Bird	Amaurornis phoenicurus	2	NA
CT_21	11/01/2022	IMG_0172.AVI	04/01/2022 12:21	04/01/2022	12:21:36	Reptile	Varanus salvator	1	NA
CT_21	11/01/2022	IMG_0173.AVI	04/01/2022 12:58	04/01/2022	12:59:00	Bird	Spilopelia chinensis	1	NA
CT_21	11/01/2022	IMG_0174.AVI	04/01/2022 12:59	04/01/2022	12:59:22	Bird	Spilopelia chinensis	1	NA
CT_21	11/01/2022	IMG_0175.AVI	04/01/2022 18:04	04/01/2022	18:04:28	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0176.AVI	04/01/2022 18:48	04/01/2022	18:48:50	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0177.AVI	04/01/2022 18:52	04/01/2022	18:52:52	Bird	Amaurornis phoenicurus	2	NA
CT_21	11/01/2022	IMG_0178.AVI	05/01/2022 07:22	04/01/2022	07:23:08	Bird	Amaurornis phoenicurus	2	NA
CT_21	11/01/2022	IMG_0179.AVI	05/01/2022 07:57	04/01/2022	07:57:50	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0180.AVI	05/01/2022 08:16	05/01/2022	08:16:18	Bird	Amaurornis phoenicurus	1	NA

Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
CT_21	11/01/2022	IMG_0181.AVI	05/01/2022 09:14	05/01/2022	09:14:40	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0182.AVI	05/01/2022 09:15	05/01/2022	09:15:16	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0183.AVI	05/01/2022 09:20	05/01/2022	09:20:36	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0185.AVI	05/01/2022 11:24	05/01/2022	11:24:30	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0187.AVI	05/01/2022 15:13	05/01/2022	15:14:04	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0188.AVI	05/01/2022 15:42	05/01/2022	15:42:34	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0189.AVI	05/01/2022 17:37	05/01/2022	17:37:12	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0190.AVI	05/01/2022 17:48	05/01/2022	17:48:10	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0191.AVI	05/01/2022 17:48	05/01/2022	17:48:48	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0192.AVI	05/01/2022 18:03	05/01/2022	18:03:54	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0193.AVI	05/01/2022 18:34	05/01/2022	18:34:28	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0194.AVI	06/01/2022 13:04	06/01/2022	13:04:24	Bird	Amaurornis phoenicurus	2	NA
CT_21	11/01/2022	IMG_0195.AVI	06/01/2022 13:06	06/01/2022	13:07:08	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0196.AVI	06/01/2022 13:15	06/01/2022	13:15:54	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0197.AVI	06/01/2022 15:09	06/01/2022	15:09:52	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0198.AVI	06/01/2022 16:31	06/01/2022	16:31:12	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0199.AVI	06/01/2022 18:20	06/01/2022	18:20:38	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0200.AVI	07/01/2022 07:25	06/01/2022	07:26:04	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0201.AVI	07/01/2022 11:16	07/01/2022	11:16:12	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0202.AVI	07/01/2022 14:11	07/01/2022	14:11:40	Reptile	Varanus nebulosus	1	NA
CT_21	11/01/2022	IMG_0203.AVI	07/01/2022 14:35	07/01/2022	14:36:08	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0204.AVI	07/01/2022 15:06	07/01/2022	15:06:34	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0205.AVI	07/01/2022 17:15	07/01/2022	17:15:54	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0206.AVI	07/01/2022 17:25	07/01/2022	17:25:52	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0207.AVI	07/01/2022 17:58	07/01/2022	17:58:28	Bird	Amaurornis phoenicurus	2	NA
CT_21	11/01/2022	IMG_0208.AVI	08/01/2022 17:33	08/01/2022	17:33:52	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0209.AVI	08/01/2022 18:07	08/01/2022	18:07:18	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0211.AVI	08/01/2022 18:55	08/01/2022	18:55:20	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0212.AVI	09/01/2022 07:32	08/01/2022	07:32:34	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0213.AVI	09/01/2022 11:20	09/01/2022	11:21:00	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0214.AVI	09/01/2022 12:11	09/01/2022	12:11:24	Bird	Spilopelia chinensis	1	NA
CT_21	11/01/2022	IMG_0215.AVI	09/01/2022 14:07	09/01/2022	14:07:32	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0216.AVI	09/01/2022 16:47	09/01/2022	16:48:00	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0217.AVI	09/01/2022 16:48	09/01/2022	16:48:42	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0218.AVI	09/01/2022 18:05	09/01/2022	18:05:36	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0219.AVI	09/01/2022 18:23	09/01/2022	18:23:18	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0220.AVI	09/01/2022 18:27	09/01/2022	18:27:52	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0221.AVI	09/01/2022 18:28	09/01/2022	18:28:14	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0222.AVI	09/01/2022 18:44	09/01/2022	18:44:18	Bird	Amaurornis phoenicurus	2	NA
CT_21	11/01/2022	IMG_0223.AVI	10/01/2022 07:53	09/01/2022	07:54:00	Bird	Rallina fasciata	1	NA
CT_21	11/01/2022	IMG_0224.AVI	10/01/2022 09:58	10/01/2022	09:58:32	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0225.AVI	10/01/2022 16:38	10/01/2022	16:38:38	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0226.AVI	10/01/2022 18:28	10/01/2022	18:28:42	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0227.AVI	10/01/2022 18:28	10/01/2022	18:29:04	Bird	Amaurornis phoenicurus	2	NA
CT_21	11/01/2022	IMG_0228.AVI	10/01/2022 18:37	10/01/2022	18:37:16	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0229.AVI	10/01/2022 18:45	10/01/2022	18:46:04	Bird	Amaurornis phoenicurus	2	NA
CT_21	11/01/2022	IMG_0230.AVI	10/01/2022 18:47	10/01/2022	18:47:16	Bird	Amaurornis phoenicurus	2	NA
CT_21	11/01/2022	IMG_0231.AVI	10/01/2022 18:48	10/01/2022	18:49:00	Bird	Amaurornis phoenicurus	2	NA
CT_21	11/01/2022	IMG_0232.AVI	10/01/2022 18:55	10/01/2022	18:55:28	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0233.AVI	11/01/2022 07:26	10/01/2022	07:27:08	Bird	Amaurornis phoenicurus	2	NA
CT_21	11/01/2022	IMG_0234.AVI	11/01/2022 08:20	11/01/2022	08:20:20	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0235.AVI	11/01/2022 08:43	11/01/2022	08:43:42	Bird	Amaurornis phoenicurus	2	NA
CT_21	11/01/2022	IMG_0236.AVI	11/01/2022 08:47	11/01/2022	08:47:18	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0237.AVI	11/01/2022 08:47	11/01/2022	08:47:50	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0238.AVI	11/01/2022 09:12	11/01/2022	09:12:46	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0239.AVI	11/01/2022 09:21	11/01/2022	09:21:28	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0240.AVI	11/01/2022 09:21	11/01/2022	09:21:56	Bird	Amaurornis phoenicurus	1	NA

Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
CT_21	11/01/2022	IMG_0241.AVI	11/01/2022 10:41	11/01/2022	10:41:40	Reptile	Varanus nebulosus	1	NA
CT_21	11/01/2022	IMG_0242.AVI	11/01/2022 11:20	11/01/2022	11:20:18	Reptile	Varanus nebulosus	1	NA
CT_21	11/01/2022	IMG_0243.AVI	11/01/2022 11:49	11/01/2022	11:49:14	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0244.AVI	11/01/2022 12:12	11/01/2022	12:12:38	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0245.AVI	11/01/2022 13:59	11/01/2022	13:59:44	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0246.AVI	11/01/2022 14:34	11/01/2022	14:34:26	Bird	Amaurornis phoenicurus	2	NA
CT_21	11/01/2022	IMG_0247.AVI	11/01/2022 15:06	11/01/2022	15:07:00	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0248.AVI	11/01/2022 15:17	11/01/2022	15:17:40	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0249.AVI	11/01/2022 15:34	11/01/2022	15:34:26	Bird	Amaurornis phoenicurus	1	NA
CT_21	11/01/2022	IMG_0250.AVI	11/01/2022 15:53	11/01/2022	15:53:22	Bird	Amaurornis phoenicurus	1	NA
CT_22	06/10/2021	IMG_0005.AVI	02/10/2021 06:55	01/10/2021	06:55:34	Mammal	Callosciurus notatus	1	NA
CT_22	06/10/2021	IMG_0006.AVI	06/10/2021 06:43	05/10/2021	06:43:24	Bird	Amaurornis phoenicurus	1	NA
CT_22	12/11/2021	IMG_0005.AVI	07/10/2021 06:44	06/10/2021	06:45:06	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0006.AVI	08/10/2021 06:47	07/10/2021	06:47:38	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0008.AVI	09/10/2021 07:04	08/10/2021	07:04:26	Bird	Gallus gallus	1	NA
CT_22	12/11/2021	IMG_0009.AVI	09/10/2021 18:51	09/10/2021	18:51:48	Bird	Amaurornis phoenicurus	1	NA
CT_22	12/11/2021	IMG_0011.AVI	10/10/2021 07:10	09/10/2021	07:10:52	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0012.AVI	10/10/2021 11:32	10/10/2021	11:32:26	Bird	Garrulax leucolophus	1	NA
CT_22	12/11/2021	IMG_0013.AVI	11/10/2021 06:47	10/10/2021	06:47:36	Mammal	Tupaia glis	2	NA
CT_22	12/11/2021	IMG_0014.AVI	11/10/2021 07:32	10/10/2021	07:33:06	Bird	Gallus gallus	3	NA
CT_22	12/11/2021	IMG_0015.AVI	11/10/2021 07:33	10/10/2021	07:33:58	Bird	Gallus gallus	3	NA
CT_22	12/11/2021	IMG_0016.AVI	11/10/2021 08:02	11/10/2021	08:02:42	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0017.AVI	11/10/2021 12:35	11/10/2021	12:35:26	Bird	Garrulax leucolophus	2	NA
CT_22	12/11/2021	IMG_0018.AVI	11/10/2021 20:52	11/10/2021	20:52:46	Mammal	Rattus sp.	1	NA
CT_22	12/11/2021	IMG_0019.AVI	12/10/2021 06:52	11/10/2021	06:52:32	Bird	Amaurornis phoenicurus	1	NA
CT_22	12/11/2021	IMG_0020.AVI	12/10/2021 07:21	11/10/2021	07:21:36	Bird	Unidentified bird	1	NA
CT_22	12/11/2021	IMG_0021.AVI	12/10/2021 12:36	12/10/2021	12:36:42	Bird	Gallus gallus	2	NA
CT_22	12/11/2021	IMG_0022.AVI	13/10/2021 06:47	12/10/2021	06:47:24	Bird	Amaurornis phoenicurus	1	NA
CT_22	12/11/2021	IMG_0023.AVI	13/10/2021 07:50	12/10/2021	07:51:04	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0024.AVI	13/10/2021 17:15	13/10/2021	17:15:30	Bird	Garrulax leucolophus	2	NA
CT_22	12/11/2021	IMG_0025.AVI	13/10/2021 17:15	13/10/2021	17:16:02	Bird	Garrulax leucolophus	2	NA
CT_22	12/11/2021	IMG_0026.AVI	14/10/2021 06:44	13/10/2021	06:45:00	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0027.AVI	14/10/2021 10:25	14/10/2021	10:25:10	Mammal	Callosciurus notatus	1	NA
CT_22	12/11/2021	IMG_0028.AVI	14/10/2021 15:04	14/10/2021	15:04:26	Bird	Spilopelia chinensis	1	NA
CT_22	12/11/2021	IMG_0029.AVI	14/10/2021 18:47	14/10/2021	18:47:14	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0030.AVI	15/10/2021 11:08	15/10/2021	11:08:50	Bird	Spilopelia chinensis	1	NA
CT_22	12/11/2021	IMG_0031.AVI	15/10/2021 11:09	15/10/2021	11:09:40	Bird	Spilopelia chinensis	1	NA
CT_22	12/11/2021	IMG_0032.AVI	15/10/2021 18:45	15/10/2021	18:45:32	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0033.AVI	16/10/2021 09:04	16/10/2021	09:05:06	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0034.AVI	16/10/2021 11:48	16/10/2021	11:48:26	Bird	Spilopelia chinensis	1	NA
CT_22	12/11/2021	IMG_0035.AVI	16/10/2021 11:48	16/10/2021	11:48:46	Bird	Spilopelia chinensis	1	NA
CT_22	12/11/2021	IMG_0036.AVI	16/10/2021 12:53	16/10/2021	12:54:08	Bird	Spilopelia chinensis	1	NA
CT_22	12/11/2021	IMG_0037.AVI	16/10/2021 12:54	16/10/2021	12:54:30	Bird	Spilopelia chinensis	1	NA
CT_22	12/11/2021	IMG_0038.AVI	17/10/2021 17:03	17/10/2021	17:03:32	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0039.AVI	17/10/2021 17:23	17/10/2021	17:23:18	Bird	Garrulax leucolophus	4	NA
CT_22	12/11/2021	IMG_0040.AVI	17/10/2021 17:58	17/10/2021	17:58:50	Mammal	Unidentified squirrel or treeshrew	1	NA
CT_22	12/11/2021	IMG_0041.AVI	18/10/2021 11:11	18/10/2021	11:11:28	Bird	Unidentified bird	1	NA
CT_22	12/11/2021	IMG_0042.AVI	19/10/2021 03:27	18/10/2021	03:27:32	Mammal	Rattus sp.	1	NA
CT_22	12/11/2021	IMG_0043.AVI	19/10/2021 11:36	19/10/2021	11:36:18	Bird	Garrulax leucolophus	1	NA
CT_22	12/11/2021	IMG_0044.AVI	19/10/2021 11:36	19/10/2021	11:36:46	Bird	Garrulax leucolophus	1	NA
CT_22	12/11/2021	IMG_0045.AVI	19/10/2021 15:33	19/10/2021	15:33:52	Bird	Garrulax leucolophus	2	NA
CT_22	12/11/2021	IMG_0046.AVI	19/10/2021 15:34	19/10/2021	15:34:24	Bird	Garrulax leucolophus	2	NA
CT_22	12/11/2021	IMG_0047.AVI	19/10/2021 15:34	19/10/2021	15:34:46	Bird	Garrulax leucolophus	4	NA
CT_22	12/11/2021	IMG_0048.AVI	20/10/2021 09:19	20/10/2021	09:20:08	Bird	Garrulax leucolophus	1	NA
CT_22	12/11/2021	IMG_0049.AVI	20/10/2021 18:41	20/10/2021	18:41:38	Bird	Amaurornis phoenicurus	1	NA
CT_22	12/11/2021	IMG_0051.AVI	21/10/2021 07:41	20/10/2021	07:41:16	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0052.AVI	21/10/2021 07:50	20/10/2021	07:50:10	Mammal	Tupaia glis	1	NA

Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
CT_22	12/11/2021	IMG_0053.AVI	22/10/2021 06:38	21/10/2021	06:38:46	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0055.AVI	23/10/2021 23:27	23/10/2021	23:27:32	Mammal	Rattus sp.	1	NA
CT_22	12/11/2021	IMG_0056.AVI	24/10/2021 01:12	23/10/2021	01:12:38	Mammal	Rattus sp.	1	NA
CT_22	12/11/2021	IMG_0058.AVI	24/10/2021 06:58	23/10/2021	06:58:32	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0059.AVI	25/10/2021 06:42	24/10/2021	06:43:06	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0060.AVI	26/10/2021 06:57	25/10/2021	06:57:26	Bird	Amaurornis phoenicurus	1	NA
CT_22	12/11/2021	IMG_0061.AVI	27/10/2021 08:58	27/10/2021	08:58:32	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0062.AVI	28/10/2021 14:12	28/10/2021	14:12:16	Bird	Garrulax leucolophus	4	NA
CT_22	12/11/2021	IMG_0063.AVI	28/10/2021 14:12	28/10/2021	14:12:38	Bird	Garrulax leucolophus	4	NA
CT_22	12/11/2021	IMG_0064.AVI	28/10/2021 18:01	28/10/2021	18:01:46	Bird	Amaurornis phoenicurus	1	NA
CT_22	12/11/2021	IMG_0065.AVI	28/10/2021 18:19	28/10/2021	18:20:00	Bird	Amaurornis phoenicurus	1	NA
CT_22	12/11/2021	IMG_0066.AVI	29/10/2021 06:52	28/10/2021	06:52:24	Bird	Amaurornis phoenicurus	1	NA
CT_22	12/11/2021	IMG_0067.AVI	29/10/2021 06:55	28/10/2021	06:55:10	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0068.AVI	29/10/2021 07:02	28/10/2021	07:02:54	Bird	Amaurornis phoenicurus	1	NA
CT_22	12/11/2021	IMG_0069.AVI	29/10/2021 07:17	28/10/2021	07:17:40	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0070.AVI	30/10/2021 08:30	30/10/2021	08:30:34	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0071.AVI	30/10/2021 08:34	30/10/2021	08:34:52	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0072.AVI	30/10/2021 17:39	30/10/2021	17:39:14	Mammal	Callosciurus notatus	1	NA
CT_22	12/11/2021	IMG_0073.AVI	31/10/2021 18:03	31/10/2021	18:03:36	Bird	Garrulax leucolophus	1	NA
CT_22	12/11/2021	IMG_0074.AVI	31/10/2021 18:12	31/10/2021	18:12:16	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0075.AVI	01/11/2021 02:39	31/10/2021	02:39:38	Mammal	Paradoxurus musangus	1	NA
CT_22	12/11/2021	IMG_0076.AVI	01/11/2021 02:41	31/10/2021	02:41:52	Mammal	Paradoxurus musangus	1	NA
CT_22	12/11/2021	IMG_0077.AVI	01/11/2021 07:13	31/10/2021	07:13:36	Bird	Amaurornis phoenicurus	1	NA
CT_22	12/11/2021	IMG_0078.AVI	01/11/2021 09:24	01/11/2021	09:24:18	Bird	Gallus gallus	2	NA
CT_22	12/11/2021	IMG_0079.AVI	03/11/2021 07:59	02/11/2021	07:59:52	Bird	Gallus gallus	1	NA
CT_22	12/11/2021	IMG_0080.AVI	03/11/2021 15:17	03/11/2021	15:17:34	Bird	Garrulax leucolophus	1	NA
CT_22	12/11/2021	IMG_0081.AVI	03/11/2021 15:21	03/11/2021	15:21:30	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0082.AVI	03/11/2021 17:41	03/11/2021	17:42:02	Bird	Garrulax leucolophus	3	NA
CT_22	12/11/2021	IMG_0083.AVI	03/11/2021 17:42	03/11/2021	17:42:22	Bird	Garrulax leucolophus	2	NA
CT_22	12/11/2021	IMG_0084.AVI	03/11/2021 17:43	03/11/2021	17:43:34	Bird	Garrulax leucolophus	1	NA
CT_22	12/11/2021	IMG_0085.AVI	03/11/2021 17:45	03/11/2021	17:46:06	Bird	Garrulax leucolophus	1	NA
CT_22	12/11/2021	IMG_0086.AVI	03/11/2021 17:48	03/11/2021	17:48:32	Bird	Gallus gallus	1	NA
CT_22	12/11/2021	IMG_0087.AVI	03/11/2021 17:48	03/11/2021	17:48:58	Bird	Gallus gallus	2	NA
CT_22	12/11/2021	IMG_0088.AVI	03/11/2021 17:49	03/11/2021	17:49:28	Bird	Gallus gallus	2	NA
CT_22	12/11/2021	IMG_0089.AVI	03/11/2021 17:54	03/11/2021	17:55:08	Bird	Gallus gallus	1	NA
CT_22	12/11/2021	IMG_0090.AVI	03/11/2021 17:55	03/11/2021	17:55:32	Bird	Gallus gallus	1	NA
CT_22	12/11/2021	IMG_0091.AVI	03/11/2021 18:02	03/11/2021	18:02:16	Mammal	Unidentified squirrel or treeshrew	1	NA
CT_22	12/11/2021	IMG_0092.AVI	04/11/2021 12:51	04/11/2021	12:51:52	Reptile	Varanus nebulosus	1	NA
CT_22	12/11/2021	IMG_0093.AVI	05/11/2021 02:00	04/11/2021	02:00:42	Mammal	Rattus sp.	1	NA
CT_22	12/11/2021	IMG_0094.AVI	05/11/2021 06:50	04/11/2021	06:50:42	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0095.AVI	05/11/2021 06:52	04/11/2021	06:53:00	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0096.AVI	05/11/2021 18:36	05/11/2021	18:37:06	Bird	Amaurornis phoenicurus	1	NA
CT_22	12/11/2021	IMG_0097.AVI	06/11/2021 06:54	05/11/2021	06:54:28	Bird	Amaurornis phoenicurus	1	NA
CT_22	12/11/2021	IMG_0098.AVI	06/11/2021 07:08	05/11/2021	07:08:54	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0099.AVI	06/11/2021 07:10	05/11/2021	07:10:12	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0100.AVI	06/11/2021 09:03	06/11/2021	09:03:42	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0101.AVI	06/11/2021 12:39	06/11/2021	12:39:10	Bird	Gallus gallus	2	NA
CT_22	12/11/2021	IMG_0102.AVI	06/11/2021 16:42	06/11/2021	16:42:10	Bird	Garrulax leucolophus	1	NA
CT_22	12/11/2021	IMG_0103.AVI	06/11/2021 16:48	06/11/2021	16:48:40	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0104.AVI	07/11/2021 17:43	07/11/2021	17:43:52	Bird	Amaurornis phoenicurus	1	NA
CT_22	12/11/2021	IMG_0105.AVI	07/11/2021 18:38	07/11/2021	18:39:02	Bird	Amaurornis phoenicurus	2	NA
CT_22	12/11/2021	IMG_0106.AVI	08/11/2021 17:37	08/11/2021	17:37:12	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0107.AVI	08/11/2021 17:37	08/11/2021	17:37:56	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0108.AVI	08/11/2021 18:42	08/11/2021	18:43:00	Bird	Amaurornis phoenicurus	2	NA
CT_22	12/11/2021	IMG_0109.AVI	09/11/2021 07:26	08/11/2021	07:27:04	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0110.AVI	09/11/2021 09:12	09/11/2021	09:12:54	Bird	Garrulax leucolophus	3	NA
CT_22	12/11/2021	IMG_0112.AVI	09/11/2021 09:21	09/11/2021	09:21:42	Bird	Garrulax leucolophus	3	NA

Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
CT_22	12/11/2021	IMG_0113.AVI	09/11/2021 09:22	09/11/2021	09:22:10	Bird	Garrulax leucolophus	3	NA
CT_22	12/11/2021	IMG_0114.AVI	09/11/2021 09:22	09/11/2021	09:22:30	Bird	Garrulax leucolophus	3	NA
CT_22	12/11/2021	IMG_0115.AVI	09/11/2021 09:57	09/11/2021	09:57:52	Bird	Garrulax leucolophus	2	NA
CT_22	12/11/2021	IMG_0116.AVI	09/11/2021 17:10	09/11/2021	17:11:00	Mammal	Tupaia glis	1	NA
CT_22	12/11/2021	IMG_0117.AVI	10/11/2021 13:46	10/11/2021	13:46:40	Bird	Garrulax leucolophus	3	NA
CT_22	12/11/2021	IMG_0118.AVI	10/11/2021 13:46	10/11/2021	13:47:02	Bird	Garrulax leucolophus	2	NA
CT_22	12/11/2021	IMG_0119.AVI	11/11/2021 18:21	11/11/2021	18:21:48	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0011.AVI	02/12/2021 16:58	02/12/2021	16:58:22	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0012.AVI	02/12/2021 18:43	02/12/2021	18:43:30	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0013.AVI	03/12/2021 06:46	02/12/2021	06:47:02	Bird	Pitta moluccensis	1	NA
CT_22	11/01/2022	IMG_0014.AVI	03/12/2021 07:04	02/12/2021	07:04:26	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0015.AVI	03/12/2021 11:04	03/12/2021	11:05:02	Bird	Pitta moluccensis	1	NA
CT_22	11/01/2022	IMG_0017.AVI	04/12/2021 06:42	03/12/2021	06:42:16	Bird	Pitta moluccensis	1	NA
CT_22	11/01/2022	IMG_0018.AVI	04/12/2021 13:13	04/12/2021	13:13:52	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0019.AVI	04/12/2021 13:26	04/12/2021	13:26:46	Bird	Garrulax leucolophus	3	NA
CT_22	11/01/2022	IMG_0020.AVI	05/12/2021 05:04	04/12/2021	05:04:18	Mammal	Rattus sp.	1	NA
CT_22	11/01/2022	IMG_0021.AVI	05/12/2021 05:04	04/12/2021	05:04:46	Mammal	Rattus sp.	1	NA
CT_22	11/01/2022	IMG_0022.AVI	08/12/2021 04:25	07/12/2021	04:25:52	Mammal	Rattus sp.	1	NA
CT_22	11/01/2022	IMG_0023.AVI	08/12/2021 17:00	08/12/2021	17:00:36	Bird	Gallus gallus	1	NA
CT_22	11/01/2022	IMG_0024.AVI	08/12/2021 17:01	08/12/2021	17:01:52	Bird	Gallus gallus	1	NA
CT_22	11/01/2022	IMG_0026.AVI	09/12/2021 10:26	09/12/2021	10:27:04	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0027.AVI	09/12/2021 10:28	09/12/2021	10:28:20	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0028.AVI	09/12/2021 12:27	09/12/2021	12:27:24	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0029.AVI	09/12/2021 18:54	09/12/2021	18:54:38	Bird	Amaurornis phoenicurus	2	NA
CT_22	11/01/2022	IMG_0030.AVI	10/12/2021 04:00	09/12/2021	04:00:28	Mammal	Paradoxurus musangus	1	NA
CT_22	11/01/2022	IMG_0032.AVI	10/12/2021 07:05	09/12/2021	07:05:58	Bird	Amaurornis phoenicurus	1	NA
CT_22	11/01/2022	IMG_0033.AVI	10/12/2021 10:16	10/12/2021	10:17:04	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0034.AVI	10/12/2021 10:17	10/12/2021	10:17:28	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0035.AVI	10/12/2021 10:21	10/12/2021	10:21:22	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0036.AVI	10/12/2021 12:06	10/12/2021	12:06:10	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0037.AVI	10/12/2021 12:08	10/12/2021	12:08:24	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0038.AVI	10/12/2021 15:52	10/12/2021	15:52:48	Bird	Gallus gallus	1	NA
CT_22	11/01/2022	IMG_0039.AVI	11/12/2021 05:18	10/12/2021	05:18:20	Mammal	Rattus sp.	1	NA
CT_22	11/01/2022	IMG_0040.AVI	11/12/2021 07:11	10/12/2021	07:11:44	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0041.AVI	11/12/2021 07:30	10/12/2021	07:30:28	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0042.AVI	11/12/2021 08:22	11/12/2021	08:22:18	Bird	Gallus gallus	1	NA
CT_22	11/01/2022	IMG_0043.AVI	11/12/2021 12:20	11/12/2021	12:21:04	Reptile	Varanus nebulosus	1	NA
CT_22	11/01/2022	IMG_0044.AVI	11/12/2021 14:50	11/12/2021	14:51:06	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0045.AVI	11/12/2021 14:51	11/12/2021	14:51:58	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0046.AVI	11/12/2021 14:52	11/12/2021	14:52:22	Bird	Garrulax leucolophus	3	NA
CT_22	11/01/2022	IMG_0047.AVI	11/12/2021 14:52	11/12/2021	14:52:46	Bird	Garrulax leucolophus	3	NA
CT_22	11/01/2022	IMG_0048.AVI	11/12/2021 14:53	11/12/2021	14:53:20	Bird	Garrulax leucolophus	4	NA
CT_22	11/01/2022	IMG_0049.AVI	11/12/2021 14:53	11/12/2021	14:53:48	Bird	Garrulax leucolophus	4	NA
CT_22	11/01/2022	IMG_0050.AVI	11/12/2021 14:54	11/12/2021	14:54:12	Bird	Garrulax leucolophus	4	NA
CT_22	11/01/2022	IMG_0051.AVI	11/12/2021 14:54	11/12/2021	14:54:48	Bird	Garrulax leucolophus	4	NA
CT_22	11/01/2022	IMG_0052.AVI	11/12/2021 14:55	11/12/2021	14:55:26	Bird	Garrulax leucolophus	4	NA
CT_22	11/01/2022	IMG_0053.AVI	11/12/2021 14:56	11/12/2021	14:56:14	Bird	Garrulax leucolophus	4	NA
CT_22	11/01/2022	IMG_0054.AVI	11/12/2021 14:57	11/12/2021	14:57:12	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0055.AVI	11/12/2021 14:57	11/12/2021	14:57:34	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0056.AVI	11/12/2021 14:57	11/12/2021	14:58:08	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0057.AVI	11/12/2021 14:58	11/12/2021	14:58:32	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0058.AVI	11/12/2021 15:11	11/12/2021	15:11:40	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0059.AVI	11/12/2021 15:12	11/12/2021	15:12:24	Bird	Garrulax leucolophus	3	NA
CT_22	11/01/2022	IMG_0060.AVI	11/12/2021 15:12	11/12/2021	15:12:48	Bird	Garrulax leucolophus	3	NA
CT_22	11/01/2022	IMG_0061.AVI	11/12/2021 15:13	11/12/2021	15:13:18	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0062.AVI	11/12/2021 15:13	11/12/2021	15:13:38	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0063.AVI	12/12/2021 01:14	11/12/2021	01:14:58	Mammal	Rattus sp.	1	NA

Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
CT_22	11/01/2022	IMG_0064.AVI	12/12/2021 01:15	11/12/2021	01:15:26	Mammal	Rattus sp.	1	NA
CT_22	11/01/2022	IMG_0065.AVI	12/12/2021 04:31	11/12/2021	04:31:12	Mammal	Rattus sp.	1	NA
CT_22	11/01/2022	IMG_0066.AVI	12/12/2021 07:18	11/12/2021	07:18:24	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0067.AVI	12/12/2021 07:30	11/12/2021	07:30:18	Bird	Gallus gallus	1	NA
CT_22	11/01/2022	IMG_0068.AVI	12/12/2021 09:40	12/12/2021	09:40:20	Bird	Amaurornis phoenicurus	1	NA
CT_22	11/01/2022	IMG_0069.AVI	12/12/2021 14:07	12/12/2021	14:07:10	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0070.AVI	13/12/2021 06:52	12/12/2021	06:52:52	Bird	Amaurornis phoenicurus	1	NA
CT_22	11/01/2022	IMG_0071.AVI	13/12/2021 11:22	13/12/2021	11:22:30	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0072.AVI	13/12/2021 11:22	13/12/2021	11:22:54	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0073.AVI	13/12/2021 11:23	13/12/2021	11:23:34	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0074.AVI	13/12/2021 11:24	13/12/2021	11:24:42	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0075.AVI	13/12/2021 11:33	13/12/2021	11:33:10	Bird	Picus vittatus	1	NA
CT_22	11/01/2022	IMG_0076.AVI	13/12/2021 18:55	13/12/2021	18:55:54	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0078.AVI	14/12/2021 07:06	13/12/2021	07:06:36	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0079.AVI	14/12/2021 18:04	14/12/2021	18:04:50	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0080.AVI	15/12/2021 06:50	14/12/2021	06:50:46	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0081.AVI	15/12/2021 14:41	15/12/2021	14:41:58	Bird	Garrulax leucolophus	3	NA
CT_22	11/01/2022	IMG_0082.AVI	15/12/2021 14:42	15/12/2021	14:42:46	Bird	Garrulax leucolophus	4	NA
CT_22	11/01/2022	IMG_0083.AVI	15/12/2021 14:43	15/12/2021	14:43:16	Bird	Garrulax leucolophus	4	NA
CT_22	11/01/2022	IMG_0084.AVI	15/12/2021 14:44	15/12/2021	14:44:30	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0085.AVI	15/12/2021 14:44	15/12/2021	14:44:56	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0086.AVI	15/12/2021 14:45	15/12/2021	14:45:18	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0087.AVI	15/12/2021 14:45	15/12/2021	14:46:06	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0088.AVI	15/12/2021 14:55	15/12/2021	14:55:10	Bird	Garrulax leucolophus	3	NA
CT_22	11/01/2022	IMG_0088.AVI	15/12/2021 14:55	15/12/2021	14:55:10	Bird	Gallus gallus	1	NA
CT_22	11/01/2022	IMG_0089.AVI	15/12/2021 14:55	15/12/2021	14:55:34	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0089.AVI	15/12/2021 14:55	15/12/2021	14:55:34	Bird	Gallus gallus	1	NA
CT_22	11/01/2022	IMG_0090.AVI	15/12/2021 17:31	15/12/2021	17:31:26	Bird	Gallus gallus	1	NA
CT_22	11/01/2022	IMG_0091.AVI	16/12/2021 11:00	16/12/2021	11:01:06	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0092.AVI	16/12/2021 16:20	16/12/2021	16:20:20	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0093.AVI	16/12/2021 16:22	16/12/2021	16:22:26	Reptile	Varanus nebulosus	1	NA
CT_22	11/01/2022	IMG_0094.AVI	16/12/2021 16:26	16/12/2021	16:26:54	Reptile	Varanus nebulosus	1	NA
CT_22	11/01/2022	IMG_0095.AVI	16/12/2021 17:06	16/12/2021	17:07:00	Bird	Amaurornis phoenicurus	1	NA
CT_22	11/01/2022	IMG_0096.AVI	16/12/2021 17:18	16/12/2021	17:19:02	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0097.AVI	16/12/2021 17:19	16/12/2021	17:19:32	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0098.AVI	17/12/2021 18:58	17/12/2021	18:59:04	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0099.AVI	18/12/2021 07:20	17/12/2021	07:20:36	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0100.AVI	18/12/2021 10:28	18/12/2021	10:28:20	Bird	Garrulax leucolophus	4	NA
CT_22	11/01/2022	IMG_0102.AVI	18/12/2021 10:49	18/12/2021	10:49:24	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0103.AVI	18/12/2021 15:31	18/12/2021	15:31:22	Bird	Gallus gallus	1	NA
CT_22	11/01/2022	IMG_0104.AVI	18/12/2021 17:53	18/12/2021	17:53:22	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0105.AVI	18/12/2021 18:22	18/12/2021	18:23:00	Bird	Amaurornis phoenicurus	1	NA
CT_22	11/01/2022	IMG_0106.AVI	18/12/2021 18:29	18/12/2021	18:29:50	Bird	Amaurornis phoenicurus	1	NA
CT_22	11/01/2022	IMG_0107.AVI	18/12/2021 18:44	18/12/2021	18:44:16	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0108.AVI	18/12/2021 18:47	18/12/2021	18:48:02	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0109.AVI	18/12/2021 18:48	18/12/2021	18:48:30	Bird	Amaurornis phoenicurus	1	NA
CT_22	11/01/2022	IMG_0110.AVI	19/12/2021 11:27	19/12/2021	11:27:46	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0111.AVI	19/12/2021 12:10	19/12/2021	12:10:56	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0112.AVI	19/12/2021 12:11	19/12/2021	12:11:24	Bird	Garrulax leucolophus	3	NA
CT_22	11/01/2022	IMG_0113.AVI	19/12/2021 12:11	19/12/2021	12:11:52	Bird	Garrulax leucolophus	3	NA
CT_22	11/01/2022	IMG_0114.AVI	19/12/2021 13:57	19/12/2021	13:57:32	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0115.AVI	19/12/2021 13:58	19/12/2021	13:58:28	Bird	Garrulax leucolophus	3	NA
CT_22	11/01/2022	IMG_0116.AVI	19/12/2021 20:48	19/12/2021	20:49:00	Mammal	Rattus sp.	1	NA
CT_22	11/01/2022	IMG_0117.AVI	19/12/2021 20:49	19/12/2021	20:49:48	Mammal	Rattus sp.	1	NA
CT_22	11/01/2022	IMG_0118.AVI	20/12/2021 07:35	19/12/2021	07:35:30	Bird	Picus vittatus	1	NA
CT_22	11/01/2022	IMG_0119.AVI	20/12/2021 11:59	20/12/2021	12:00:00	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0120.AVI	20/12/2021 12:03	20/12/2021	12:03:46	Bird	Garrulax leucolophus	1	NA

Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
CT_22	11/01/2022	IMG_0121.AVI	20/12/2021 17:43	20/12/2021	17:43:24	Mammal	Callosciurus notatus	1	NA
CT_22	11/01/2022	IMG_0122.AVI	20/12/2021 18:42	20/12/2021	18:42:50	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0124.AVI	21/12/2021 06:45	20/12/2021	06:45:38	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0125.AVI	21/12/2021 12:49	21/12/2021	12:49:18	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0126.AVI	21/12/2021 12:49	21/12/2021	12:49:42	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0127.AVI	21/12/2021 14:30	21/12/2021	14:30:12	Bird	Amaurornis phoenicurus	1	NA
CT_22	11/01/2022	IMG_0128.AVI	21/12/2021 14:55	21/12/2021	14:56:02	Bird	Amaurornis phoenicurus	1	NA
CT_22	11/01/2022	IMG_0129.AVI	21/12/2021 17:27	21/12/2021	17:27:40	Bird	Gallus gallus	1	NA
CT_22	11/01/2022	IMG_0130.AVI	21/12/2021 17:27	21/12/2021	17:28:08	Bird	Gallus gallus	1	NA
CT_22	11/01/2022	IMG_0131.AVI	21/12/2021 18:43	21/12/2021	18:43:10	Bird	Amaurornis phoenicurus	1	NA
CT_22	11/01/2022	IMG_0132.AVI	22/12/2021 08:41	22/12/2021	08:41:34	Bird	Amaurornis phoenicurus	1	NA
CT_22	11/01/2022	IMG_0133.AVI	22/12/2021 10:08	22/12/2021	10:08:40	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0134.AVI	22/12/2021 17:02	22/12/2021	17:02:40	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0135.AVI	22/12/2021 17:04	22/12/2021	17:04:44	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0136.AVI	22/12/2021 17:05	22/12/2021	17:05:16	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0137.AVI	22/12/2021 17:15	22/12/2021	17:15:50	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0138.AVI	22/12/2021 17:16	22/12/2021	17:16:20	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0139.AVI	22/12/2021 17:22	22/12/2021	17:22:42	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0140.AVI	22/12/2021 17:24	22/12/2021	17:24:44	Bird	Garrulax leucolophus	3	NA
CT_22	11/01/2022	IMG_0141.AVI	23/12/2021 12:15	23/12/2021	12:16:02	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0142.AVI	23/12/2021 15:33	23/12/2021	15:33:40	Mammal	Callosciurus notatus	1	NA
CT_22	11/01/2022	IMG_0143.AVI	23/12/2021 15:34	23/12/2021	15:34:18	Mammal	Callosciurus notatus	1	NA
CT_22	11/01/2022	IMG_0144.AVI	23/12/2021 15:35	23/12/2021	15:35:50	Mammal	Callosciurus notatus	1	NA
CT_22	11/01/2022	IMG_0145.AVI	23/12/2021 15:36	23/12/2021	15:36:44	Mammal	Callosciurus notatus	1	NA
CT_22	11/01/2022	IMG_0146.AVI	23/12/2021 15:37	23/12/2021	15:37:56	Mammal	Callosciurus notatus	1	NA
CT_22	11/01/2022	IMG_0147.AVI	23/12/2021 15:38	23/12/2021	15:38:18	Mammal	Callosciurus notatus	1	NA
CT_22	11/01/2022	IMG_0148.AVI	23/12/2021 15:38	23/12/2021	15:39:04	Mammal	Callosciurus notatus	1	NA
CT_22	11/01/2022	IMG_0150.AVI	24/12/2021 07:11	23/12/2021	07:12:06	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0151.AVI	24/12/2021 10:46	24/12/2021	10:46:24	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0152.AVI	24/12/2021 10:48	24/12/2021	10:49:08	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0153.AVI	24/12/2021 12:34	24/12/2021	12:34:28	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0154.AVI	24/12/2021 12:42	24/12/2021	12:42:46	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0155.AVI	25/12/2021 07:20	24/12/2021	07:20:34	Mammal	Unidentified squirrel or treeshrew	1	NA
CT_22	11/01/2022	IMG_0156.AVI	25/12/2021 08:48	25/12/2021	08:49:06	Mammal	Callosciurus notatus	1	NA
CT_22	11/01/2022	IMG_0157.AVI	25/12/2021 12:42	25/12/2021	12:42:30	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0158.AVI	26/12/2021 07:59	25/12/2021	07:59:58	Bird	Amaurornis phoenicurus	1	NA
CT_22	11/01/2022	IMG_0159.AVI	26/12/2021 09:08	26/12/2021	09:08:18	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0160.AVI	26/12/2021 09:31	26/12/2021	09:31:20	Bird	Gallus gallus	1	NA
CT_22	11/01/2022	IMG_0161.AVI	26/12/2021 12:57	26/12/2021	12:57:26	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0162.AVI	26/12/2021 12:58	26/12/2021	12:58:32	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0163.AVI	26/12/2021 18:33	26/12/2021	18:33:18	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0164.AVI	27/12/2021 07:20	26/12/2021	07:21:04	Mammal	Callosciurus notatus	1	NA
CT_22	11/01/2022	IMG_0165.AVI	27/12/2021 09:16	27/12/2021	09:16:56	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0166.AVI	27/12/2021 09:18	27/12/2021	09:18:36	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0168.AVI	28/12/2021 07:17	27/12/2021	07:17:32	Bird	Amaurornis phoenicurus	1	NA
CT_22	11/01/2022	IMG_0169.AVI	28/12/2021 07:21	27/12/2021	07:21:10	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0170.AVI	28/12/2021 09:12	28/12/2021	09:12:28	Bird	Amaurornis phoenicurus	1	NA
CT_22	11/01/2022	IMG_0171.AVI	28/12/2021 13:47	28/12/2021	13:47:36	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0172.AVI	28/12/2021 13:49	28/12/2021	13:49:14	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0173.AVI	28/12/2021 13:49	28/12/2021	13:49:42	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0174.AVI	28/12/2021 13:50	28/12/2021	13:50:58	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0175.AVI	28/12/2021 16:57	28/12/2021	16:57:14	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0176.AVI	28/12/2021 16:59	28/12/2021	16:59:40	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0177.AVI	28/12/2021 19:20	28/12/2021	19:20:28	Mammal	Callosciurus notatus	1	NA
CT_22	11/01/2022	IMG_0178.AVI	28/12/2021 19:20	28/12/2021	19:20:54	Mammal	Callosciurus notatus	1	NA
CT_22	11/01/2022	IMG_0180.AVI	28/12/2021 19:22	28/12/2021	19:22:50	Mammal	Callosciurus notatus	1	NA
CT_22	11/01/2022	IMG_0181.AVI	28/12/2021 19:23	28/12/2021	19:23:14	Mammal	Callosciurus notatus	1	NA

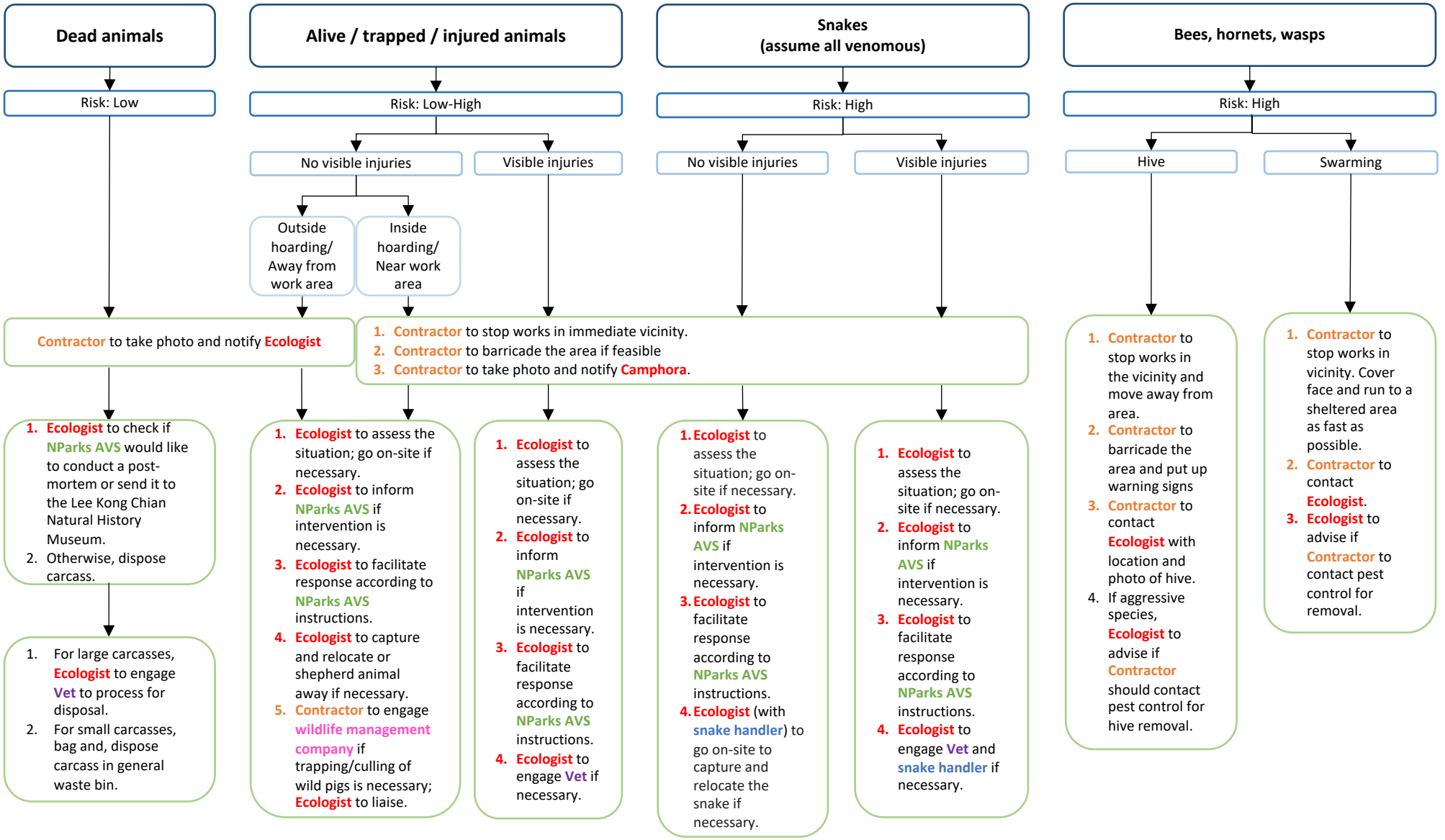
Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
CT_22	11/01/2022	IMG_0182.AVI	28/12/2021 22:13	28/12/2021	22:13:14	Mammal	Rattus sp.	1	NA
CT_22	11/01/2022	IMG_0183.AVI	28/12/2021 22:13	28/12/2021	22:13:38	Mammal	Rattus sp.	1	NA
CT_22	11/01/2022	IMG_0184.AVI	29/12/2021 14:09	29/12/2021	14:10:06	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0186.AVI	29/12/2021 18:30	29/12/2021	18:30:54	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0187.AVI	30/12/2021 07:23	29/12/2021	07:23:12	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0188.AVI	30/12/2021 07:46	29/12/2021	07:46:10	Bird	Amaurornis phoenicurus	1	NA
CT_22	11/01/2022	IMG_0189.AVI	30/12/2021 09:11	30/12/2021	09:11:48	Bird	Gallus gallus	1	NA
CT_22	11/01/2022	IMG_0190.AVI	30/12/2021 11:32	30/12/2021	11:32:12	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0192.AVI	30/12/2021 22:26	30/12/2021	22:26:28	Mammal	Rattus sp.	1	NA
CT_22	11/01/2022	IMG_0193.AVI	31/12/2021 07:04	30/12/2021	07:05:02	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0194.AVI	31/12/2021 17:32	31/12/2021	17:32:28	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0195.AVI	31/12/2021 18:50	31/12/2021	18:50:44	Bird	Amaurornis phoenicurus	1	NA
CT_22	11/01/2022	IMG_0198.AVI	01/01/2022 10:07	01/01/2022	10:07:36	Bird	Amaurornis phoenicurus	1	NA
CT_22	11/01/2022	IMG_0199.AVI	01/01/2022 11:25	01/01/2022	11:25:16	Bird	Picus vittatus	1	NA
CT_22	11/01/2022	IMG_0200.AVI	01/01/2022 11:51	01/01/2022	11:51:20	Bird	Garrulax leucolophus	4	NA
CT_22	11/01/2022	IMG_0201.AVI	01/01/2022 13:10	01/01/2022	13:10:50	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0202.AVI	01/01/2022 13:12	01/01/2022	13:12:44	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0203.AVI	01/01/2022 13:46	01/01/2022	13:46:30	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0204.AVI	01/01/2022 13:46	01/01/2022	13:46:56	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0205.AVI	01/01/2022 13:48	01/01/2022	13:48:24	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0205.AVI	01/01/2022 13:48	01/01/2022	13:48:24	Mammal	Unidentified squirrel or treeshrew	1	NA
CT_22	11/01/2022	IMG_0206.AVI	01/01/2022 13:50	01/01/2022	13:50:24	Mammal	Unidentified squirrel or treeshrew	1	NA
CT_22	11/01/2022	IMG_0207.AVI	01/01/2022 14:01	01/01/2022	14:01:50	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0208.AVI	02/01/2022 07:30	01/01/2022	07:31:00	Bird	Amaurornis phoenicurus	1	NA
CT_22	11/01/2022	IMG_0209.AVI	02/01/2022 14:58	02/01/2022	14:58:18	Bird	Amaurornis phoenicurus	1	NA
CT_22	11/01/2022	IMG_0210.AVI	02/01/2022 16:10	02/01/2022	16:10:32	Bird	Amaurornis phoenicurus	1	NA
CT_22	11/01/2022	IMG_0211.AVI	02/01/2022 17:48	02/01/2022	17:48:46	Bird	Amaurornis phoenicurus	1	NA
CT_22	11/01/2022	IMG_0212.AVI	02/01/2022 20:36	02/01/2022	20:36:10	Mammal	Rattus sp.	1	NA
CT_22	11/01/2022	IMG_0213.AVI	03/01/2022 07:07	02/01/2022	07:07:50	Bird	Rallina fasciata	1	NA
CT_22	11/01/2022	IMG_0214.AVI	03/01/2022 07:08	02/01/2022	07:08:34	Bird	Rallina fasciata	1	NA
CT_22	11/01/2022	IMG_0215.AVI	03/01/2022 07:26	02/01/2022	07:26:28	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0216.AVI	03/01/2022 11:28	03/01/2022	11:28:30	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0217.AVI	03/01/2022 11:28	03/01/2022	11:28:52	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0218.AVI	03/01/2022 11:29	03/01/2022	11:29:40	Bird	Garrulax leucolophus	2	NA
CT_22	11/01/2022	IMG_0219.AVI	03/01/2022 11:30	03/01/2022	11:30:16	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0221.AVI	03/01/2022 11:31	03/01/2022	11:31:34	Bird	Garrulax leucolophus	3	NA
CT_22	11/01/2022	IMG_0222.AVI	03/01/2022 11:31	03/01/2022	11:31:58	Bird	Garrulax leucolophus	3	NA
CT_22	11/01/2022	IMG_0223.AVI	03/01/2022 11:32	03/01/2022	11:32:54	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0224.AVI	03/01/2022 12:21	03/01/2022	12:21:10	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0225.AVI	03/01/2022 12:21	03/01/2022	12:21:30	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0226.AVI	03/01/2022 12:23	03/01/2022	12:23:58	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0227.AVI	03/01/2022 14:07	03/01/2022	14:07:14	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0228.AVI	03/01/2022 14:07	03/01/2022	14:07:40	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0229.AVI	04/01/2022 07:53	03/01/2022	07:54:04	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0230.AVI	04/01/2022 09:20	04/01/2022	09:21:06	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0231.AVI	04/01/2022 10:09	04/01/2022	10:09:44	Bird	Amaurornis phoenicurus	1	NA
CT_22	11/01/2022	IMG_0232.AVI	04/01/2022 12:03	04/01/2022	12:03:16	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0233.AVI	04/01/2022 14:09	04/01/2022	14:10:00	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0234.AVI	04/01/2022 21:34	04/01/2022	21:34:18	Mammal	Rattus sp.	1	NA
CT_22	11/01/2022	IMG_0235.AVI	05/01/2022 08:17	05/01/2022	08:17:14	Bird	Amaurornis phoenicurus	1	NA
CT_22	11/01/2022	IMG_0236.AVI	05/01/2022 12:44	05/01/2022	12:44:26	Reptile	Varanus nebulosus	1	NA
CT_22	11/01/2022	IMG_0237.AVI	05/01/2022 13:38	05/01/2022	13:39:04	Mammal	Callosciurus notatus	1	NA
CT_22	11/01/2022	IMG_0238.AVI	05/01/2022 14:35	05/01/2022	14:35:12	Reptile	Varanus nebulosus	1	NA
CT_22	11/01/2022	IMG_0239.AVI	05/01/2022 14:35	05/01/2022	14:35:42	Reptile	Varanus nebulosus	1	NA
CT_22	11/01/2022	IMG_0240.AVI	05/01/2022 14:46	05/01/2022	14:47:06	Bird	Amaurornis phoenicurus	1	NA
CT_22	11/01/2022	IMG_0241.AVI	05/01/2022 18:40	05/01/2022	18:40:16	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0242.AVI	06/01/2022 07:03	05/01/2022	07:03:14	Bird	Amaurornis phoenicurus	1	NA

Station	SamplingDate	FileName	FileModifyDate	Date	Time	Taxon	Scientific name	Quantity	Remarks
CT_22	11/01/2022	IMG_0243.AVI	06/01/2022 11:00	06/01/2022	11:00:28	Bird	Amaurornis phoenicurus	1	NA
CT_22	11/01/2022	IMG_0244.AVI	06/01/2022 12:05	06/01/2022	12:06:00	Bird	Spilopelia chinensis	1	NA
CT_22	11/01/2022	IMG_0245.AVI	06/01/2022 17:11	06/01/2022	17:12:08	Mammal	Callosciurus notatus	1	NA
CT_22	11/01/2022	IMG_0246.AVI	06/01/2022 17:12	06/01/2022	17:12:32	Mammal	Callosciurus notatus	1	NA
CT_22	11/01/2022	IMG_0247.AVI	06/01/2022 17:13	06/01/2022	17:13:28	Mammal	Callosciurus notatus	1	NA
CT_22	11/01/2022	IMG_0248.AVI	06/01/2022 18:42	06/01/2022	18:42:46	Mammal	Callosciurus notatus	1	NA
CT_22	11/01/2022	IMG_0249.AVI	06/01/2022 18:43	06/01/2022	18:44:00	Mammal	Callosciurus notatus	1	NA
CT_22	11/01/2022	IMG_0250.AVI	06/01/2022 18:44	06/01/2022	18:44:36	Mammal	Callosciurus notatus	1	NA
CT_22	11/01/2022	IMG_0251.AVI	06/01/2022 18:45	06/01/2022	18:45:26	Mammal	Callosciurus notatus	1	NA
CT_22	11/01/2022	IMG_0252.AVI	06/01/2022 18:46	06/01/2022	18:47:00	Mammal	Callosciurus notatus	1	NA
CT_22	11/01/2022	IMG_0253.AVI	07/01/2022 09:37	07/01/2022	09:37:38	Bird	Amaurornis phoenicurus	1	NA
CT_22	11/01/2022	IMG_0254.AVI	07/01/2022 11:14	07/01/2022	11:14:20	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0255.AVI	07/01/2022 13:08	07/01/2022	13:08:44	Bird	Garrulax leucolophus	3	NA
CT_22	11/01/2022	IMG_0256.AVI	07/01/2022 17:11	07/01/2022	17:11:18	Bird	Amaurornis phoenicurus	1	NA
CT_22	11/01/2022	IMG_0257.AVI	08/01/2022 00:25	07/01/2022	00:25:56	Mammal	Rattus sp.	1	NA
CT_22	11/01/2022	IMG_0258.AVI	08/01/2022 07:29	07/01/2022	07:29:36	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0259.AVI	08/01/2022 10:15	08/01/2022	10:15:32	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0261.AVI	08/01/2022 17:56	08/01/2022	17:56:44	Mammal	Callosciurus notatus	1	NA
CT_22	11/01/2022	IMG_0262.AVI	08/01/2022 17:59	08/01/2022	17:59:36	Bird	Rallina fasciata	1	NA
CT_22	11/01/2022	IMG_0263.AVI	08/01/2022 18:33	08/01/2022	18:33:48	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0264.AVI	08/01/2022 19:05	08/01/2022	19:06:00	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0265.AVI	08/01/2022 19:14	08/01/2022	19:14:58	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0266.AVI	08/01/2022 22:44	08/01/2022	22:44:30	Mammal	Rattus sp.	1	NA
CT_22	11/01/2022	IMG_0267.AVI	09/01/2022 08:27	09/01/2022	08:27:26	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0268.AVI	09/01/2022 08:54	09/01/2022	08:54:32	Mammal	Callosciurus notatus	1	NA
CT_22	11/01/2022	IMG_0269.AVI	09/01/2022 12:13	09/01/2022	12:13:22	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0271.AVI	09/01/2022 13:11	09/01/2022	13:11:32	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0273.AVI	09/01/2022 13:56	09/01/2022	13:56:50	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0273.AVI	09/01/2022 13:56	09/01/2022	13:56:50	Bird	Amaurornis phoenicurus	1	NA
CT_22	11/01/2022	IMG_0274.AVI	10/01/2022 07:14	09/01/2022	07:14:18	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0275.AVI	10/01/2022 09:44	10/01/2022	09:45:04	Bird	Amaurornis phoenicurus	2	NA
CT_22	11/01/2022	IMG_0277.AVI	10/01/2022 12:37	10/01/2022	12:37:42	Mammal	Callosciurus notatus	1	NA
CT_22	11/01/2022	IMG_0278.AVI	10/01/2022 13:27	10/01/2022	13:27:30	Mammal	Tupaia glis	1	NA
CT_22	11/01/2022	IMG_0279.AVI	10/01/2022 16:38	10/01/2022	16:38:44	Bird	Garrulax leucolophus	1	NA
CT_22	11/01/2022	IMG_0280.AVI	10/01/2022 16:39	10/01/2022	16:39:24	Bird	Garrulax leucolophus	2	NA

Station	Latitude	Longitude	Deployment date	End Date	No. of trap nights
CT_20	1.334356992	103.781876	01/10/2021	11/01/2022	82
CT_21	1.330409031	103.782107	01/10/2021	11/01/2022	82
CT_22	1.32784903	103.784057	01/10/2021	11/01/2022	82

Appendix K

Fauna Response and Rescue Plan


Dead animals
Risk: Low
Contractor to take photo and notify Ecologist
1. Ecologist to check if NParks AVS would like to conduct a post-mortem or send it to the Lee Kong Chian Natural History Museum.
2. Otherwise, dispose carcass.
1. For large carcasses, Ecologist to engage Vet to process for disposal.
2. For small carcasses, bag and, dispose carcass in general waste bin.
Alive / trapped / injured animals
Risk: Low-High
No visible injuries
Visible injuries
Outside hoarding/ Away from work area
Inside hoarding/ Near work area
1. Contractor to stop works in immediate vicinity.
2. Contractor to barricade the area if feasible
3. Contractor to take photo and notify Camphora.
1. Ecologist to assess the situation; go on-site if necessary.
2. Ecologist to inform NParks AVS if intervention is necessary.
3. Ecologist to facilitate response according to NParks AVS instructions.
4. Ecologist to capture and relocate or shepherd animal away if necessary.
5. Contractor to engage wildlife management company if trapping/culling of wild pigs is necessary; Ecologist to liaise.
1. Ecologist to assess the situation; go on-site if necessary.
2. Ecologist to inform NParks AVS if intervention is necessary.
3. Ecologist to facilitate response according to NParks AVS instructions.
4. Ecologist to engage Vet if necessary.
Snakes (assume all venomous)
Risk: High
No visible injuries
Visible injuries
1. Ecologist to assess the situation; go on-site if necessary.
2. Ecologist to inform NParks AVS if intervention is necessary.
3. Ecologist to facilitate response according to NParks AVS instructions.
4. Ecologist (with snake handler) to go on-site to capture and relocate the snake if necessary.
1. Ecologist to assess the situation; go on-site if necessary.
2. Ecologist to inform NParks AVS if intervention is necessary.
3. Ecologist to facilitate response according to NParks AVS instructions.
4. Ecologist to engage Vet and snake handler if necessary.
Bees, hornets, wasps
Risk: High
Hive
Swarming
1. Contractor to stop works in the vicinity and move away from area.
2. Contractor to barricade the area and put up warning signs
3. Contractor to contact Ecologist with location and photo of hive.
4. If aggressive species, Ecologist to advise if Contractor should contact pest control for hive removal.
1. Contractor to stop works in vicinity. Cover face and run to a sheltered area as fast as possible.
2. Contractor to contact Ecologist.
3. Ecologist to advise if Contractor to contact pest control for removal.

Appendix L

Baseline Surface Water Quality Report

TEST REPORT

Our Reference No.	: **R200592**	Date Received	: 06/02/2020
Project Code / Ref.	: 60617507	Date Commenced	: 06/02/2020
		Date Reported	: 17/02/2020

Customer Ref. No. : -
Customer Name : AECOM Singapore Pte Ltd
Customer Address : 300 Beach Road
#03-00 The Concourse
Singapore 199555

Attention To : Ms Liang Liang

Sample Description : 3 Water Samples

RESULTS: Refer to Page 2

Tan Thuan Piang
Laboratory Manager

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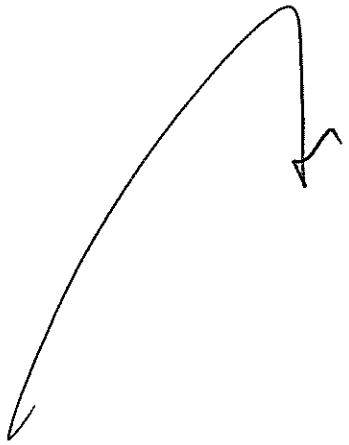
R200592

RESULTS

Test Parameter	Unit	Test Method	Sampling Date: 05/02/2020			Detection Limit
			WQ8	WQ9		
Turbidity	NTU	APHA 2130B	5.6	11		-
Biochemical Oxygen Demand (BOD)	mg/L	APHA 5210B	1.50	1.88		1
Chemical Oxygen Demand,COD	mg O_2/L	HACH Method 8000				5
Total Nitrogen as TN	mg/L	APHA 4500-P (J)				0.01
Total Phosphorus as TP	mg/L	APHA 4500-P (J)				0.01
Nitrate as NO_3-N	mg/L	APHA 4500-NO_3 (I)				0.005
Orthophosphates as PO_4	mg/L	APHA 4500-P (G)				0.005
Total Suspended Solids, TSS	mg/L	APHA 2540D	2.00	3.00		1

Note:

1. APHA is a standard method for Determination of Water and Waste Water (APHA 23rd Edition, 2017)
2. "<" = Less than. The data reported is less than Detection Limit of the test.



TEST REPORT

Our Reference No.	: **R201356**	Date Received	: 17/03/2020
Project Code / Ref.	:	Date Commenced	: 17/03/2020
		Date Reported	: 24/03/2020

Customer Ref. No.	:	60617507
Customer Name	:	AECOM Singapore Pte Ltd
Customer Address	:	300 Beach Road #03-00 The Concourse Singapore 199555
Attention To	:	Ms Liang Liang
Sample Description	:	10 Water Samples
RESULTS:		Refer to Page 2

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Technical Manager

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Website: www.mls.sg

R201356

RESULTS

Test Parameter	Unit	Test Method	Sampling Date: 17/03/2020	LOR
Turbidity	NTU	APHA 2130B	[redacted]	-
Total Suspended Solids as TSS	mg/L	APHA 2540D		1
Biochemical Oxygen Demand,BOD	mg/L	APHA 5210B		1
Chemical Oxygen Demand,COD	mg/L	HACH Method 8000		5
Total Nitrogen as TN	mg/L	APHA 4500-P (J)		0.01
Nitrate as NO_3-N	mg/L	APHA 4500-NO_3 (I)		0.005
Total Phosphorus as TP	mg/L	APHA 4500-P (J)		0.01
Orthophosphates as PO_4-P	mg/L	APHA 4500-P (G)		0.005

Test Parameter	Unit	Test Method	Sampling Date: 17/03/2020			LOR
			[redacted]	Sample 8	Sample 9	[redacted]	
				WQ8	WQ9		
Turbidity	NTU	APHA 2130B		30	10.0		-
Total Suspended Solids as TSS	mg/L	APHA 2540D		18.0	6.67		1
Biochemical Oxygen Demand,BOD	mg/L	APHA 5210B		3.92	<1		1
Chemical Oxygen Demand,COD	mg/L	HACH Method 8000					5
Total Nitrogen as TN	mg/L	APHA 4500-P (J)					0.01
Nitrate as NO_3-N	mg/L	APHA 4500-NO_3 (I)					0.005
Total Phosphorus as TP	mg/L	APHA 4500-P (J)					0.01
Orthophosphates as PO_4-P	mg/L	APHA 4500-P (G)					0.005

Note:

1. APHA is a standard method for Determination of Water and Waste Water (APHA 22nd Edition, 2012)
2. "<" = Less than. The data reported is less than Detection Limit of the test.

TEST REPORT

Our Reference No.	:	**R204650**	Date Received	:	13/08/2020
Project Code / Ref.	:	CR2005	Date Commenced	:	13/08/2020
			Date Reported	:	21/08/2020
Customer Ref. No.	:	60617507			
Customer Name	:	AECOM Singapore Pte Ltd			
Customer Address	:	300 Beach Road #03-00 The Concourse Singapore 199555			
Attention To	:	Ms Liang Liang			
Sample Description	:	6 Water Samples			
RESULTS:		Refer to Page 2			

Tan Thuan Piang
Technical Manager

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R204650

RESULTS

Test Parameter	Unit	Test Method	[redacted]	Sample 3	Sample 4	Sample 5	[redacted]	LOR
				WQ 3	WQ 4	WQ 5		
Turbidity	NTU	APHA 2130B		17	10	7.0		-
Total Suspended Solids as TSS	mg/L	APHA 2540D		16.0	5.20	2.20		1
Biochemical Oxygen Demand,BOD	mg/L	APHA 5210B		4.78	2.12	<1		1
Chemical Oxygen Demand, COD	mg O_2/L	HACH Method 8000		14	22	13		5
Total Nitrogen as TN	mg/L	APHA 4500-P (J)		2.36	1.19	1.16		0.01
Nitrate as NO_3-N	mg/L	APHA 4500-NO_3 (I)		1.54	0.51	0.90		0.005
Total Phosphorus as TP	mg/L	APHA 4500-P (J)		0.052	0.13	0.076		0.01
Orthophosphates as PO_4-P	mg/L	APHA 4500-P (G)		0.034	0.051	0.038		0.005

Note:

1. APHA is a standard method for Determination of Water and Waste Water (APHA 23rd Edition, 2017)
2. "<" = Less than. The data reported is less than Detection Limit of the test.

TEST REPORT

Our Reference No.	:	**R205095**	Date Received	:	03/09/2020
Project Code / Ref.	:	CR2005	Date Commenced	:	03/09/2020
			Date Reported	:	10/09/2020
Customer Ref. No.	:	60617507			
Customer Name	:	AECOM Singapore Pte Ltd			
Customer Address	:	300 Beach Road #03-00 The Concourse Singapore 199555			
Attention To	:	Ms Liang Liang			
Sample Description	:	6 Water Samples			
RESULTS:		Refer to Page 2			

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Technical Manager

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R205095

RESULTS

Test Parameter	Unit	Test Method	[redacted]	Sample 4 WQ8	Sample 5 WQ9	[redacted]	LOR
Turbidity	NTU	APHA 2130B		24	14		-
Total Suspended Solids as TSS	mg/L	APHA 2540D		11.4	12.0		1
Biochemical Oxygen Demand,BOD	mg/L	APHA 5210B		2.07	2.68		1
Chemical Oxygen Demand, COD	mg O_2/L	HACH Method 8000					5
Total Nitrogen as TN	mg/L	APHA 4500-P (J)					0.01
Nitrate as NO_3-N	mg/L	APHA 4500-NO_3 (I)					0.005
Total Phosphorus as TP	mg/L	APHA 4500-P (J)					0.01
Orthophosphates as PO_4-P	mg/L	APHA 4500-P (G)					0.005

Note:

1. APHA is a standard method for Determination of Water and Waste Water (APHA 23rd Edition, 2017)
2. "<" = Less than. The data reported is less than Detection Limit of the test.

TEST REPORT

Our Reference No. : **R216304**
Project Code / Ref. : Eng Neo Avenue Forest

Date Received : 16/11/2021
Date Commenced : 16/11/2021
Date Reported : 25/11/2021

Customer Ref. No. : 60617507
Customer Name : AECOM Singapore Pte Ltd
Customer Address : 300 Beach Road
#03-00 The Concourse
Singapore 199555

Attention To : Ms Celine Cho

Sample Description : 1 Water Sample as per received

RESULTS :

Test Parameter	Unit	Test Method	Sampling Date: 16/11/2021 Sample 1 WQ22	LOR
Total Nitrogen as TN	mg/L	APHA 4500-P (J)	0.70	0.01
Total Phosphorus as TP	mg/L	APHA 4500-P (J)	0.047	0.01
Ammonia as NH_4-N	mg/L	APHA 4500-NH_3 (H)	0.23	0.01
Nitrate as NO_3-N	mg/L	APHA 4500-NO_3 (I)	0.29	0.005
Orthophosphates as PO_4-P	mg/L	APHA 4500-P (G)	0.036	0.005
Total Suspended Solids as TSS	mg/L	APHA 2540D	3.60	1
Total Organic Carbon,TOC	mg/L	APHA 5310B	1.65	1
Enterococcus	cfu/100mL	APHA 9230C	410	1
Lead as Pb	ug/L	APHA 3125B	<0.5	0.5
Biochemical Oxygen Demand as BOD	mg/L	APHA 5210B	<1	1
Chemical Oxygen Demand as COD	mg O_2/L	HACH Method 8000 (Oct 2014)	<5	5
Turbidity	NTU	APHA 2130B	10.0	0.1

Note:

1. APHA is a standard method for Determination of Water and Waste Water (APHA 23rd Edition, 2017)
2. "<" = Less than. The data reported is less than Detection Limit of the test.

Tan Thuan Piang
Technical Manager

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TEST REPORT

Our Reference No. : **R216529**
Project Code / Ref. : Eng Neo Avenue Forest

Date Received : 26/11/2021
Date Commenced : 26/11/2021
Date Reported : 08/12/2021

Customer Ref. No. : 60617507
Customer Name : AECOM Singapore Pte Ltd
Customer Address : 300 Beach Road
#03-00 The Concourse
Singapore 199555

Attention To : Ms Celine Cho

Sample Description : 1 Water Sample as per received

RESULTS :

Test Parameter	Unit	Test Method	Sampling Date: 26/11/2021 Sample 1 WQ22	LOR
Total Nitrogen as TN	mg/L	APHA 4500-P (J)	0.70	0.01
Total Phosphorus as TP	mg/L	APHA 4500-P (J)	0.050	0.01
Ammonia as NH_4-N	mg/L	APHA 4500-NH_3 (H)	0.18	0.01
Nitrate as NO_3-N	mg/L	APHA 4500-NO_3 (I)	0.26	0.005
Orthophosphates as PO_4-P	mg/L	APHA 4500-P (G)	0.034	0.005
Total Suspended Solids as TSS	mg/L	APHA 2540D	4.50	1
Total Organic Carbon,TOC	mg/L	APHA 5310B	2.20	1
Enterococcus	cfu/100mL	APHA 9230C	180	1
Lead as Pb	ug/L	APHA 3125B	<0.5	0.5
Biochemical Oxygen Demand as BOD	mg/L	APHA 5210B	1.47	1
Chemical Oxygen Demand as COD	mg O_2/L	HACH Method 8000 (Oct 2014)	8	5
Turbidity	NTU	APHA 2130B	10.0	0.1

Note:

1. APHA is a standard method for Determination of Water and Waste Water (APHA 23rd Edition, 2017)
2. "<" = Less than. The data reported is less than Detection Limit of the test.

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Technical Manager

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Website: www.mls.sg

TEST REPORT

Our Reference No.	:	**R217251**	Date Received	:	30/12/2021
Project Code / Ref.	:	Former Turf Club	Date Commenced	:	30/12/2021
			Date Reported	:	07/01/2022
Customer Ref. No.	:	60662808			
Customer Name	:	AECOM Singapore Pte Ltd			
Customer Address	:	300 Beach Road #03-00 The Concourse Singapore 199555			
Attention To	:	Ms Celine Cho			
Sample Description	:	2 Water Samples as per received			
RESULTS:		Refer to Page 2			

Tan Thuan Piang
Technical Manager

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R217251

RESULTS

Test Parameter	Unit	Test Method	Sampling Date: 30/12/2021		LOR
			Sample 1	Sample 2	
			WQ21	WQ22	
Total Nitrogen as TN	mg/L	APHA 4500-P (J)	1.90	1.00	0.01
Total Phosphorus as TP	mg/L	APHA 4500-P (J)	0.031	0.039	0.01
Ammonia as NH_4-N	mg/L	APHA 4500-NH_3 (H)	0.074	0.019	0.01
Nitrate as NO_3-N	mg/L	APHA 4500-NO_3 (I)	1.41	0.58	0.005
Orthophosphates as PO_4-P	mg/L	APHA 4500-P (G)	0.028	0.036	0.005
Total Suspended Solids as TSS	mg/L	APHA 2540D	70.5	28.0	1
Total Organic Carbon,TOC	mg/L	APHA 5310B	7.62	6.15	1
Enterococcus	cfu/100mL	APHA 9230C	40,000	89,000	1
Lead as Pb	µg/L	APHA 3125B	2.06	2.55	0.5
Biochemical Oxygen Demand as BOD	mg/L	APHA 5210B	2.84	3.96	1
Chemical Oxygen Demand as COD	mg O_2/L	HACH Method 8000 (Oct 2014)	37	32	5
Turbidity	NTU	APHA 2130B	120	50	0.1

Note:

1. APHA is a standard method for Determination of Water and Waste Water (APHA 23rd Edition, 2017)
2. "<" = Less than. The data reported is less than Detection Limit of the test.

TEST REPORT

Our Reference No.	:	**R222393**	Date Received	: 11/04/2022
Project Code / Ref.	:	Maju Forest	Date Commenced	: 12/04/2022
			Date Reported	: 20/04/2022
Customer Ref. No.	:	-		
Customer Name	:	AECOM Singapore Pte Ltd		
Customer Address	:	300 Beach Road #03-00 The Concourse Singapore 199555		
Attention To		Ms Jacquelynn Chia		
Sample Description	:	4 Water samples as per received.		
RESULTS	:	Refer to Page 2		

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Technical Manager

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R222393

RESULTS

Test Parameter	Unit	Test Method	[redacted]	Sample 4 WQ36 11/04/2022	LOR
Total Nitrogen as TN	mg/L	APHA 4500-P (J)		0.54	0.01
Total Phosphorus as TP	mg/L	APHA 4500-P (J)		0.027	0.01
Nitrate as NO_3-N	mg/L	APHA 4500-NO_3 (I)		0.12	0.005
Orthophosphates as PO_4-P	mg/L	APHA 4500-P (G)		0.017	0.005
Total Suspended Solids as TSS	mg/L	APHA 2540D		5.60	1
Chemical Oxygen Demand as COD	mg/L	HACH Method 8000 (Oct 2014)		41	5
Biochemical Oxygen Demand as BOD	mg/L	APHA 5210B		<1	1
Turbidity	NTU	APHA 2130B		12	0.1
pH value	-	APHA 4500-H^+ (B)		6.6	-

Note:

1. APHA is a standard method for Determination of Water and Waste Water (APHA 23rd Edition, 2017)
2. "<" = Less than. The data reported is less than Detection Limit of the test.

TEST REPORT

Our Reference No.	:	**R223007**	Date Received	: 06/05/2022
Project Code / Ref.	:	60617507	Date Commenced	: 06/05/2022
			Date Reported	: 13/05/2022
Customer Ref. No.	:	-		
Customer Name	:	AECOM Singapore Pte Ltd		
Customer Address	:	300 Beach Road #03-00 The Concourse Singapore 199555		
Attention To		Ms Jacquelynn Chia		
Sample Description	:	1 Water sample as per received.		
RESULTS	:	Refer to Page 2		

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Technical Manager

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R223007

RESULTS

Test Parameter	Unit	Test Method	Sample 1 WQ36 06/05/2022	LOR
pH value	-	APHA 4500-H^+ (B)	7.1	-
Turbidity	NTU	APHA 2130B	6.9	0.1
Total Nitrogen as TN	mg/L	APHA 4500-P (J)	0.58	0.01
Total Phosphorus as TP	mg/L	APHA 4500-P (J)	0.026	0.01
Nitrate as NO_3-N	mg/L	APHA 4500-NO_3 (I)	<0.005	0.005
Orthophosphates as PO_4-P	mg/L	APHA 4500-P (G)	0.026	0.005
Total Suspended Solids as TSS	mg/L	APHA 2540D	80.8	1
Chemical Oxygen Demand as COD	mg O_2/L	HACH Method 8000 (Oct 2014)	27	5
Biochemical Oxygen Demand as BOD	mg/L	APHA 5210B	<1	1

Note:

1. APHA is a standard method for Determination of Water and Waste Water (APHA 23rd Edition, 2017)
2. "<" = Less than. The data reported is less than Detection Limit of the test.

TEST REPORT

Our Reference No. : R224039
Project Code / Ref. : 60617507

Date Received : 16/06/2022
Date Commenced : 16/06/2022
Date Reported : 24/06/2022

Customer Ref. No. : -
Customer Name : AECOM Singapore Pte Ltd
Customer Address : 300 Beach Road
#03-00 The Concourse
Singapore 199555

Attention To Ms Jacquelynn Chia

Sample Description : 1 Water sample as per received.

RESULTS :

Test Parameter	Unit	Test Method	Sample 1 WQ36 16/06/2022	LOR
Total Nitrogen as TN	mg/L	APHA 4500-P (J)	0.54	0.01
Total Phosphorus as TP	mg/L	APHA 4500-P (J)	0.024	0.01
Nitrate as NO_3-N	mg/L	APHA 4500-NO_3 (I)	<0.005	0.005
Orthophosphates as PO_4-P	mg/L	APHA 4500-P (G)	0.0084	0.005
Total Suspended Solids as TSS	mg/L	APHA 2540D	18.5	1
Biochemical Oxygen Demand as BOD	mg/L	APHA 5210B	<1	1
Chemical Oxygen Demand as COD	mg O_2/L	HACH Method 8000 (Oct 2014)	31	5
Turbidity	NTU	APHA 2130B	25	0.1

Note:

1. APHA is a standard method for Determination of Water and Waste Water (APHA 23rd Edition, 2017)
2. "<" = Less than. The data reported is less than Detection Limit of the test.

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Technical Manager

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Appendix M

Ambient Air Quality Baseline Monitoring Report

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

ALS Technichem (S) Pte Ltd
121 Genting Lane #04-01, Singapore 349572
Tel: (65) 6589 0118 Fax : (65) 6283 9689 E-mail: alssg@alsglobal.com
Co. Reg No. 198403076R

Our Ref: SG2003973

Date: 06 July 2020

ENVIRONMENTAL IMPACT STUDY AT CR2005
AIR QUALITY MONITORING
(DUST MONITORING - $PM_{2.5}$ & PM_{10})

FOR

AECOM SINGAPORE PTE LTD
300 BEACH ROAD #23-00 THE CONCOURSE
SINGAPORE 199555

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Executive Summary

ALS Technichem (S) Pte Ltd is appointed by AECOM Singapore Pte Ltd to carry out Ambient Air Monitoring for the Environmental Impact Study at CR2005 Project (Dust Monitoring – PM_{10} and $PM_{2.5}$). The monitoring was undertaken to determine the ambient air quality of Particulate Matter as 2.5um and 10um ($PM_{2.5}$ and PM_{10}), for 7 days continuously at five (5) selected locations from 25th February to 26th June 2020. The objective of this monitoring is to establish a baseline ambient air quality at the selected points and compare whether they are in compliance with the limits stipulated by Singapore Ambient Air Quality Targets by 2020 and the Long-Term Targets.

The monitoring results for PM_{10} for all locations for all 7 days are in compliance to the Singapore Ambient Air Quality Targets by 2020.

For $PM_{2.5}$, the monitoring results for all locations are in compliance to the Singapore Ambient Air Quality Long Term Targets for all 7 days except for Day 1 at Singapore University of Social Sciences (AQ01). The measured value for this day is 26.5 μgm^{-3} as compared to the long-term target of 25 μgm^{-3}.

It should be noted that the Ambient Air Monitoring project was carried out to the best of our knowledge and ability as well as responsibility towards the code of practice in the performance and reliability of our business to be accurate, precise and representative at the date/time and locations sampled so as to achieve a satisfactory baseline study.

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List of Abbreviations

PM_{10}	Particulate matter with aerodynamic diameter less than 10μm
$PM_{2.5}$	Particulate matter with aerodynamic diameter less than 2.5μm
μgm^{-3}	Microgram per cubic metre
LOR	Limit of Reporting

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1.0 Monitoring Requirement

1.1 Introduction

ALS Technichem (S) Pte Ltd (hereafter as "ALS") has been appointed as the contractor to perform Ambient Air Monitoring at the selected locations for the Environmental Impact Study for CR2005 Project. The monitoring was conducted at five (5) locations (Dust Monitoring – PM_{10} and $PM_{2.5}$) at the request of AECOM Singapore Pte Ltd (hereafter as "AECOM").

The ambient air monitoring is aimed to provide an air quality baseline information on the targeted area which was pre-determined by AECOM and to evaluate the results whether it is in compliance against National Environmental Agency- Singapore Ambient Air Quality Targets by 2020 and the Long-Term Targets.

1.2 Scope of Work

The scope of works for the ambient air quality monitoring includes:

1. Preparation of an Ambient Air Monitoring Plan;

2. Ambient air monitoring station setup and sampling at selected sampling points (as dictated by AECOM) are identified as follows:

    - AQ01 – Singapore University of Social Sciences
    - AQ02 – Methodist Girls School
    - AQ03 – Eng Neo Avenue Forest
    - AQ04 – Windsor
    - AQ05 – Peirce Secondary School

3. Collected air samples were analysed for:
    - Particulate Matter as 10um and 2.5um (PM_{10} & $PM_{2.5}$);

4. Assessing the analytical results against Singapore Ambient Air Quality Targets by 2020 and the Long-Term Targets

5. Providing a report outlining the findings and results of the study.

1.3 Monitoring Requirement

Ambient air monitoring was conducted at five (5) locations as dictated by AECOM. Particulate Matter as 10um and 2.5um (PM_{10} & $PM_{2.5}$), were monitored as required. Monitored parameters were dictated by AECOM and compared with the Singapore Ambient Air Quality Targets by 2020 and the Long-Term Targets. Table 1.1 lists the details of the limits of each parameter in this study.

Table 1.1: Summary of test parameters and limits for ambient air monitoring

Parameters	**Limits** (mgm^{-3} or μgm^{-3})	**Guidelines**
$PM_{2.5}$	25 μgm^{-3} (24-hour averaging period)	Singapore Ambient Air Quality Long Term Targets
PM_{10}	50 μgm^{-3} (24-hour averaging period)	Singapore Ambient Air Quality Targets by 2020

2.0 Sampling and Field Monitoring

2.1 Sampling Equipment

The following equipment was mobilized and used during the environmental monitoring activities.

Parameter	**Instrument Type**
Particulate matter (PM_{10} & $PM_{2.5}$)	TSI Environmental DustTrak Monitoring System

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2.2 Monitoring Location (★ indicates air monitoring location)

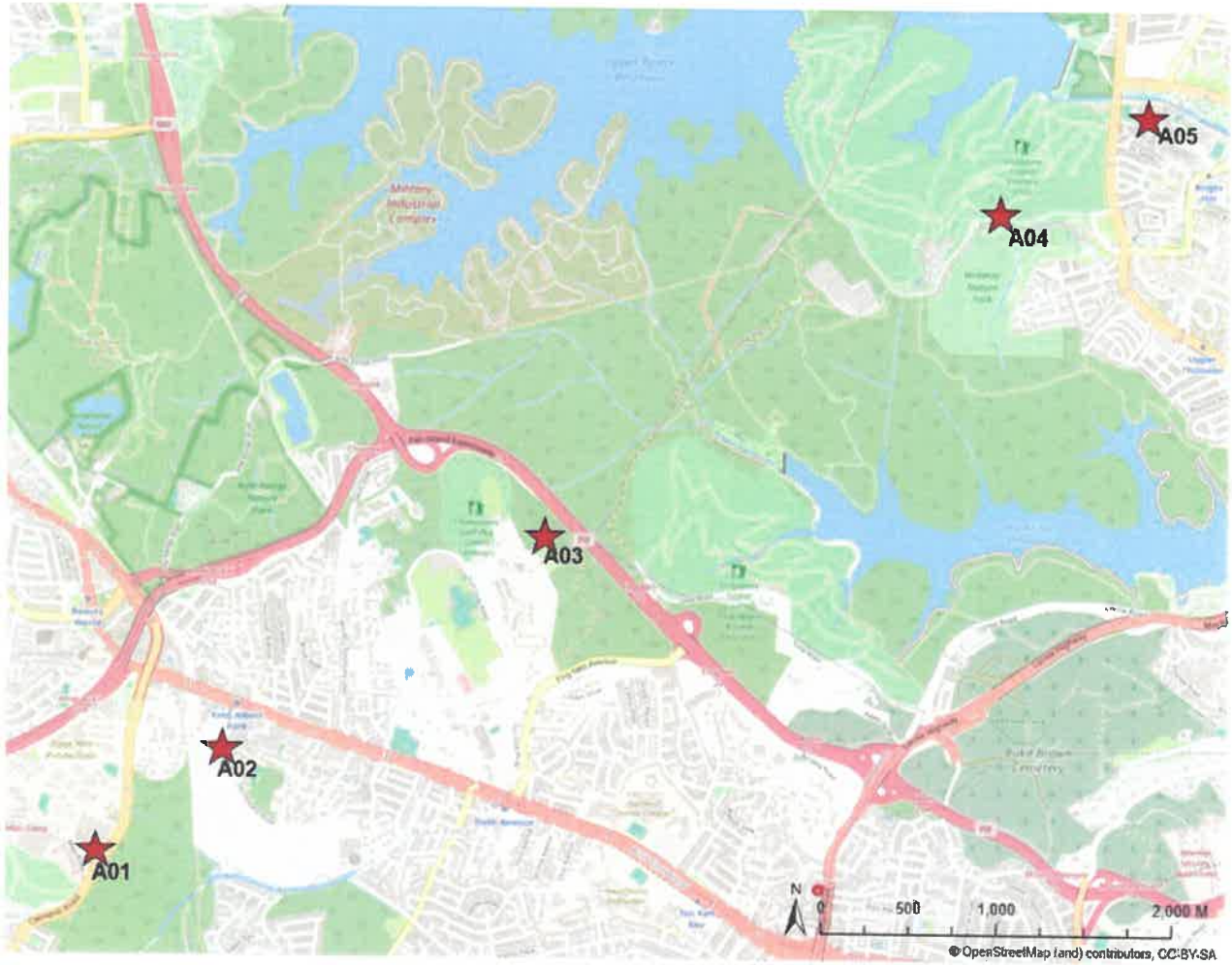

Figure 2.1: Air Quality Monitoring Locations (AQ01 to AQ05)

2.3 Detail Ambient Air Monitoring Point

The air monitoring points identified as AQ01 through AQ05 was dictated by AECOM. The details of the monitoring point is listed in Table 2.1 below.

Table 2.1: Details of monitoring points

Sampling ID	Monitoring Point	Parameter	Sampling Start		Sampling Stop	
			Date	Time (hr)	Date	Time (hr)
AQ01	Singapore University of Social Sciences	PM_{10} & $PM_{2.5}$ (24 hours)	11 Mar 2020	1300	18 Mar 2020	1255
AQ02	Methodist Girls School	PM_{10} & $PM_{2.5}$ (24 hours)	25 Feb 2020	1300	03 Mar 2020	1255
AQ03	Eng Neo Avenue Forest	PM_{10} & $PM_{2.5}$ (24 hours)	26 Mar 2020	1800	02 Apr 2020	1755
AQ04	Windsor	PM_{10} & $PM_{2.5}$ (24 hours)	19 Jun 2020	1300	26 Jun 2020	1255
AQ05	Peirce Secondary School	PM_{10} & $PM_{2.5}$ (24 hours)	03 Mar 2020	1800	10 Mar 2020	1755

3.0 Sampling and Analysis Methodology

Brief method description, method reference and reporting limit of the analytical methods are provided in Table 3.1.

Table 3.1: Summary of methodologies and limit of reporting (LOR)

No.	Parameter	Referenced Analytical Method	Description of Method	LOR
1.	Particulate matter (PM_{10} & $PM_{2.5}$)	TSI Environmental DustTrak Monitoring System Operation Manual	Concentrations of PM_{10} & $PM_{2.5}$ were measured by Light scattering laser photometer principle using an Environmental DustTrak Monitoring Equipment coupled with heated inlet for 5 minutes interval data log over 7 days continuous sampling period	1.0 μgm^{-3}

3.1 Quality Assurance / Quality Control

The certificate of field equipment calibration is attached in Appendix 1. The photos of the monitoring locations are attached in Appendix 2.

4.0 Results of Monitoring at AQ01

Table 4.1: Summary of results for Particulate Matter as $PM_{2.5}$, and PM_{10} based on 24-hour average at AQ01

Sampling Point	Day	Particulate Matter ($PM_{2.5}$), μgm^{-3}	Particulate Matter (PM_{10}), μgm^{-3}
Singapore University of Social Sciences (AQ01)	Day 1 (11 to 12 Mar 2020	**26.5**	30.1
	Day 2 (12 to 13 Mar 2020)	14.0	16.4
	Day 3 (13 to 14 Mar 2020)	11.2	14.5
	Day 4 (14 to 15 Mar 2020)	13.5	16.6
	Day 5 (15 to 16 Mar 2020)	9.43	12.5
	Day 6 (16 to 17 Mar 2020)	11.6	15.9
	Day 7 (17 to 18 Mar 2020)	14.9	18.4
Limits (μgm^{-3})		25[a]	50[b]

Notes:

[a] Denotes as per client request, the results are compared to the limits stipulated by Singapore Ambient Air Quality Long Term Targets

[b] Denotes results are compared to the limits stipulated by Singapore Ambient Air Quality Targets by 2020.

Bold font denotes exceeded the applicable limit.

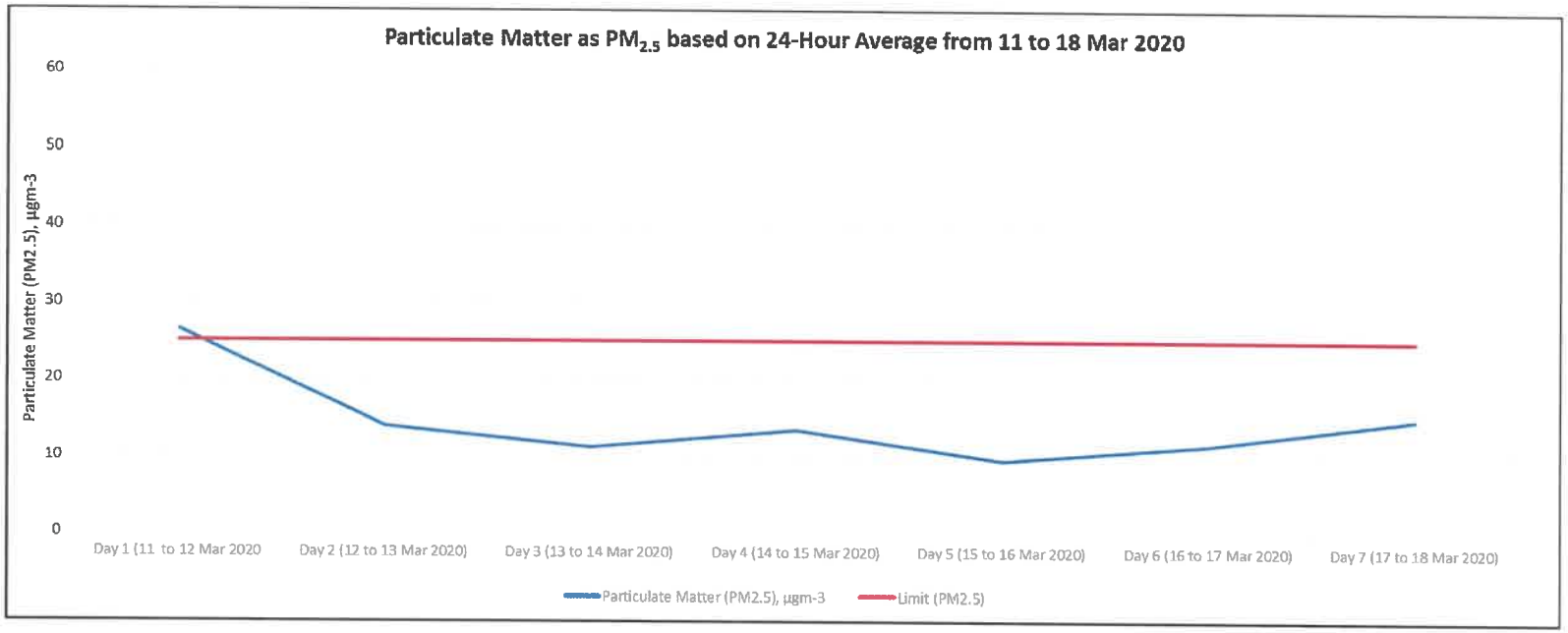

Figure 4.1: 24-Hour Average for $PM_{2.5}$ at AQ01 from 11 to 18 Mar 2020

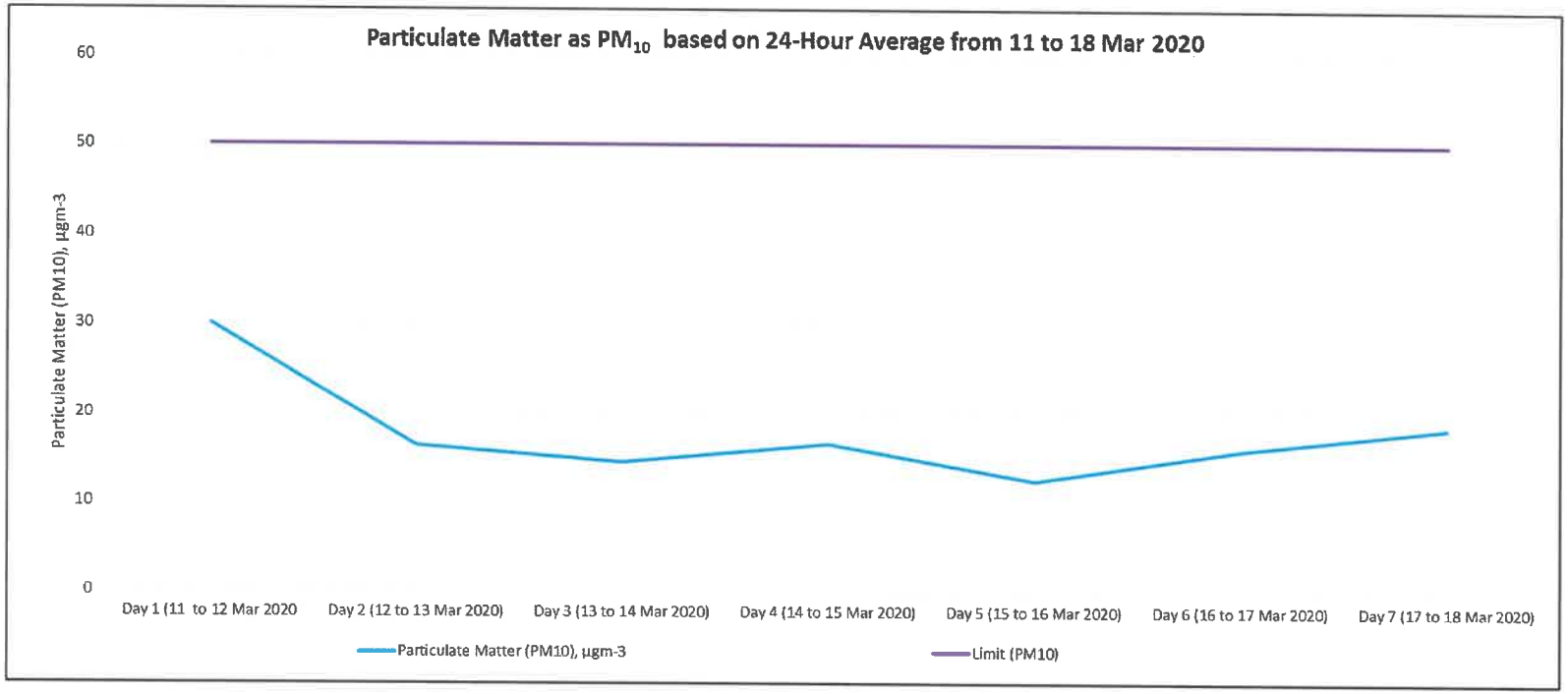

Figure 4.2: 24-Hour Average for PM_{10} at AQ01 from 11 to 18 Mar 2020

4.1 Results of Monitoring at AQ02

Table 4.2: Summary of results for Particulate Matter as $PM_{2.5}$, and PM_{10} based on 24-hour average at AQ02

Sampling Point	Day	Particulate Matter ($PM_{2.5}$), μgm^{-3}	Particulate Matter (PM_{10}), μgm^{-3}
Methodist Girls School (AQ02)	Day 1 (25 to 26 Feb 2020)	13.6	18.3
	Day 2 (26 to 27 Feb 2020)	10.8	14.5
	Day 3 (27 to 28 Feb 2020)	10.8	15.5
	Day 4 (28 to 29 Feb 2020)	10.0	13.4
	Day 5 (29 Feb to 01 Mar 2020)	11.2	14.4
	Day 6 (01 to 02 Mar 2020)	8.95	11.6
	Day 7 (02 to 03 Mar 2020)	9.44	12.5
Limits (μgm^{-3})		25[a]	50[b]

Notes:

[a] Denotes as per client request, the results are compared to the limits stipulated by Singapore Ambient Air Quality Long Term Targets

[b] Denotes results are compared to the limits stipulated by Singapore Ambient Air Quality Targets by 2020.

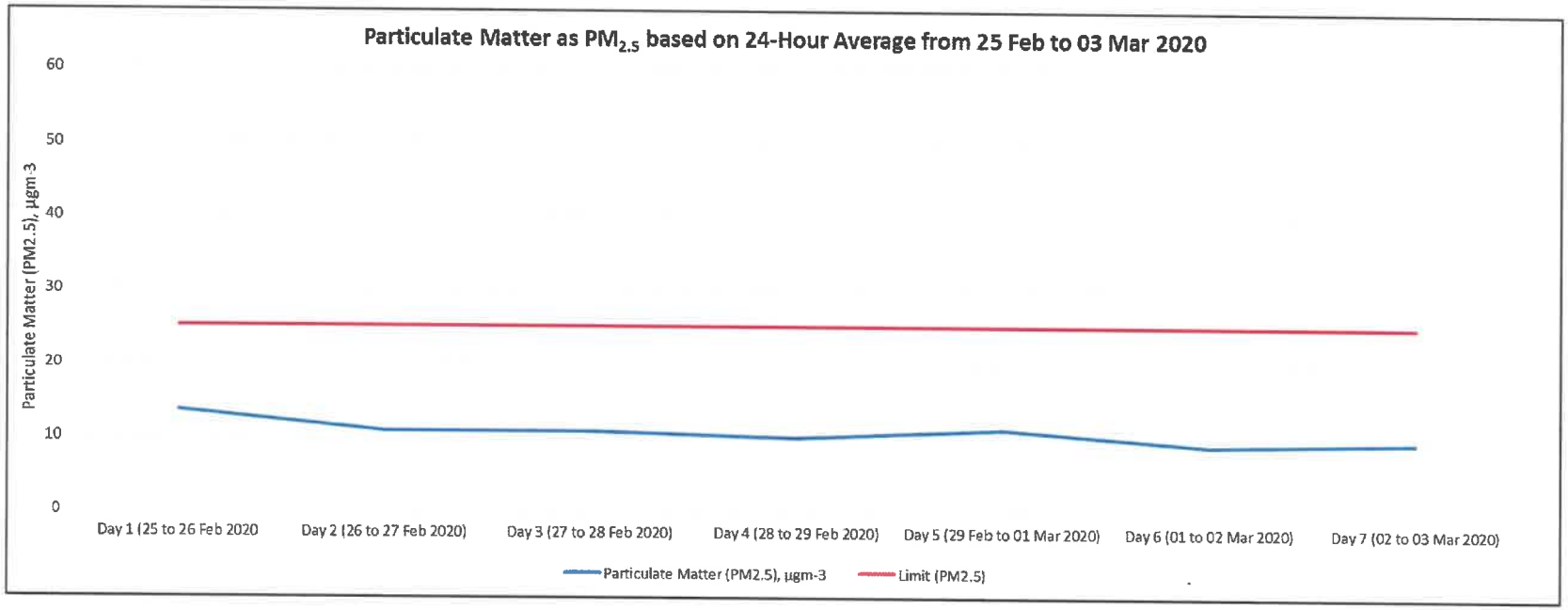

Figure 4.3: 24-Hour Average for $PM_{2.5}$ at AQ02 from 25 Feb to 03 Mar 2020

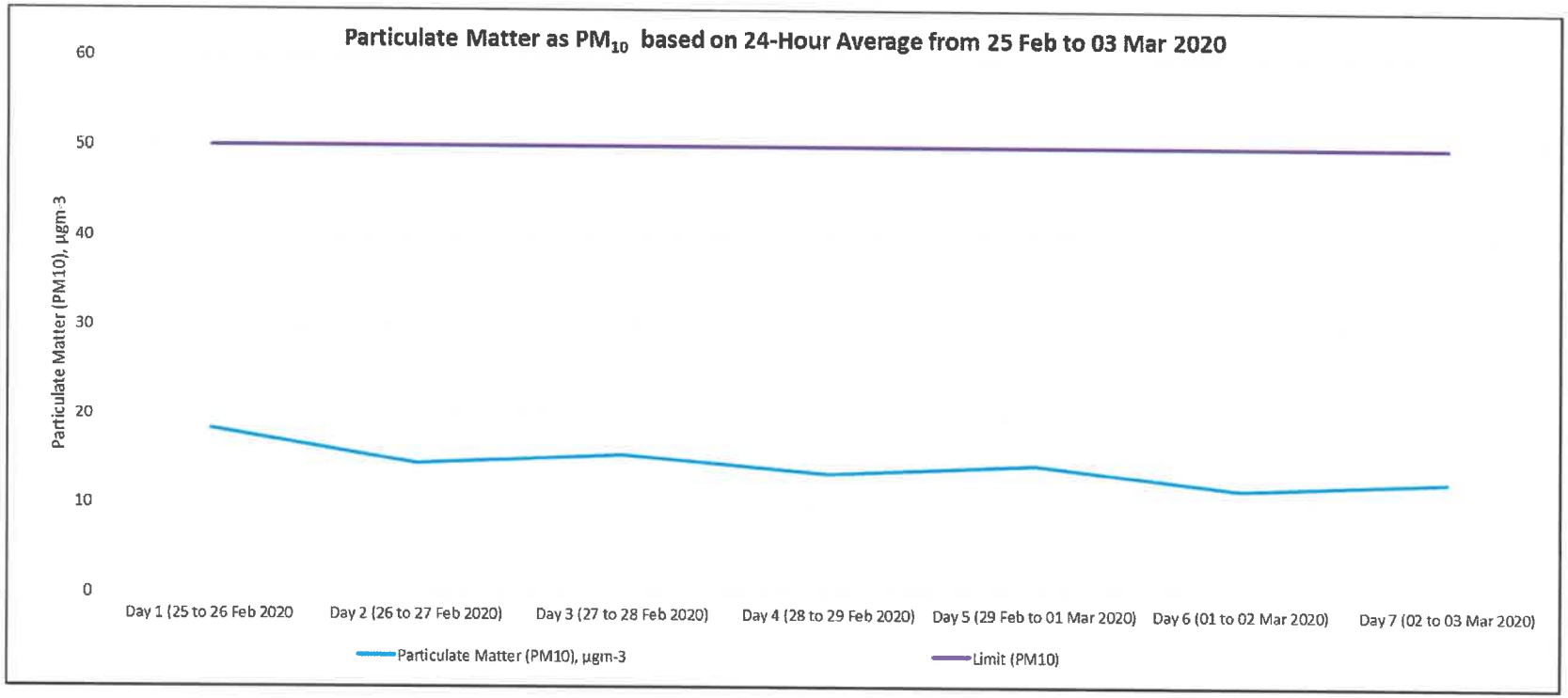

Figure 4.4: 24-Hour Average for PM_{10} at AQ02 from 25 Feb to 03 Mar 2020

4.2 Results of Monitoring at AQ03

Table 4.3: Summary of results for Particulate Matter as $PM_{2.5}$, and PM_{10} based on 24-hour average at AQ03

Sampling Point	Day	Particulate Matter ($PM_{2.5}$), μgm^{-3}	Particulate Matter (PM_{10}), μgm^{-3}
Eng Neo Avenue Forest (AQ03)	Day 1 (26 to 27 Mar 2020)	10.0	14.6
	Day 2 (27 to 28 Mar 2020)	12.6	20.5
	Day 3 (28 to 29 Mar 2020)	16.9	25.5
	Day 4(29 to 30 Mar 2020)	12.2	16.4
	Day 5(30 to 31 Mar 2020)	14.0	19.1
	Day 6(31 Mar to 01 Apr 2020)	16.4	19.9
	Day 7(01 to 02 Apr 2020)	11.5	16.9
Limits (μgm^{-3})		25[a]	50[b]

Notes:

[a] Denotes as per client request, the results are compared to the limits stipulated by Singapore Ambient Air Quality Long Term Targets

[b] Denotes results are compared to the limits stipulated by Singapore Ambient Air Quality Targets by 2020.

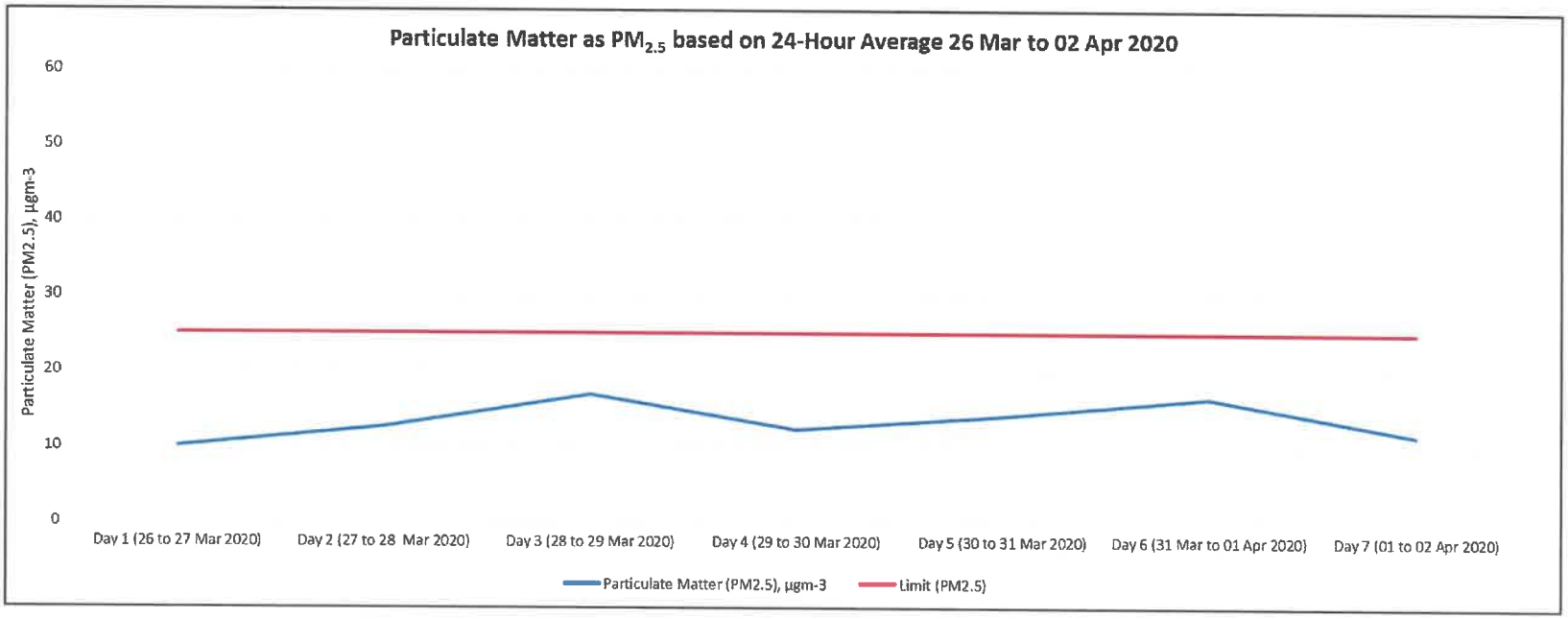

Figure 4.5: 24-Hour Average for $PM_{2.5}$ at AQ03 from 26 Mar to 02 Apr 2020

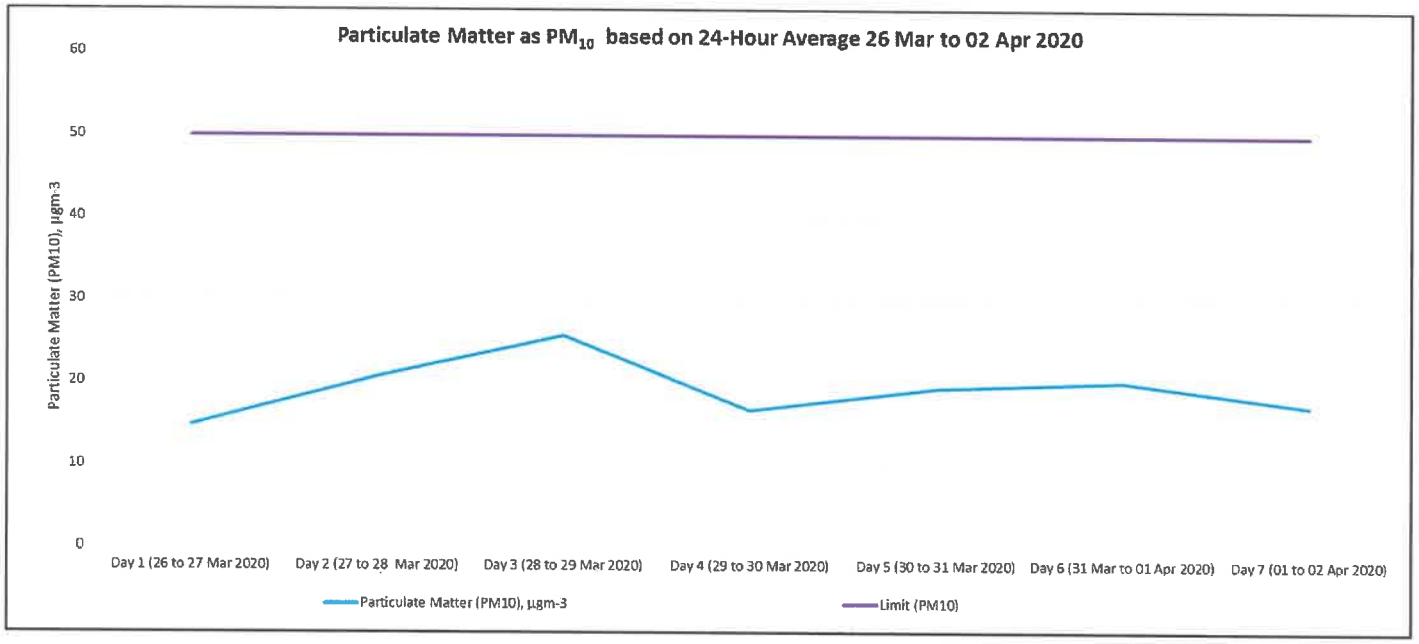

Figure 4.6: 24-Hour Average for PM_{10} at AQ03 from 26 Mar to 02 Apr 2020

4.3 Results of Monitoring at AQ04

Table 4.4: Summary of results for Particulate Matter as $PM_{2.5}$, and PM_{10} based on 24-hour average at AQ04

Sampling Point	Day	Particulate Matter ($PM_{2.5}$), μgm^{-3}	Particulate Matter (PM_{10}), μgm^{-3}
Windsor (AQ04)	Day 1 (19 to 20 Jun 2020)	6.36	9.41
	Day 2 (20 to 21 Jun 2020)	7.51	11.4
	Day 3 (21 to 22 Jun 2020)	9.60	13.6
	Day 4 (22 to 23 Jun 2020)	8.41	12.1
	Day 5 (23 to 24 Jun 2020)	3.34	6.33
	Day 6 (24 to 25 Jun 2020)	5.97	8.60
	Day 7 (25 to 26 Jun 2020)	6.65	10.2
Limits (μgm^{-3})		25[a]	50[b]

Notes:

[a] Denotes as per client request, the results are compared to the limits stipulated by Singapore Ambient Air Quality Long Term Targets

[b] Denotes results are compared to the limits stipulated by Singapore Ambient Air Quality Targets by 2020.

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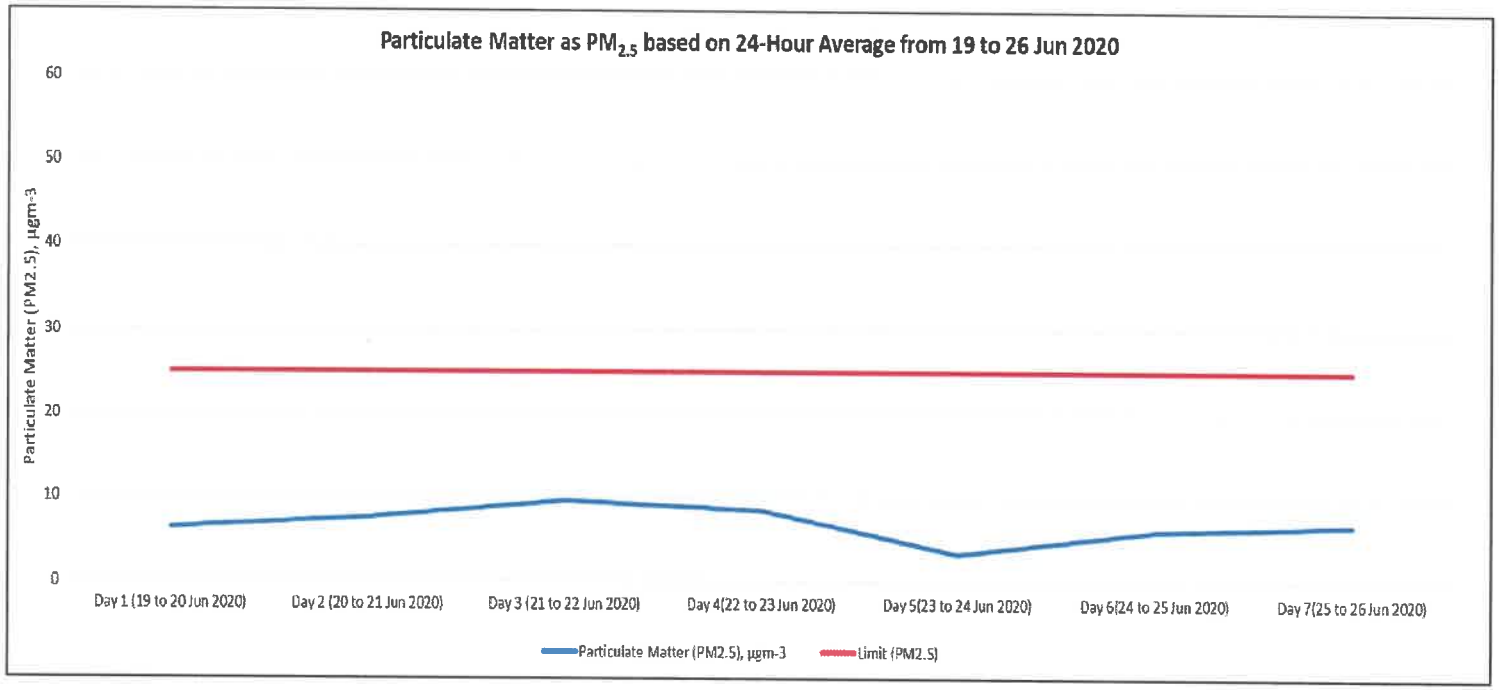

Figure 4.7: 24-Hour Average for $PM_{2.5}$ at AQ04 from 19 Jun to 26 Jun 2020

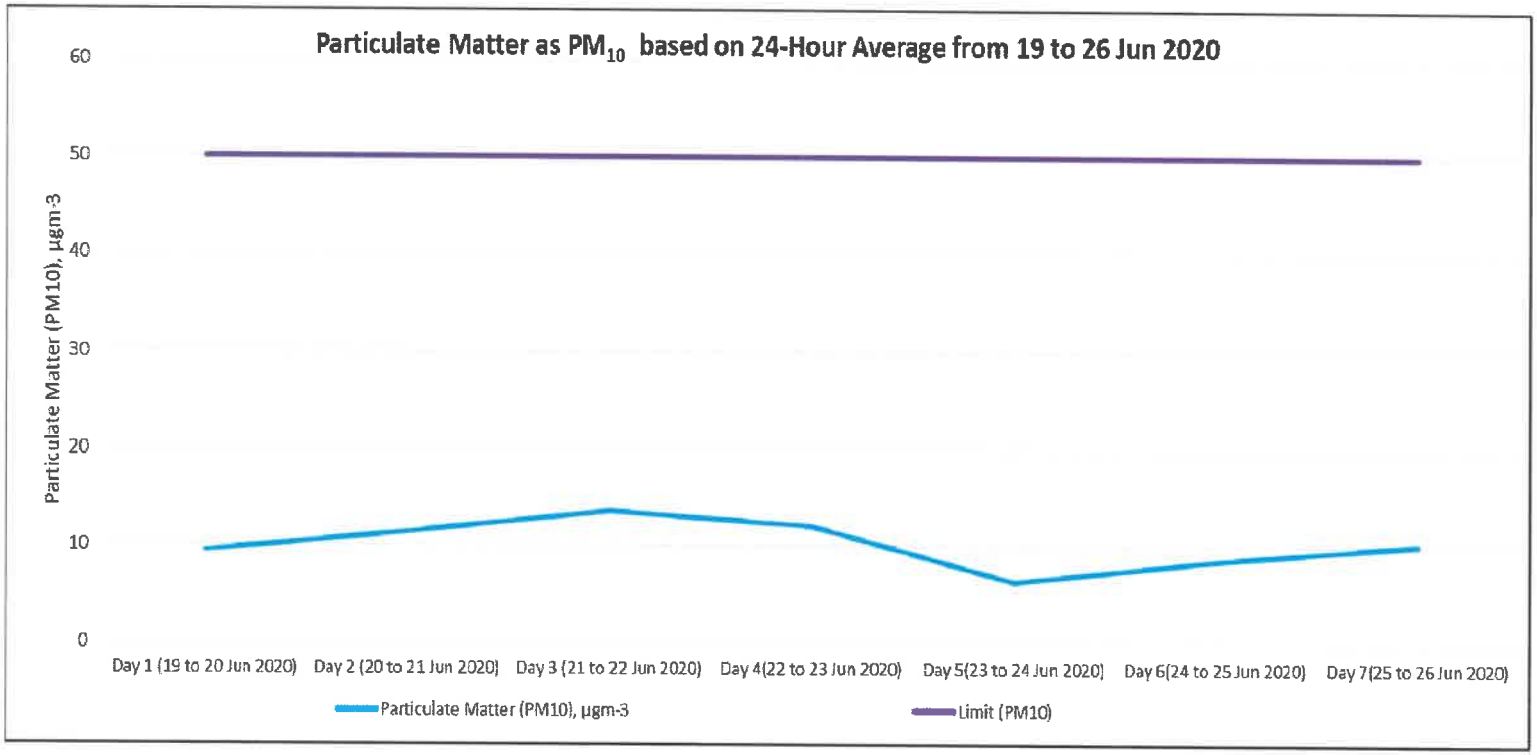

Figure 4.8: 24-Hour Average for PM_{10} at AQ04 from 19 Jun to 26 Jun 2020

4.4 Results of Monitoring at AQ05

Table 4.5: Summary of results for Particulate Matter as $PM_{2.5}$, and PM_{10} based on 24-hour average at AQ05

Sampling Point	Day	Particulate Matter ($PM_{2.5}$), μgm^{-3}	Particulate Matter (PM_{10}), μgm^{-3}
Peirce Secondary School (AQ05)	Day 1 (03 to 04 Mar 2020	11.9	15.4
	Day 2 (04 to 05 Mar 2020)	13.6	17.6
	Day 3 (05 to 06 Mar 2020)	19.2	21.5
	Day 4 (06 to 07 Mar 2020)	20.7	22.5
	Day 5 (07 to 08 Mar 2020)	15.0	17.9
	Day 6 (08 to 09 Mar 2020)	22.7	28.3
	Day 7 (09 to 10 Mar 2020)	23.7	27.4
Limits (μgm^{-3})		25[a]	50[b]

Notes:

[a] Denotes as per client request, the results are compared to the limits stipulated by Singapore Ambient Air Quality Long Term Targets

[b] Denotes results are compared to the limits stipulated by Singapore Ambient Air Quality Targets by 2020.

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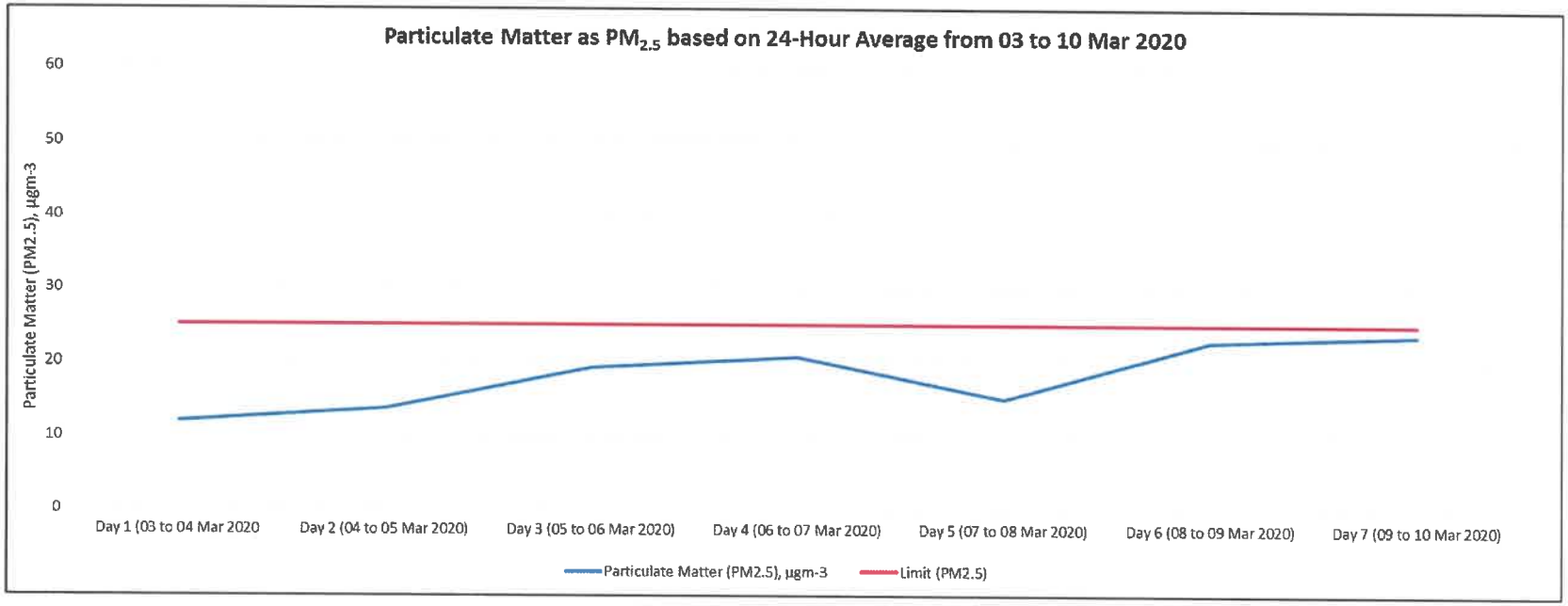

Figure 4.9: 24-Hour Average for $PM_{2.5}$ at AQ05 from 03 to 10 Mar 2020

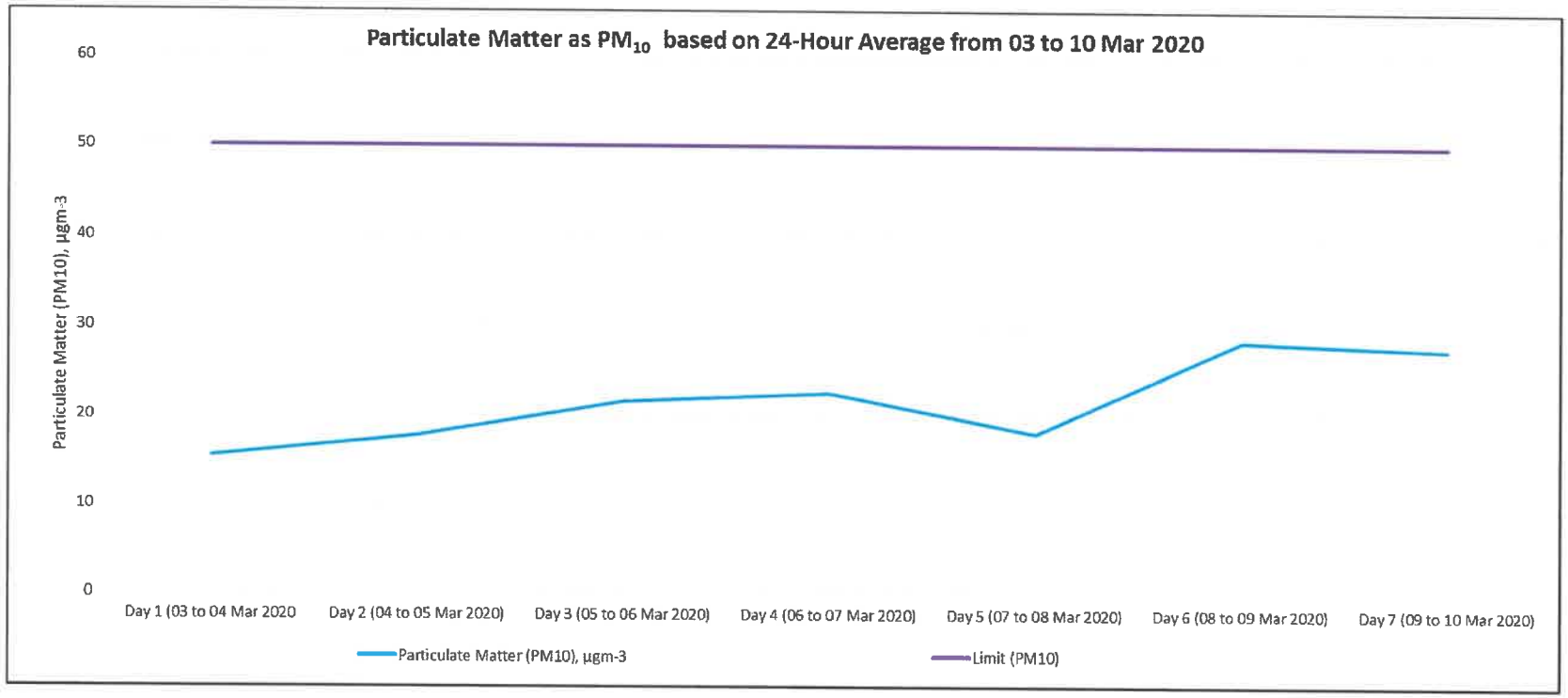

Figure 4.10: 24-Hour Average for PM_{10} at AQ05 from 03 to 10 Mar 2020

7.0 Conclusion

The monitoring results are summarized in Tables 4.1 to 4.5. The results for PM_{10} for all locations for all 7 days are in compliance to the Singapore Ambient Air Quality Targets by 2020.

For $PM_{2.5}$, the monitoring results for all locations are in compliance to the Singapore Ambient Air Quality Long Term Targets for all 7 days except for Day 1 at Singapore University of Social Sciences (AQ01). The measured value for this day (11 to 12 March 2020) is 26.5 μgm^{-3} as compared to the long-term target of 25 μgm^{-3}.

It should be noted that the Ambient Air Monitoring project was carried out to the best of our knowledge and ability as well as responsibility towards the code of practice in the performance and reliability of our business to be accurate, precise and representative at the date/time and locations sampled so as to achieve a satisfactory baseline study.

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Appendix 1 Certificate of Calibration of Equipment

CERTIFICATE OF CALIBRATION AND TESTING

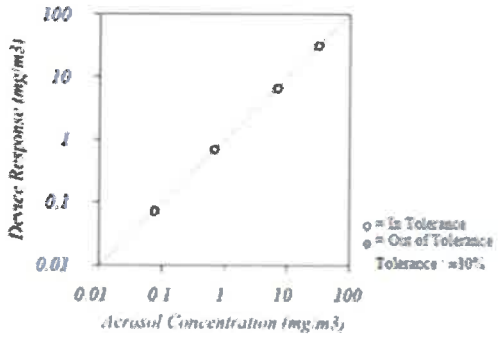
TSI Incorporated, 500 Cardigan Road, Shoreview, MN 55126 USA
Tel: 1-800-874-2811 1-651-490-2811 Fax: 1-651-490-3824 http://www.tsi.com

Environment Conditions		
Temperature	76.56 (24.8)	°F (°C)
Relative Humidity	24.0	%RH
Barometric Pressure	29.13 (986.5)	inHg (kPa)

Model	8543
Serial Number	8543191207

☒ As Left ☐ As Found
☒ In Tolerance ☐ Out of Tolerance

Concentration Linearity Plot



System ID DTH01-01

FLOW AND PRESSURE VERIFICATION — SYSTEM DTH01-01

Parameter	Standard	Measured	Allowable Range	Parameter	Standard	Measured	Allowable Range
Flow lpm	3.00	3.07	2.91 ~ 3.09	Pressure kPa	98.8	98.8	93.86 ~ 103.74
Full Flow lpm	N/A	6.48	>3.80				

TSI Incorporated does hereby certify that all materials, components, and workmanship used in the manufacture of this equipment are in strict accordance with the applicable specification agreed upon by TSI and the customer and with all published specifications. All performance and acceptance tests required under this contract were successfully conducted according to required specifications. There is no NIST standard for optical mass measurement. Calibration of this instrument performed by TSI has been done using emery oil and has been nominally adjusted to respirable mass per standard ISO 12103-1, A1 test dust (Arizona dust). Our calibration ratio is greater than 1.2:1

Measurement Variable	System ID	Last Cal	Cal Due
Photometer	E003433	03-19-19	09-30-19
DC Voltage(Keithley)	E002859	08-22-18	08-31-19
Temp/Humidity	E005410	10-15-18	10-31-19
1 um PSL	498886	n/a	n/a
10 um PSL	196441	n/a	n/a

Measurement Variable	System ID	Last Cal	Cal Due
Flowmeter	E002425	09-12-18	09-30-19
Microbalance	M003324	10-03-18	10-31-20
Pressure	E003440	07-24-18	07-31-19
3 um PSL	180387	n/a	n/a
Temp/Humidity	E005409	10-12-18	10-31-19

Juan Cornejo
Calibrated

March 21, 2019
Date



ATS-ENV-684Q

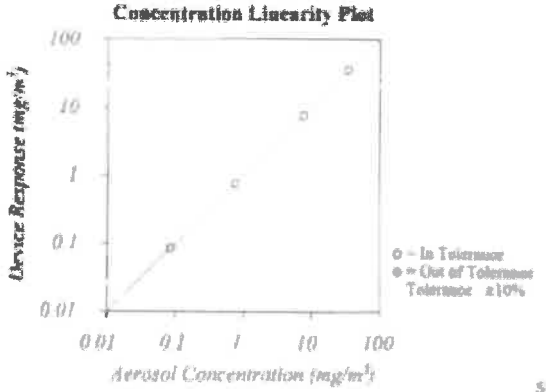
CERTIFICATE OF CALIBRATION AND TESTING

TSI Incorporated, 500 Cardigan Road, Shoreview, MN 55126 USA
Tel: 1-800-874-2811 1-651-490-2811 Fax: 1-651-490-3824 http://www.tsi.com

Environment Conditions		
Temperature	73.21 (22.9)	°F (°C)
Relative Humidity	20.1	%RH
Barometric Pressure	29.25 (990.5)	inHg (hPa)

Model	8543
Serial Number	8543192904

☒ As Left ☒ In Tolerance
☐ As Found ☐ Out of Tolerance



System ID: DTI101-01

FLOW AND PRESSURE VERIFICATION — SYSTEM DTI101-01

Parameter	Standard	Measured	Allowable Range	Parameter	Standard	Measured	Allowable Range
Flow lpm	3.00	2.98	2.91 - 3.09	Pressure kPa	99.0	98.9	94.01 - 103.90
Full Flow lpm	N/A	6.36	>3.80				

TSI Incorporated does hereby certify that all materials, components, and workmanship used in the manufacture of this equipment are in strict accordance with the applicable specifications agreed upon by TSI and the customer and with all published specifications. All performance and acceptance tests required under this contract were successfully conducted according to required specifications. There is no NIST standard for optical mass measurements. Calibration of this instrument performed by TSI has been done using emery oil and has been nominally adjusted to [illegible] greater than 1.2.

Measurement Variable	System ID	Last Cal	Cal. Due	Measurement Variable	System ID	Last Cal	Cal. Due
Photometer	E003433	03-04-20	09-30-20	Flowmeter	E004570	06-13-19	06-30-20
DC Voltage(Keithley)	E002859	08-15-19	08-31-20	Microbalance	M001324	10-03-18	10-31-20
Pressure	E005651	07/18/19	07-31-20	1 um PSL	698880	n/a	n/a
1 um PSL	206030	n/a	n/a	10 um PSL	212555	n/a	n/a

Brad Halvorson

Calibrated

March 13, 2020

Date

ALS TECHNICHEM (S) PTE LTD Registered By

23 Mar 2020

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Appendix 2 Site Photos





AQ01 Singapore University of Social Sciences

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AQ02 Methodist Girls School

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AQ03 Eng Neo Avenue Forest





AQ04 Windsor





AQ05 Peirce Secondary School

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ALS Building, Singapore 349572
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UEN No.: 198403076R

right solutions.
right partner.

Our Ref: SG2206750

Date: 21 July 2022

AIR MONITORING NEAR SITE V WITHIN HOLLAND PLAIN FOR

AECOM SINGAPORE PTE LTD
300 BEACH ROAD #23-00 THE CONCOURSE
SINGAPORE 199555

Edmundo II Dio Casapao
Environmental Engineer

Tan Teong Huat
Assistant General Manager (ENV)

The results reported herein have been performed in accordance with the terms of accreditation under the Singapore Accreditation Council and comply with the requirements specified in ISO/IEC 17025. This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The laboratory declares that the test results relate only to the items tested. This report may not be reproduced except with prior written approval from the testing laboratory and shall not be used for advertising purposes.

Executive Summary

ALS Technichem (S) Pte Ltd is appointed by AECOM Singapore Pte Ltd to carry out Air Quality Monitoring near Site V within Holland Plain and identified as AQ06. The monitoring was undertaken to determine the ambient air quality of Particulate Matter as 2.5µm and 10µm ($PM_{2.5}$ and PM_{10}), for 7 days continuously within the study area. The monitoring was conducted from 06 to 13 July 2022.

The objective of this monitoring is to understand the ambient air quality near Site V within Holland Plain. It also aimed to determine whether it is in compliance with the limits stipulated by Singapore Ambient Air Quality Targets by 2020 and Long-Term Targets.

The monitoring results of $PM_{2.5}$ and PM_{10} were found to be satisfactory and in compliance to both the Singapore Ambient Air Quality Targets by 2020 and Singapore Ambient Air Quality Long-Term Targets.

It should be noted that the Ambient Air Monitoring project was carried out to the best of our knowledge and ability as well as responsibility towards the code of practice in the performance and reliability of our business to be accurate, precise and representative at the date/time and locations sampled so as to achieve a satisfactory baseline study.

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List of Abbreviations

PM_{10}	Particulate matter with aerodynamic diameter less than 10µm
$PM_{2.5}$	Particulate matter with aerodynamic diameter less than 2.5µm
μgm^{-3}	Microgram per cubic metre
LOR	Limit of Reporting

1.0 Monitoring Requirement

1.1 Introduction

ALS Technichem (S) Pte Ltd (hereafter as "ALS") has been appointed as the contractor to perform Ambient Air Monitoring near Site V within Holland Plain. The monitoring was conducted on 06 to 13 July 2022 at the request of AECOM Singapore Pte Ltd (hereafter as "AECOM").

Ambient air monitoring aim to understand the ambient air quality near Site V within Holland Plain which was pre-determined by AECOM. The monitoring results will be evaluated against National Environmental Agency- Singapore Ambient Air Quality Targets by 2020 and the Long-Term Targets.

1.2 Scope of Work

The scope of works for the ambient air quality monitoring includes:

1. Preparation of an Ambient Air Monitoring Plan;

2. Ambient air monitoring station setup and sampling at selected sampling point, identified as AQ06 (sampling points were dictated by AECOM);

3. Collected air samples were analysed for:
   - Particulate Matter as 10um and 2.5um (PM_{10} & $PM_{2.5}$);

4. Assessing the analytical results against Singapore Ambient Air Quality Targets by 2020 and the Long-Term Targets;

5. Providing a report outlining the findings and results of the study.

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1.3 Monitoring Requirement

Ambient air monitoring was conducted at a selected location identified as AQ06. Particulate Matter as 2.5 µm and 10 µm ($PM_{2.5}$ & PM_{10}) were monitored as required. Monitored parameters were dictated by AECOM and compared with the Singapore Ambient Air Quality Targets by 2020 and the Long-Term Targets. Table 1.1 lists the details of the limits of each parameter in this study.

Table 1.1: Summary of test parameters and limits for ambient air monitoring

Parameters	Limits (μgm^{-3})	Guidelines
$PM_{2.5}$	37.5 μgm^{-3} (24-hour averaging period) 25 μgm^{-3} (24-hour averaging period)*	Singapore Ambient Air Quality Targets by 2020
PM_{10}	50 μgm^{-3} (24-hour averaging period)	

*Note: * denotes Singapore Air Quality Long-Term Targets*

2.0 Sampling and Field Monitoring

2.1 Sampling Equipment

The following equipment was mobilized and used during the environmental monitoring activities.

Parameter	Instrument Type
Particulate matter (PM_{10} & $PM_{2.5}$)	TSI Environmental DustTrak Monitoring System

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2.2 Monitoring Location (● indicates air monitoring location)



Figure 2.1: Air Quality Monitoring near Site V within Holland Plain

2.3 Detail Ambient Air Monitoring Point

The air monitoring points identified as AQ06 was dictated by AECOM. The details of the monitoring point are listed in Table 2.1 below.

Table 2.1: Details of monitoring points

Sampling ID	Monitoring Point	Parameter	Sampling Start		Sampling Stop	
			Date	Time (hr)	Date	Time (hr)
AQ06	Near Site V within Holland Plain	PM_{10} & $PM_{2.5}$ (24 hours)	06 July 2022	1200	13 July 2022	1155

3.0 Sampling and Analysis Methodology

Brief method description, method reference and reporting limit of the analytical methods are provided in Table 3.1.

Table 3.1: Summary of methodologies and limit of reporting (LOR)

No.	Parameter	Referenced Analytical Method	Description of Method	LOR
1.	Particulate matter (PM_{10} & $PM_{2.5}$)	TSI Environmental DustTrak Monitoring System Operation Manual	Concentrations of PM_{10} & $PM_{2.5}$ were measured by Light scattering laser photometer principle using an Environmental DustTrak Monitoring Equipment coupled with heated inlet for 5 minutes interval data log over 7 days continuous sampling period	1.0 μgm^{-3}

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3.1 Quality Assurance / Quality Control

The certificates of field equipment calibrations are attached in Appendix 1. The photos of the monitoring locations are attached in Appendix 2.

4.0 Results of Monitoring at AQ06

Table 4.1: Summary of results for Particulate Matter as $PM_{2.5}$, and PM_{10} based on 24-hour average at AQ06

Sampling Point	Day	Particulate Matter ($PM_{2.5}$), μgm^{-3}	Particulate Matter (PM_{10}), μgm^{-3}
AQ06	Day 1 (06 to 07 Jul 2022)	10.2	21.3
	Day 2 (07 to 08 Jul 2022)	10.7	20.6
	Day 3 (08 to 09 Jul 2022)	12.2	26.6
	Day 4 (09 to 10 Jul 2022)	21.7	36.0
	Day 5 (10 to 11 Jul 2022)	12.9	25.4
	Day 6 (11 to 12 Jul 2022)	18.7	32.9
	Day 7 (12 to 13 Jul 2022)	12.4	25.0
Limits (μgm^{-3})		**37.5[a]**	**50[a]**
		25[b]	**NA**

Notes:

[a] Denotes results are compared to the limits stipulated by Singapore Ambient Air Quality Targets by 2020.

[b] Denotes the results are compared to the limits stipulated by Singapore Ambient Air Quality Long-Term Targets

NA denotes Not Available

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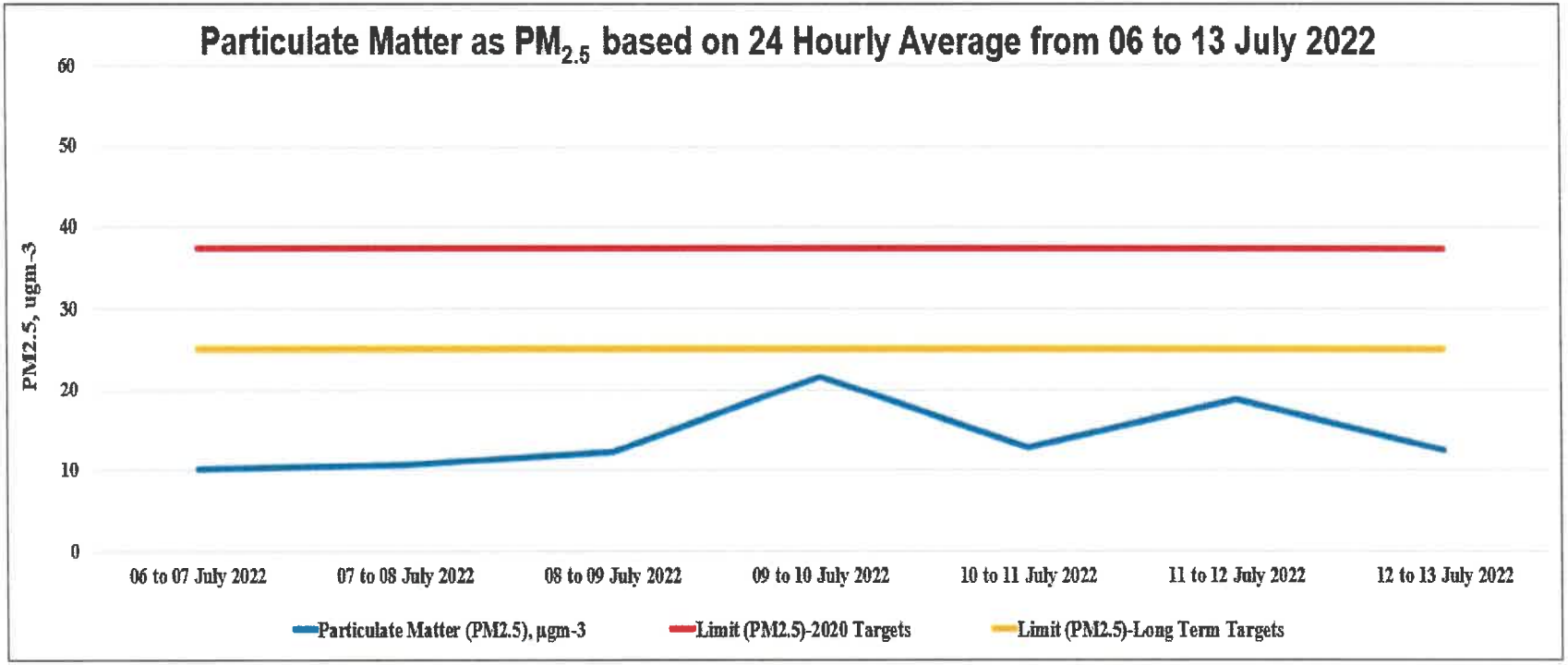

Figure 4.1: 24-Hour Average for $PM_{2.5}$ at AQ06 from 06 to 13 July 2022

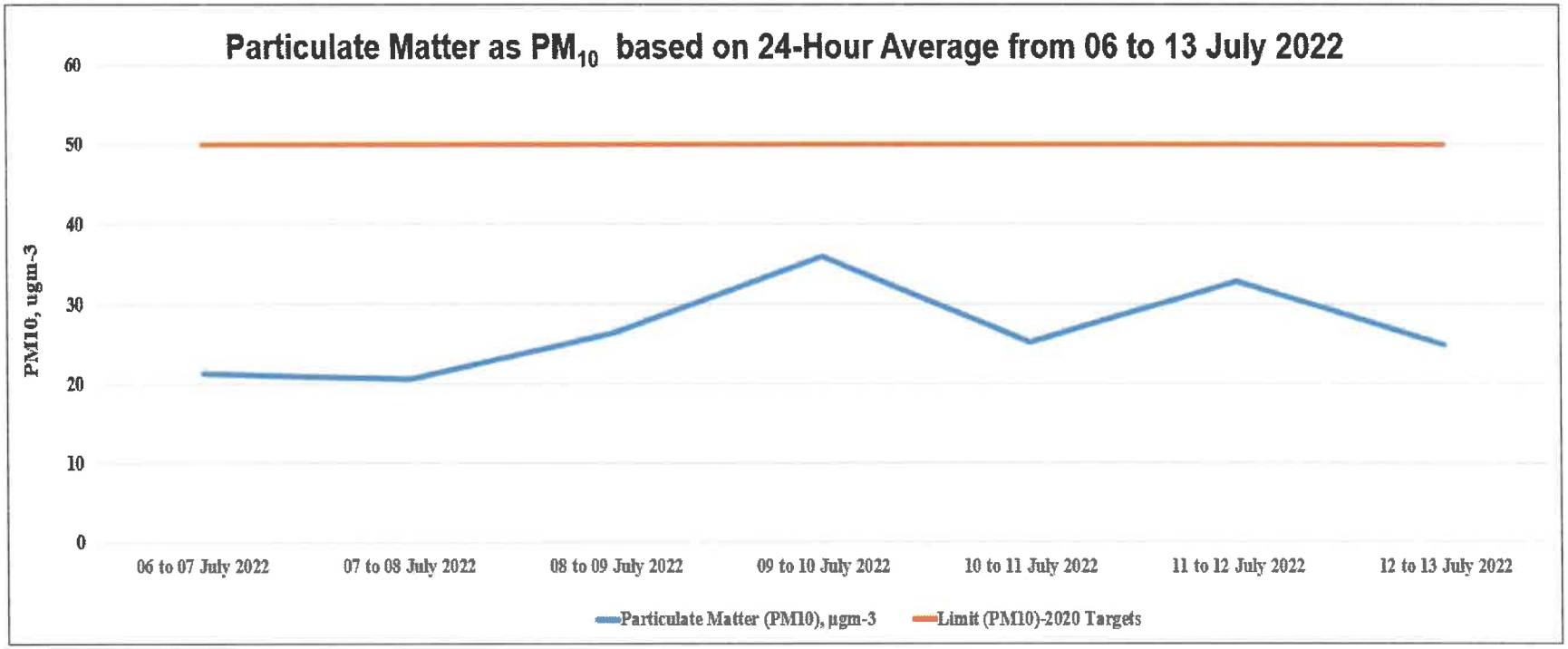

Figure 4.2: 24-Hour Average for PM_{10} at AQ06 from 06 to 13 July 2022

5.0 Conclusion

Based on the finding, the results are summarized in Tables 4.1. The results for $PM_{2.5}$ and PM_{10} at AQ06 for all 7 days were found to be satisfactory and in compliance with Singapore Ambient Air Quality Targets by 2020 and the Singapore Ambient Air Quality Long-Term Goals.

The ranged of $PM_{2.5}$ and PM_{10} concentrations at AQ06 are as follows:

a. $PM_{2.5}$ – 10.2 to 21.7 μgm^{-3}
b. PM_{10} – 20.6 to 36.0 μgm^{-3}

It should be noted that the Ambient Air Quality Monitoring project was carried out to the best of our knowledge and ability as well as responsibility towards the code of practice in the performance and reliability of our business to be accurate, precise and representative at the date/time and locations sampled so as to achieve a satisfactory baseline study.

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Appendix 1: Equipment Calibration Certificate

CERTIFICATE OF CALIBRATION AND TESTING

TSI Singapore Pte Ltd 150, Kampong Ampat
#05-05, KA Centre Singapore 368324
Phone: +65 6595 4391

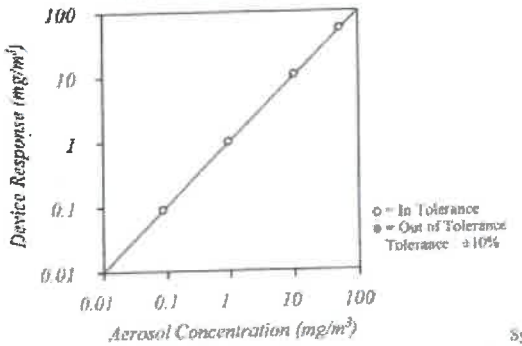
Environment Conditions		
Temperature	22.6	°C
Relative Humidity	48	%RH
Barometric Pressure	1007.1	hPa

Model	8543
Serial Number	8543205101

☒ As Left ☐ As Found

☒ In Tolerance ☐ Out of Tolerance

Concentration Linearity Plot



System ID: DTI104-01

FLOW AND PRESSURE VERIFICATION — SYSTEM DTI104-01

Parameter	Standard	Measured	Allowable Range	Parameter	Standard	Measured	Allowable Range
Flow lpm	3.00	3.10	2.88 ~ 3.12	Pressure kPa	100.8	100.7	95.76 ~ 105.84
Full Flow lpm	N/A	6.34	>3.80				

TSI Incorporated does hereby certify that all materials, components, and workmanship used in the manufacture of this equipment are in strict accordance with the applicable specifications agreed upon by TSI and the customer and with all published specifications. All performance and acceptance tests required under this contract were successfully conducted according to required specifications. There is no NIST standard for optical mass measurements. Calibration of this instrument performed by TSI has been done using emery oil and has been nominally adjusted to respirable mass of standard ISO 12103-1, A1 test dust (Arizona dust). Our calibration ratio is greater than 1.3:1.

Measurement Variable	System ID	Last Cal.	Cal. Due
DC Voltage	E020115	14-01-21	31-01-22
Microbalance	E020125	27-01-20	31-01-22
3 um PSL	206030	n/a	n/a
Pressure	E020123	29-01-21	31-01-22

Measurement Variable	System ID	Last Cal.	Cal. Due
Photometer	E020114	13-08-21	28-02-22
1 um PSL	698880	n/a	n/a
10 um PSL	212455	n/a	n/a
Flowmeter	E020119	29-04-21	30-04-22

Mukhlis Zakariah
Calibrated

10 January, 2022
Date

ALS TECHNICHEM (S) PTE LTD Reviewed 20 Jan 2022

TSI P/N 2009157

ALS TECHNICHEM (S) PTE LTD

Appendix 2: Photos of Monitoring Set-up





Appendix N

Baseline Airborne Noise Monitoring Results

Baseline Noise Monitoring Report

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1.0 Introduction

Under the contract "CR2005 – Provision of Services to Conduct Environmental Impact Study", the Land Transport Authorities, Singapore(LTA) appointed AECOM Singapore Pte Ltd (AECOM) to undertake a Project Environmental Study (PES) to access the potential environmental impacts arising from, and associated with, the construction of Cross Region Line (CRL) Phase II (hereafter referred to as the "Project")

Part of the study will involve assessment of the noise impacts arising from the construction activities of the project. This report details the noise monitoring plan to carry out the baseline noise monitoring at the project site due to proposed construction activities. The purpose of conducting a baseline noise monitoring is to determine the existing noise levels from these areas for further assessments and validation of noise level predictions.

1.1 Airborne Noise Monitoring Schedule

Unattended noise monitoring was conducted at the proposed points to capture the existing noise level profiles in the area. Monitoring date, location of the monitoring points are shown in provided in **Table 1** .

Table 1 Baseline Monitoring Locations

No.	Monitoring ID	Monitoring Location	Monitoring Date
1	NM05	Methodist Girls School	24 Feb – 02 Mar 2020
2	NM06	The Sterling Condominium	24 Feb – 02 Mar 2020
3	NM07	Landed housing along Hua Guan Avenue	29 Jan – 05 Feb 2020
4	NM08	Swiss School	24 Feb – 02 Mar 2020
5	NM09	Within Eng Neo Avenue Forest	29 Jan – 05 Feb 2020
6	NM12	Within Eng Neo Avenue Forest	13 Sep – 19 Sep 2021
7	NM13	Within Eng Neo Avenue Forest	13 Sep – 19 Sep 2021
8	NM14	Near Holland Plain and Site V	24 Sep – 30 Sep 2021
9	NM15	Near Holland Plain and Site IV	23 Jun – 30 Jun 2022
10	NM01(S)	Eng Neo Woods (Southern)	10 Sep – 16 Sep 2021
11	NM02(S)	Eng Neo Woods (Northern)	18 Oct – 24 Oct 2021
12	NM03(S)	Ravine in the centre of the former racetrack	18 Oct – 24 Oct 2021
13	NM04(S)	Forested area adjacent to The British Club/ Swiss Club	24 Nov – 30 Nov 2021
14	NM05(S)	Forested area bounded by Eng Neo Woods and Fairway Quarters	10 Sep – 16 Sep 2021

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1.2 Airborne Noise Monitoring Equipment

Four (4) Norsonic 131 Sound Level Meter (SLM) with microphones was utilized to collect data for the Project. For the purpose of QA/QC, SLM was calibrated before each monitoring session without any drift in calibration before and after monitoring to ensure that equipment readings remain within acceptable margins of error. In order to reduce the chances of recording unwanted noise caused by wind, a windshield was attached onto the microphone. Noise levels were recorded in 1-minute intervals using the L_{Aeq} descriptor, under 'fast' time-weighting. Calibration certificates of the noise monitoring equipment, as per Table 2 are presented in **Annex A**.

Table 2 Airborne Noise Monitoring Equipment

Instrument	Brand	Model	Serial Numbers	Type
Norsonic 131	Norsonic	Norsonic 131	1313950	1
Norsonic 131	Norsonic	Norsonic 131	1313979	1
Norsonic 131	Norsonic	Norsonic 131	1313980	1
Norsonic 131	Norsonic	Norsonic 131	1313989	1



Figure 1 Airborne Noise Monitoring Setup

1.3 Baseline Airborne Noise Monitoring Data (Construction)

The daily baseline airborne noise monitoring results for from NM05 to NM15, and NM01(S) to NM05(S) for 7:00 am – 7:00 pm, 7:00 pm – 10:00 pm and 10:00 pm – 7:00 am are listed in this section. The time period that will be used for the airborne noise impact assessments for Construction Phases is 7:00 am – 7:00 pm Monday to Saturday. The corresponding graphs for the daily monitoring data are displayed in **Annex A**.

The recorded background levels in Table 3 to Table 16 are used to calculate the “adjusted maximum permissible noise level” in line with the directions given in the applicable legislation for the construction airborne noise impact assessment.

Table 3 NM05 - baseline noise monitoring results

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
24 Feb 2020	Max	NA	NA	50	39	NA	46	38
	Min	NA	NA	61	52	NA	71	56
	Average / Overall	NA	52	55	44	NA	52	43
25 Feb 2020	Max	NA	NA	52	41	49	46	38
	Min	NA	NA	62	52	71	68	56
	Average / Overall	57	53	56	44	54	53	43
26 Feb 2020	Max	NA	NA	51	39	48	44	37
	Min	NA	NA	55	52	70	60	57
	Average / Overall	57	49	52	43	54	51	42
27 Feb 2020	Max	NA	NA	47	40	47	43	37
	Min	NA	NA	52	54	61	54	59
	Average / Overall	54	48	50	44	53	49	43
28 Feb 2020	Max	NA	NA	48	41	46	44	39
	Min	NA	NA	53	49	70	56	55
	Average / Overall	56	47	51	45	54	50	44
29 Feb 2020	Max	NA	NA	47	40	47	42	37
	Min	NA	NA	51	47	63	54	55
	Average / Overall	53	46	49	44	52	48	43
01 Mar 2020	Max	NA	NA	46	41	45	44	39
	Min	NA	NA	50	53	66	52	56
	Average / Overall	52	48	48	44	50	48	44

Table 4 NM06 - baseline noise monitoring results

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
24 Feb 2020	Max	NA	NA	59	52	NA	58	49
	Min	NA	NA	63	58	NA	70	61
	Average / Overall	NA	57	60	55	NA	60	54
25 Feb 2020	Max	NA	NA	59	52	59	58	49
	Min	NA	NA	63	59	70	70	60
	Average / Overall	61	58	61	55	61	60	55
26 Feb 2020	Max	NA	NA	59	51	58	58	49
	Min	NA	NA	59	58	71	63	60
	Average / Overall	62	57	59	54	61	59	54
27 Feb 2020	Max	NA	NA	59	52	58	57	50
	Min	NA	NA	59	59	65	60	60
	Average / Overall	60	57	59	55	60	59	55
28 Feb 2020	Max	NA	NA	59	54	57	57	52
	Min	NA	NA	59	59	76	60	60
	Average / Overall	62	57	59	56	60	59	56
29 Feb 2020	Max	NA	NA	58	52	57	58	49
	Min	NA	NA	59	58	62	60	59
	Average / Overall	59	57	59	55	59	59	55
01 Mar 2020	Max	NA	NA	58	50	55	57	48
	Min	NA	NA	59	58	61	60	60
	Average / Overall	59	56	59	54	59	58	54

Table 5 NM07 - baseline noise monitoring results

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
29 Jan 2020	Max	NA	NA	59	53	NA	59	50
	Min	NA	NA	63	63	NA	65	64
	Average / Overall	NA	59	61	57	NA	61	57
30 Jan 2020	Max	NA	NA	59	51	59	58	50
	Min	NA	NA	60	59	67	66	61
	Average / Overall	61	57	59	55	60	59	55
31 Jan 2020	Max	NA	NA	59	53	58	58	51
	Min	NA	NA	59	59	66	60	60
	Average / Overall	60	57	59	55	60	59	55
01 Feb 2020	Max	NA	NA	58	52	57	57	50
	Min	NA	NA	63	58	62	71	59
	Average / Overall	60	57	60	55	60	59	55
02 Feb 2020	Max	NA	NA	58	50	56	57	48
	Min	NA	NA	58	58	61	59	60
	Average / Overall	59	56	58	54	59	58	54
03 Feb 2020	Max	NA	NA	58	51	58	57	48
	Min	NA	NA	59	58	68	62	60
	Average / Overall	60	56	59	54	60	59	54
04 Feb 2020	Max	NA	NA	58	51	58	57	48
	Min	NA	NA	59	58	74	63	61
	Average / Overall	61	56	59	54	60	59	54

Table 6 NM08 - baseline noise monitoring results

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
24 Feb 2020	Max	NA	NA	52	37	NA	52	37
	Min	NA	NA	60	52	NA	69	52
	Average / Overall	NA	52	55	43	NA	53	42
25 Feb 2020	Max	NA	NA	54	38	42	40	37
	Min	NA	NA	61	44	68	69	50
	Average / Overall	55	52	57	40	52	54	39
26 Feb 2020	Max	NA	NA	46	37	43	40	36
	Min	NA	NA	53	49	69	56	55
	Average / Overall	54	46	48	41	50	46	39
27 Feb 2020	Max	NA	NA	40	37	43	39	36
	Min	NA	NA	55	41	60	59	45
	Average / Overall	53	46	47	39	51	46	38
28 Feb 2020	Max	NA	NA	52	37	42	52	36
	Min	NA	NA	54	49	69	54	52
	Average / Overall	55	48	54	40	53	54	39
29 Feb 2020	Max	NA	NA	40	38	42	39	38
	Min	NA	NA	43	41	57	46	45
	Average / Overall	51	40	42	39	50	41	39
01 Mar 2020	Max	NA	NA	40	37	42	39	37
	Min	NA	NA	44	41	58	47	46
	Average / Overall	50	40	42	39	48	41	38

Table 7 NM09 - baseline noise monitoring results

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
29 Jan 2020	Max	NA	NA	58	50	NA	53	49
	Min	NA	NA	69	59	NA	71	61
	Average / Overall	NA	60	62	54	NA	61	54
30 Jan 2020	Max	NA	NA	55	49	54	54	48
	Min	NA	NA	70	59	68	73	64
	Average / Overall	57	61	63	52	56	62	52
31 Jan 2020	Max	NA	NA	54	50	54	53	49
	Min	NA	NA	55	53	65	56	57
	Average / Overall	56	52	54	51	56	54	51
1 Feb 2020	Max	NA	NA	53	49	54	53	48
	Min	NA	NA	55	53	59	56	56
	Average / Overall	56	52	54	51	55	54	51
2 Feb 2020	Max	NA	NA	54	49	53	53	48
	Min	NA	NA	56	54	59	59	58
	Average / Overall	55	53	55	51	55	55	51
3 Feb 2020	Max	NA	NA	53	48	53	52	47
	Min	NA	NA	55	53	68	57	56
	Average / Overall	56	52	54	50	55	54	50
4 Feb 2020	Max	NA	NA	53	48	53	53	47
	Min	NA	NA	54	54	67	55	56
	Average / Overall	57	52	54	50	56	54	50

Table 8 NM12 - baseline noise monitoring results

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
13 Sep 2021	Max	NA	NA	47	43	NA	44	39
	Min	NA	NA	47	50	NA	51	55
	Average / Overall	NA	47	47	46	NA	46	45
14 Sep 2021	Max	NA	NA	46	44	43	44	42
	Min	NA	NA	50	49	62	53	53
	Average / Overall	54	47	48	46	51	48	46
15 Sep 2021	Max	NA	NA	49	44	45	44	40
	Min	NA	NA	51	48	62	55	53
	Average / Overall	54	48	50	46	52	49	46
16 Sep 2021	Max	NA	NA	46	42	44	44	41
	Min	NA	NA	48	49	65	51	50
	Average / Overall	55	46	47	45	52	47	45
17 Sep 2021	Max	NA	NA	45	44	43	42	41
	Min	NA	NA	47	51	57	50	53
	Average / Overall	52	47	46	49	51	46	48
18 Sep 2021	Max	NA	NA	44	42	45	42	39
	Min	NA	NA	48	52	59	49	53
	Average / Overall	52	48	47	48	50	47	47
19 Sep 2021	Max	NA	NA	52	46	43	43	44
	Min	NA	NA	55	48	74	56	50
	Average / Overall	62	50	53	47	53	52	47

Table 9 NM13 - baseline noise monitoring results

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
13 Sep 2021	Max	NA	NA	47	42	NA	46	41
	Min	NA	NA	56	50	NA	59	57
	Average / Overall	NA	50	52	45	NA	51	44
14 Sep 2021	Max	NA	NA	51	43	46	49	42
	Min	NA	NA	53	51	61	55	54
	Average / Overall	58	49	52	47	52	52	46
15 Sep 2021	Max	NA	NA	50	43	46	47	42
	Min	NA	NA	51	51	61	55	54
	Average / Overall	58	48	51	46	52	50	45
16 Sep 2021	Max	NA	NA	50	43	46	49	42
	Min	NA	NA	51	48	59	52	51
	Average / Overall	56	49	51	45	51	51	45
17 Sep 2021	Max	NA	NA	47	44	46	46	42
	Min	NA	NA	49	51	62	50	53
	Average / Overall	57	49	48	49	52	48	48
18 Sep 2021	Max	NA	NA	47	43	46	46	42
	Min	NA	NA	50	53	62	52	59
	Average / Overall	57	49	48	46	51	48	45
19 Sep 2021	Max	NA	NA	59	51	45	47	49
	Min	NA	NA	62	57	78	64	58
	Average / Overall	57	49	60	54	56	59	53

Table 10 NM14 - baseline noise monitoring results

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
24 Sep 2021	Max	NA	NA	45	47	NA	43	45
	Min	NA	NA	50	49	NA	51	52
	Average / Overall	NA	48	48	48	NA	48	48
25 Sep 2021	Max	NA	NA	46	47	38	42	44
	Min	NA	NA	50	51	54	53	52
	Average / Overall	48	49	48	49	47	48	49
26 Sep 2021	Max	NA	NA	45	45	41	41	44
	Min	NA	NA	56	59	61	63	63
	Average / Overall	49	52	50	50	47	48	49
27 Sep 2021	Max	NA	NA	49	45	44	46	44
	Min	NA	NA	51	53	69	56	57
	Average / Overall	57	49	51	48	52	50	48
28 Sep 2021	Max	NA	NA	48	45	39	46	44
	Min	NA	NA	51	50	65	56	51
	Average / Overall	53	49	50	48	51	50	48
29 Sep 2021	Max	NA	NA	48	48	43	43	47
	Min	NA	NA	50	68	59	57	73
	Average / Overall	49	60	49	55	48	48	54
30 Sep 2021	Max	NA	NA	48	46	45	46	45
	Min	NA	NA	52	53	65	53	54
	Average / Overall	54	50	51	50	52	50	49

Table 11 NM15 - baseline noise monitoring results

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
23 Jun 2022	Min	NA	NA	73	71	NA	72	71
	Max	NA	NA	74	72	NA	76	73
	Average / Overall	NA	72	74	72	NA	73	72
24 Jun 2022	Min	NA	NA	76	73	49	75	72
	Max	NA	NA	77	76	86	78	77
	Average / Overall	74	75	76	74	72	76	74
25 Jun 2022	Min	NA	NA	73	72	72	72	71
	Max	NA	NA	73	73	76	74	73
	Average / Overall	73	72	73	72	73	73	72
26 Jun 2022	Min	NA	NA	73	72	72	73	72
	Max	NA	NA	75	73	76	77	74
	Average / Overall	74	73	74	73	73	74	73
27 Jun 2022	Min	NA	NA	74	73	72	74	73
	Max	NA	NA	75	74	85	75	74
	Average / Overall	74	74	74	74	74	74	74
28 Jun 2022	Min	NA	NA	74	72	72	73	72
	Max	NA	NA	75	91	82	75	94
	Average / Overall	74	82	74	77	74	74	77
29 Jun 2022	Min	NA	NA	73	72	72	73	72
	Max	NA	NA	74	73	76	75	74
	Average / Overall	74	73	74	73	74	74	73

Table 12 NM01(S) - baseline noise monitoring results

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
10 Sep 2021	Max	NA	NA	50	48	NA	49	48
	Min	NA	NA	53	53	NA	54	56
	Average / Overall	NA	51	51	50	NA	51	50
11 Sep 2021	Max	NA	NA	52	48	49	49	47
	Min	NA	NA	54	52	58	59	53
	Average / Overall	53	51	53	50	53	52	50
12 Sep 2021	Max	NA	NA	51	48	48	48	44
	Min	NA	NA	51	51	59	53	52
	Average / Overall	53	50	51	49	53	51	49
13 Sep 2021	Max	NA	NA	49	48	46	47	46
	Min	NA	NA	51	50	59	52	51
	Average / Overall	52	49	50	49	52	50	49
14 Sep 2021	Max	NA	NA	51	48	48	48	47
	Min	NA	NA	51	51	59	54	52
	Average / Overall	53	50	51	51	53	51	51
15 Sep 2021	Max	NA	NA	51	48	49	49	47
	Min	NA	NA	53	51	57	57	56
	Average / Overall	53	50	52	49	53	52	49
16 Sep 2021	Max	NA	NA	50	50	50	49	48
	Min	NA	NA	51	51	60	52	53
	Average / Overall	53	51	51	50	53	51	50

Table 13 NM02(S) - baseline noise monitoring results

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
18 Oct 2021	Max	NA	NA	60	53	NA	59	52
	Min	NA	NA	64	59	NA	66	61
	Average / Overall	NA	59	62	56	NA	62	56
19 Oct 2021	Max	NA	NA	59	53	59	59	52
	Min	NA	NA	62	59	64	64	61
	Average / Overall	61	58	61	56	61	60	56
20 Oct 2021	Max	NA	NA	60	54	60	60	54
	Min	NA	NA	67	63	73	69	65
	Average / Overall	63	61	64	59	62	63	59
21 Oct 2021	Max	NA	NA	60	53	60	59	52
	Min	NA	NA	69	59	66	71	63
	Average / Overall	62	61	64	56	62	64	56
22 Oct 2021	Max	NA	NA	60	54	59	59	53
	Min	NA	NA	63	59	63	64	60
	Average / Overall	61	58	61	58	61	61	58
23 Oct 2021	Max	NA	NA	62	54	59	60	53
	Min	NA	NA	65	60	70	66	61
	Average / Overall	62	60	64	57	62	64	57
24 Oct 2021	Max	NA	NA	60	52	58	60	50
	Min	NA	NA	65	60	67	68	62
	Average / Overall	60	59	62	56	60	62	55

Table 14 NM03(S) - baseline noise monitoring results

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
18 Oct 2021	Max	NA	NA	56	46	NA	47	45
	Min	NA	NA	60	59	NA	63	63
	Average / Overall	NA	54	58	48	NA	56	47
19 Oct 2021	Max	NA	NA	48	45	48	47	45
	Min	NA	NA	50	49	61	54	51
	Average / Overall	55	47	49	46	54	49	46
20 Oct 2021	Max	NA	NA	60	48	48	49	48
	Min	NA	NA	71	57	74	74	62
	Average / Overall	61	63	67	49	57	64	49
21 Oct 2021	Max	NA	NA	48	47	49	47	46
	Min	NA	NA	61	49	65	64	52
	Average / Overall	54	53	56	47	53	53	47
22 Oct 2021	Max	NA	NA	47	47	48	47	46
	Min	NA	NA	48	50	61	49	52
	Average / Overall	54	47	48	50	53	48	50
23 Oct 2021	Max	NA	NA	61	47	48	50	47
	Min	NA	NA	71	59	69	74	67
	Average / Overall	57	63	67	50	54	64	49
24 Oct 2021	Max	NA	NA	47	46	47	47	46
	Min	NA	NA	47	50	60	48	54
	Average / Overall	53	47	47	47	52	47	47

Table 15 NM04(S) - baseline noise monitoring results

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
24 Nov 2021	Max	NA	NA	65	48	NA	64	47
	Min	NA	NA	79	62	NA	83	64
	Average / Overall	NA	69	70	53	NA	69	52
25 Nov 2021	Max	NA	NA	56	47	54	54	46
	Min	NA	NA	78	54	57	81	55
	Average / Overall	55	67	66	50	55	64	50
26 Nov 2021	Max	NA	NA	53	47	51	50	46
	Min	NA	NA	53	53	57	55	54
	Average / Overall	54	51	53	50	54	53	50
27 Nov 2021	Max	NA	NA	59	49	51	56	48
	Min	NA	NA	64	77	75	67	80
	Average / Overall	58	70	62	64	54	61	62
28 Nov 2021	Max	NA	NA	58	45	51	56	42
	Min	NA	NA	78	61	57	81	63
	Average / Overall	53	68	67	51	53	65	51
29 Nov 2021	Max	NA	NA	53	45	51	52	43
	Min	NA	NA	53	52	55	53	53
	Average / Overall	53	50	53	48	52	53	48
30 Nov 2021	Max	NA	NA	52	44	49	51	43
	Min	NA	NA	53	54	54	56	58
	Average / Overall	52	51	53	48	52	53	48

Table 16 NM05(S) – baseline noise monitoring results

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
10 Sep 2021	Max	NA	NA	53	44	NA	51	41
	Min	NA	NA	55	52	NA	57	55
	Average / Overall	NA	50	54	47	NA	54	47
11 Sep 2021	Max	NA	NA	51	43	51	50	38
	Min	NA	NA	52	50	66	53	54
	Average / Overall	58	49	52	46	57	51	46
12 Sep 2021	Max	NA	NA	51	42	49	49	39
	Min	NA	NA	52	52	63	55	54
	Average / Overall	58	48	51	46	56	51	45
13 Sep 2021	Max	NA	NA	51	41	52	51	37
	Min	NA	NA	53	52	65	55	55
	Average / Overall	56	49	52	45	55	52	45
14 Sep 2021	Max	NA	NA	51	42	51	49	41
	Min	NA	NA	53	53	63	55	55
	Average / Overall	57	49	52	50	56	52	50
15 Sep 2021	Max	NA	NA	50	43	52	49	41
	Min	NA	NA	54	51	63	58	54
	Average / Overall	57	49	52	46	56	52	45
16 Sep 2021	Max	NA	NA	51	44	51	49	42
	Min	NA	NA	52	52	63	53	56
	Average / Overall	57	49	51	46	56	51	46

1.3.1 Summary of Baseline Noise Monitoring Results for Construction Noise Impact Assessment

The baseline noise monitoring results from NM05 to NM15, and NM01(S) to NM05(S) are summarised in this section. These data with background noise correction factor applied will be used to develop the noise criteria for this project.

Table 17: Summary of Baseline Noise Monitoring Results for Monday to Saturday at NM05

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
24 Feb 2020 to 29 Feb 2020	Max	NA	NA	47	39	46	42	37
	Min	NA	NA	62	54	71	71	59
	Average / Overall	55	49	52	44	53	51	43

Table 18: Summary of Baseline Noise Monitoring Results for Sunday and Public Holiday at NM05

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
1 Mar 2020	Max	NA	NA	46	41	45	44	39
	Min	NA	NA	50	53	66	52	56
	Average / Overall	52	48	48	44	50	48	44

Table 19: Summary of Baseline Noise Monitoring Results for Monday to Saturday at NM06

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
24 Feb 2020 to 29 Feb 2020	Max	NA	NA	58	51	57	57	49
	Min	NA	NA	63	59	76	70	61
	Average / Overall	61	57	59	55	60	59	55

Table 20: Summary of Baseline Noise Monitoring Results for Sunday and Public Holiday at NM06

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
1 Mar 2020	Max	NA	NA	58	50	55	57	48
	Min	NA	NA	59	58	61	60	60
	Average / Overall	59	56	59	54	59	58	54

Table 21: Summary of Baseline Noise Monitoring Results for Monday to Saturday at NM07

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
29 Jan 2020 to 1 Feb 2020 & 3 Feb 2020 to 4 Feb 2020	Max	NA	NA	58	51	57	57	48
	Min	NA	NA	63	63	74	71	64
	Average / Overall	60	57	59	55	60	59	55

Table 22: Summary of Baseline Noise Monitoring Results for Sunday and Public Holiday at NM07

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
2 Feb 2020	Max	NA	NA	58	50	56	57	48
	Min	NA	NA	58	58	61	59	60

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
	Average / Overall	59	56	58	54	59	58	54

Table 23: Summary of Baseline Noise Monitoring Results for Monday to Saturday at NM08

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
24 Feb 2020 to 29 Feb 2020	Max	NA	NA	40	37	42	39	36
	Min	NA	NA	61	52	69	69	55
	Average / Overall	54	47	50	40	51	49	39

Table 24: Summary of Baseline Noise Monitoring Results for Sunday and Public Holiday at NM08

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
1 Mar 2020	Max	NA	NA	40	37	42	39	37
	Min	NA	NA	44	41	58	47	46
	Average / Overall	50	40	42	39	48	41	38

Table 25: Summary of Baseline Noise Monitoring Results for Monday to Saturday at NM09

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
29 Jan 2020 to 1 Feb 2020 & 3 Feb 2020 to 4 Feb 2020	Max	NA	NA	53	48	53	52	47
	Min	NA	NA	70	59	68	73	64
	Average / Overall	56	55	57	52	56	56	51

Table 26: Summary of Baseline Noise Monitoring Results for Sunday and Public Holiday at NM09

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
2 Feb 2020	Max	NA	NA	54	49	53	53	48
	Min	NA	NA	56	54	59	59	58
	Average / Overall	55	53	55	51	55	55	51

Table 27: Summary of Baseline Noise Monitoring Results for Monday to Saturday at NM12

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
13 Sep 2021 to 18 Sep 2021	Max	NA	NA	44	42	43	42	39
	Min	NA	NA	51	52	65	55	55
	Average / Overall	53	47	47	47	51	47	46

Table 28: Summary of Baseline Noise Monitoring Results for Sunday and Public Holiday at NM12

Monitoring period	$L_{Aeq(12hours)}$, dB	$L_{Aeq(1hour)}$, dB	$L_{Aeq(5mins)}$, dB

		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
19 Sep 2021	Max	NA	NA	52	46	43	43	44
	Min	NA	NA	55	48	74	56	50
	Average / Overall	62	50	53	47	53	52	47

Table 29: Summary of Baseline Noise Monitoring Results for Monday to Saturday at NM13

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
13 Sep 2021 to 18 Sep 2021	Max	NA	NA	47	42	46	41	41
	Min	NA	NA	56	53	59	59	59
	Average / Overall	57	49	50	46	50	50	46

Table 30: Summary of Baseline Noise Monitoring Results for Sunday and Public Holiday at NM13

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
19 Sep 2021	Max	NA	NA	59	51	45	47	49
	Min	NA	NA	62	57	78	64	58
	Average / Overall	57	49	60	54	56	59	53

Table 31: Summary of Baseline Noise Monitoring Results for Monday to Saturday at NM14

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
24 Sep 2021 to 25 Sep 2021 & 27 Sep 2021 to 30 Sep 2021	Max	NA	NA	45	45	38	42	44
	Min	NA	NA	52	68	69	57	73
	Average / Overall	52	51	49	50	50	49	49

Table 32: Summary of Baseline Noise Monitoring Results for Sunday and Public Holiday at NM14

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
26 Sep 2021	Max	NA	NA	45	45	41	41	44
	Min	NA	NA	56	59	61	63	63
	Average / Overall	49	52	50	50	47	48	49

Table 33: Summary of Baseline Noise Monitoring Results for Monday to Saturday at NM15

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
23 June 2022 to 26 June 2022 & 28 June 2022 to 29	Max	NA	NA	73	71	49	72	71
	Min	NA	NA	77	91	86	78	94
	Average / Overall	74	75	74	74	73	74	74

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
June 2022								

Table 34: Summary of Baseline Noise Monitoring Results for Sunday and Public Holiday at NM15

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
27 June 2022	Max	NA	NA	73	72	72	73	72
	Min	NA	NA	75	73	76	77	74
	Average / Overall	74	73	74	73	73	74	73

Table 35: Summary of Baseline Noise Monitoring Results for Monday to Saturday at NM01(S)

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
10 Sep 2021 to 13 Sep 2021 & 15 Sep 2921 to 16 Sep 2021	Max	NA	NA	49	48	46	47	44
	Min	NA	NA	54	53	60	59	56
	Average / Overall	53	50	51	50	52	51	50

Table 36: Summary of Baseline Noise Monitoring Results for Sunday and Public Holiday at NM01(S)

Monitoring period		$L_{Aeq(12hours)}$, Db		$L_{Aeq(1hour)}$, Db		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
14 Sep 2021	Max	NA	NA	51	48	48	48	47
	Min	NA	NA	51	51	59	54	52
	Average / Overall	53	50	51	51	53	51	51

Table 37: Summary of Baseline Noise Monitoring Results for Monday to Saturday at NM02(S)

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
18 Oct 2021 to 23 Oct 2021	Max	NA	NA	59	53	59	59	52
	Min	NA	NA	69	63	73	71	65
	Average / Overall	62	60	62	57	62	62	57

Table 38: Summary of Baseline Noise Monitoring Results for Sunday and Public Holiday at NM02(S)

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
24 Oct 2021	Max	NA	NA	60	52	58	60	50
	Min	NA	NA	65	60	67	68	62
	Average / Overall	60	59	62	56	60	62	55

Table 39: Summary of Baseline Noise Monitoring Results for Monday to Saturday at NM03(S)

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
18 Oct 2021 to 23 Oct 2021	Max	NA	NA	47	45	48	47	45
	Min	NA	NA	71	59	74	74	67
	Average / Overall	56	55	57	48	54	56	48

Table 40: Summary of Baseline Noise Monitoring Results for Sunday and Public Holiday at NM03(S)

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
24 Oct 2021	Max	NA	NA	47	46	47	47	46
	Min	NA	NA	47	50	60	48	54
	Average / Overall	53	47	47	47	52	47	47

Table 41: Summary of Baseline Noise Monitoring Results for Monday to Saturday at NM04(S)

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
24 Nov 2021 to 29 Nov 2021	Max	NA	NA	52	44	49	50	43
	Min	NA	NA	79	77	75	83	80
	Average / Overall	54	60	59	52	53	59	52

Table 42: Summary of Baseline Noise Monitoring Results for Sunday and Public Holiday at NM04(S)

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
30 Nov 2021	Max	NA	NA	58	45	51	56	42
	Min	NA	NA	78	61	57	81	63
	Average / Overall	53	68	67	51	53	65	51

Table 43: Summary of Baseline Noise Monitoring Results for Monday to Saturday at NM05(S)

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
10 Sep 2021 to 13 Sep 2021 & 15 Sep 2021 to 16 Sep 2021	Max	NA	NA	50	41	49	49	37
	Min	NA	NA	55	52	66	58	56
	Average / Overall	57	49	52	46	56	52	46

Table 44: Summary of Baseline Noise Monitoring Results for Sunday and Public Holiday at NM05(S)

Monitoring period		$L_{Aeq(12hours)}$, dB		$L_{Aeq(1hour)}$, dB		$L_{Aeq(5mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 7:00 am	7:00 pm – 10:00 pm	10:00 pm – 7:00 am	7:00 am – 7:00 pm	7:00 pm – 10:00 pm	10:00 pm – 7:00 am
14 Sep 2021	Max	NA	NA	51	42	51	49	41
	Min	NA	NA	53	53	63	55	55
	Average / Overall	57	49	52	50	56	52	50

1.4 Baseline Airborne Noise Monitoring Data (Operation)

The daily baseline airborne noise monitoring results for from NM05 to NM15, and NM01(S) to NM05(S) for 7:00 am – 7:00 pm, 7:00 pm – 11:00 pm and 11:00 pm – 7:00 am are listed in this section. The time period that will be used for the airborne noise impact assessments for Operation Phases is 7:00 am – 7:00 am Monday to Sunday. The recorded background levels in Table 45 to Table 58 are used to calculate the "adjusted maximum permissible noise level" in line with the directions given in the applicable legislation for the operational airborne noise impact assessment.

Table 45 NM05- baseline noise monitoring results

Monitoring period		$L_{Aeq(15mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 11:00 pm	11:00 pm – 7:00 am
24 Feb 2020	Max	NA	45	38
	Min	NA	66	55
	Average / Overall	NA	51	43
25 Feb 2020	Max	50	44	39
	Min	67	66	56
	Average / Overall	55	52	43
26 Feb 2020	Max	51	44	38
	Min	66	56	56
	Average / Overall	55	50	42
27 Feb 2020	Max	50	44	38
	Min	58	53	58
	Average / Overall	53	49	43
28 Feb 2020	Max	51	46	40
	Min	66	54	51
	Average / Overall	55	50	44
29 Feb 2020	Max	49	44	38
	Min	59	52	51
	Average / Overall	52	48	43
01 Mar 2020	Max	47	44	40
	Min	61	51	56
	Average / Overall	51	47	44

Table 46 NM06- baseline noise monitoring results

Monitoring period		$L_{Aeq(15mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 11:00 pm	11:00 pm – 7:00 am
24 Feb 2020	Max	NA	57	50
	Min	NA	66	60
	Average / Overall	NA	59	54
25 Feb 2020	Max	59	58	51
	Min	67	67	59
	Average / Overall	61	60	54
26 Feb 2020	Max	59	58	50
	Min	71	61	59
	Average / Overall	61	59	54
27 Feb 2020	Max	58	58	51
	Min	62	59	59
	Average / Overall	60	59	54
28 Feb 2020	Max	58	58	53
	Min	71	59	59
	Average / Overall	61	59	56
29 Feb 2020	Max	57	58	52
	Min	61	59	58
	Average / Overall	59	59	55
01 Mar 2020	Max	55	57	49
	Min	60	59	60
	Average / Overall	59	58	53

Table 47 NM07- baseline noise monitoring results

Monitoring period		$L_{Aeq(15mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 11:00 pm	11:00 pm – 7:00 am
29 Jan 2020	Max	NA	59	52
	Min	NA	64	62
	Average / Overall	NA	61	56
30 Jan 2020	Max	59	58	50
	Min	64	63	60
	Average / Overall	61	59	54
31 Jan 2020	Max	59	58	52
	Min	63	60	59
	Average / Overall	60	59	55
01 Feb 2020	Max	58	58	52
	Min	61	67	58
	Average / Overall	60	59	54
02 Feb 2020	Max	56	57	49
	Min	60	59	60
	Average / Overall	59	58	53
03 Feb 2020	Max	58	57	50
	Min	66	59	60
	Average / Overall	60	59	54
04 Feb 2020	Max	58	57	50
	Min	69	61	60
	Average / Overall	60	59	53

Table 48 NM08- baseline noise monitoring results

Monitoring period		$L_{Aeq(15mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 11:00 pm	11:00 pm – 7:00 am
24 Feb 2020	Max	NA	52	37
	Min	NA	65	52
	Average / Overall	NA	53	41
25 Feb 2020	Max	46	41	38
	Min	65	66	47
	Average / Overall	53	51	39
26 Feb 2020	Max	44	39	36
	Min	66	54	53
	Average / Overall	51	45	40
27 Feb 2020	Max	44	39	36
	Min	57	57	44
	Average / Overall	51	45	38
28 Feb 2020	Max	46	40	37
	Min	65	54	42
	Average / Overall	53	52	38
29 Feb 2020	Max	44	39	38
	Min	55	45	44
	Average / Overall	51	41	39
01 Mar 2020	Max	44	39	37
	Min	54	46	44
	Average / Overall	48	41	38

Table 49 NM09- baseline noise monitoring results

Monitoring period		$L_{Aeq(15mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 11:00 pm	11:00 pm – 7:00 am
29 Jan 2020	Max	NA	54	49
	Min	NA	71	61
	Average / Overall	NA	61	53
30 Jan 2020	Max	55	54	49
	Min	64	72	55
	Average / Overall	57	61	51
31 Jan 2020	Max	55	53	49
	Min	62	56	56
	Average / Overall	56	54	51
01 Feb 2020	Max	54	53	49
	Min	57	56	54
	Average / Overall	55	54	51
02 Feb 2020	Max	54	53	48
	Min	57	58	56
	Average / Overall	55	54	51
03 Feb 2020	Max	53	53	48
	Min	65	56	55
	Average / Overall	56	53	50
04 Feb 2020	Max	54	53	47
	Min	64	54	56
	Average / Overall	57	53	50

Table 50 NM12- baseline noise monitoring results

Monitoring period		$L_{Aeq(15mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 11:00 pm	11:00 pm – 7:00 am
13 Sep 2021	Max	NA	44	40
	Min	NA	50	54
	Average / Overall	NA	46	46
14 Sep 2021	Max	45	44	43
	Min	62	51	52
	Average / Overall	52	48	45
15 Sep 2021	Max	46	45	40
	Min	61	53	53
	Average / Overall	52	49	46
16 Sep 2021	Max	45	44	41
	Min	64	48	49
	Average / Overall	52	46	45
17 Sep 2021	Max	45	43	42
	Min	56	48	53
	Average / Overall	51	46	46
18 Sep 2021	Max	46	43	40
	Min	58	49	53
	Average / Overall	51	46	47
19 Sep 2021	Max	44	44	44
	Min	73	56	49
	Average / Overall	54	51	47

Table 51 NM13- baseline noise monitoring results

Monitoring period		$L_{Aeq(15mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 11:00 pm	11:00 pm – 7:00 am
13 Sep 2021	Max	NA	46	42
	Min	NA	59	54
	Average / Overall	NA	50	44
14 Sep 2021	Max	48	48	42
	Min	57	53	53
	Average / Overall	52	52	46
15 Sep 2021	Max	46	47	42
	Min	58	53	51
	Average / Overall	52	50	45
16 Sep 2021	Max	47	45	42
	Min	56	51	50
	Average / Overall	51	49	45
17 Sep 2021	Max	48	47	43
	Min	58	52	52
	Average / Overall	53	49	45
18 Sep 2021	Max	47	46	42
	Min	58	52	58
	Average / Overall	51	47	45
19 Sep 2021	Max	45	49	50
	Min	77	63	57
	Average / Overall	57	59	53

Table 52 NM14- baseline noise monitoring results

Monitoring period		$L_{Aeq(15mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 11:00 pm	11:00 pm – 7:00 am
24 Sep 2021	Max	NA	43	45
	Min	NA	50	50
	Average / Overall	NA	48	48
25 Sep 2021	Max	43	44	45
	Min	52	52	51
	Average / Overall	47	48	49
26 Sep 2021	Max	43	42	45
	Min	58	59	61
	Average / Overall	47	49	49
27 Sep 2021	Max	46	49	45
	Min	67	53	54
	Average / Overall	53	50	48
28 Sep 2021	Max	45	46	44
	Min	62	53	50
	Average / Overall	51	50	47
29 Sep 2021	Max	43	45	47
	Min	55	52	71
	Average / Overall	48	49	55
30 Sep 2021	Max	46	46	46
	Min	63	53	54
	Average / Overall	52	51	49

Table 53 NM15- baseline noise monitoring results

Monitoring period		$L_{Aeq(15mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 11:00 pm	11:00 pm – 7:00 am
23 Jun 2022	Max	NA	72	71
	Min	NA	75	73
	Average / Overall	NA	73	72
24 Jun 2022	Max	52	75	72
	Min	81	77	75
	Average / Overall	72	76	74
25 Jun 2022	Max	72	73	72
	Min	74	74	73
	Average / Overall	73	73	72
26 Jun 2022	Max	72	73	72
	Min	76	75	73
	Average / Overall	73	73	73
27 Jun 2022	Max	72	74	73
	Min	81	75	74
	Average / Overall	74	74	73
28 Jun 2022	Max	72	73	72
	Min	79	75	93
	Average / Overall	74	74	77
29 Jun 2022	Max	72	73	72
	Min	76	75	74
	Average / Overall	74	74	73

Table 54 NM01(S)- baseline noise monitoring results

Monitoring period		$L_{Aeq(15mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 11:00 pm	11:00 pm – 7:00 am
10 Sep 2021	Max	NA	49	48
	Min	NA	53	54
	Average / Overall	NA	51	50
11 Sep 2021	Max	49	49	47
	Min	56	56	53
	Average / Overall	53	52	50
12 Sep 2021	Max	49	49	46
	Min	56	52	51
	Average / Overall	53	51	49
13 Sep 2021	Max	48	49	46
	Min	58	51	50
	Average / Overall	52	50	48
14 Sep 2021	Max	49	49	47
	Min	57	52	51
	Average / Overall	53	51	49
15 Sep 2021	Max	51	50	48
	Min	56	55	53
	Average / Overall	53	52	49
16 Sep 2021	Max	50	49	49
	Min	57	52	52
	Average / Overall	53	51	50

Table 55 NM02(S)- baseline noise monitoring results

Monitoring period		$L_{Aeq(15mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 11:00 pm	11:00 pm – 7:00 am
10 Sep 2021	Max	NA	59	52
	Min	NA	65	61
	Average / Overall	NA	61	55
11 Sep 2021	Max	59	58	52
	Min	62	63	61
	Average / Overall	61	60	55
12 Sep 2021	Max	61	60	54
	Min	71	68	64
	Average / Overall	62	63	59
13 Sep 2021	Max	60	57	53
	Min	65	64	62
	Average / Overall	62	60	55
14 Sep 2021	Max	60	59	53
	Min	62	64	59
	Average / Overall	61	60	56
15 Sep 2021	Max	59	60	54
	Min	68	66	60
	Average / Overall	62	63	57
16 Sep 2021	Max	58	59	51
	Min	64	68	62
	Average / Overall	60	61	55

Table 56 NM03(S)- baseline noise monitoring results

Monitoring period		$L_{Aeq(15mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 11:00 pm	11:00 pm – 7:00 am
18 Oct 2021	Max	NA	47	45
	Min	NA	63	51
	Average / Overall	NA	56	46
19 Oct 2021	Max	48	46	45
	Min	60	52	51
	Average / Overall	55	48	46
20 Oct 2021	Max	48	51	48
	Min	70	74	52
	Average / Overall	58	62	49
21 Oct 2021	Max	49	47	46
	Min	61	63	51
	Average / Overall	53	50	47
22 Oct 2021	Max	50	47	46
	Min	58	48	52
	Average / Overall	53	48	47
23 Oct 2021	Max	50	49	47
	Min	67	74	52
	Average / Overall	54	62	48
24 Oct 2021	Max	48	47	46
	Min	57	47	52
	Average / Overall	53	47	47

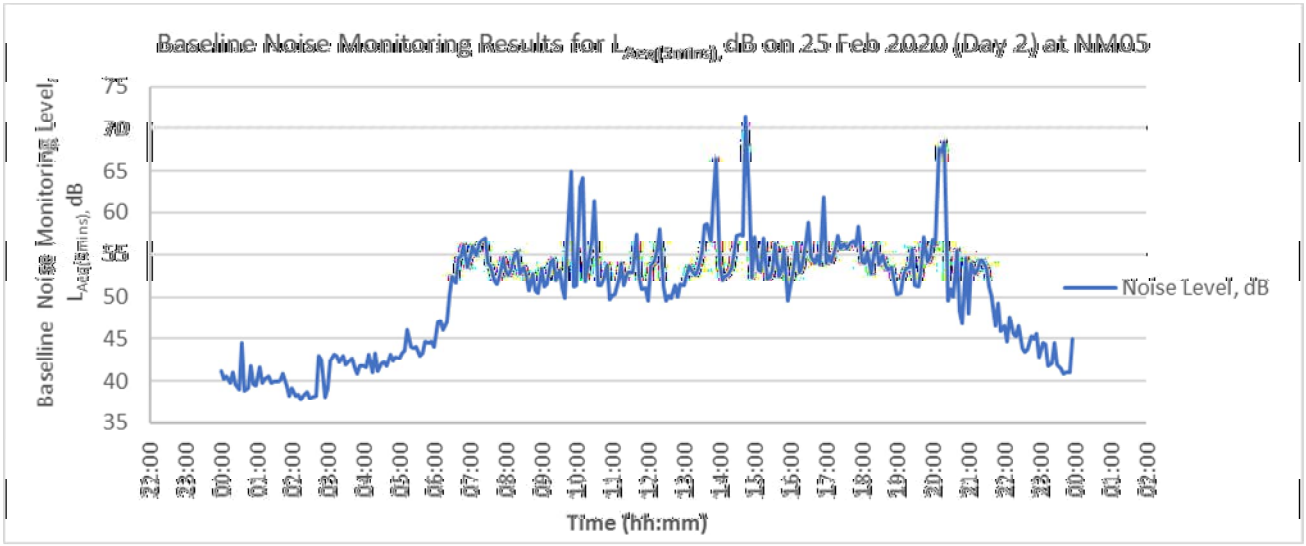
Table 57 NM04(S)- baseline noise monitoring results

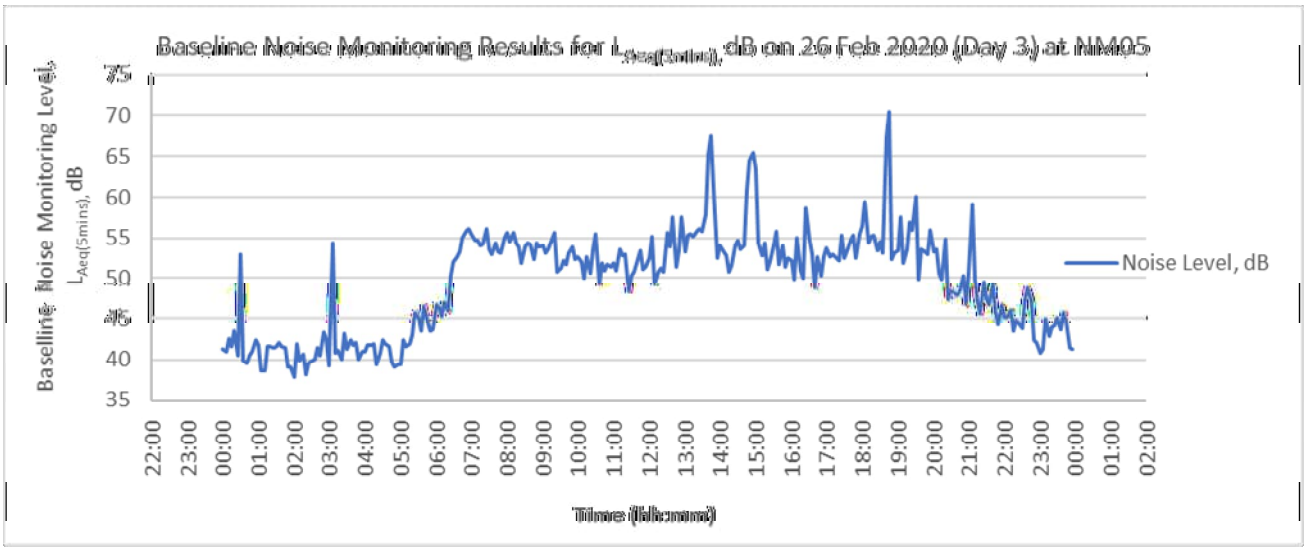
Monitoring period		$L_{Aeq(15mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 11:00 pm	11:00 pm – 7:00 am
24 Nov 2021	Max	NA	59	48
	Min	NA	82	63
	Average / Overall	NA	68	51
25 Nov 2021	Max	54	53	46
	Min	57	81	55
	Average / Overall	55	62	49
26 Nov 2021	Max	53	52	47
	Min	55	54	52
	Average / Overall	54	53	49
27 Nov 2021	Max	52	58	48
	Min	72	79	78
	Average / Overall	54	68	61
28 Nov 2021	Max	51	57	44
	Min	55	81	61
	Average / Overall	53	64	48
29 Nov 2021	Max	51	51	44
	Min	54	53	53
	Average / Overall	52	52	47
30 Nov 2021	Max	51	52	44
	Min	54	54	56
	Average / Overall	52	53	48

Table 58 NM05(S)- baseline noise monitoring results

Monitoring period		$L_{Aeq(15mins)}$, dB		
		7:00 am – 7:00 pm	7:00 pm – 11:00 pm	11:00 pm – 7:00 am
10 Sep 2021	Max	NA	50	42
	Min	NA	57	51
	Average / Overall	NA	53	46
11 Sep 2021	Max	52	49	40
	Min	64	53	51
	Average / Overall	57	51	45
12 Sep 2021	Max	49	48	41
	Min	63	53	54
	Average / Overall	57	50	45
13 Sep 2021	Max	53	44	39
	Min	62	52	55
	Average / Overall	55	50	44
14 Sep 2021	Max	53	49	41
	Min	63	53	55
	Average / Overall	57	51	45
15 Sep 2021	Max	53	48	41
	Min	62	55	53
	Average / Overall	56	51	45
16 Sep 2021	Max	53	48	44
	Min	63	53	55
	Average / Overall	56	50	46

Annex A


Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
75
70
65
60
55
50
45
40
35
22:00
23:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Time (hh:mm)
Noise Level, dB


Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
75
70
65
60
55
50
45
40
35
22:00
23:00
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01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
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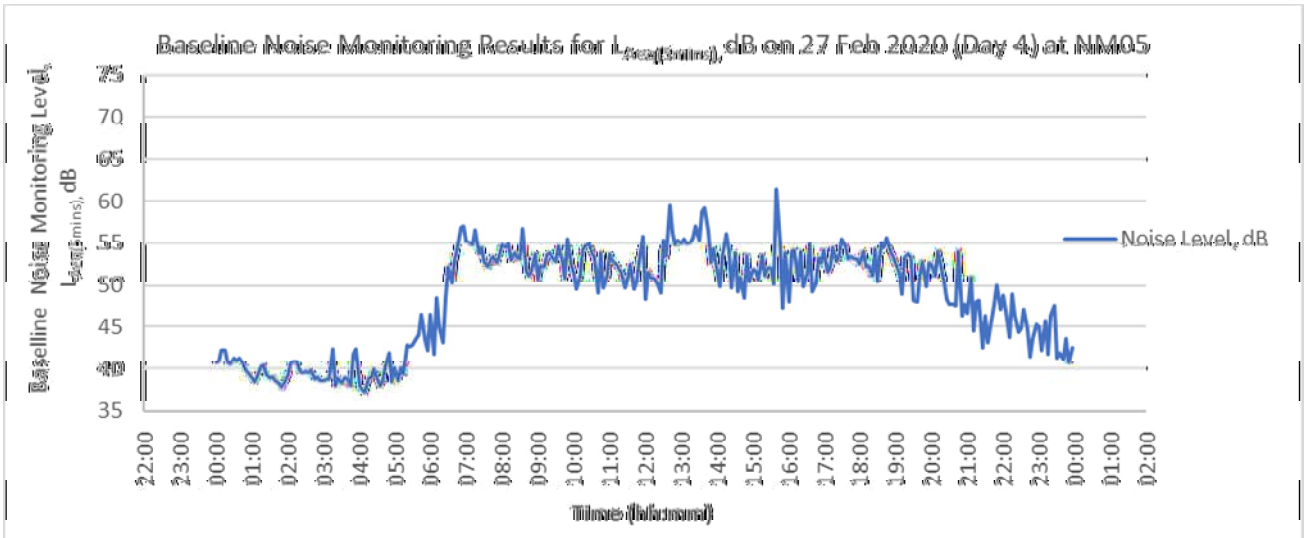
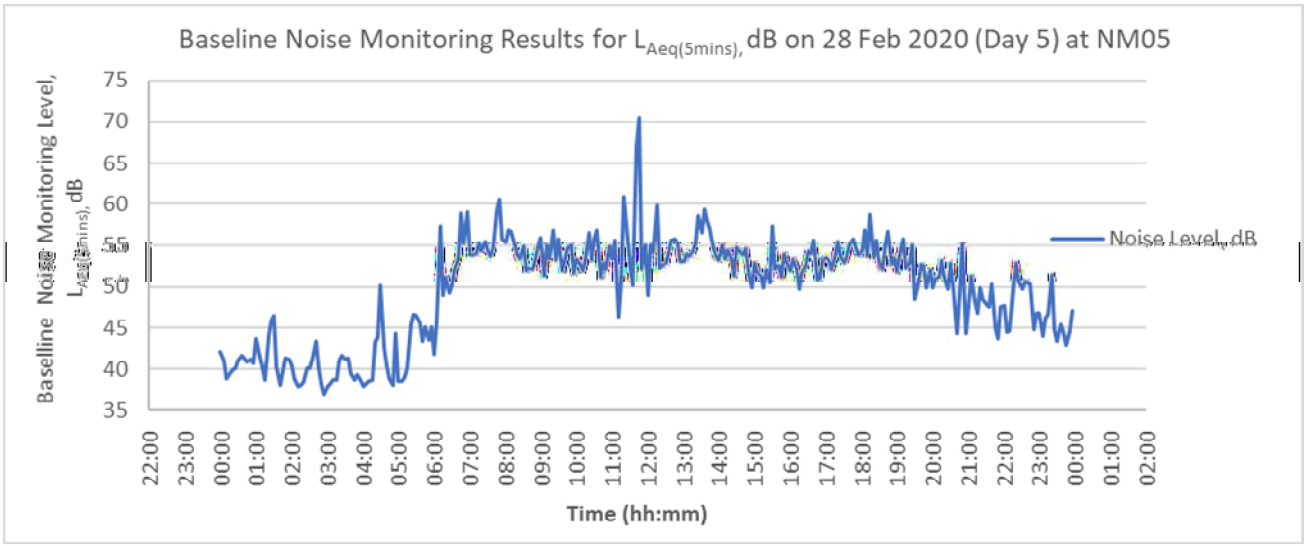
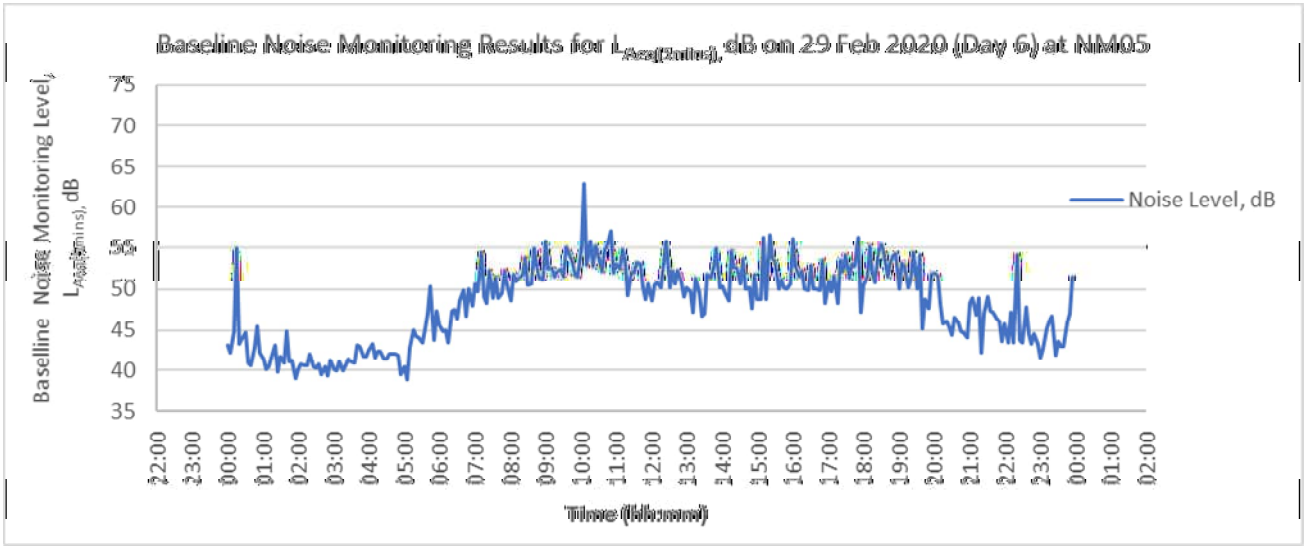
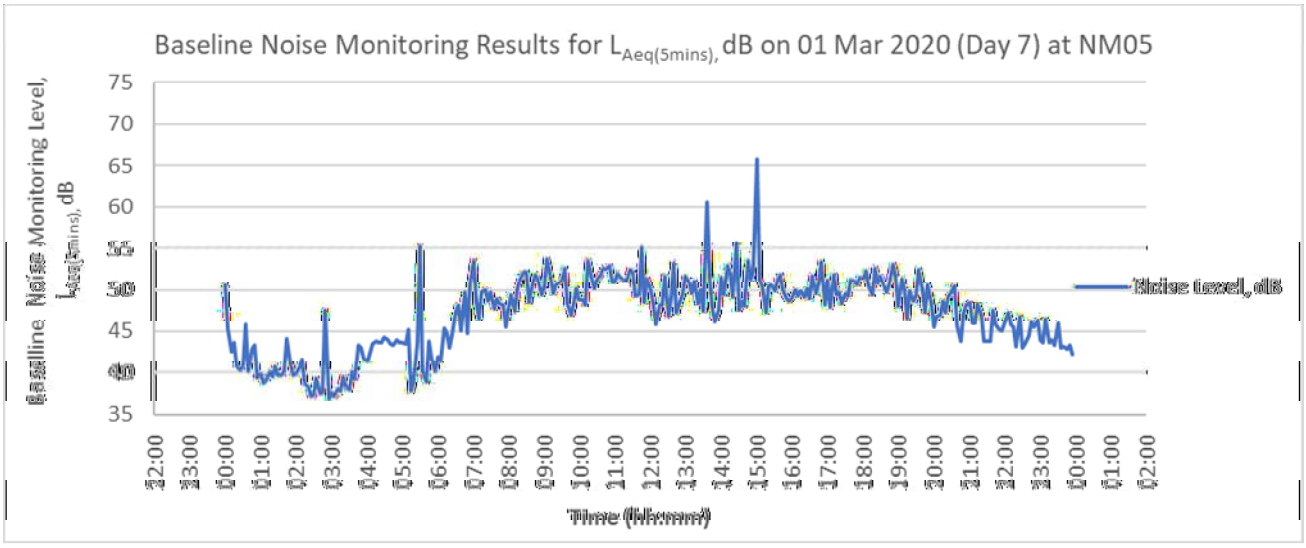
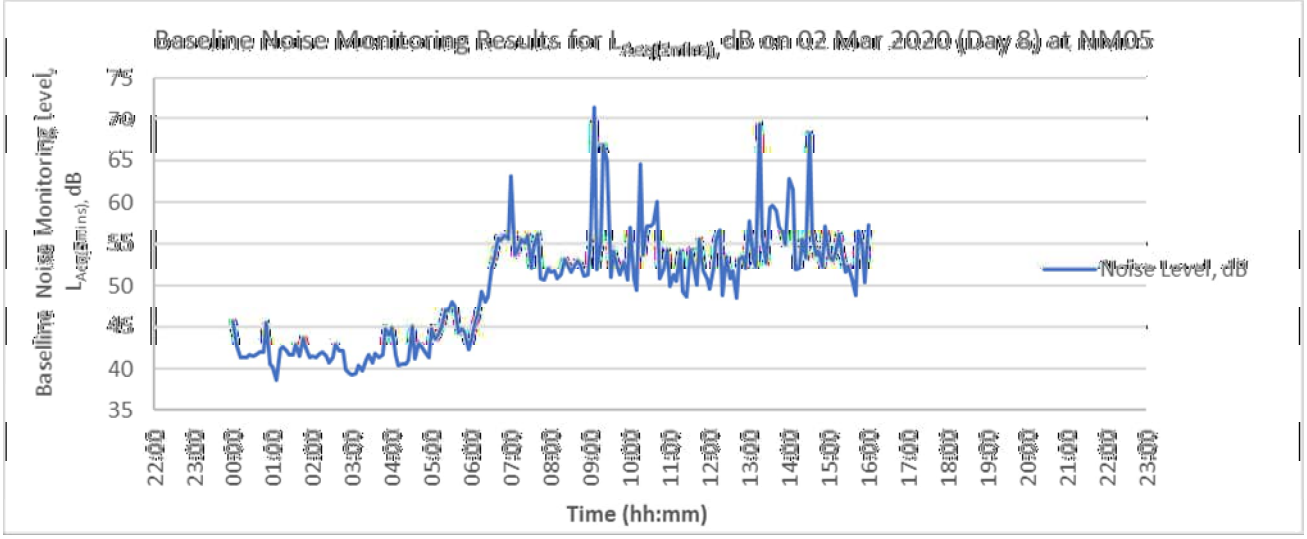
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Noise Level, dB

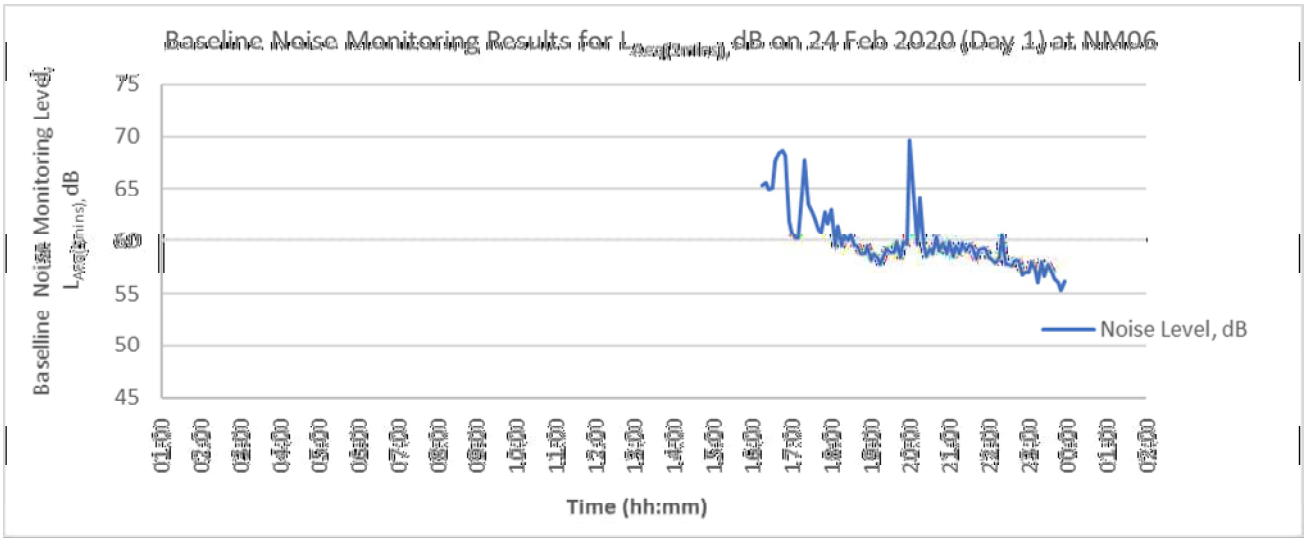

Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
75
70
65
60
55
50
45
40
35
22:00
23:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Noise Level, dB

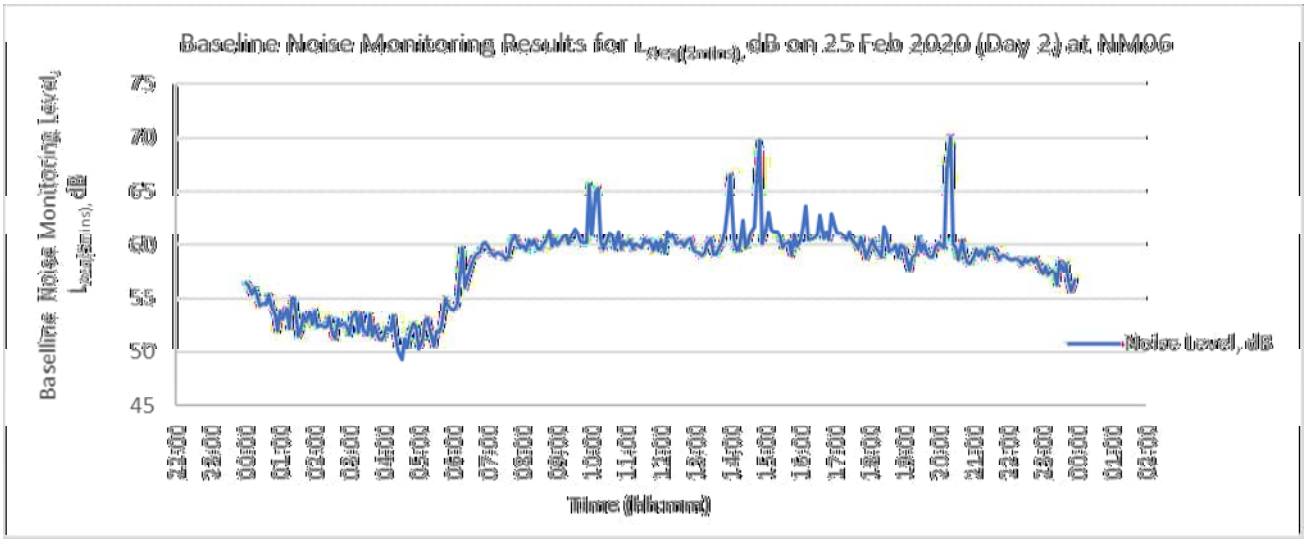

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 28 Feb 2020 (Day 5) at NM05
Baselline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
75
70
65
60
55
50
45
40
35
22:00
23:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Time (hh:mm)
Noise Level, dB

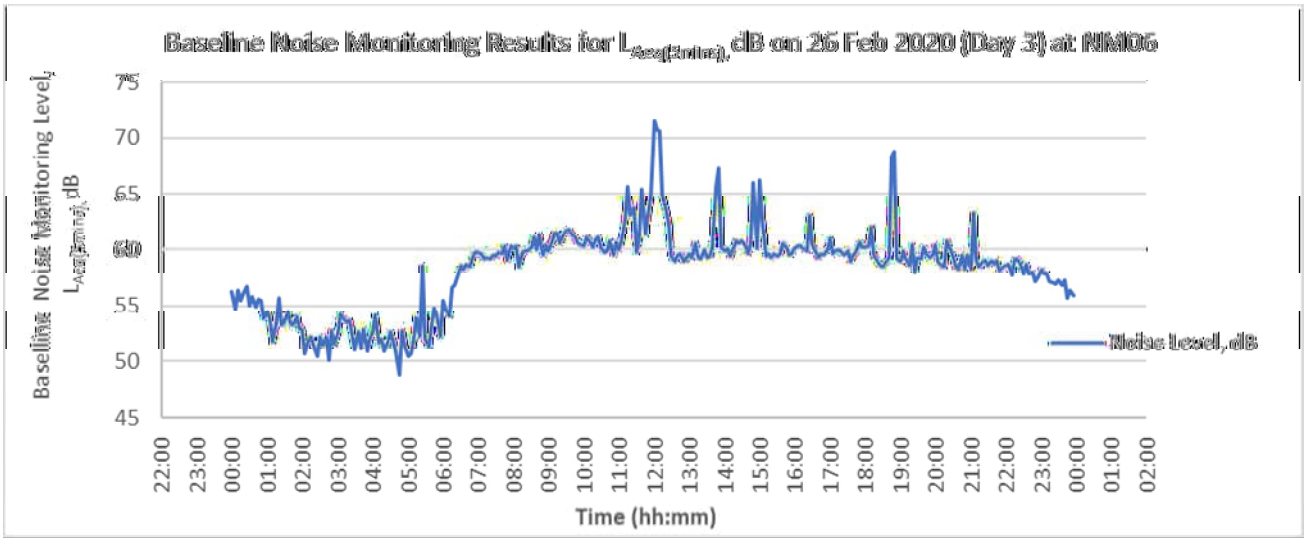

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 29 Feb 2020 (Day 6) at NM05
Baselline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
75
70
65
60
55
50
45
40
35
22:00
23:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Time (hh:mm)
Noise Level, dB

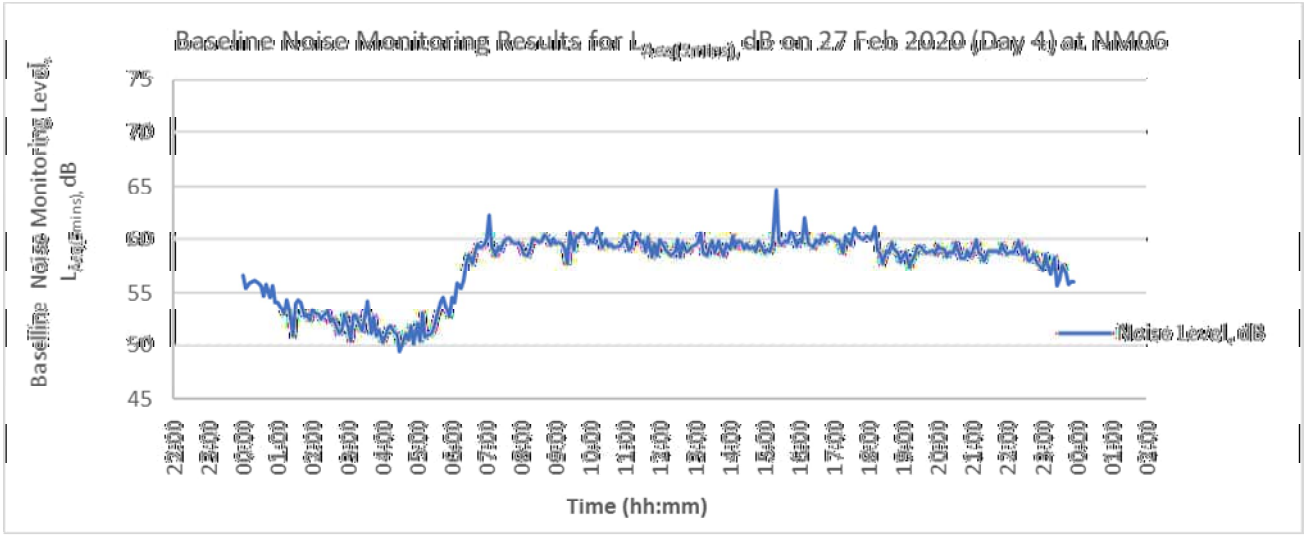

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 01 Mar 2020 (Day 7) at NM05
Baselline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
75
70
65
60
55
50
45
40
35
22:00
23:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Time (hh:mm)
Noise Level, dB

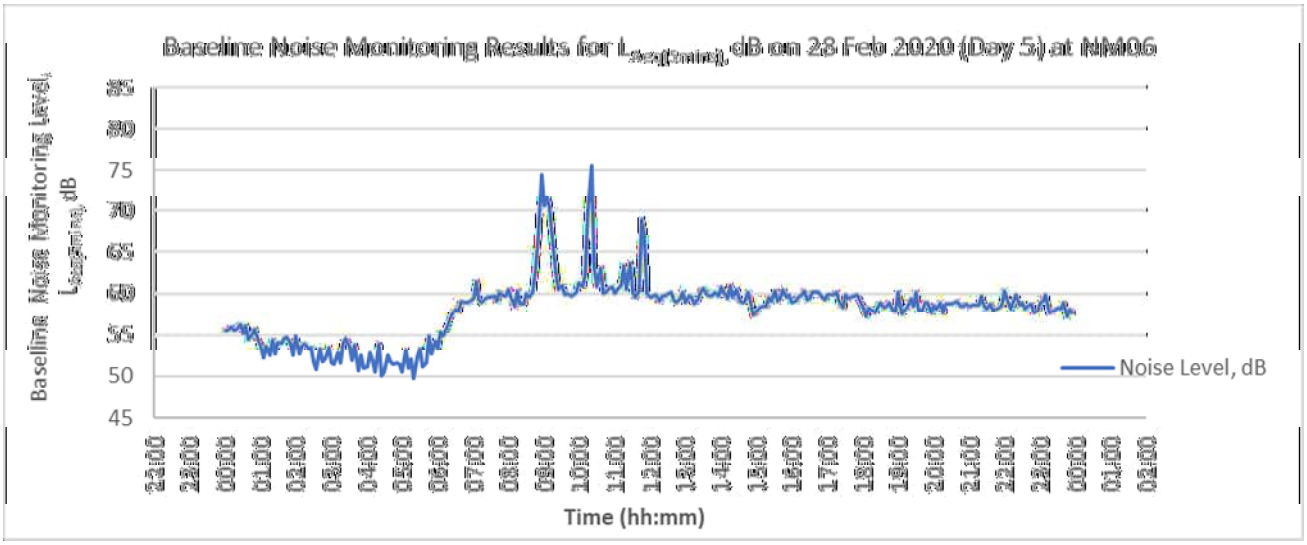

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 02 Mar 2020 (Day 8) at NM05
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
75
70
65
60
55
50
45
40
35
22:00
23:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
Time (hh:mm)
Noise Level, dB

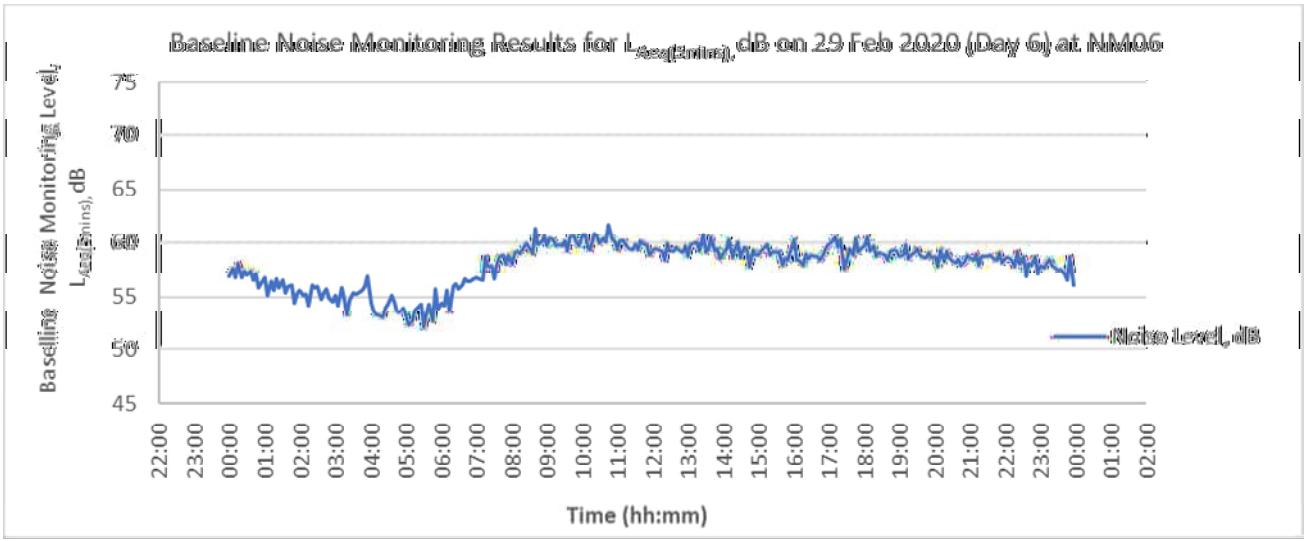

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 24 Feb 2020 (Day 1) at NM06
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
75
70
65
60
55
50
45
Noise Level, dB
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Time (hh:mm)

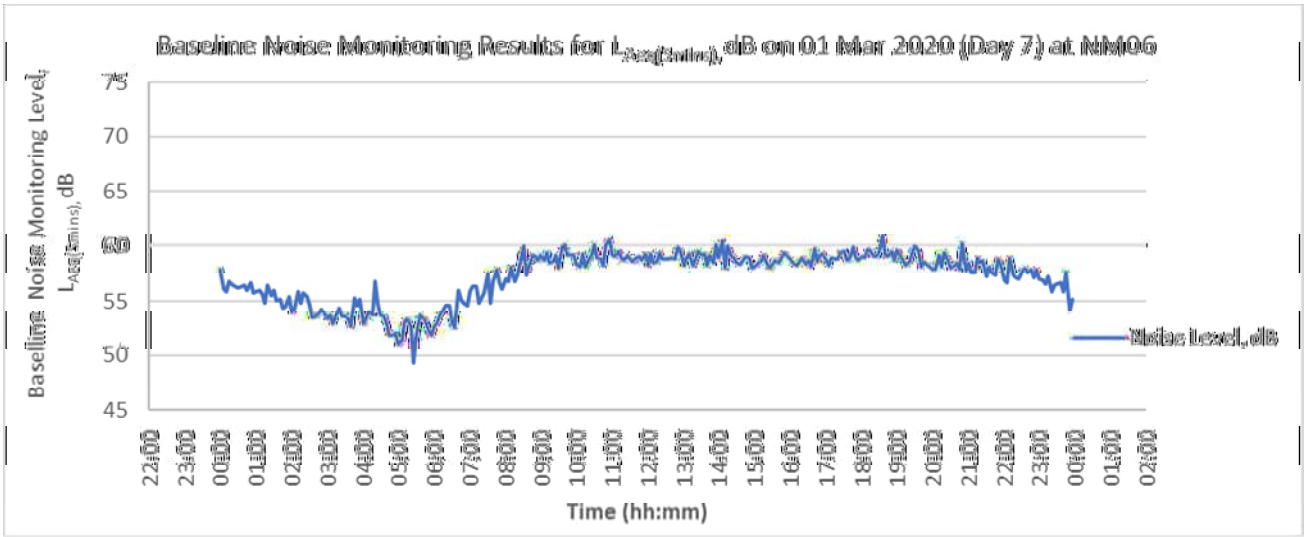

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 25 Feb 2020 (Day 2) at NM06
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
75
70
65
60
55
50
45
Noise Level, dB
22:00
23:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Time (hh:mm)

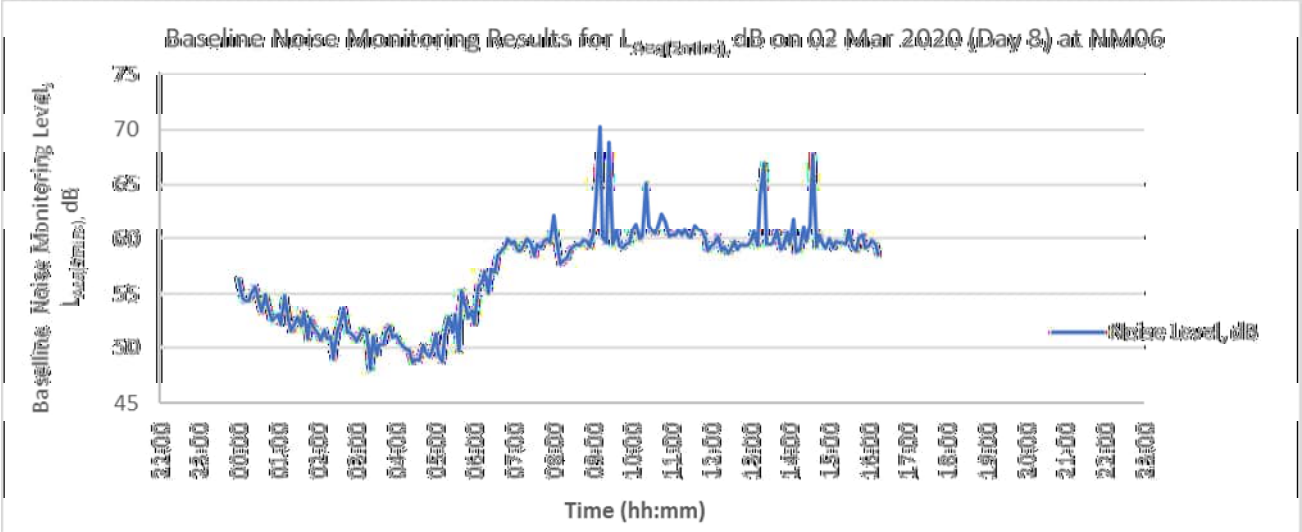

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 26 Feb 2020 (Day 3) at NM06
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
75
70
65
60
55
50
45
Noise Level, dB
22:00
23:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Time (hh:mm)

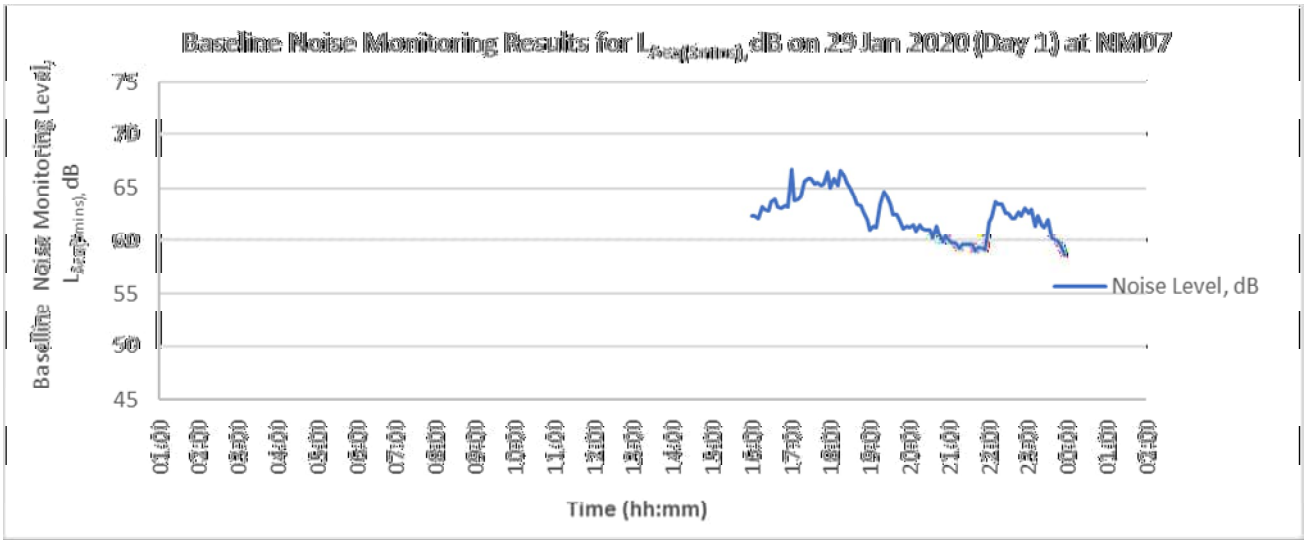

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 27 Feb 2020 (Day 4) at NM06
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
75
70
65
60
55
50
45
22:00
23:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Noise Level, dB
Time (hh:mm)

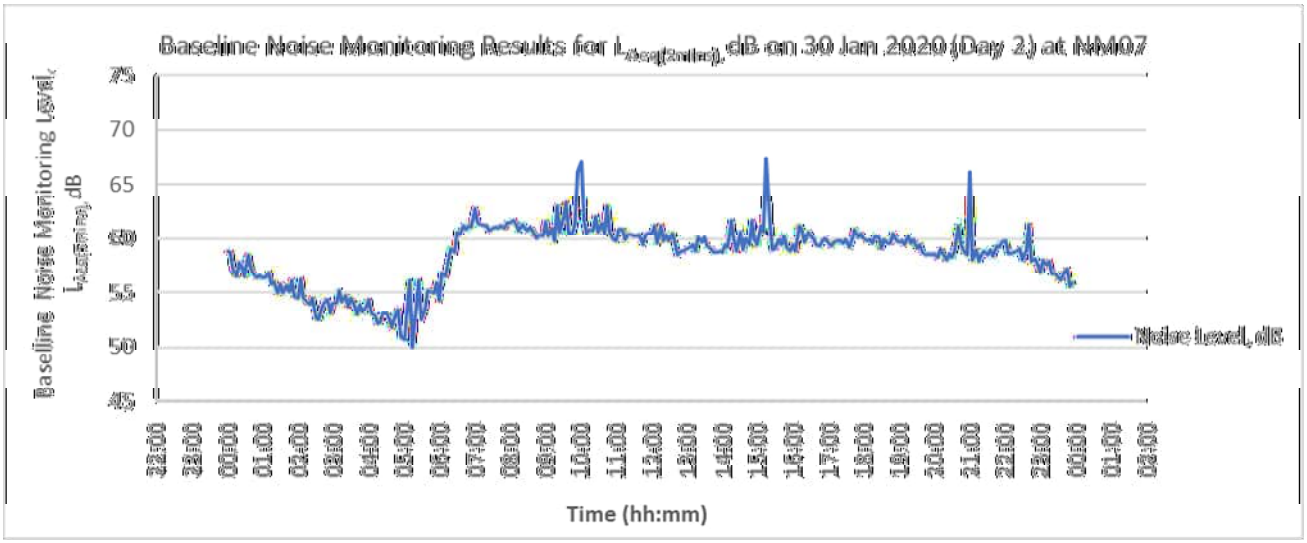

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 28 Feb 2020 (Day 5) at NM06
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
80
75
70
65
60
55
50
45
22:00
23:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Noise Level, dB
Time (hh:mm)

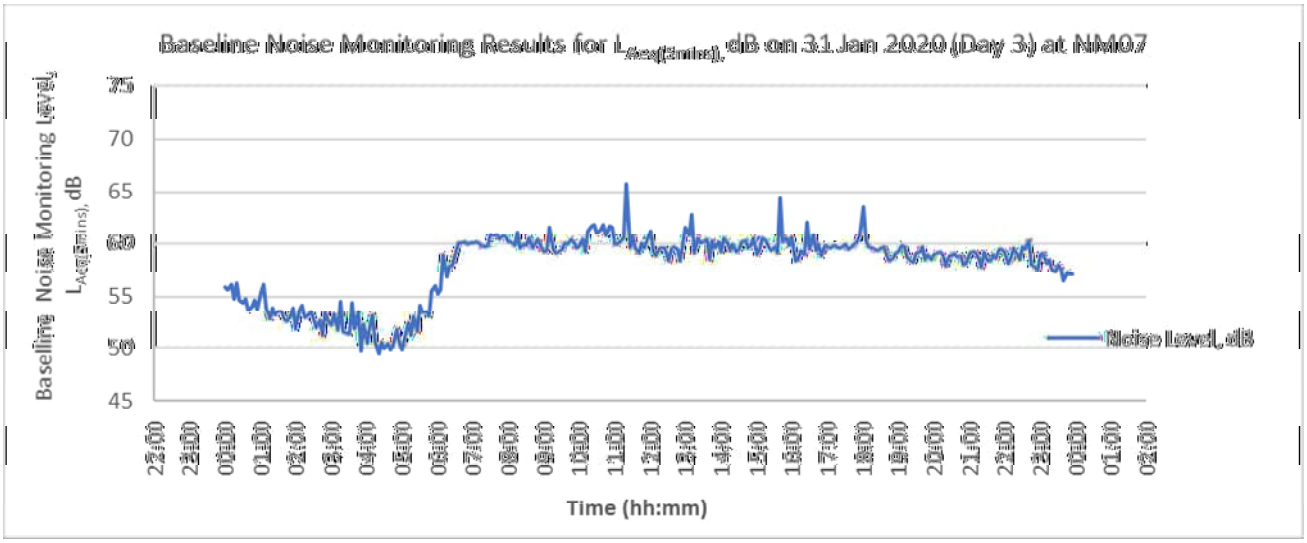

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 29 Feb 2020 (Day 6) at NM06
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
75
70
65
60
55
50
45
22:00
23:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Noise Level, dB
Time (hh:mm)

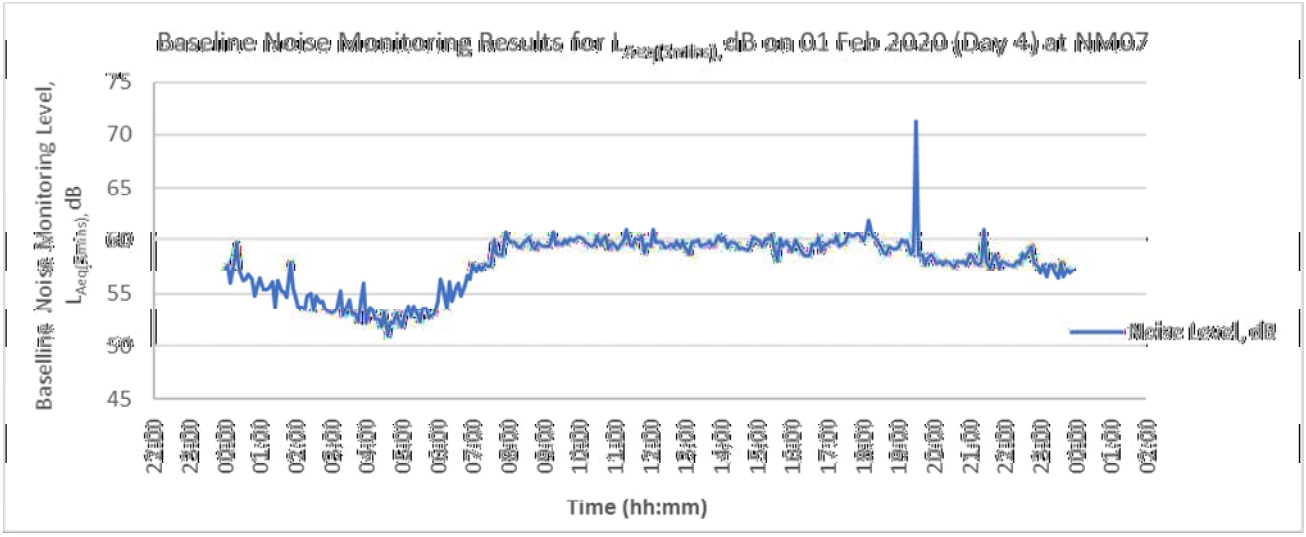

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 01 Mar 2020 (Day 7) at NM06
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
75
70
65
60
55
50
45
22:00
23:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Noise Level, dB
Time (hh:mm)

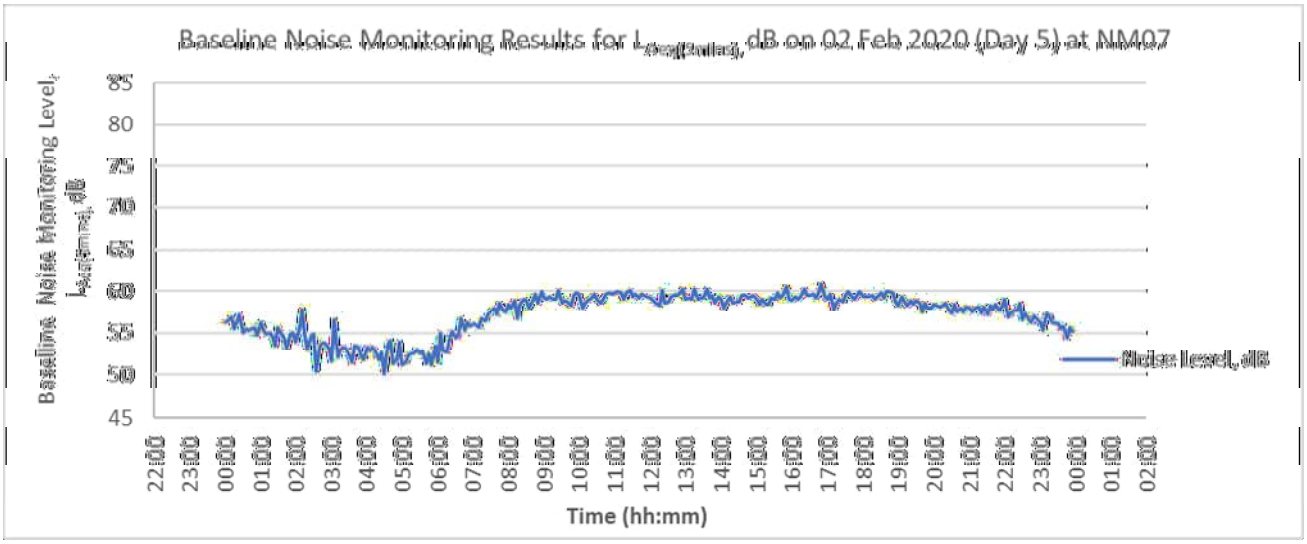

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 02 Mar 2020 (Day 8) at NM06
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
75
70
65
60
55
50
45
11:00
12:00
00:00
01:00
03:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
Noise Level, dB
Time (hh:mm)

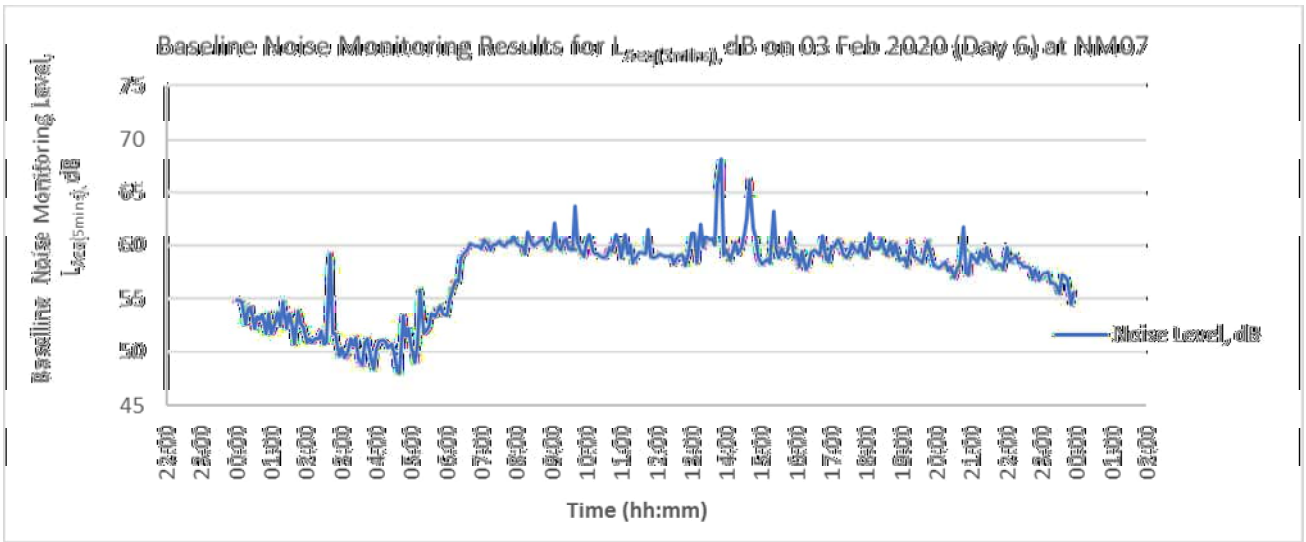

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 29 Jan 2020 (Day 1) at NM07
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
75
70
65
60
55
50
45
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Noise Level, dB
Time (hh:mm)

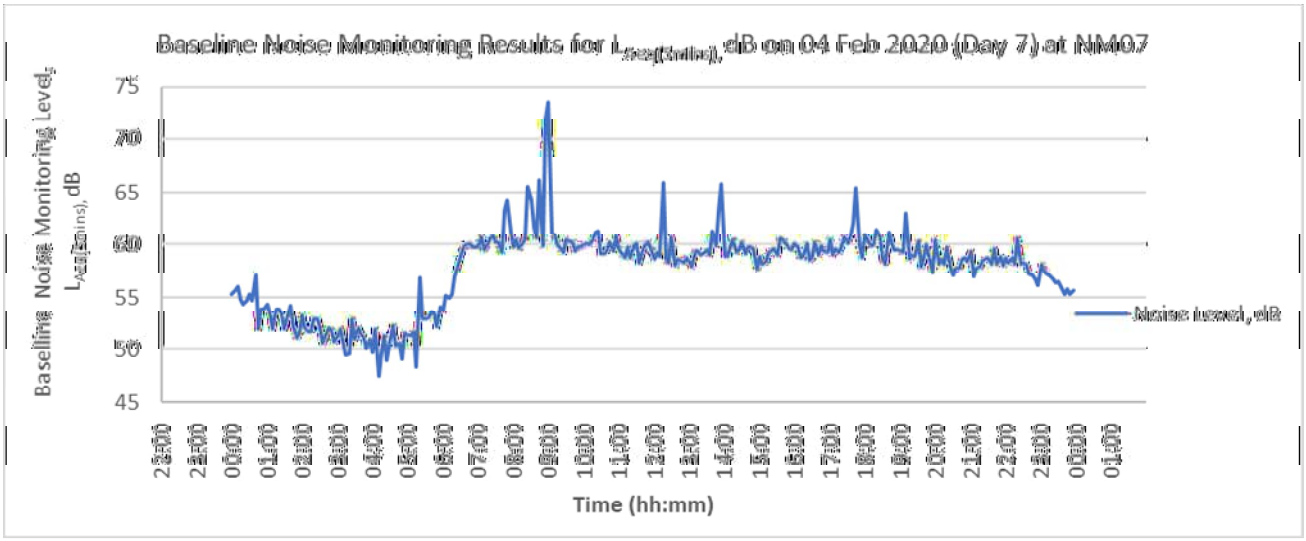

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 30 Jan 2020 (Day 2) at NM07
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
75
70
65
60
55
50
45
22:00
23:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Noise Level, dB
Time (hh:mm)

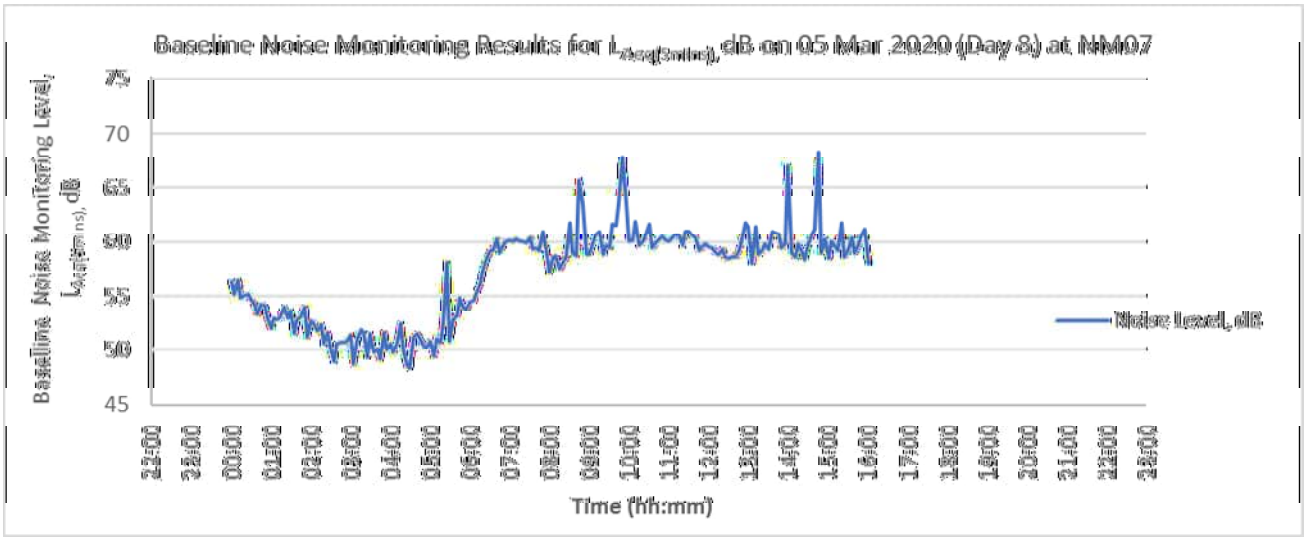

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 31 Jan 2020 (Day 3) at NM07
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
75
70
65
60
55
50
45
22:00
23:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Noise Level, dB
Time (hh:mm)

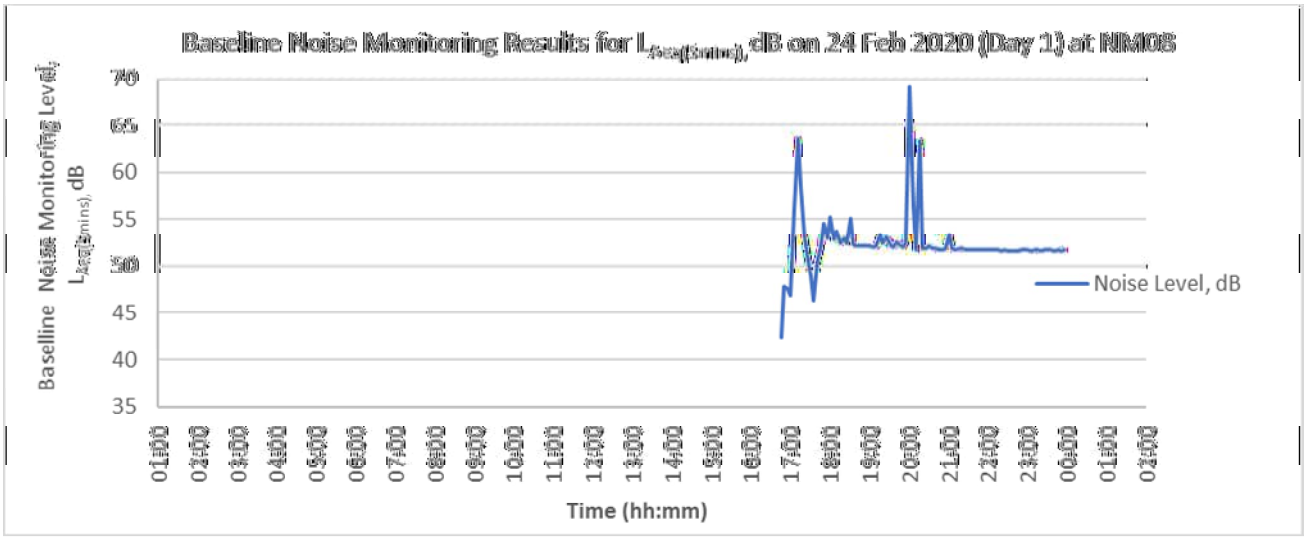

Baseline Noise Monitoring Results for $L_{eq(5mins)}$, dB on 01 Feb 2020 (Day 4) at NM07
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
Noise Level, dB
Time (hh:mm)

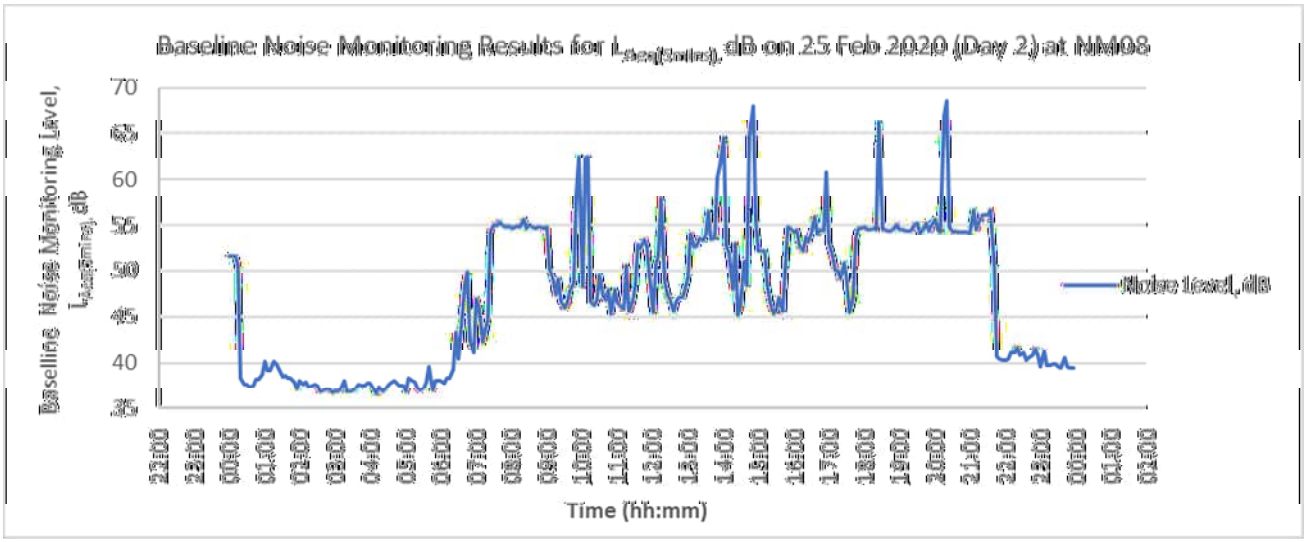

Baseline Noise Monitoring Results for $L_{eq(5mins)}$, dB on 02 Feb 2020 (Day 5) at NM07
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
Noise Level, dB
Time (hh:mm)

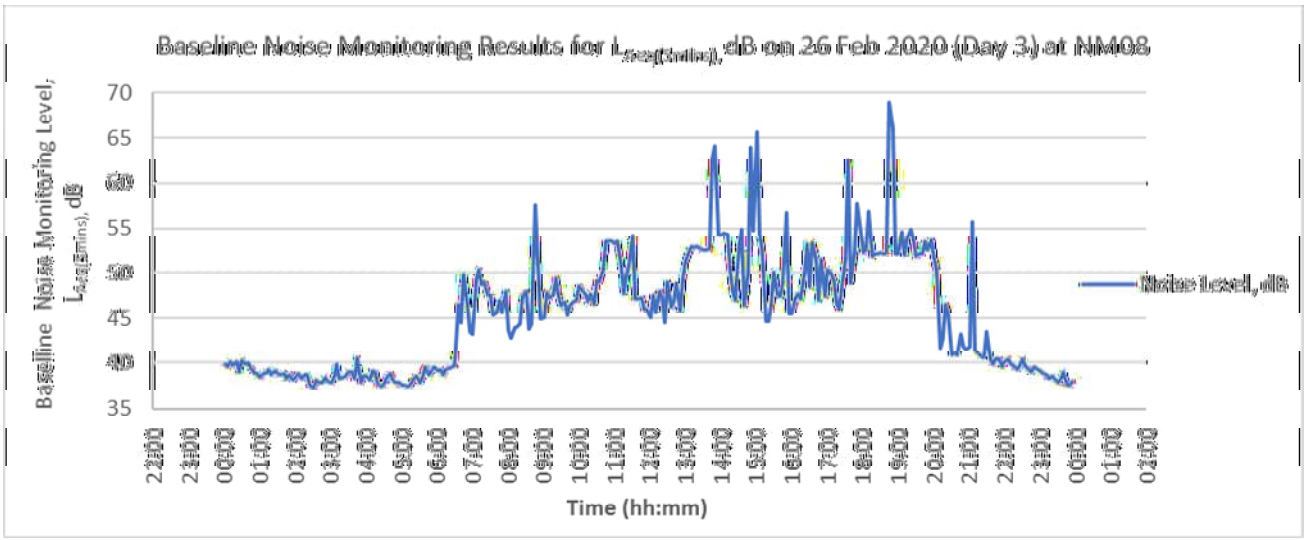

Baseline Noise Monitoring Results for $L_{eq(5mins)}$, dB on 03 Feb 2020 (Day 6) at NM07
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
Noise Level, dB
Time (hh:mm)

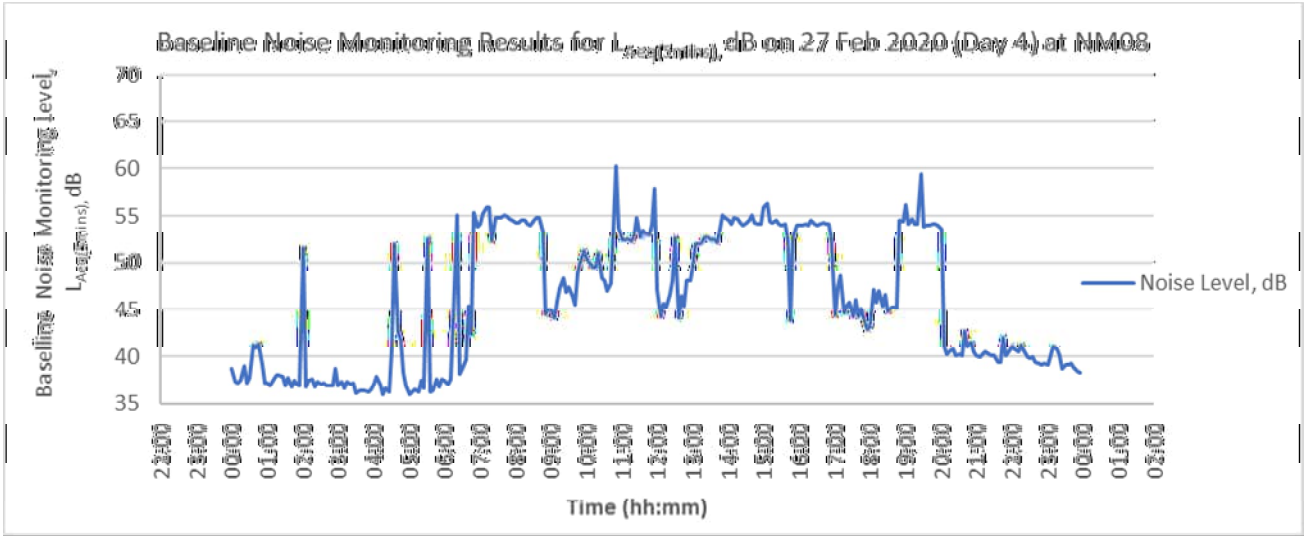

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 04 Feb 2020 (Day 7) at NM07
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
75
70
65
60
55
50
45
Noise level, dB
Time (hh:mm)

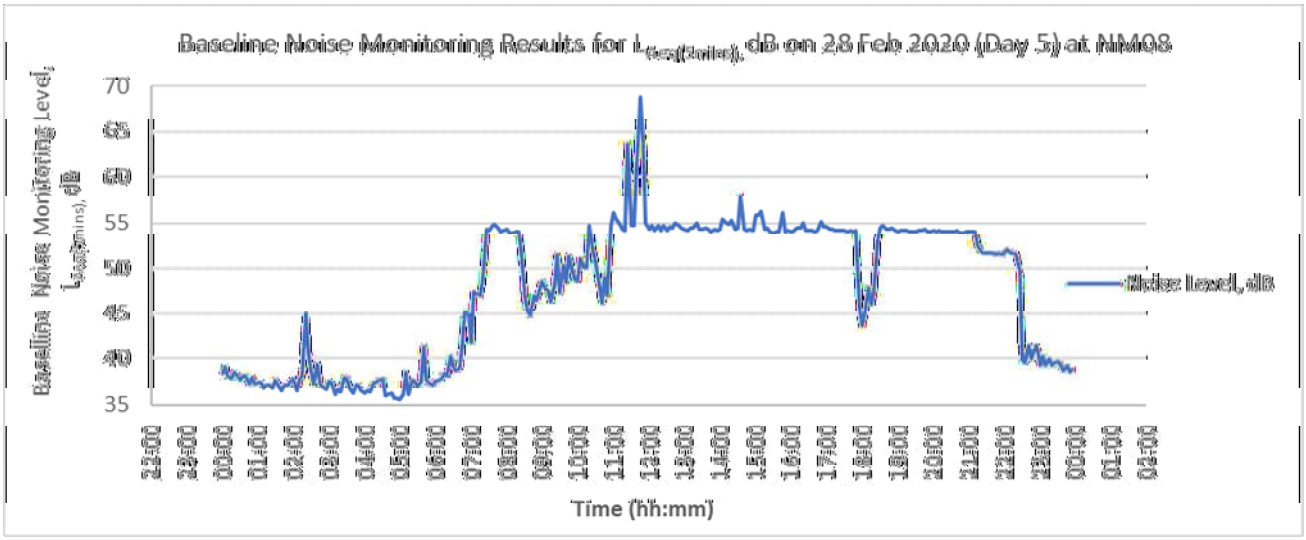

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 05 Mar 2020 (Day 8) at NM07
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
70
65
60
55
50
45
Noise level, dB
Time (hh:mm)

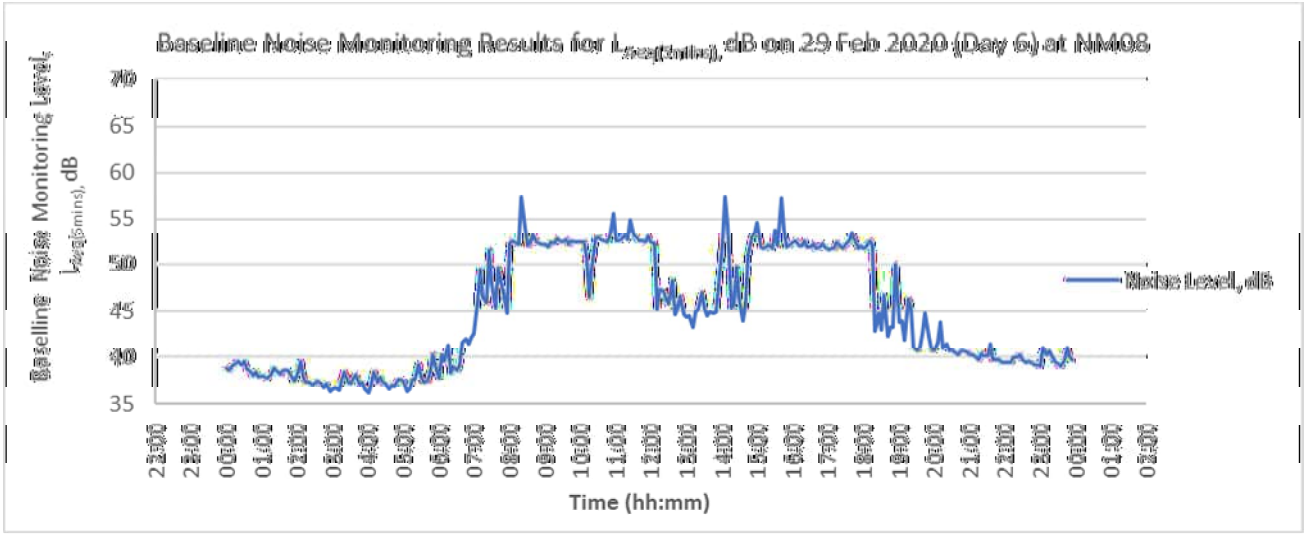

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 24 Feb 2020 (Day 1) at NM08
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
70
65
60
55
50
45
40
35
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Noise Level, dB
Time (hh:mm)

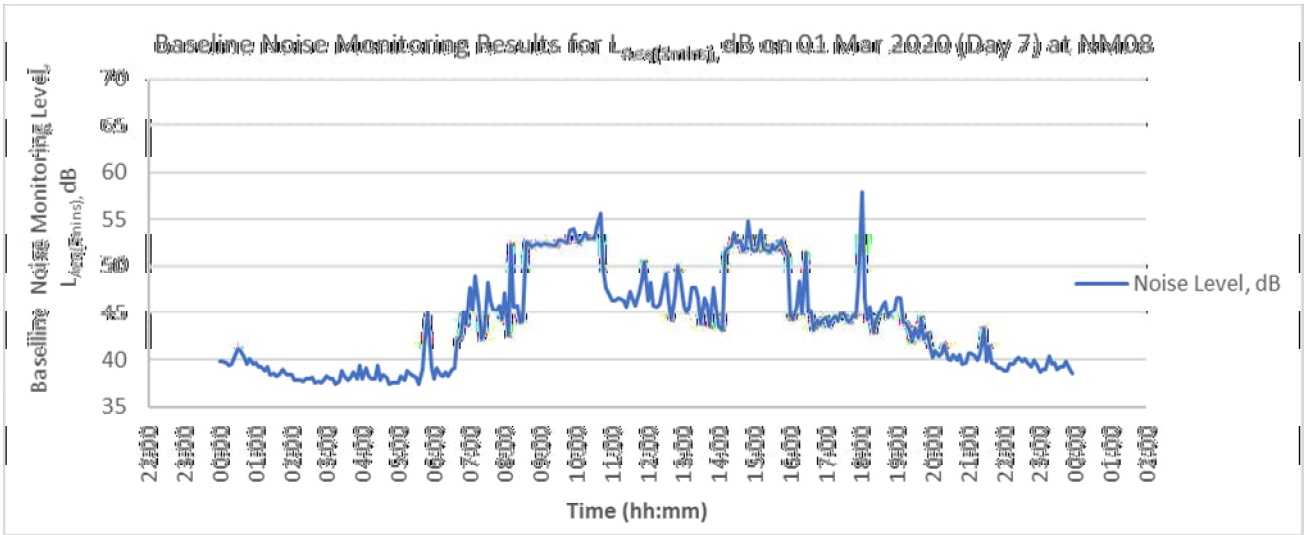

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 25 Feb 2020 (Day 2) at NM08
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
70
65
60
55
50
45
40
35
22:00
23:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Noise Level, dB
Time (hh:mm)

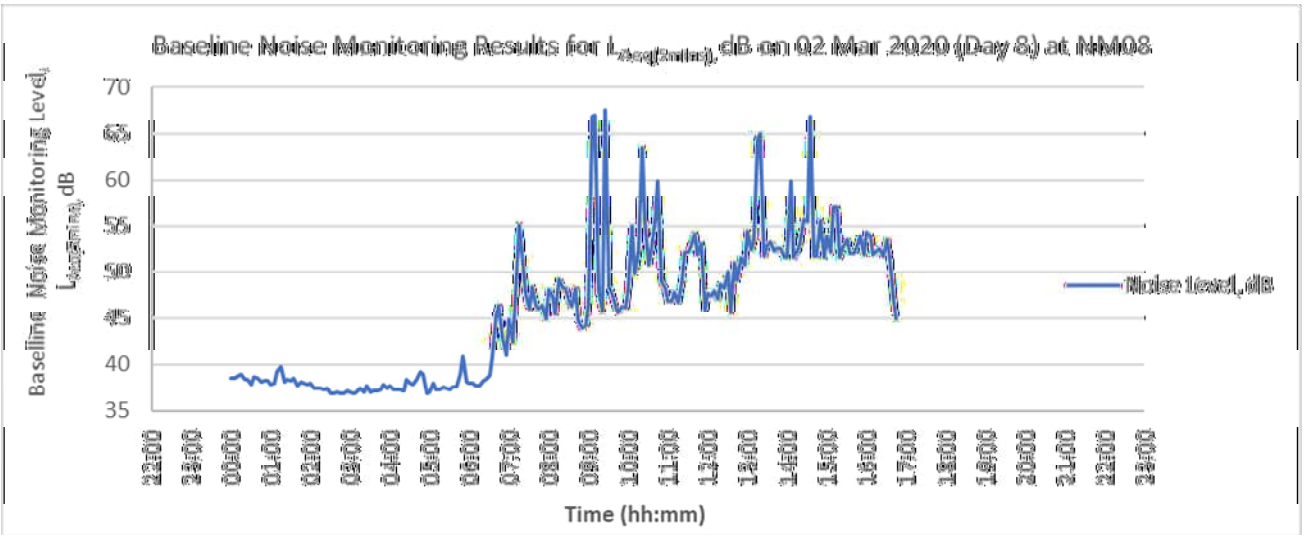

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 26 Feb 2020 (Day 3) at NM08
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
70
65
60
55
50
45
40
35
22:00
23:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Noise Level, dB
Time (hh:mm)

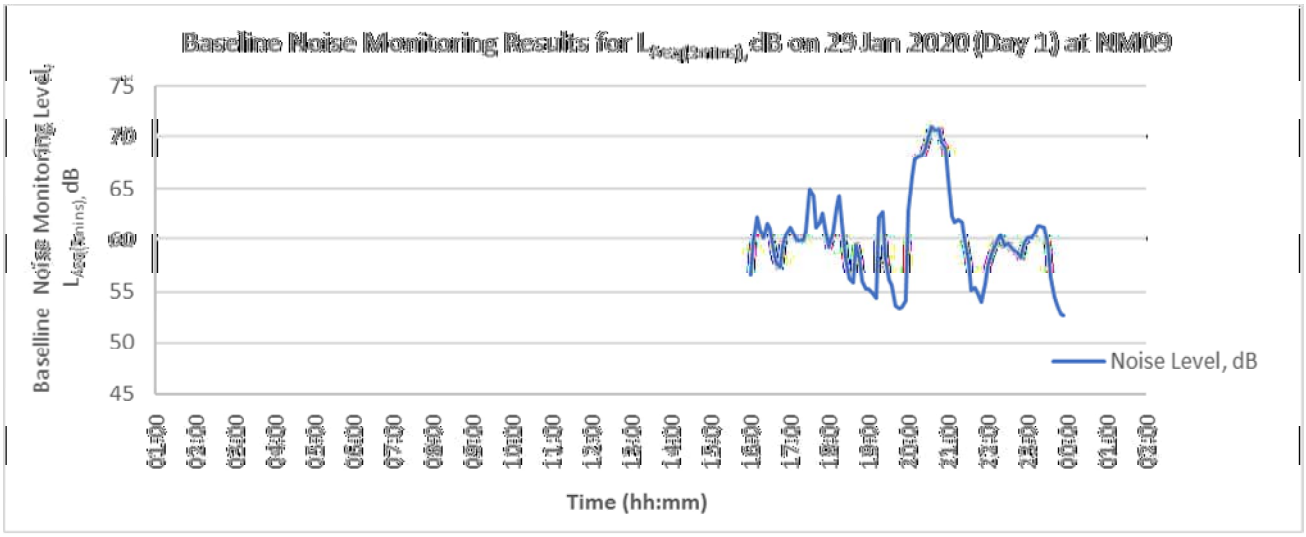

Baseline Noise Monitoring Results for $L_{eq(5mins)}$, dB on 27 Feb 2020 (Day 4) at NM408
Baselline Noise Monitoring Level, $L_{eq(5mins)}$, dB
70
65
60
55
50
45
40
35
Noise Level, dB
Time (hh:mm)

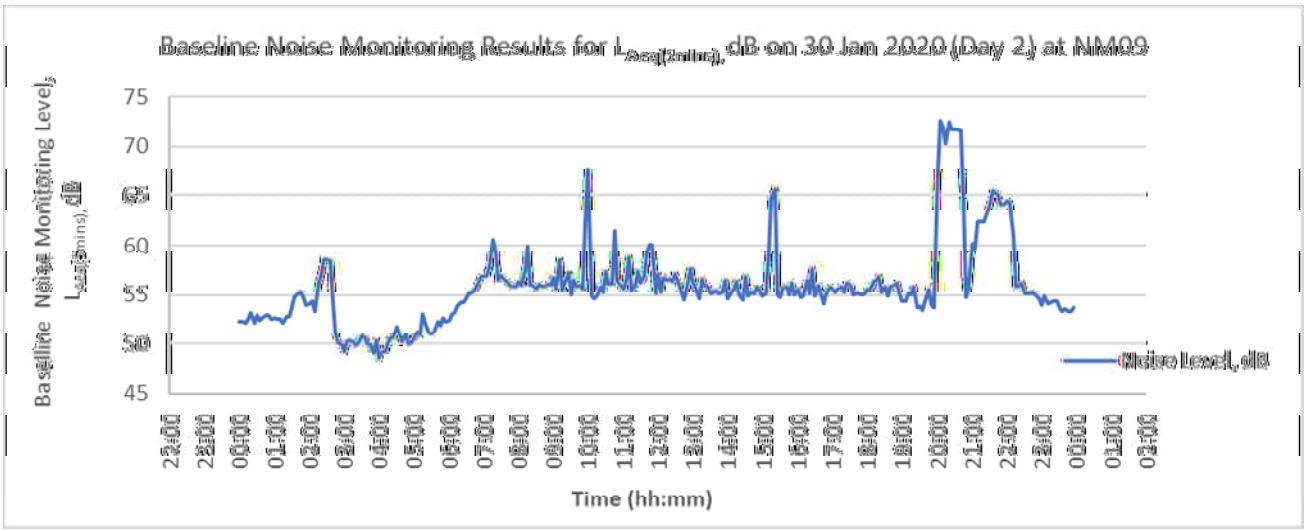

Baseline Noise Monitoring Results for $L_{eq(5mins)}$, dB on 28 Feb 2020 (Day 5) at NM408
Baselline Noise Monitoring Level, $L_{eq(5mins)}$, dB
70
55
35
Noise Level, dB
Time (hh:mm)

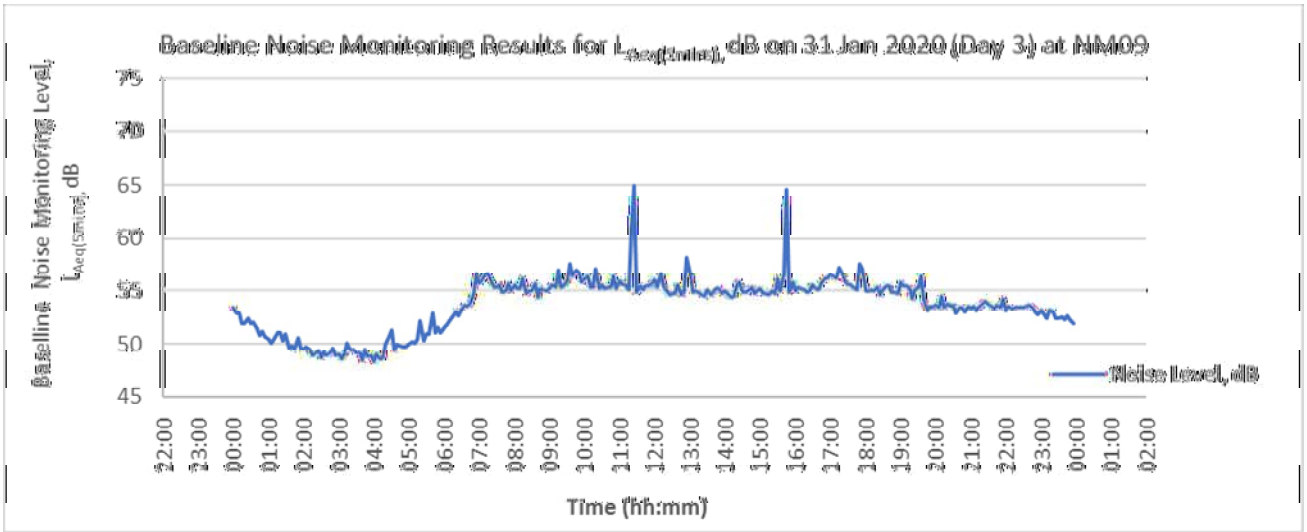

Baseline Noise Monitoring Results for $L_{eq(5mins)}$, dB on 29 Feb 2020 (Day 6) at NM408
Baselline Noise Monitoring Level, $L_{eq(5mins)}$, dB
70
65
60
55
50
45
40
35
Noise Level, dB
Time (hh:mm)

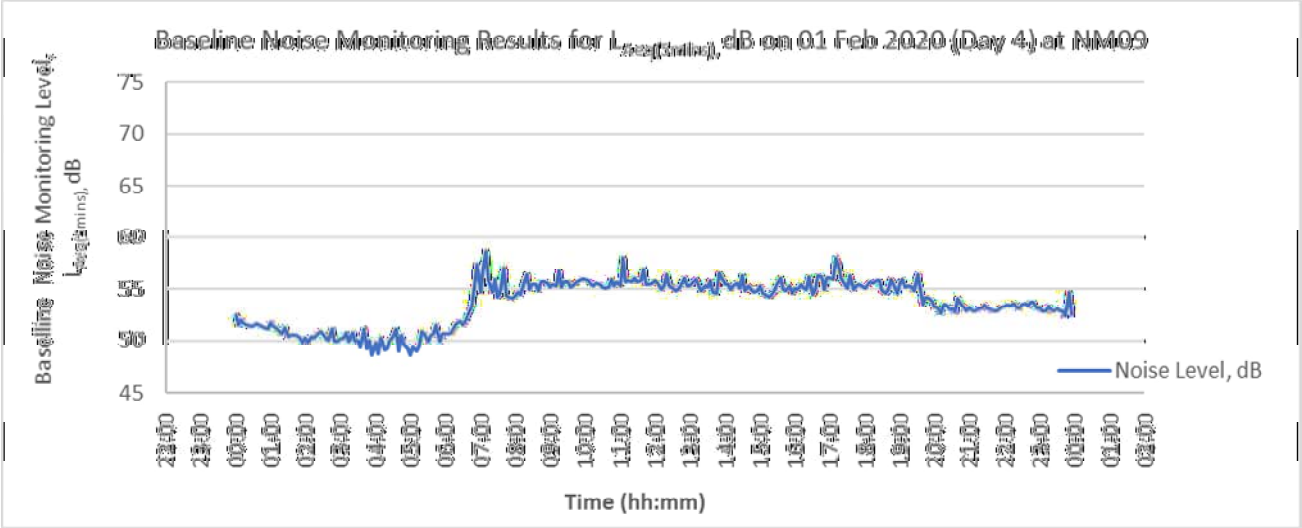

Baseline Noise Monitoring Results for $L_{eq(5mins)}$, dB on 01 Mar 2020 (Day 7) at NM08
Baseline Noise Monitoring Level, $L_{eq(5mins)}$, dB
70
65
60
55
50
45
40
35
Noise Level, dB
Time (hh:mm)

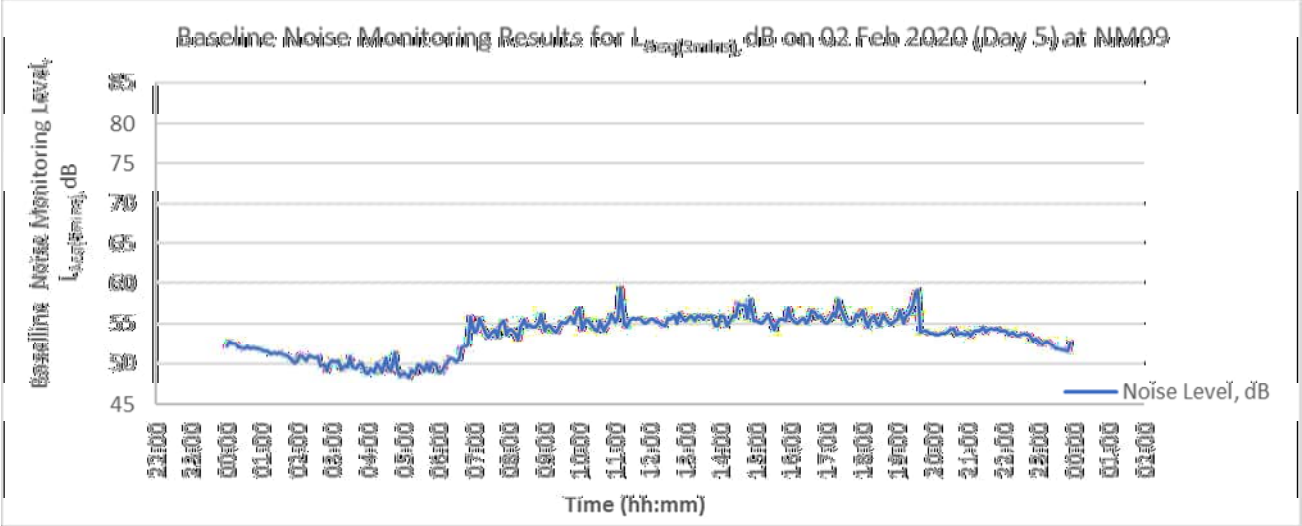

Baseline Noise Monitoring Results for $L_{eq(5mins)}$, dB on 02 Mar 2020 (Day 8) at NM08
Baseline Noise Monitoring Level, $L_{eq(5mins)}$, dB
70
65
60
55
50
45
40
35
Noise Level, dB
Time (hh:mm)

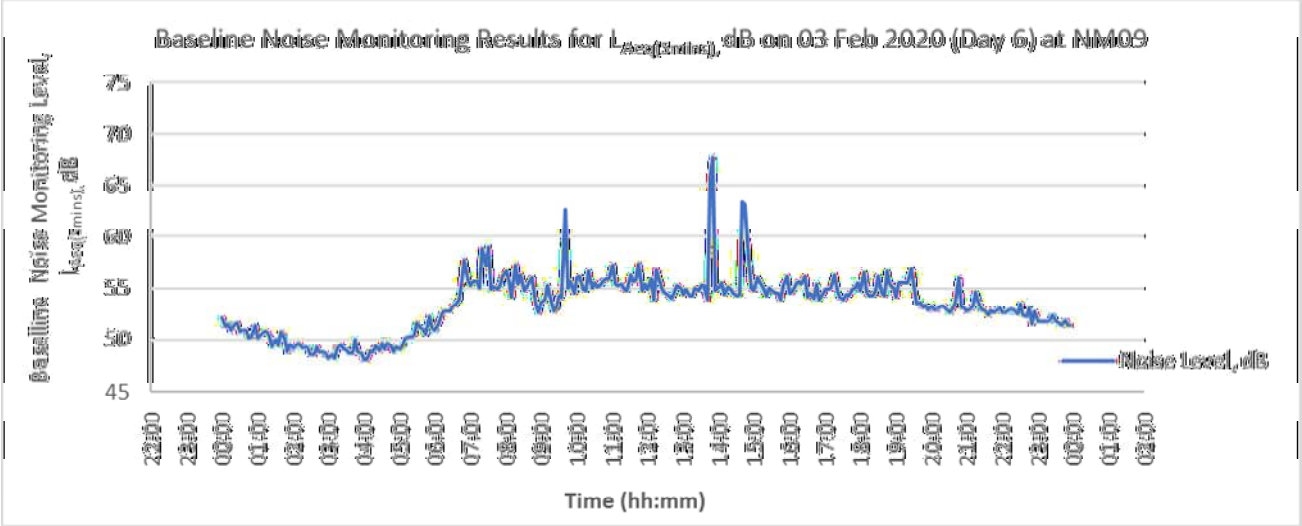

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 29 Jan 2020 (Day 1) at NM09
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
75
70
65
60
55
50
45
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Noise Level, dB
Time (hh:mm)

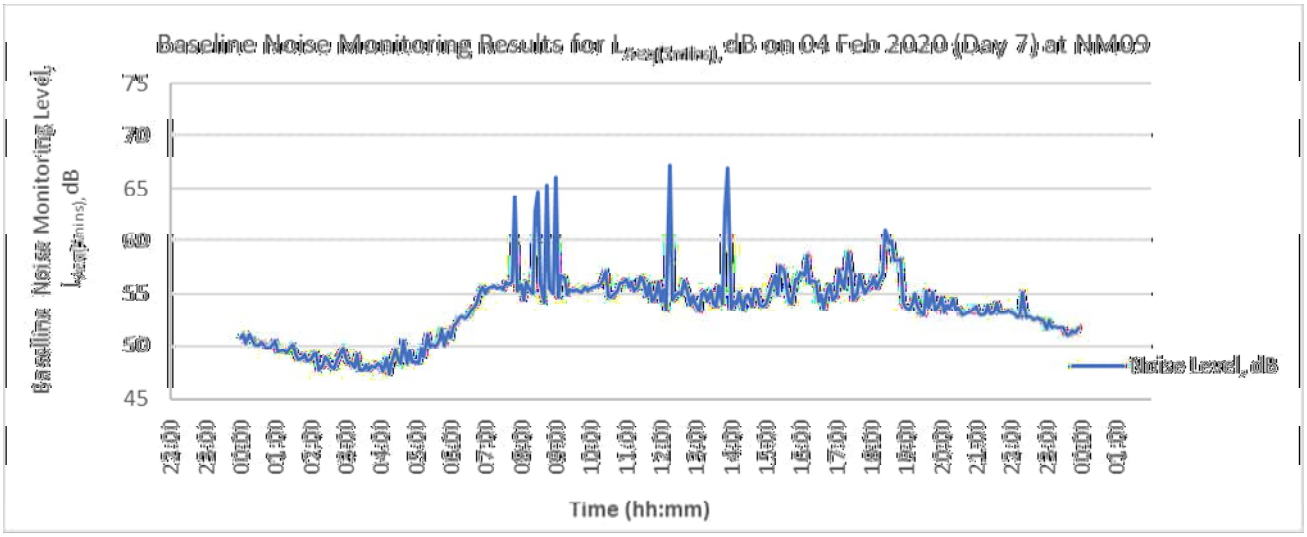

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 30 Jan 2020 (Day 2) at NM09
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
75
70
65
60
55
50
45
23:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
03:00
Noise Level, dB
Time (hh:mm)

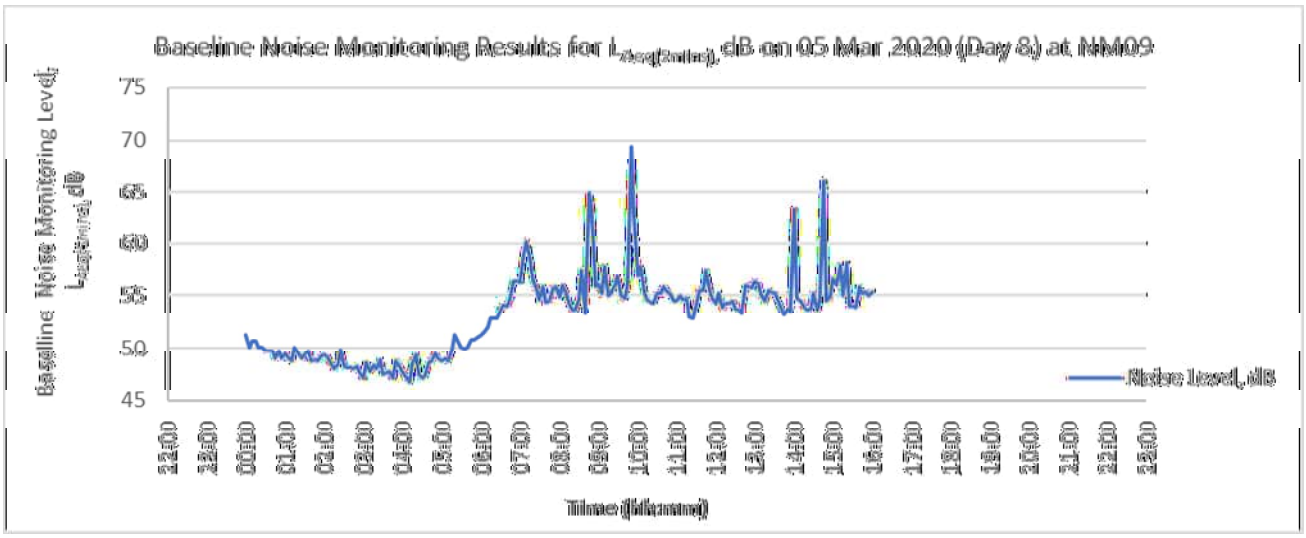

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 31 Jan 2020 (Day 3) at NM09
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
75
70
65
60
55
50
45
12:00
13:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Noise Level, dB
Time (hh:mm)

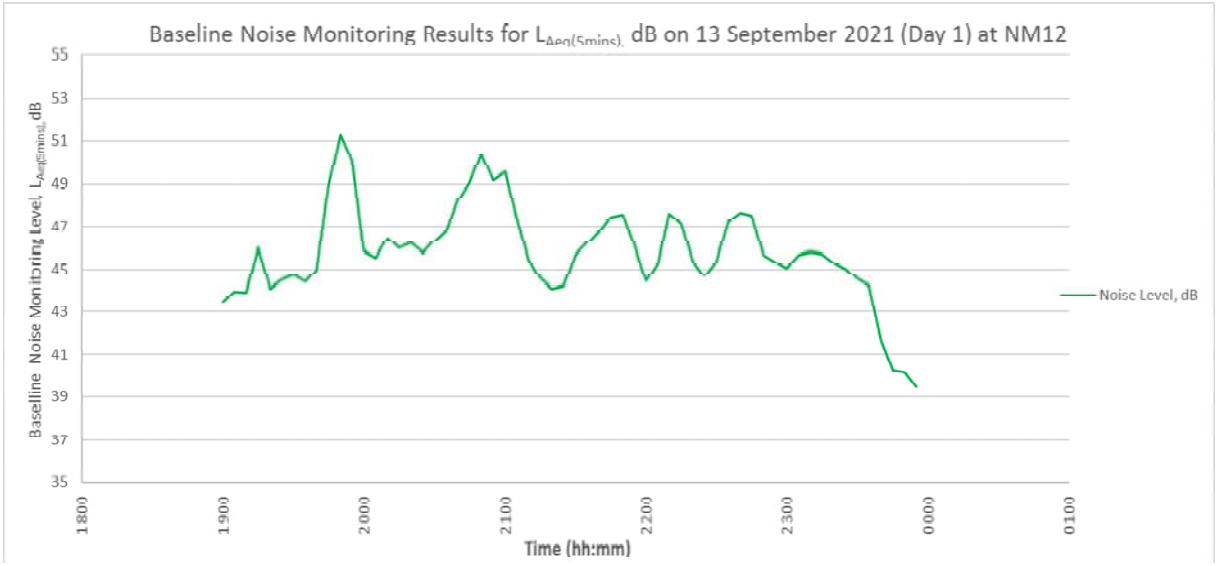

Baseline Noise Monitoring Results for $L_{eq(5mins)}$, dB on 01 Feb 2020 (Day 4) at NM09
Baseline Noise Monitoring Level, $L_{eq(5mins)}$, dB
75
70
65
60
55
50
45
Noise Level, dB
Time (hh:mm)

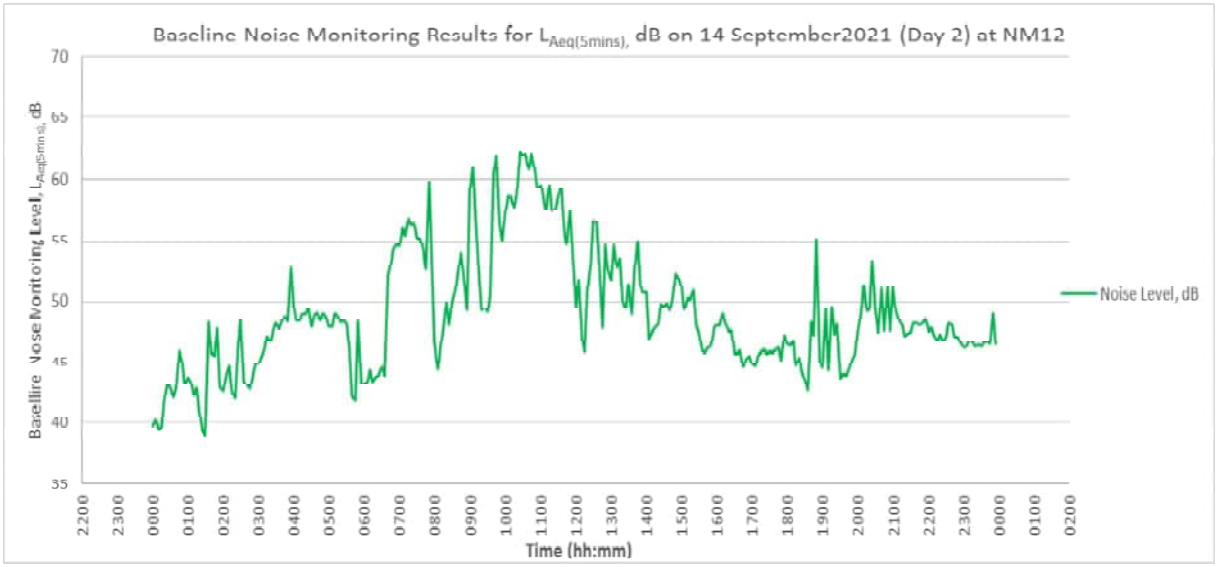

Baseline Noise Monitoring Results for $L_{eq(5mins)}$, dB on 02 Feb 2020 (Day 5) at NM09
Baseline Noise Monitoring Level, $L_{eq(5mins)}$, dB
80
75
70
65
60
55
50
45
Noise Level, dB
Time (hh:mm)

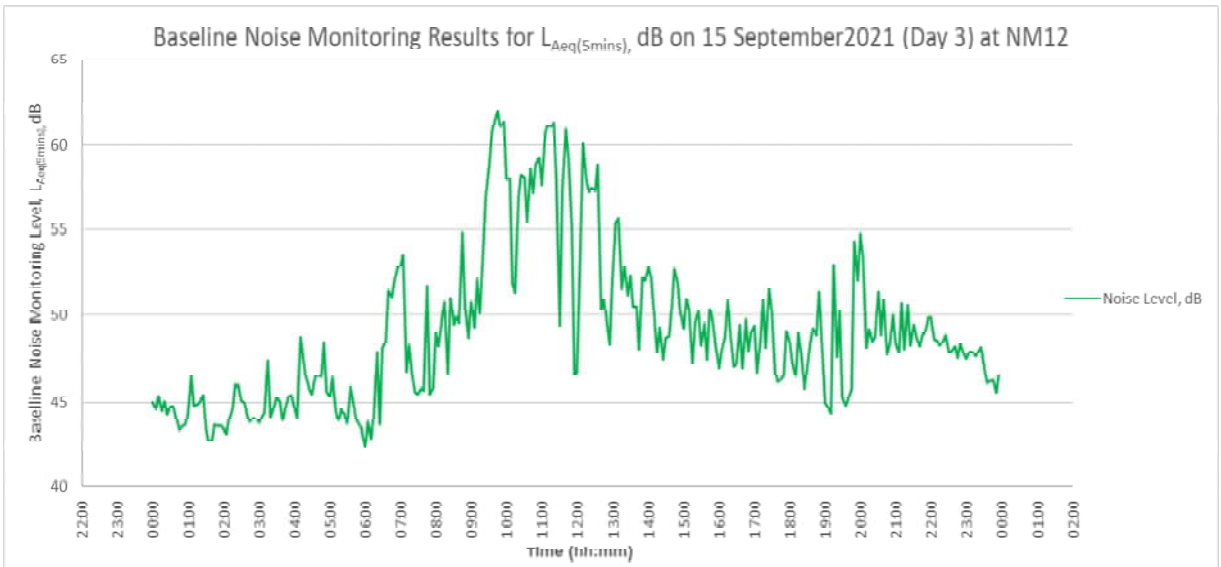

Baseline Noise Monitoring Results for $L_{eq(5mins)}$, dB on 03 Feb 2020 (Day 6) at NM09
Baseline Noise Monitoring Level, $L_{eq(5mins)}$, dB
75
70
65
60
55
50
45
Noise Level, dB
Time (hh:mm)

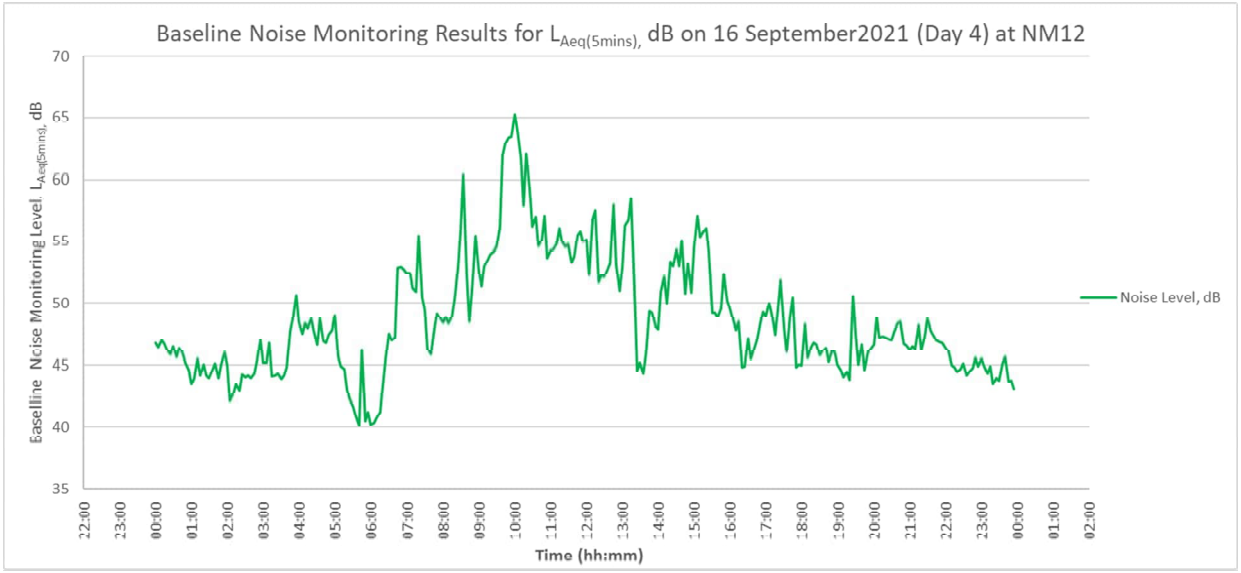

Baseline Noise Monitoring Results for $L_{eq(5mins)}$, dB on 04 Feb 2020 (Day 7) at NM09
Baseline Noise Monitoring Level, $L_{eq(5mins)}$, dB
75
70
65
60
55
50
45
Noise Level, dB
Time (hh:mm)

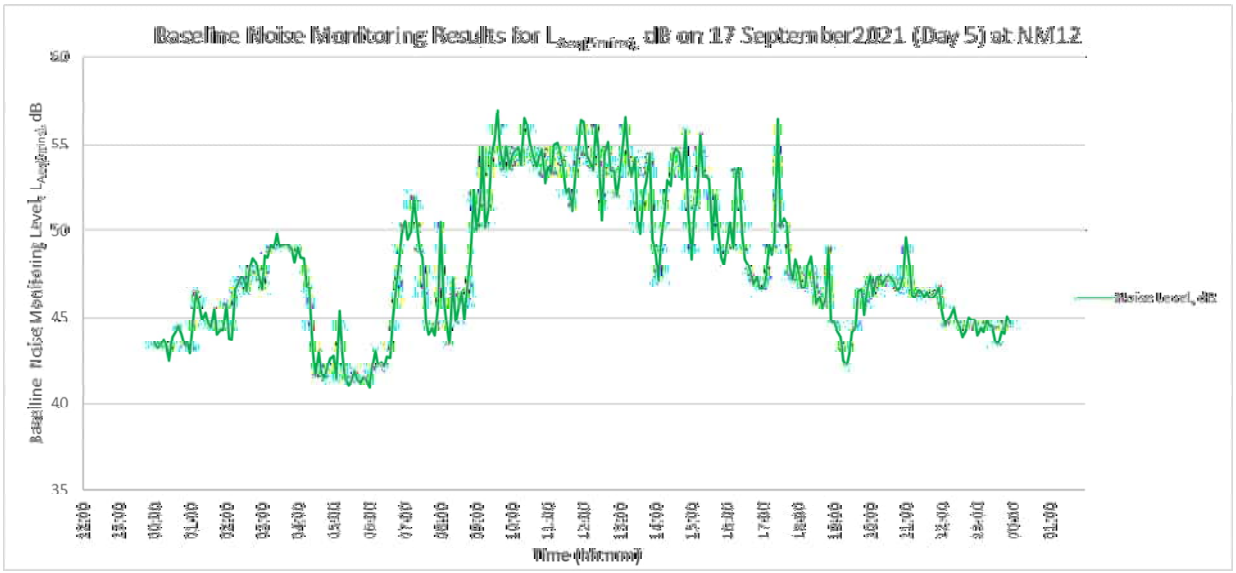

Baseline Noise Monitoring Results for $L_{eq(5mins)}$, dB on 05 Mar 2020 (Day 8) at NM09
Baseline Noise Monitoring Level, $L_{eq(5mins)}$, dB
75
70
65
60
55
50
45
Noise Level, dB
Time (hh:mm)

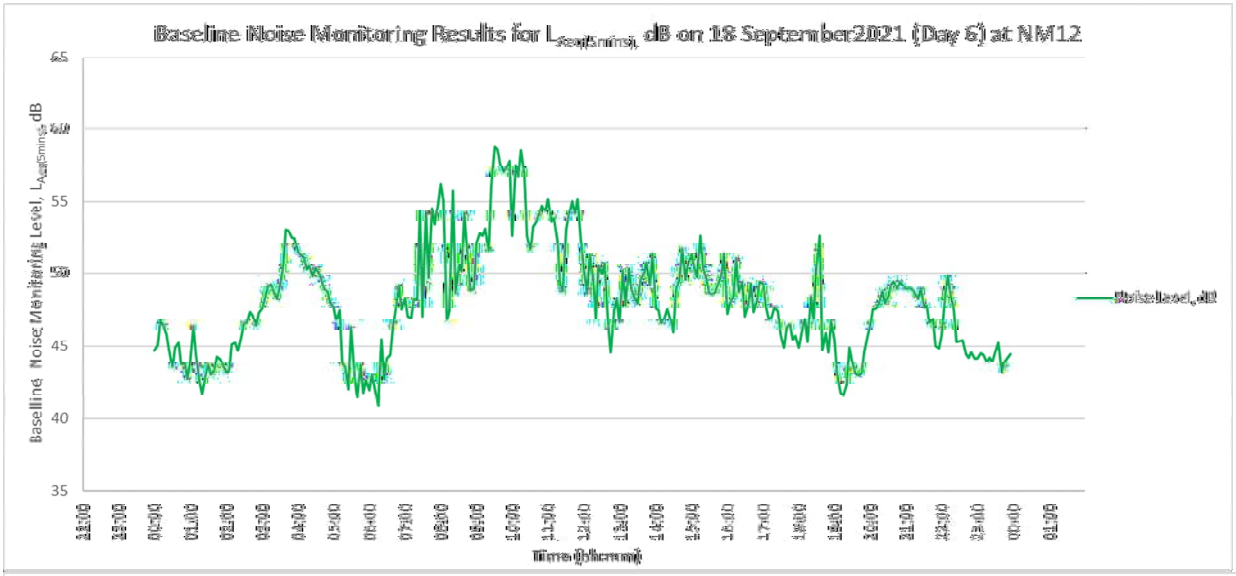

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$ dB on 13 September 2021 (Day 1) at NM12
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
55
53
51
49
47
45
43
41
39
37
35
1800
1900
2000
2100
2200
2300
0000
0100
Time (hh:mm)
Noise Level, dB

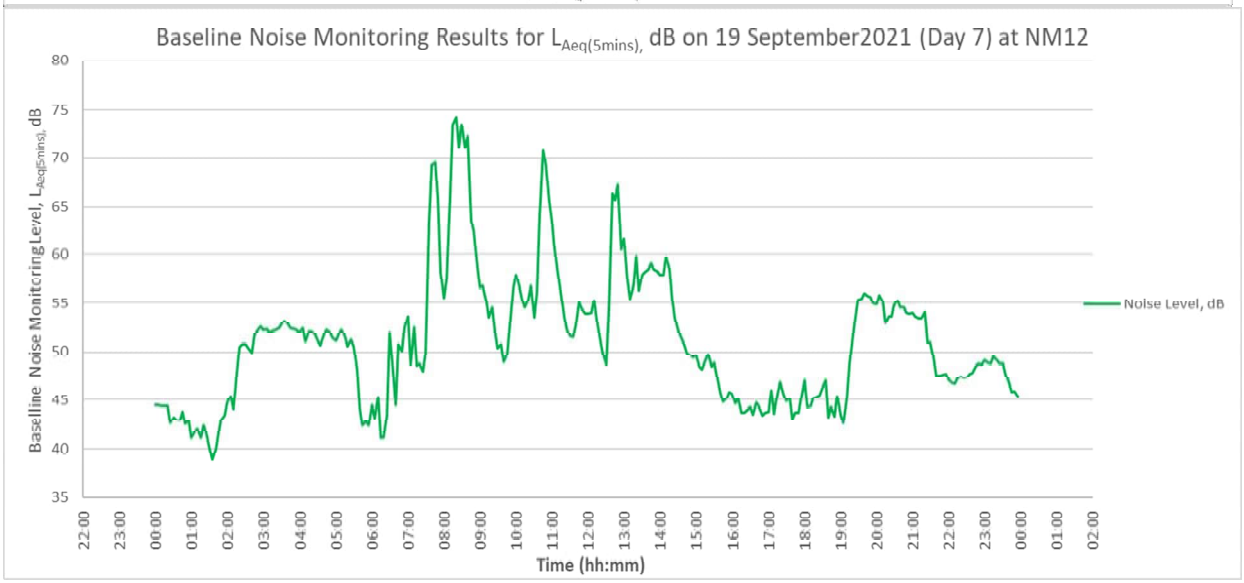

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 14 September2021 (Day 2) at NM12
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
70
65
60
55
50
45
40
35
2200
2300
0000
0100
0200
0300
0400
0500
0600
0700
0800
0900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
0000
0100
0200
Time (hh:mm)
Noise Level, dB

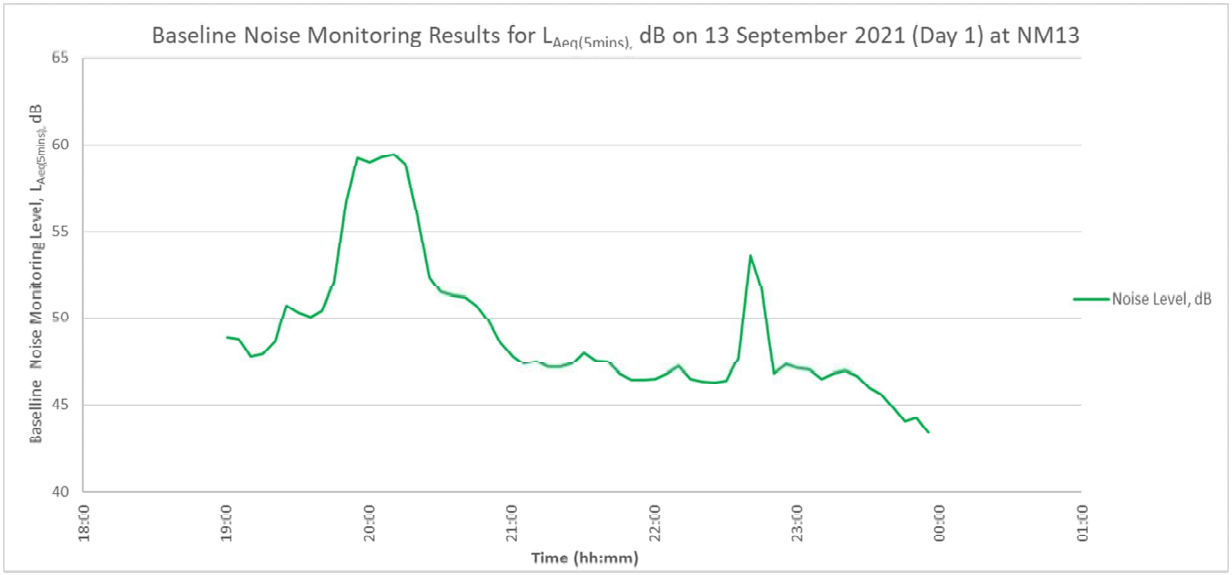

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 15 September2021 (Day 3) at NM12
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
65
60
55
50
45
40
2200
2300
0000
0100
0200
0300
0400
0500
0600
0700
0800
0900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
0000
0100
0200
Time (hh:mm)
Noise Level, dB

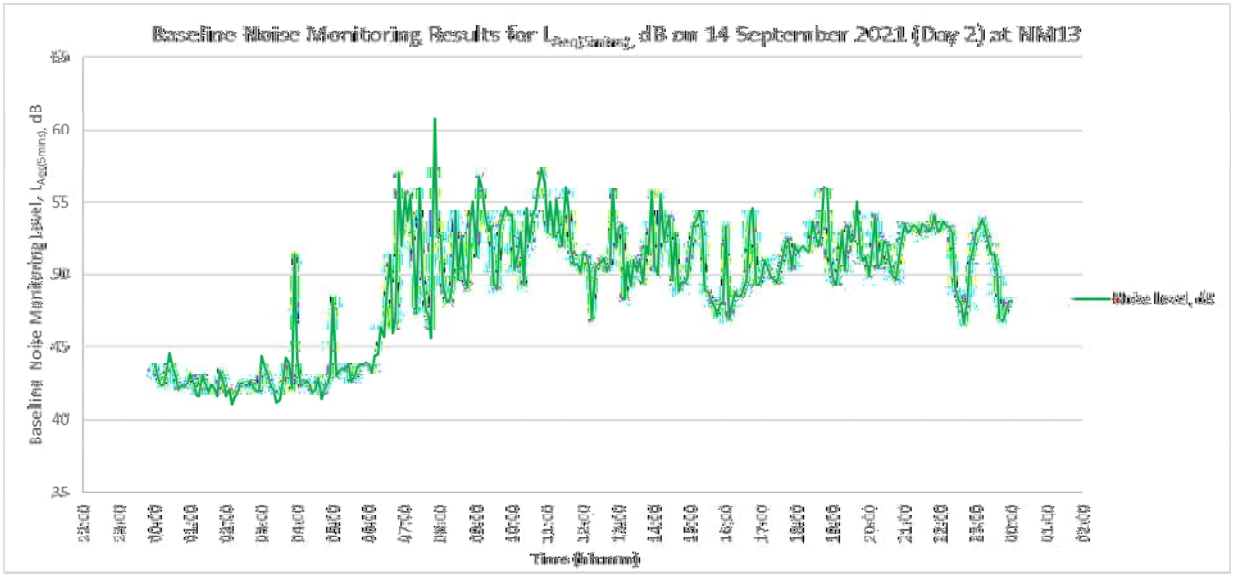

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 16 September2021 (Day 4) at NM12
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
70
65
60
55
50
45
40
35
22:00
23:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Time (hh:mm)
Noise Level, dB

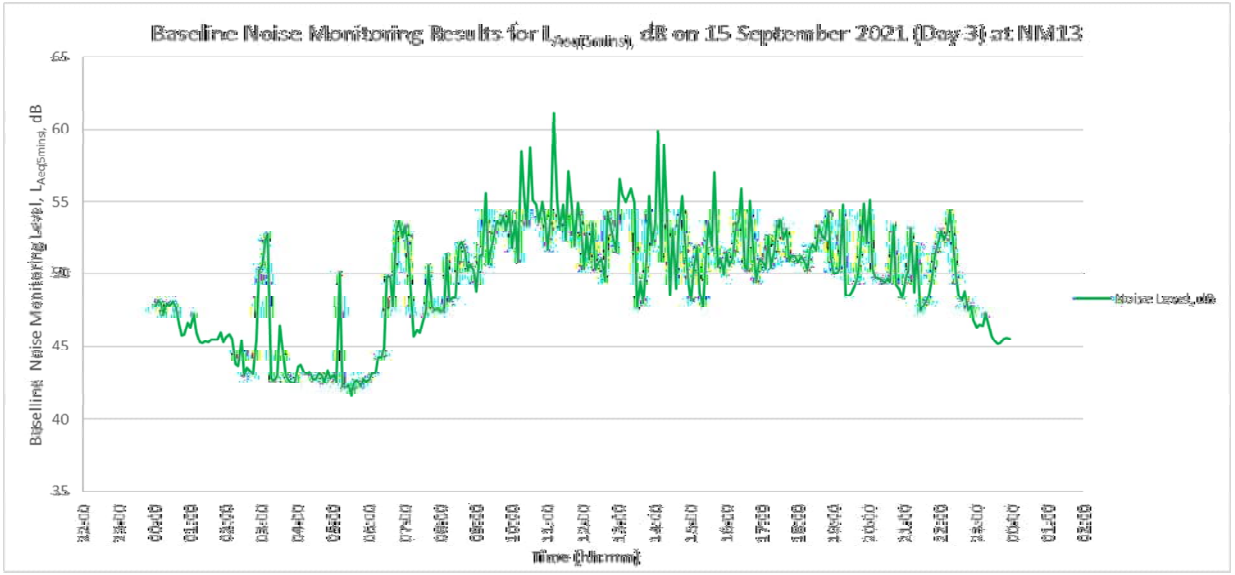

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 17 September2021 (Day 5) at NM12
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
60
55
50
45
40
35
Noise Level, dB

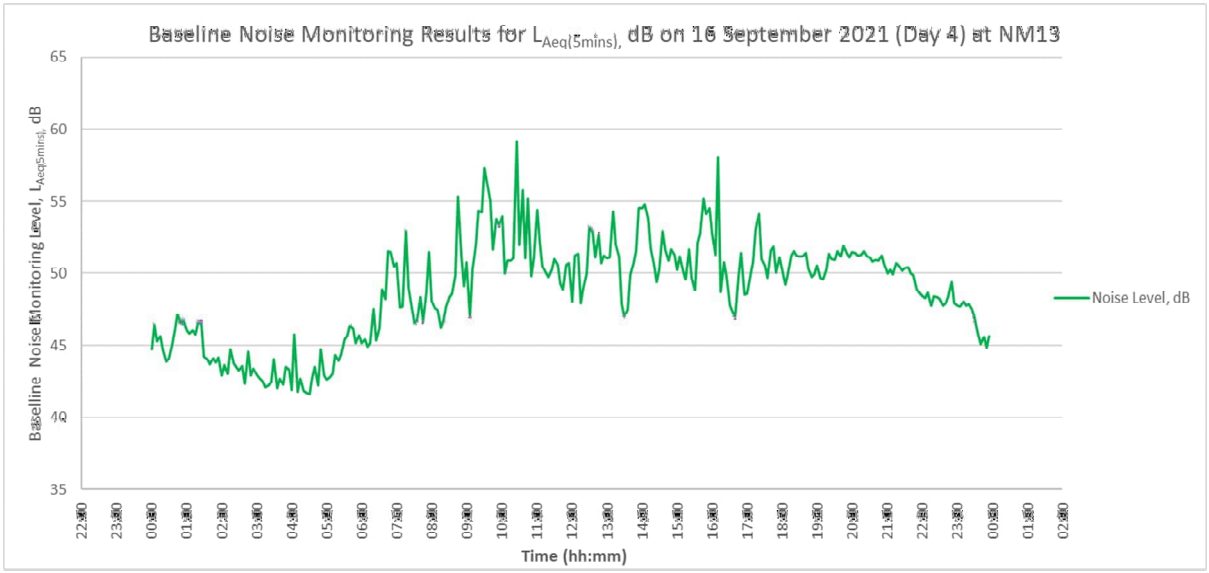

Baseline Noise Monitoring Results for $L_{Aeq(5mins),}$ dB on 18 September2021 (Day 6) at NM12
Baseline Noise Monitoring Level, $L_{Aeq(5mins),}$ dB
65
60
55
50
45
40
35
Noise Level, dB

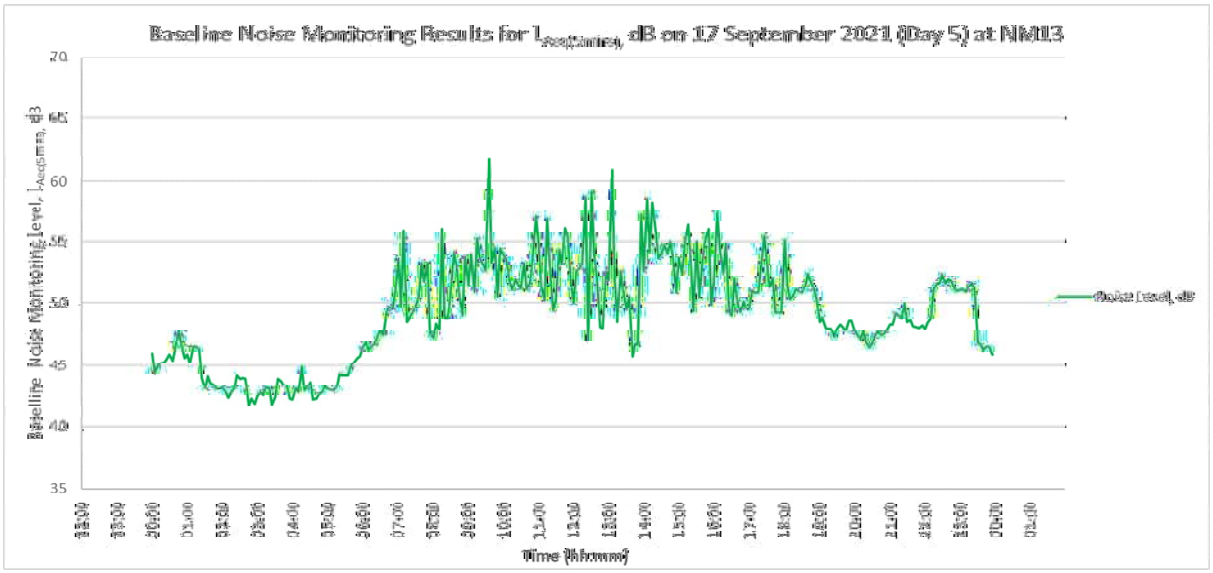

Baseline Noise Monitoring Results for $L_{Aeq(5mins),}$ dB on 19 September2021 (Day 7) at NM12
Baseline Noise Monitoring Level, $L_{Aeq(5mins),}$ dB
80
75
70
65
60
55
50
45
40
35
22:00
23:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Time (hh:mm)
Noise Level, dB

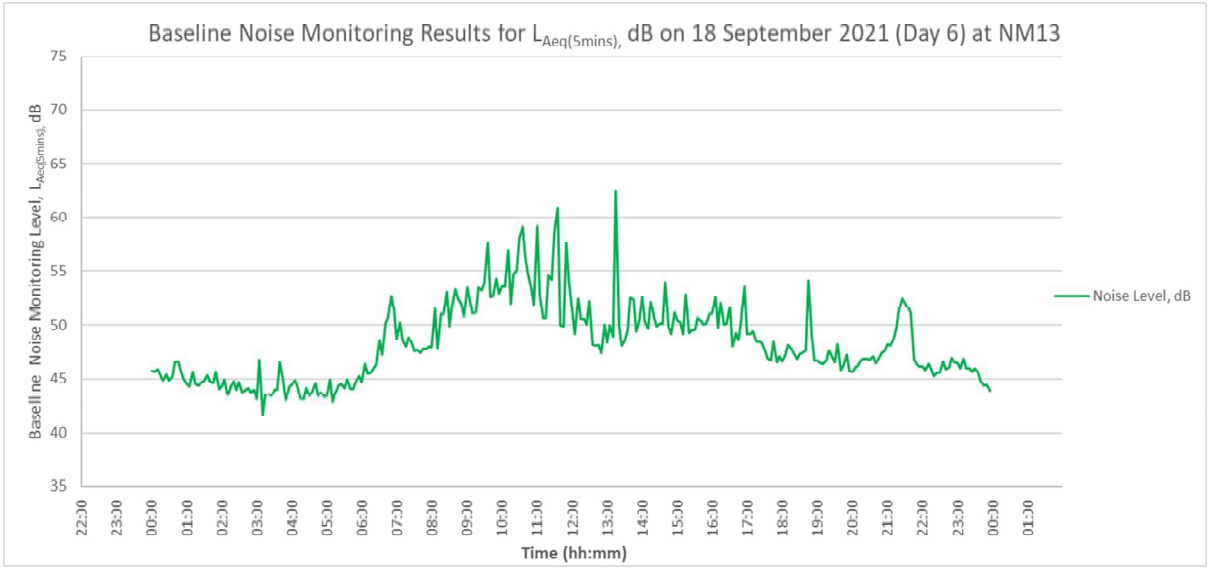

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$ dB on 13 September 2021 (Day 1) at NM13
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
65
60
55
50
45
40
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
Time (hh:mm)
Noise Level, dB

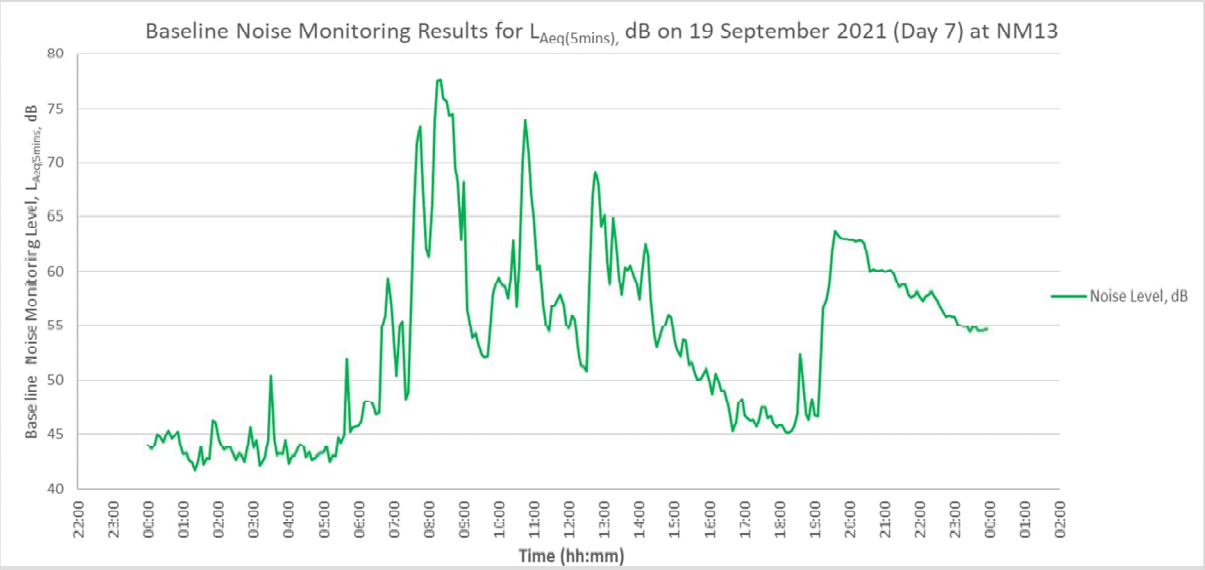

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$ dB on 14 September 2021 (Day 2) at NM13
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
60
55
40
35
Noise Level, dB

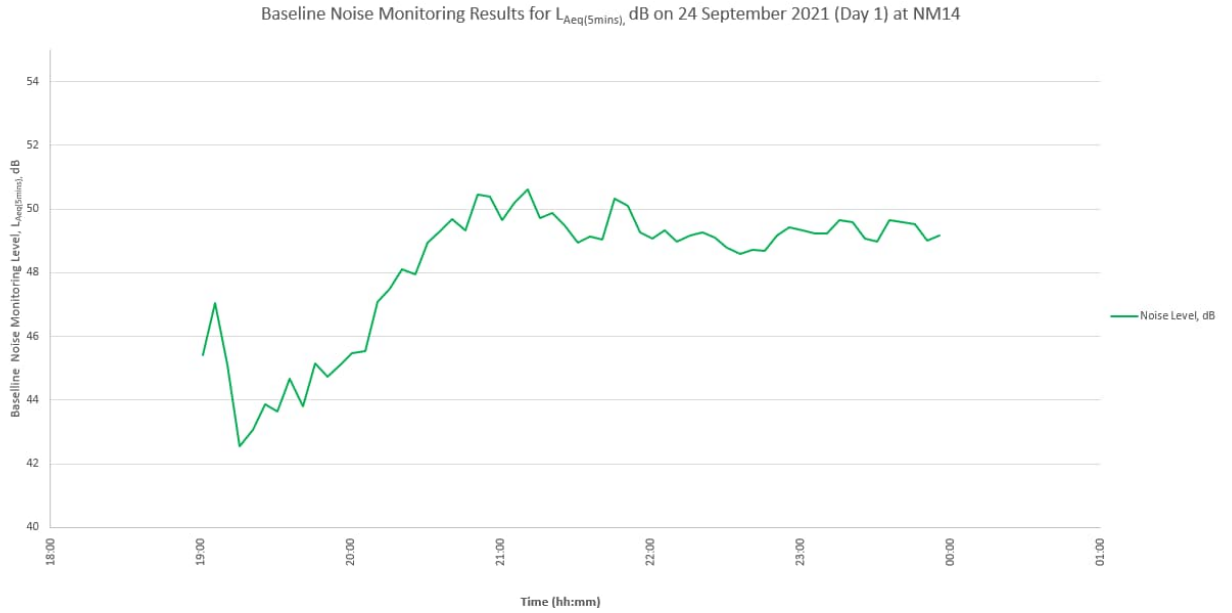

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$ dB on 15 September 2021 (Day 3) at NM13
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
60
55
45
40
35
Noise Level, dB

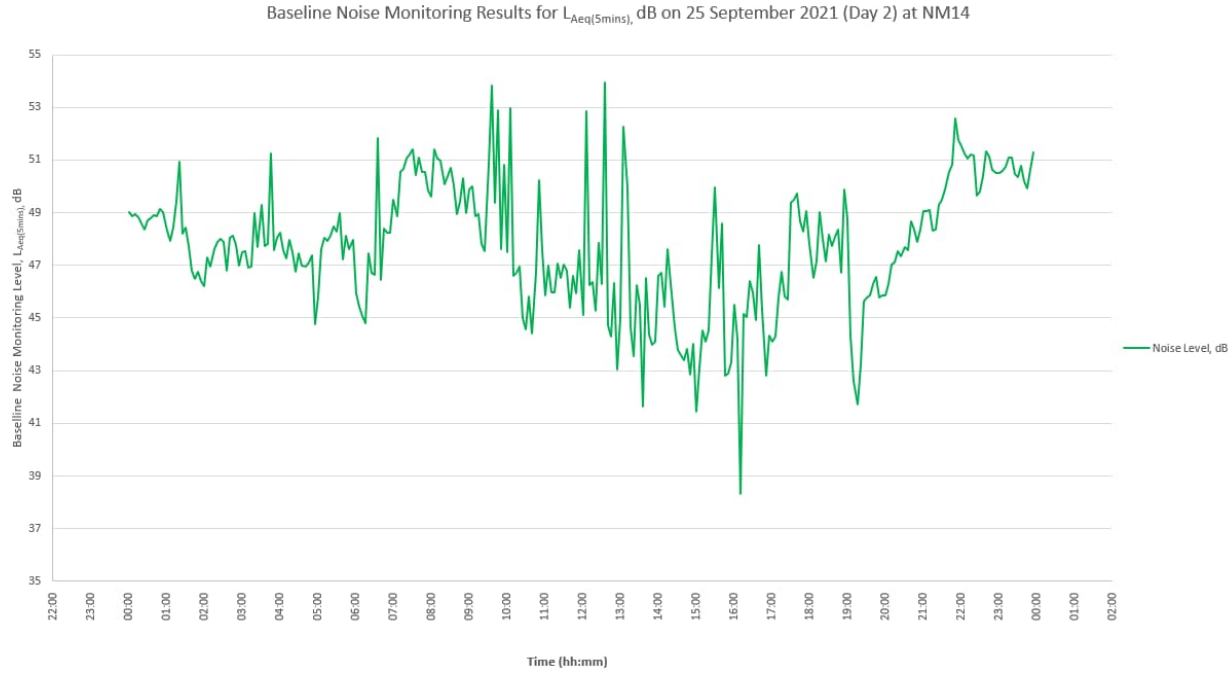

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 16 September 2021 (Day 4) at NM13
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
65
60
55
50
45
40
35
22:30
23:30
00:30
01:30
02:30
03:30
04:30
05:30
06:30
07:30
08:30
09:30
10:30
11:30
12:30
13:30
14:30
15:30
16:30
17:30
18:30
19:30
20:30
21:30
22:30
23:30
00:30
01:30
02:30
Time (hh:mm)
Noise Level, dB


Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 17 September 2021 (Day 5) at NM13
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
70
60
55
50
45
40
35
Time (hh:mm)

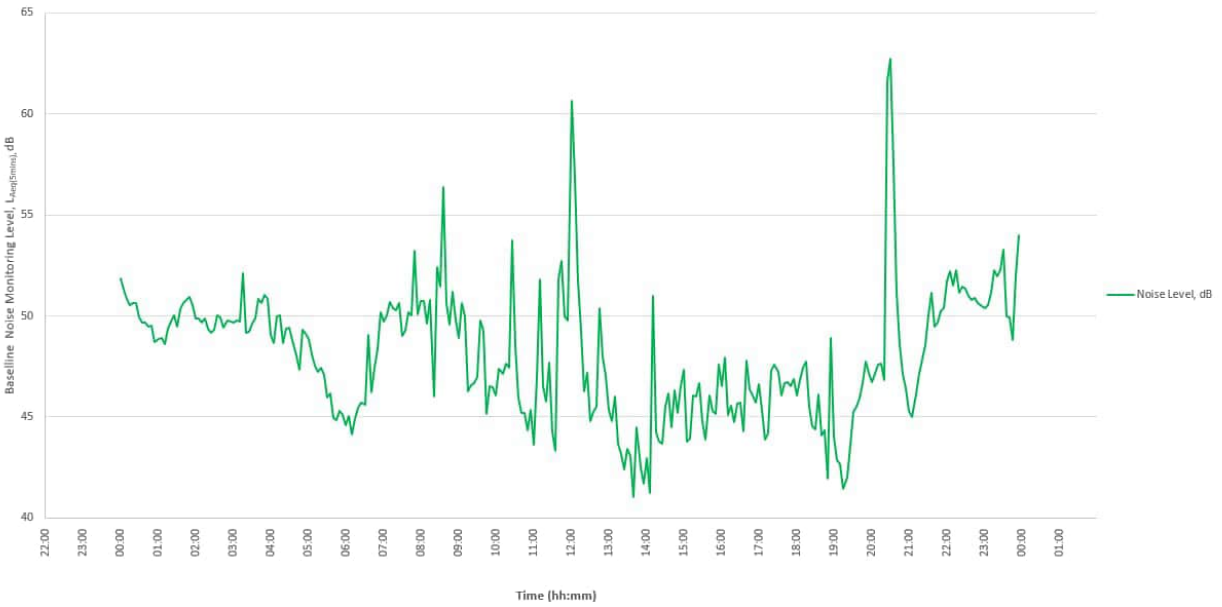

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 18 September 2021 (Day 6) at NM13
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
75
70
65
60
55
50
45
40
35
22:30
23:30
00:30
01:30
02:30
03:30
04:30
05:30
06:30
07:30
08:30
09:30
10:30
11:30
12:30
13:30
14:30
15:30
16:30
17:30
18:30
19:30
20:30
21:30
22:30
23:30
00:30
01:30
Time (hh:mm)
Noise Level, dB


Baseline Noise Monitoring Results for $L_{Aeq(5mins),}$ dB on 19 September 2021 (Day 7) at NM13
Baseline Noise Monitoring Level, $L_{Aeq5mins,}$ dB
80
75
70
65
60
55
50
45
40
22:00
23:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Time (hh:mm)
Noise Level, dB

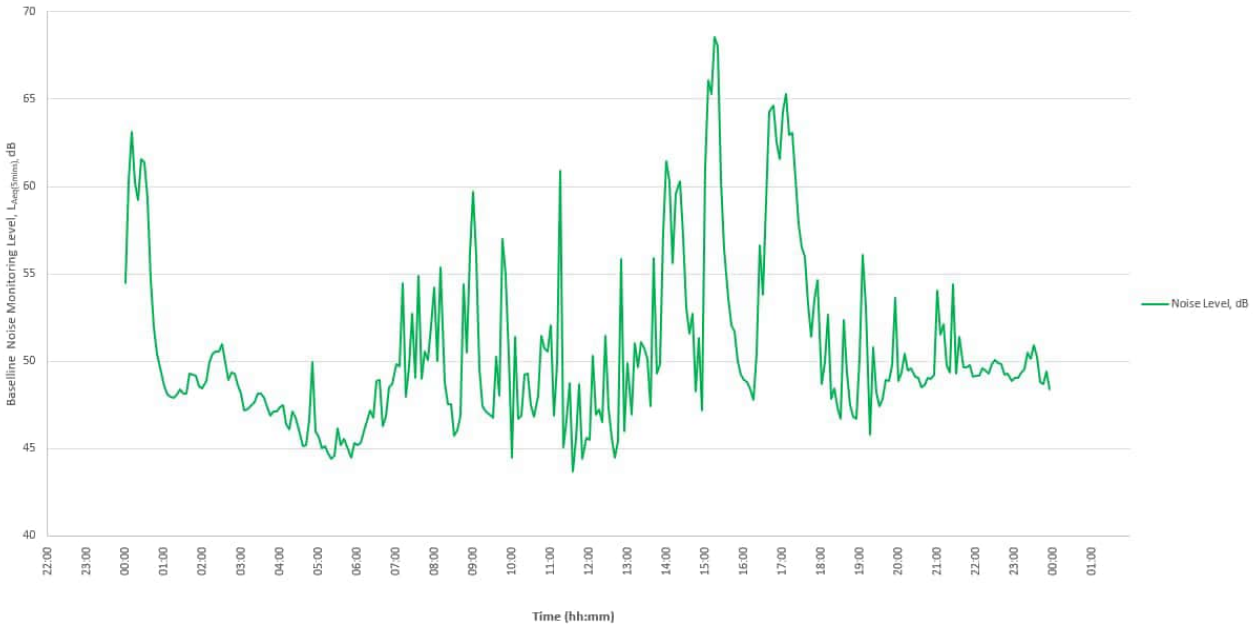

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 24 September 2021 (Day 1) at NM14
Baselline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
54
52
50
48
46
44
42
40
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
Time (hh:mm)
Noise Level, dB

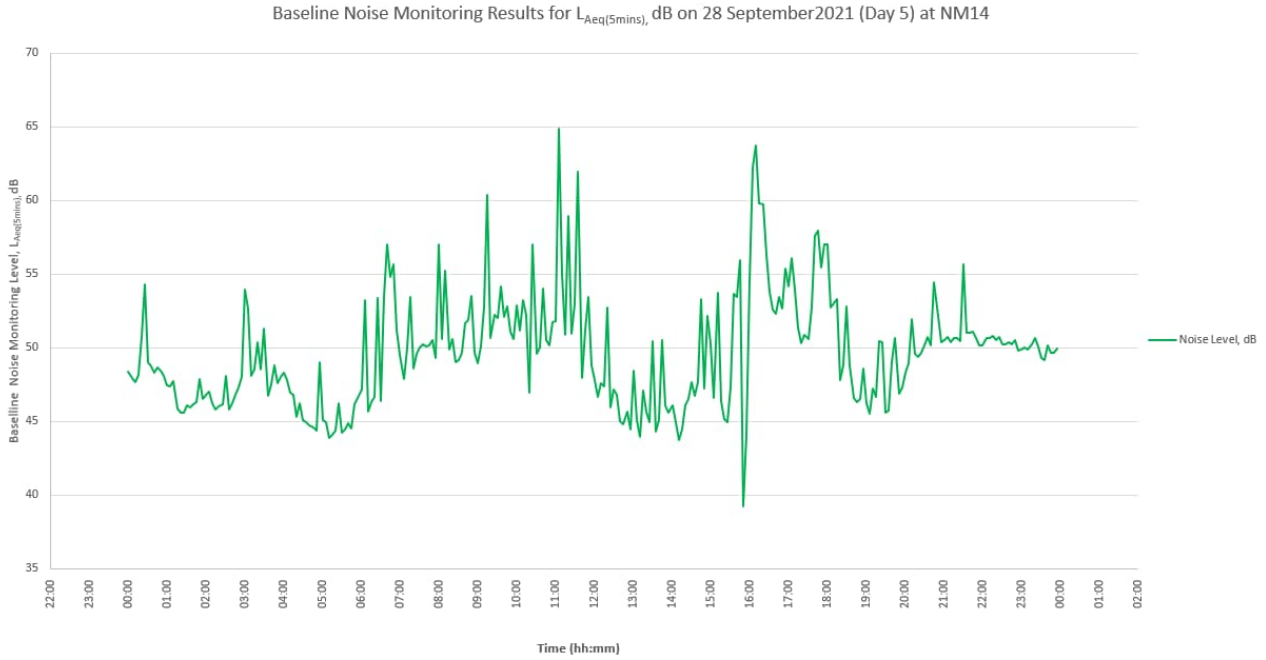

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 25 September 2021 (Day 2) at NM14
Baselline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
55
53
51
49
47
45
43
41
39
37
35
22:00
23:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Time (hh:mm)
Noise Level, dB

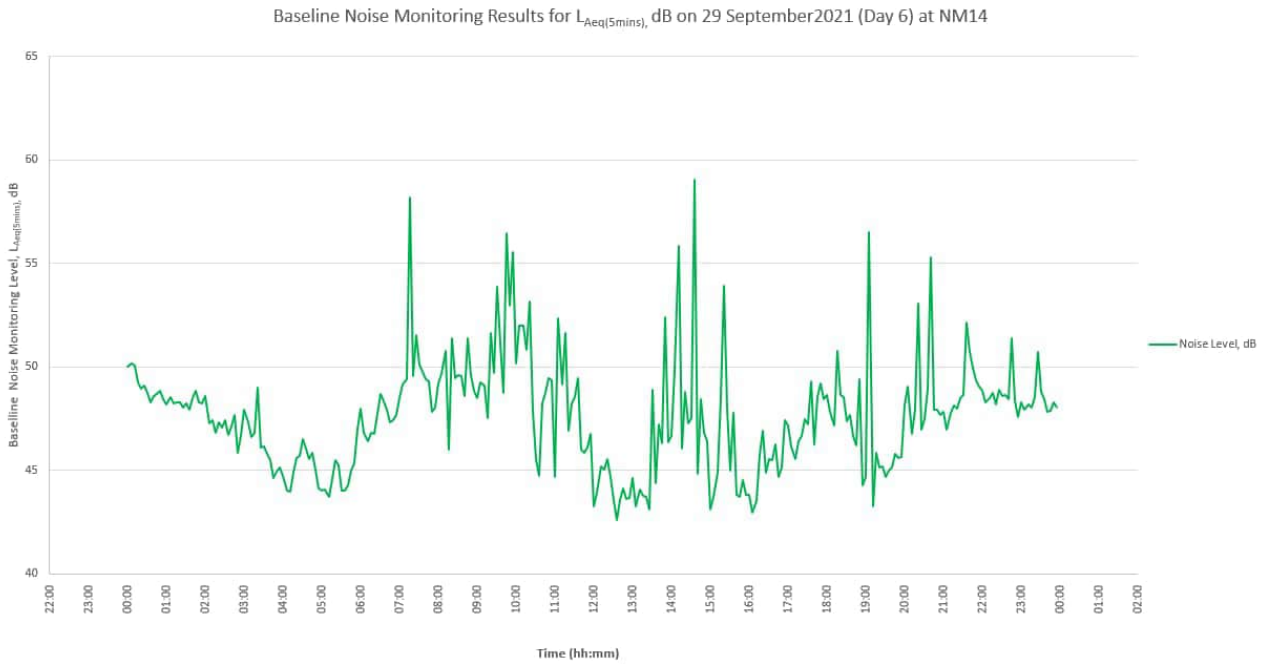
Baseline Noise Monitoring Results for $L_{Aeq(5mins),}$ dB on 26 September2021 (Day 3) at NM14

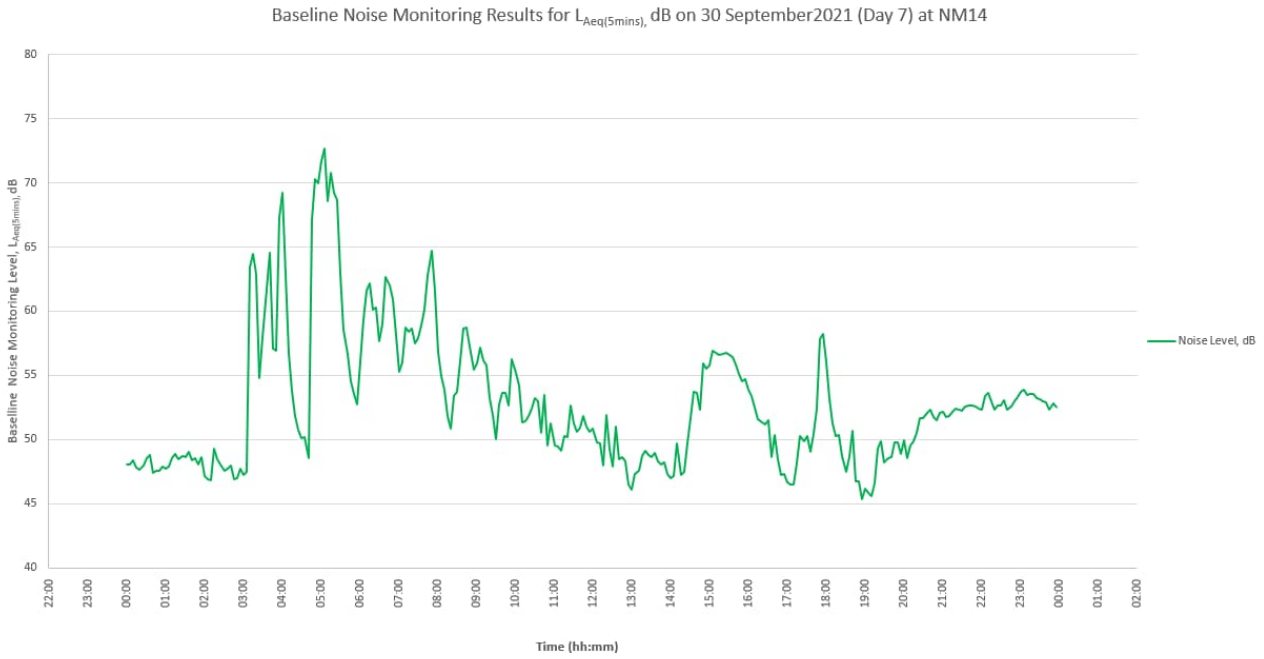


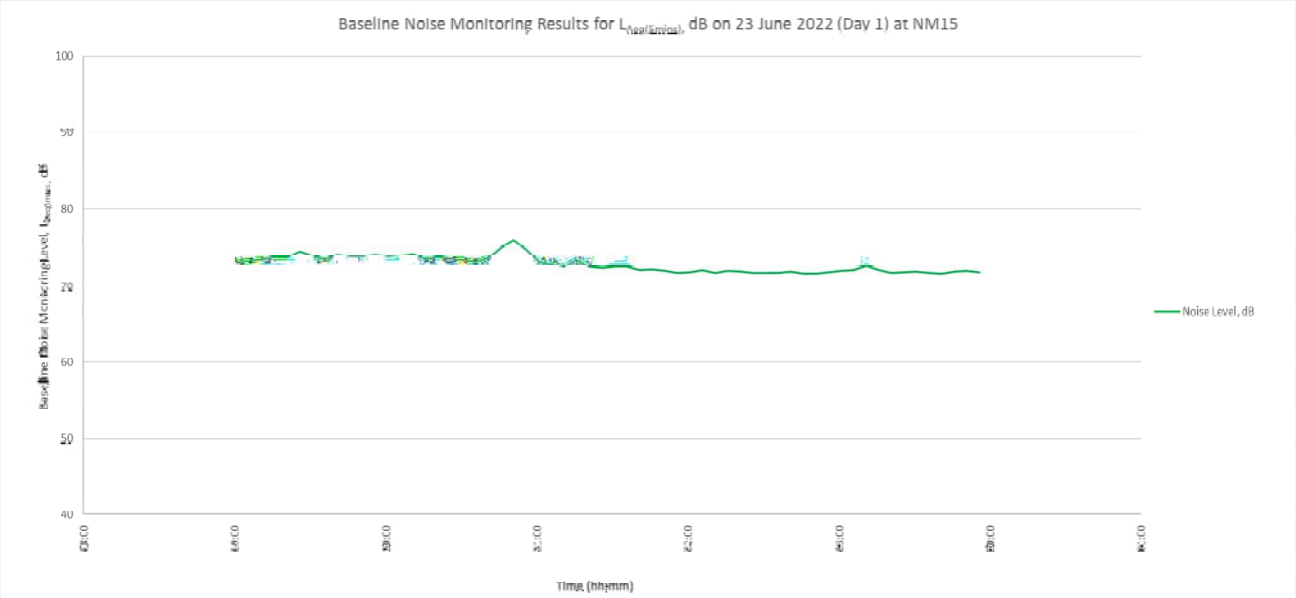
Baseline Noise Monitoring Results for $L_{Aeq(5mins),}$ dB on 27 September2021 (Day 4) at NM14

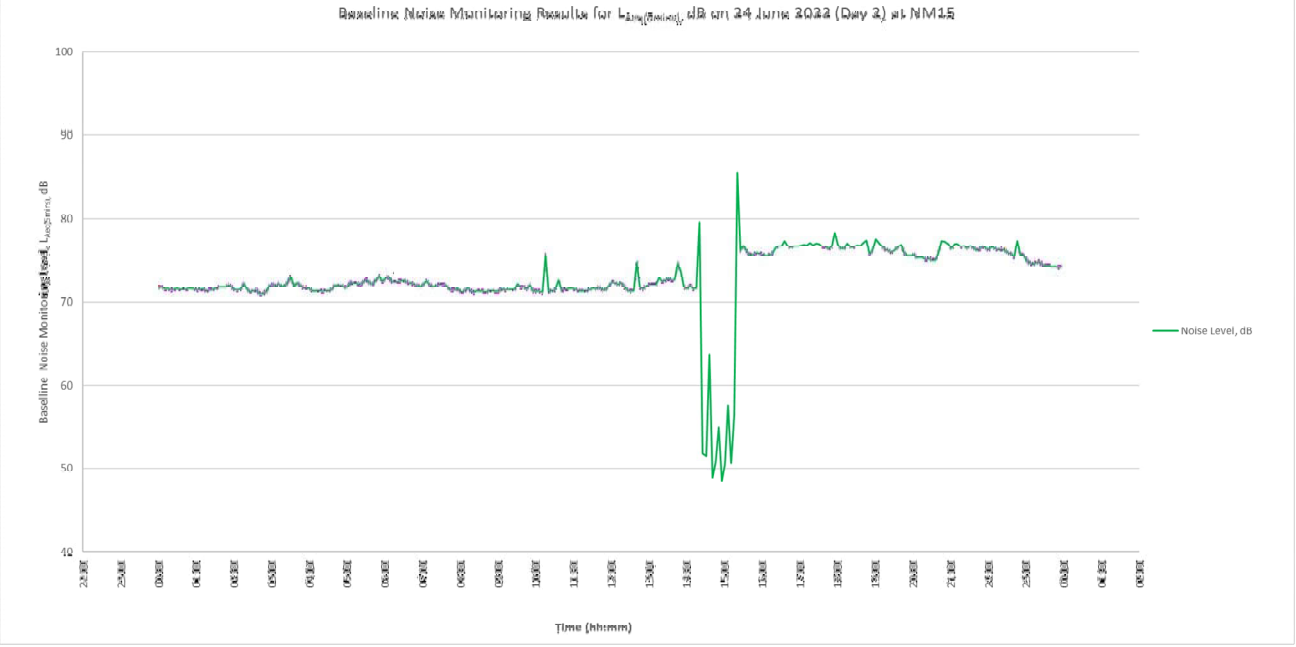


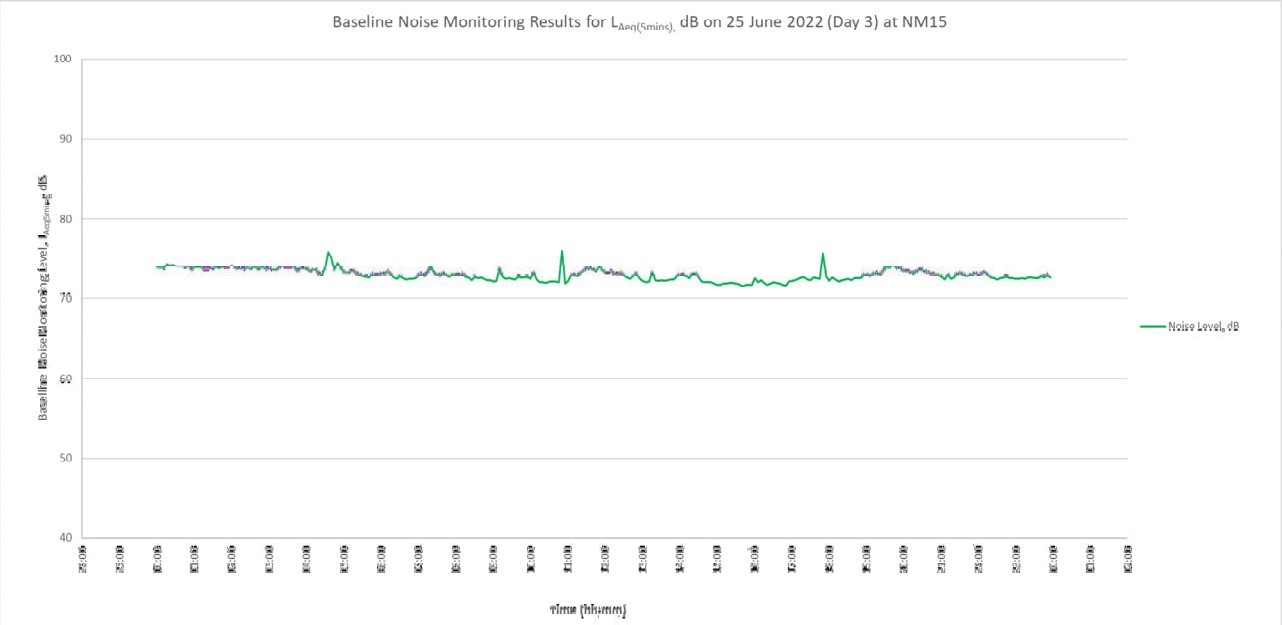

Baseline Noise Monitoring Results for $L_{Aeq(5mins),}$ dB on 28 September2021 (Day 5) at NM14
Baselline Noise Monitoring Level, $L_{Aeq(5mins),}$ dB
70
65
60
55
50
45
40
35
22:00
23:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Time (hh:mm)
Noise Level, dB

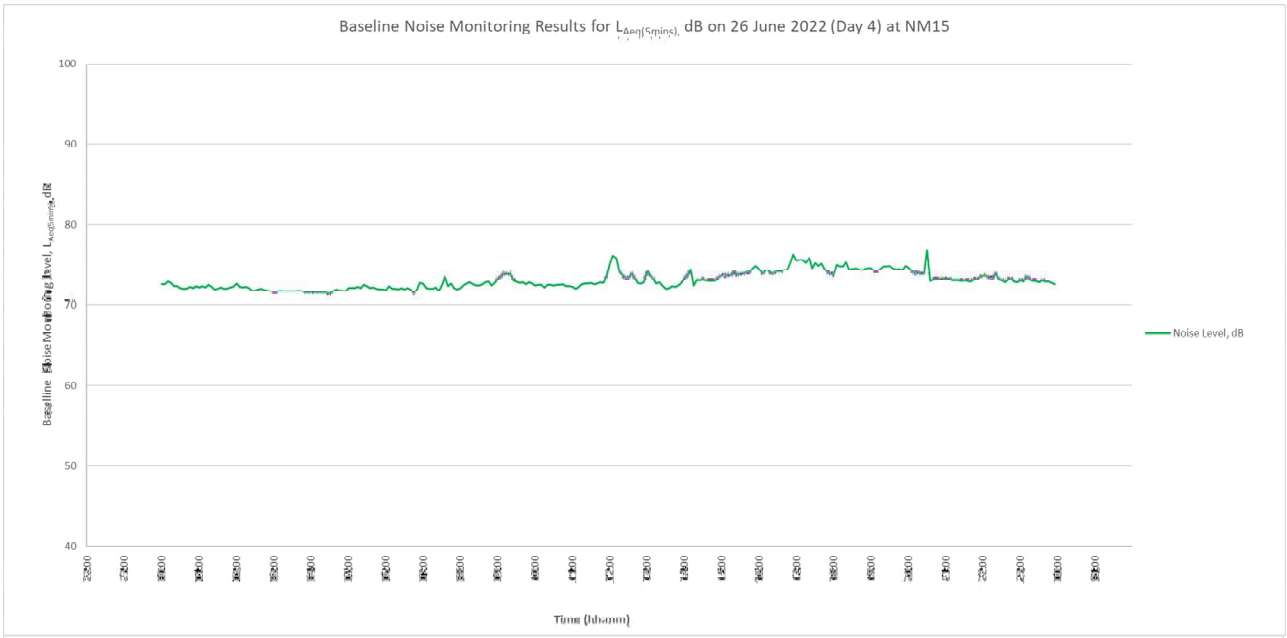

Baseline Noise Monitoring Results for $L_{Aeq(5mins),}$ dB on 29 September2021 (Day 6) at NM14
Baselline Noise Monitoring Level, $L_{Aeq(5mins),}$ dB
65
60
55
50
45
40
22:00
23:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Time (hh:mm)
Noise Level, dB

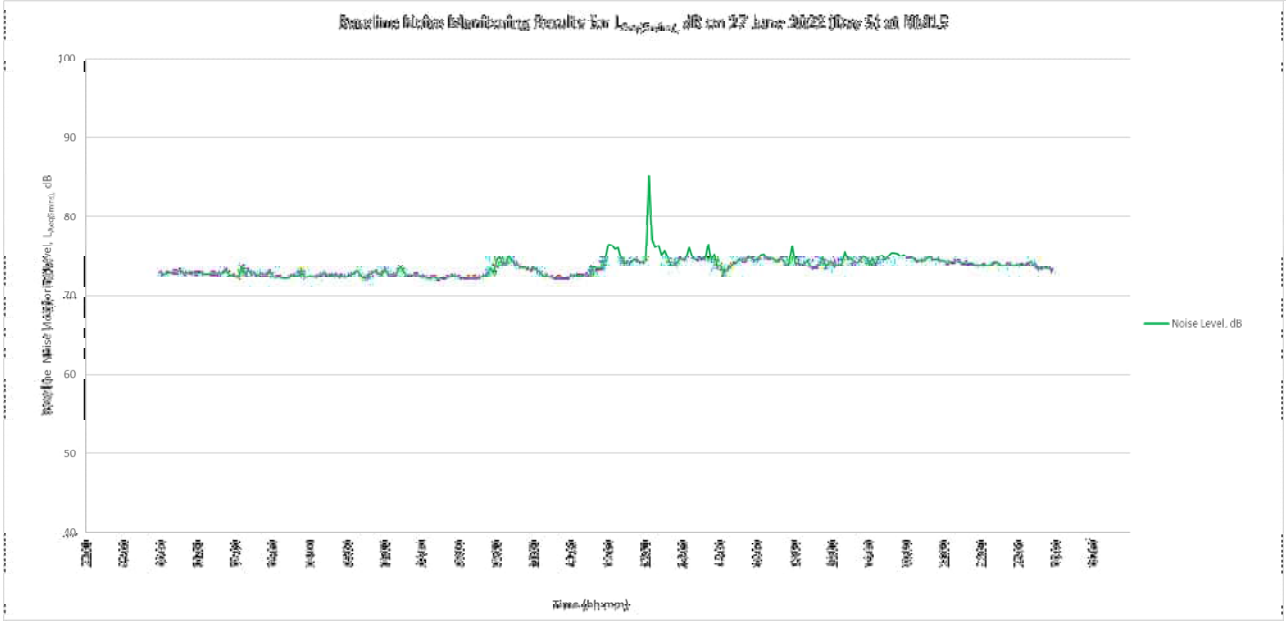

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 30 September2021 (Day 7) at NM14
Baselline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
80
75
70
65
60
55
50
45
40
22:00
23:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Time (hh:mm)
Noise Level, dB


Baseline Noise Monitoring Results for $L_{eq(5min)}$, dB on 23 June 2022 (Day 1) at NM15
100
90
80
70
60
50
40
Noise Level, dB
Time (hh:mm)

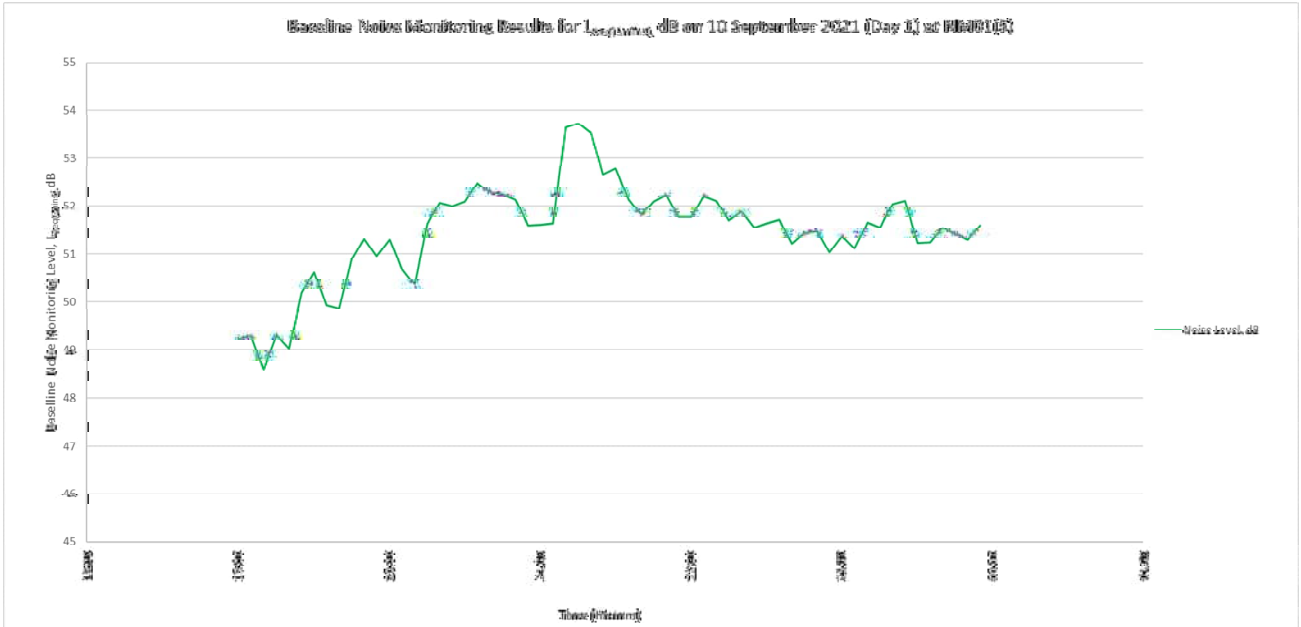

Baseline Noise Monitoring Results for $L_{eq(5min)}$, dB on 24 June 2022 (Day 2) at NM15
100
90
80
70
60
50
40
Noise Level, dB
Time (hh:mm)

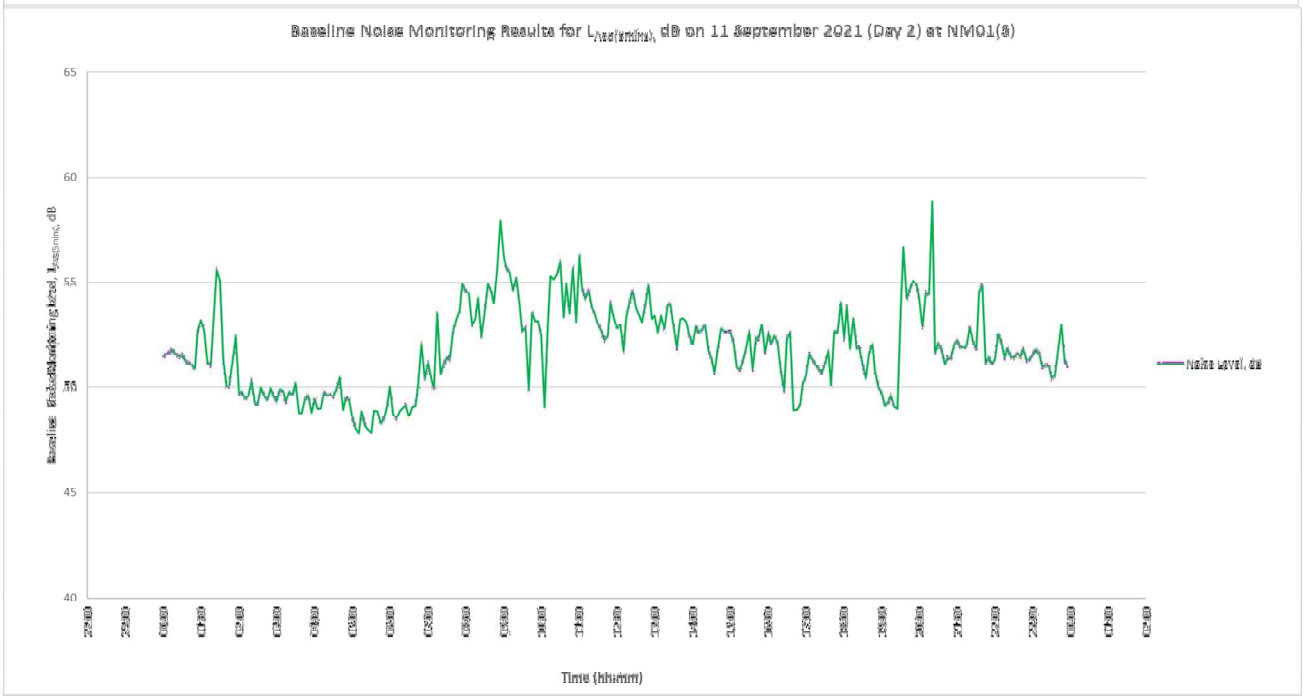

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 25 June 2022 (Day 3) at NM15
100
90
80
70
60
50
40
Noise Level, dB

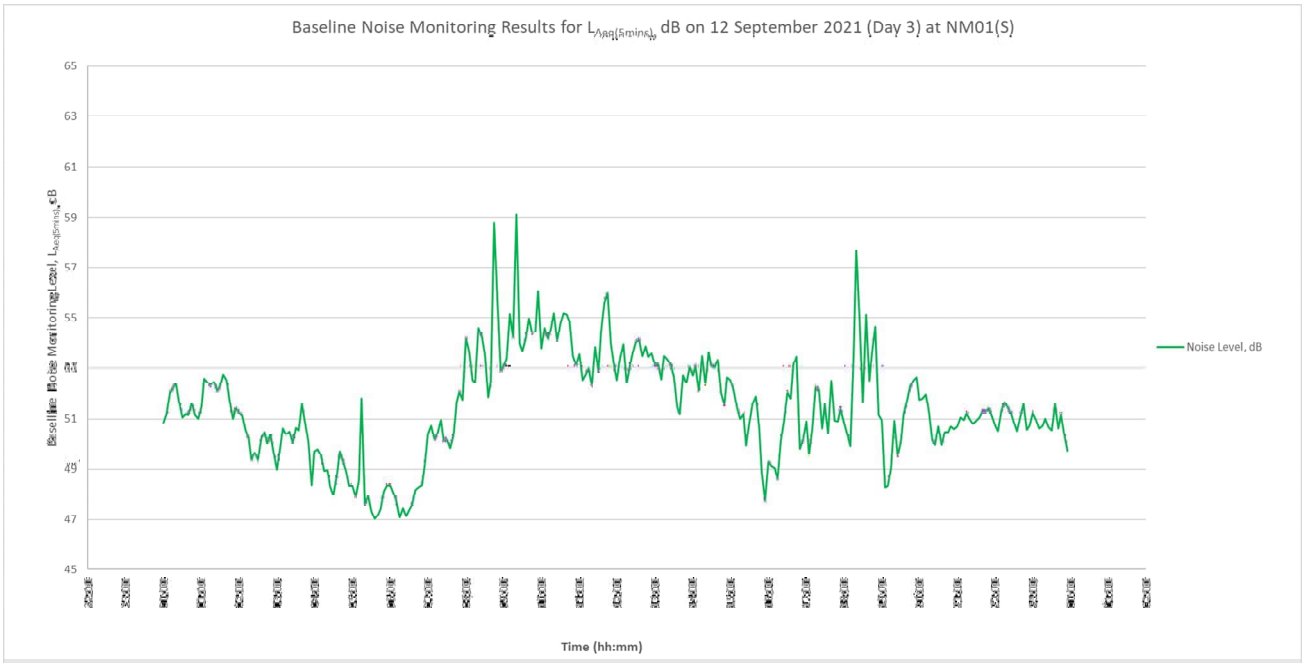

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$ dB on 26 June 2022 (Day 4) at NM15
100
90
80
70
60
50
40
Noise Level, dB
Time (hhmm)

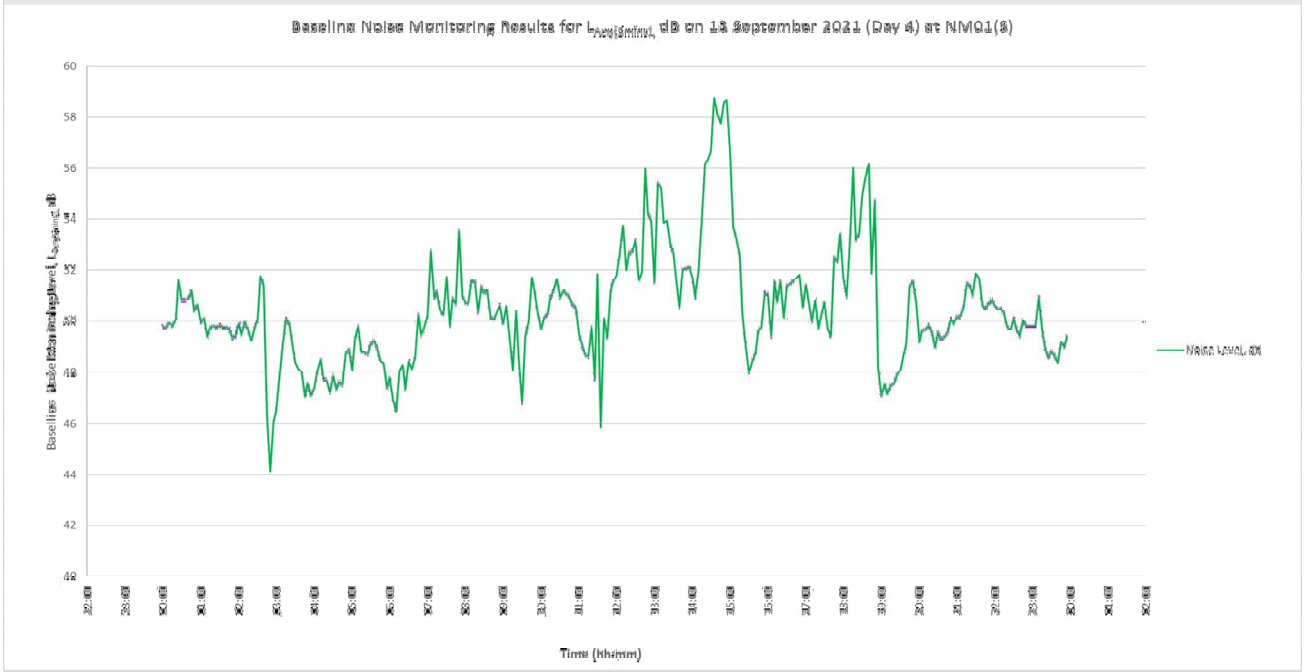

100
90
80
60
50
40
Noise Level, dB

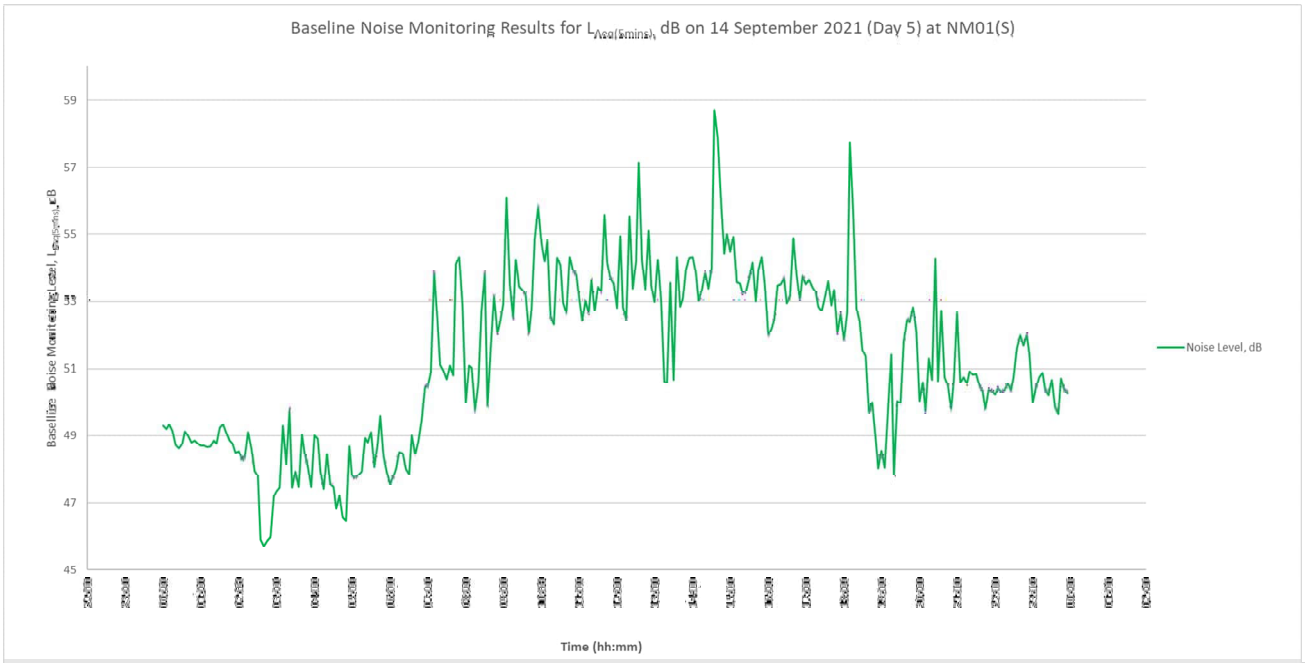

Baseline Noise Monitoring Results for $L_{eq(5min)}$, dB on 28 June 2022 (Day 6) at NM15
100
90
80
70
60
50
40
Noise Level, dB
Time (hh:mm)
Baseline Noise Monitoring Results for $L_{eq(5min)}$, dB on 29 June 2022 (Day 7) at NM15
100
90
80
70
60
50
40
Noise Level, dB
Time (hh:mm)

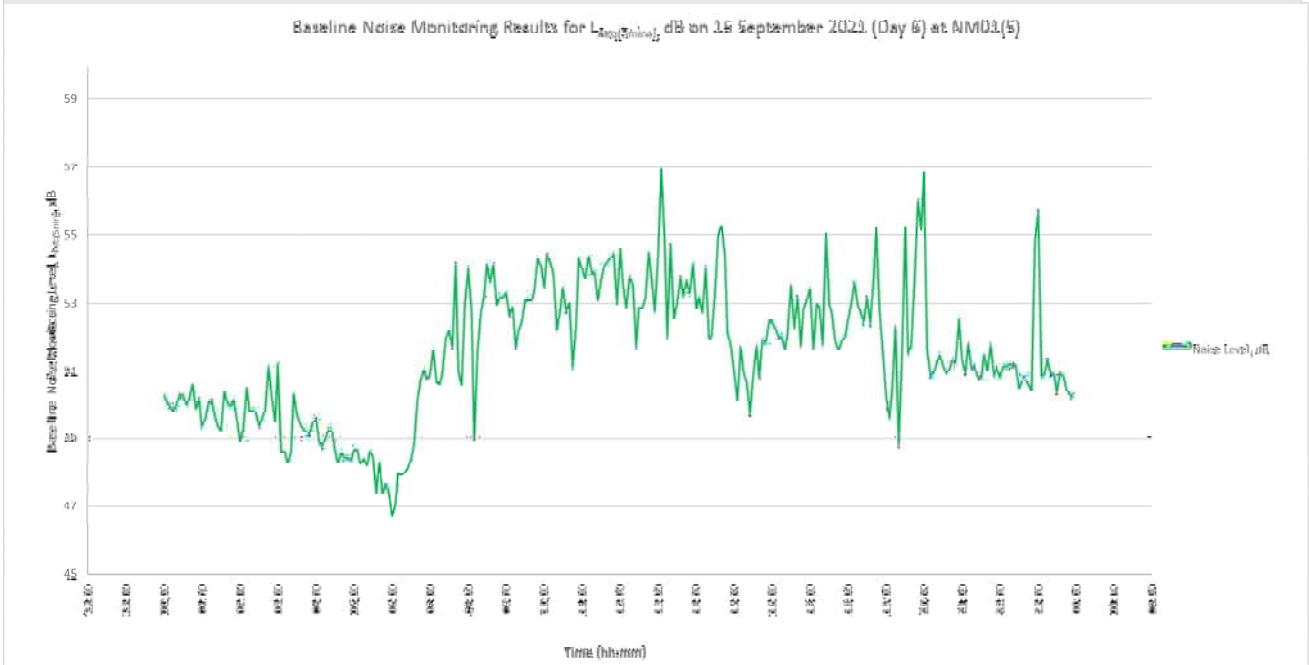

55
54
53
52
51
50
49
48
47
46
45

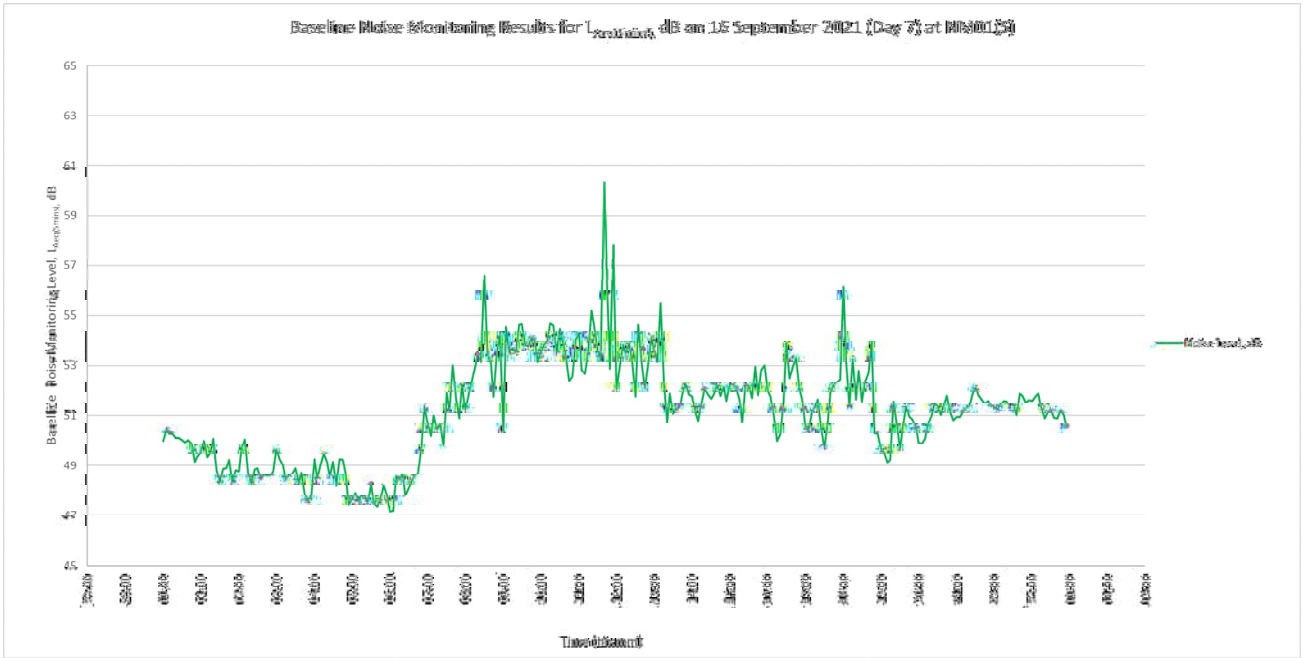

Baseline Noise Monitoring Results for $L_{eq(5min)}$, dB on 11 September 2021 (Day 2) at NM01(S)
65
60
55
50
45
40
Time (hh:mm)


Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$ dB on 12 September 2021 (Day 3) at NM01(S)
65
63
61
59
57
55
53
51
49
47
45
Noise Level, dB
Time (hh:mm)

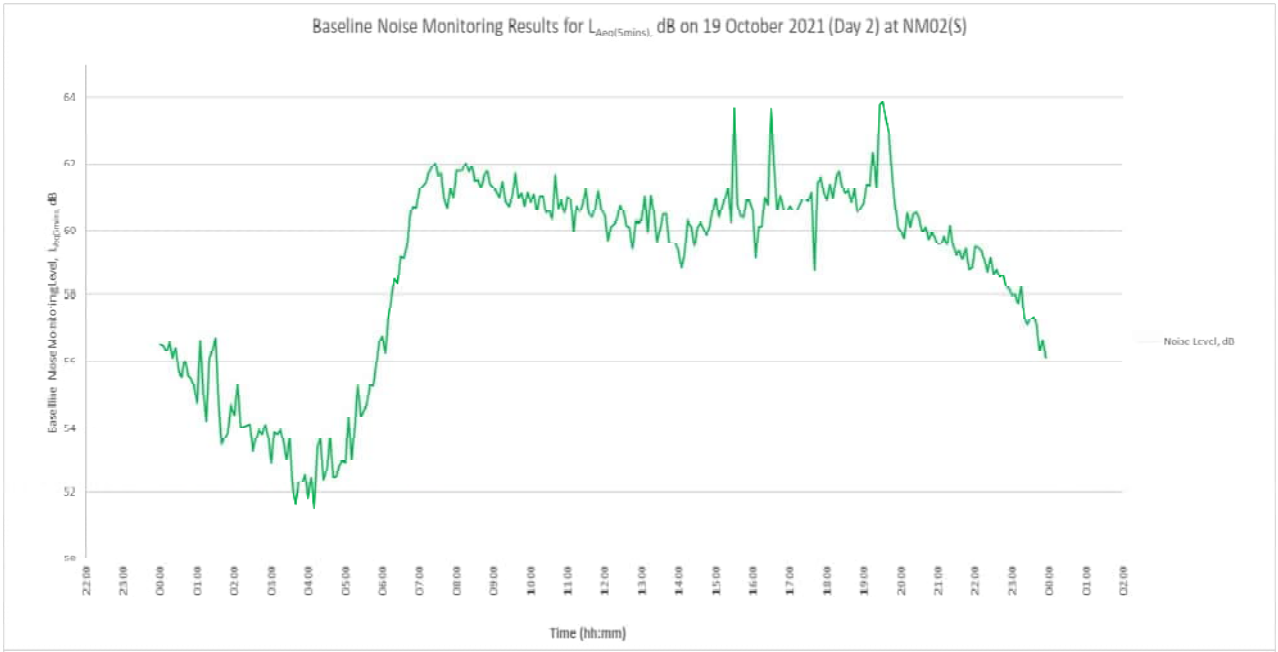

60
58
56
54
52
50
48
46
44
42
40
Time (hh:mm)

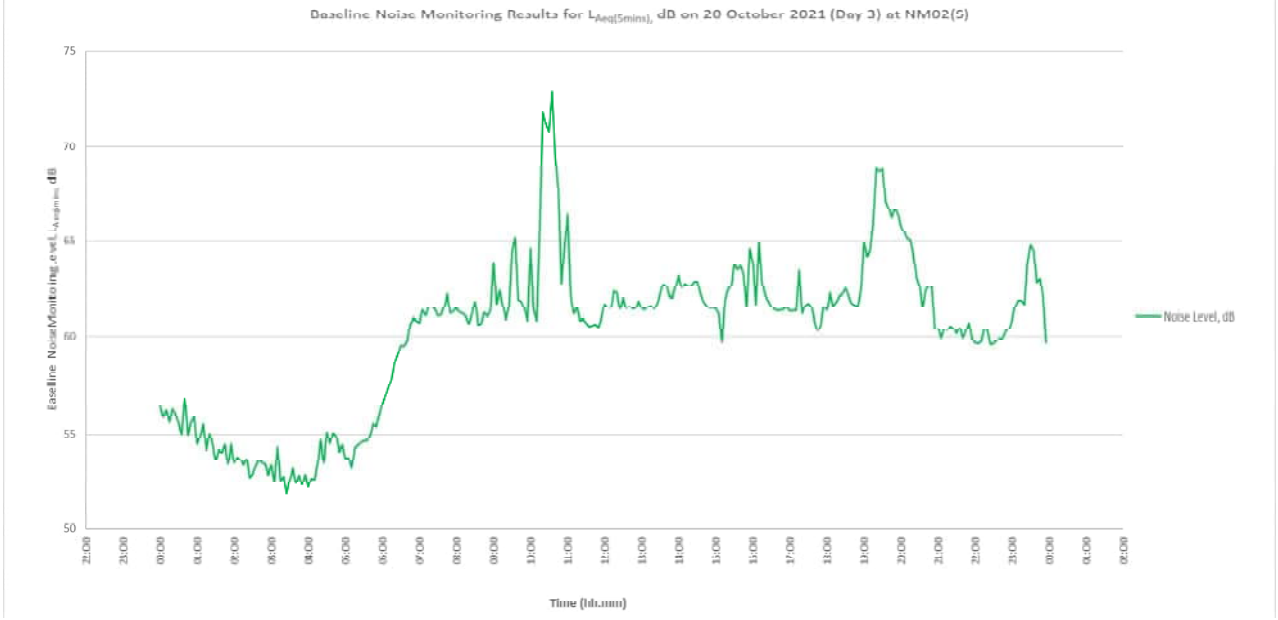

Baseline Noise Monitoring Results for $L_{Aeq(5minute)}$ dB on 14 September 2021 (Day 5) at NM01(S)
59
57
55
51
49
47
45
Noise Level, dB
Time (hh:mm)

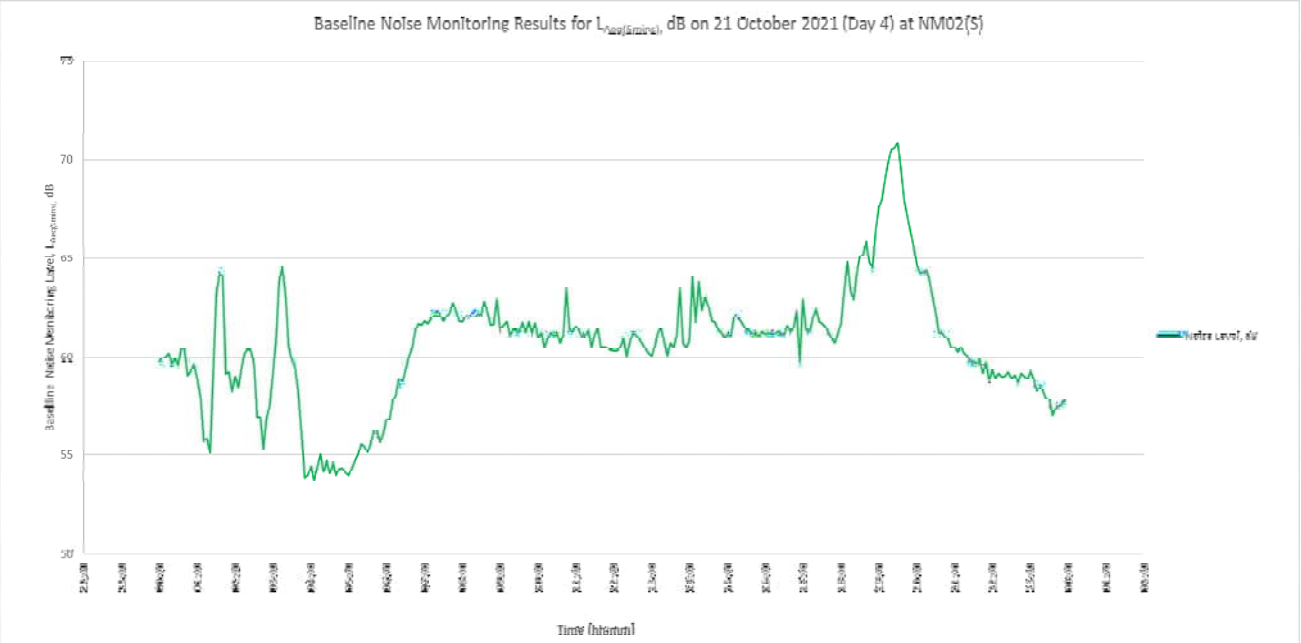

59
55
53
47
45
Noise Level, dB
Time (hh:mm)

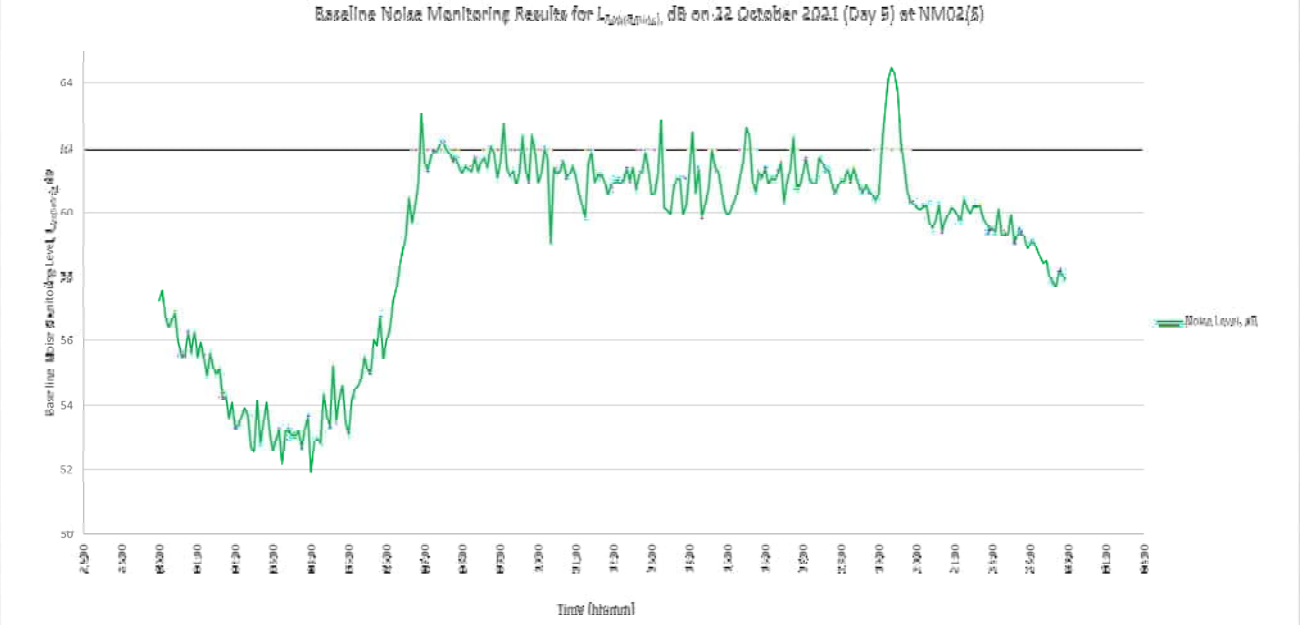

65
63
61
59
57
55
53
51
49
47
45

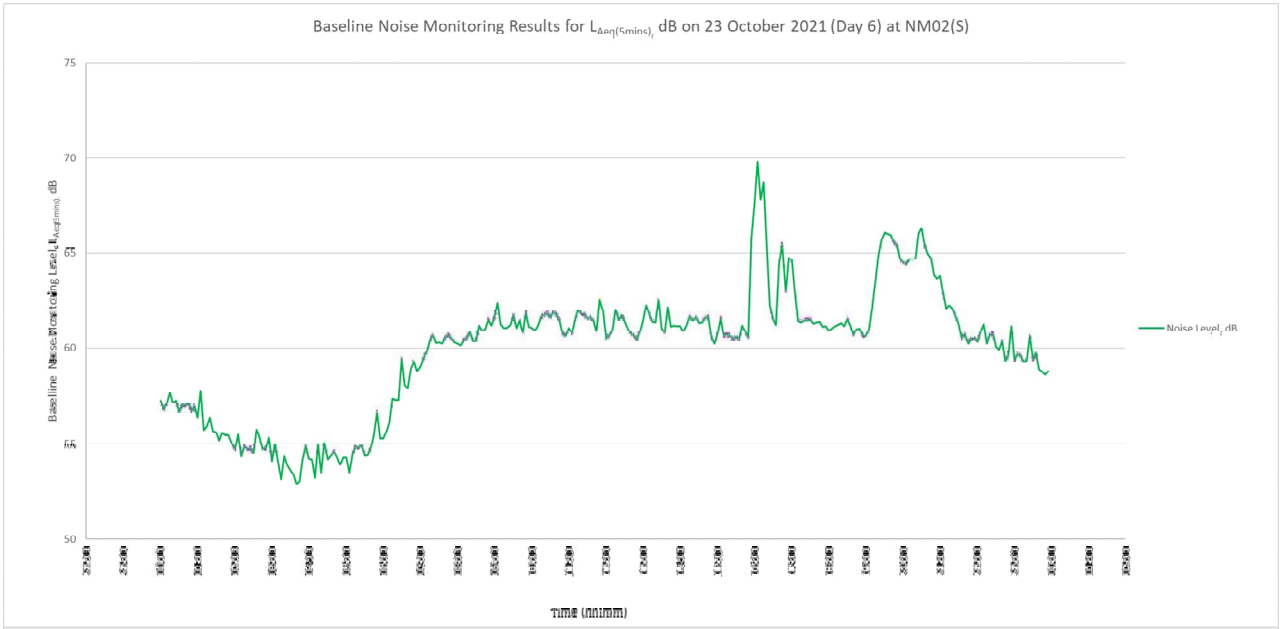

69
67
65
63
61
59
57
55

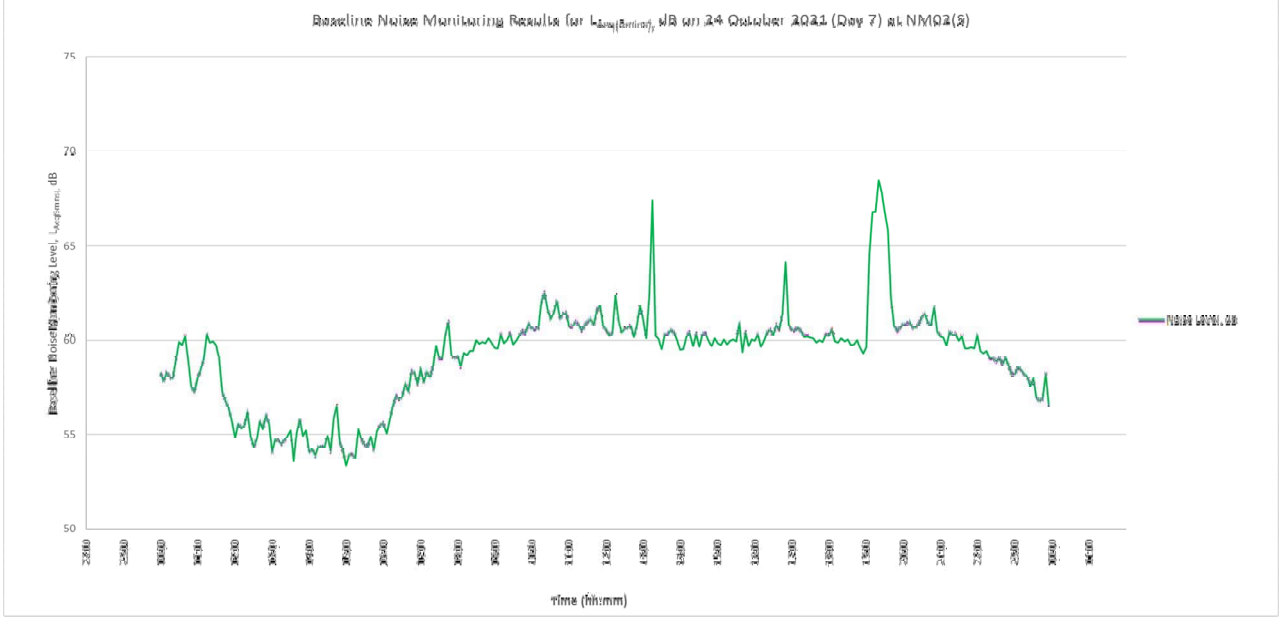

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 19 October 2021 (Day 2) at NM02(S)
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
64
62
60
58
56
54
52
50
22:00
23:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Time (hh:mm)
Noise Level, dB

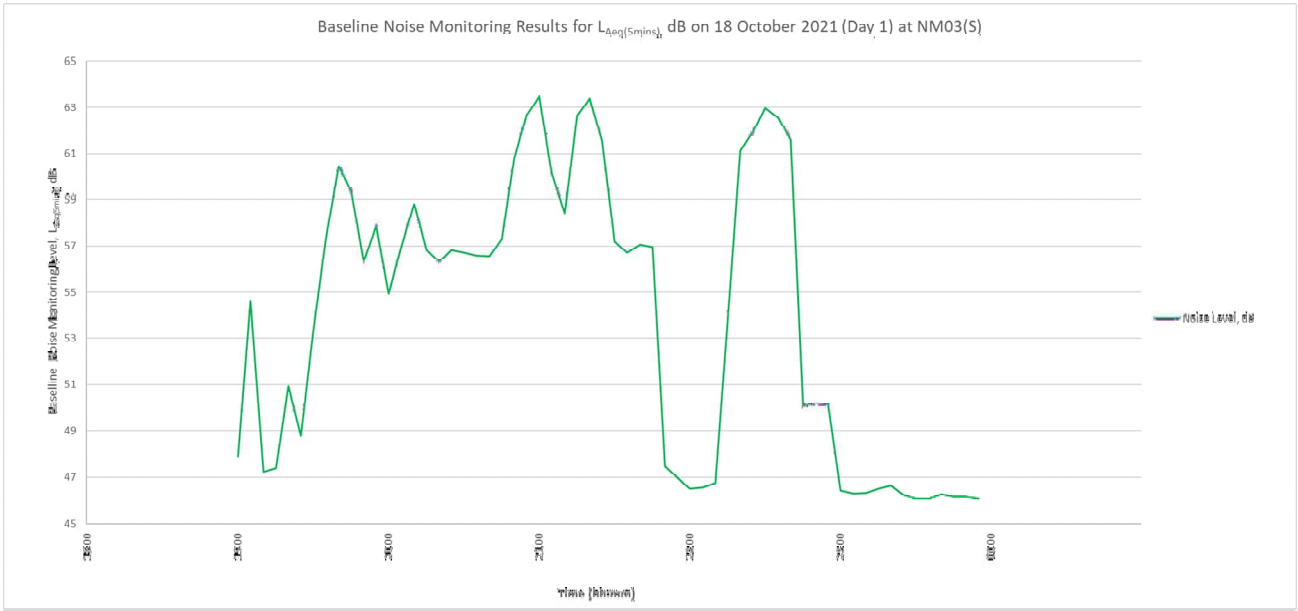

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 20 October 2021 (Day 3) at NM02(S)
Baseline Noise Monitoring Level, $L_{Aeq(5mins)}$, dB
75
70
65
60
55
50
22:00
23:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
Time (hh:mm)
Noise Level, dB

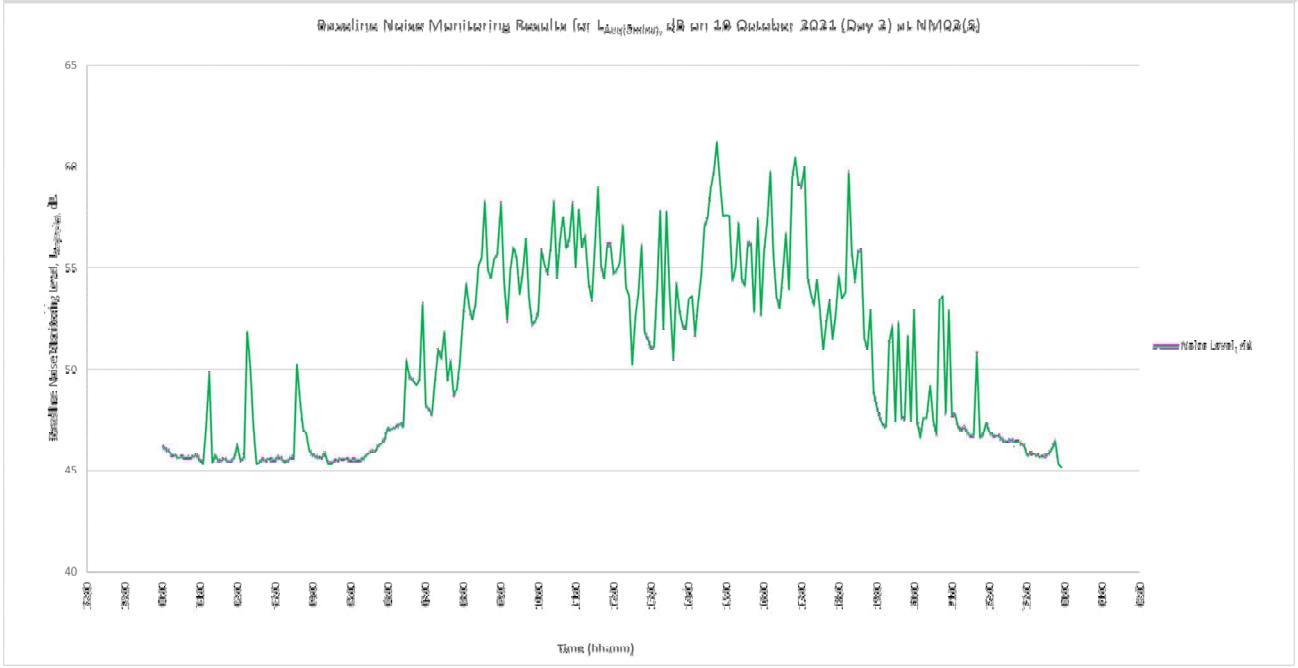

Baseline Noise Monitoring Results for $L_{eq(5min)}$, dB on 21 October 2021 (Day 4) at NM02(S)
70
65
60
55
50
Time (Interval)

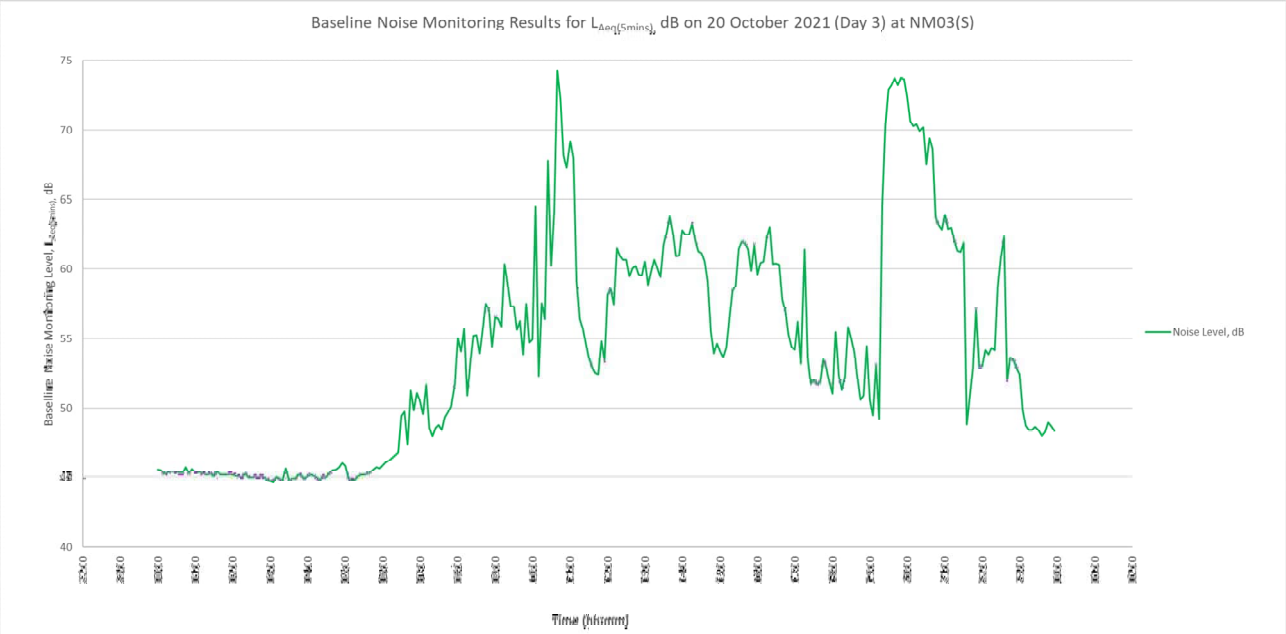

Baseline Noise Monitoring Results for $L_{eq(5min)}$, dB on 22 October 2021 (Day 5) at NM02(S)
64
62
60
58
56
54
52
50
Time (Interval)

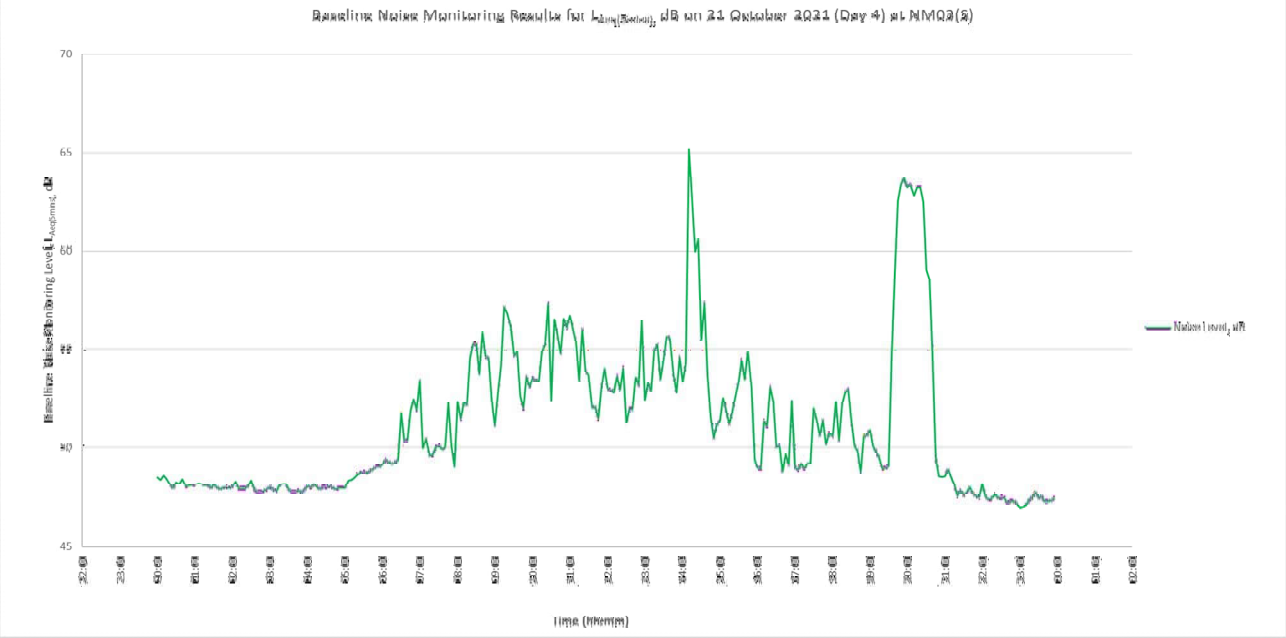

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$ dB on 23 October 2021 (Day 6) at NM02(S)
75
70
65
60
55
50
Time (hh:mm)

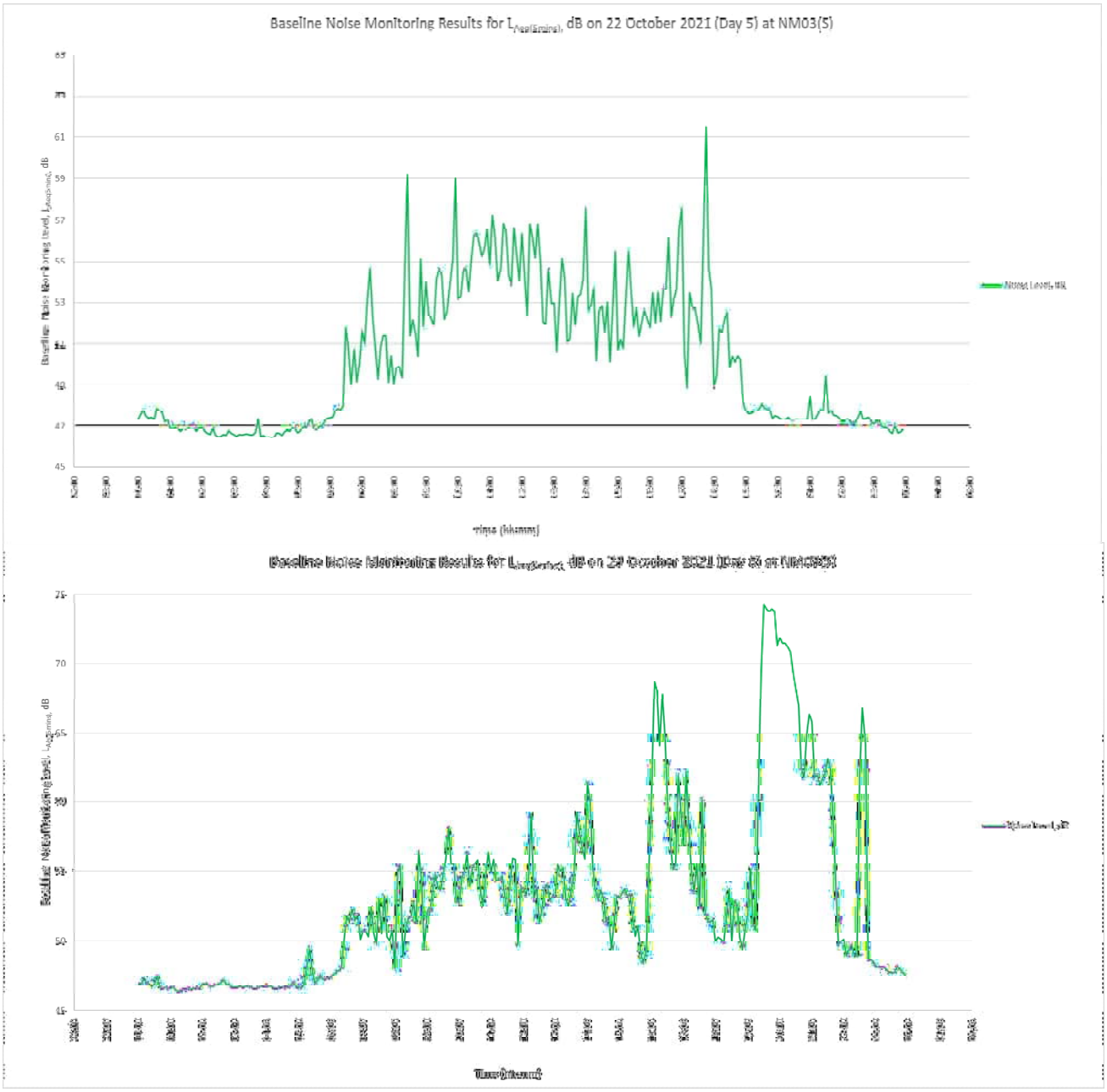

75
70
65
60
55
50
Time (hh:mm)

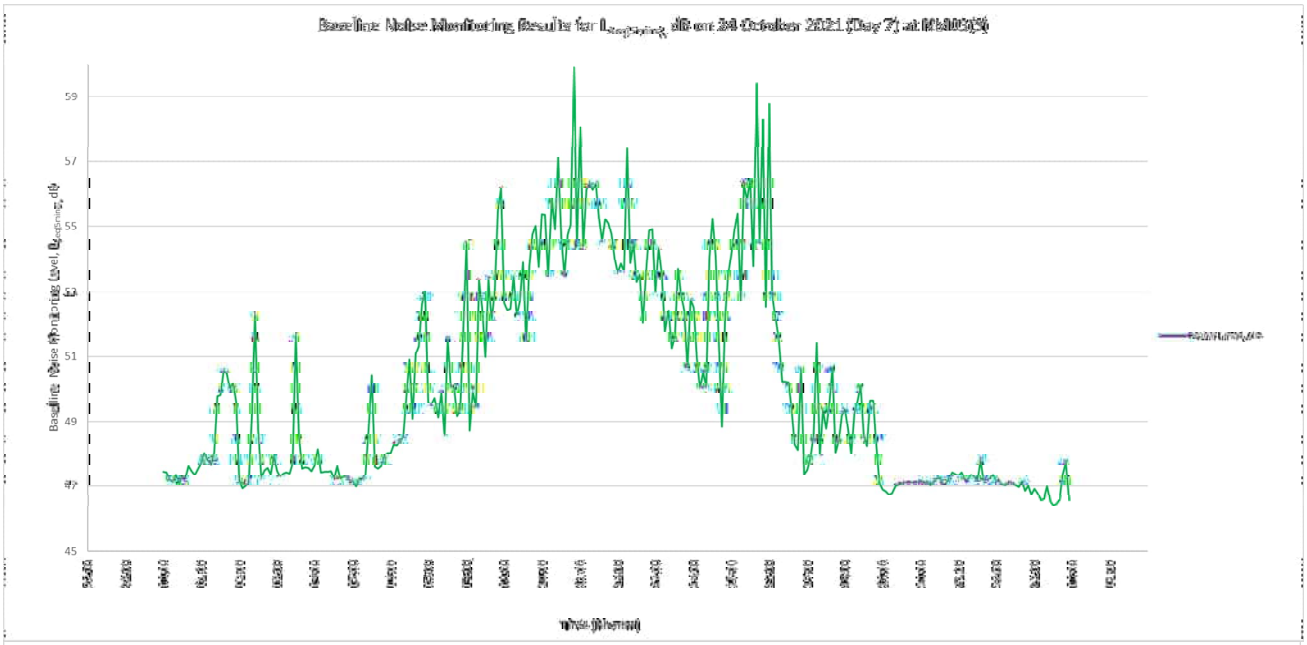

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$ dB on 18 October 2021 (Day 1) at NM03(S)
Noise Level, dB

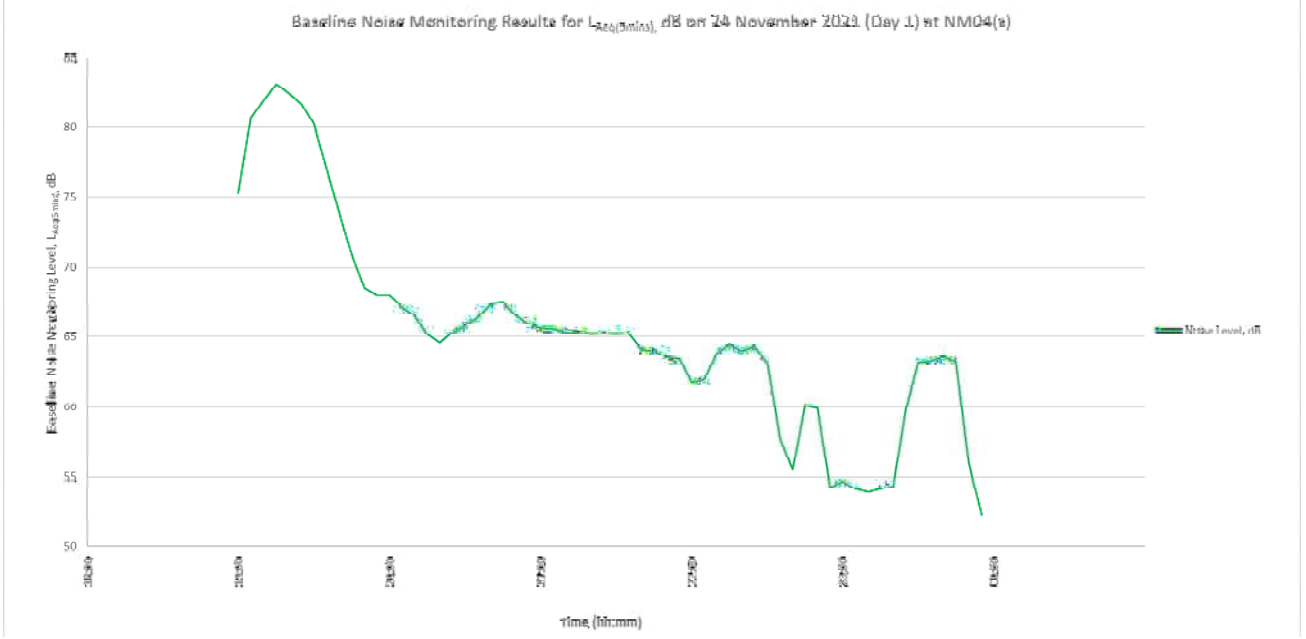

Noise Level, dB

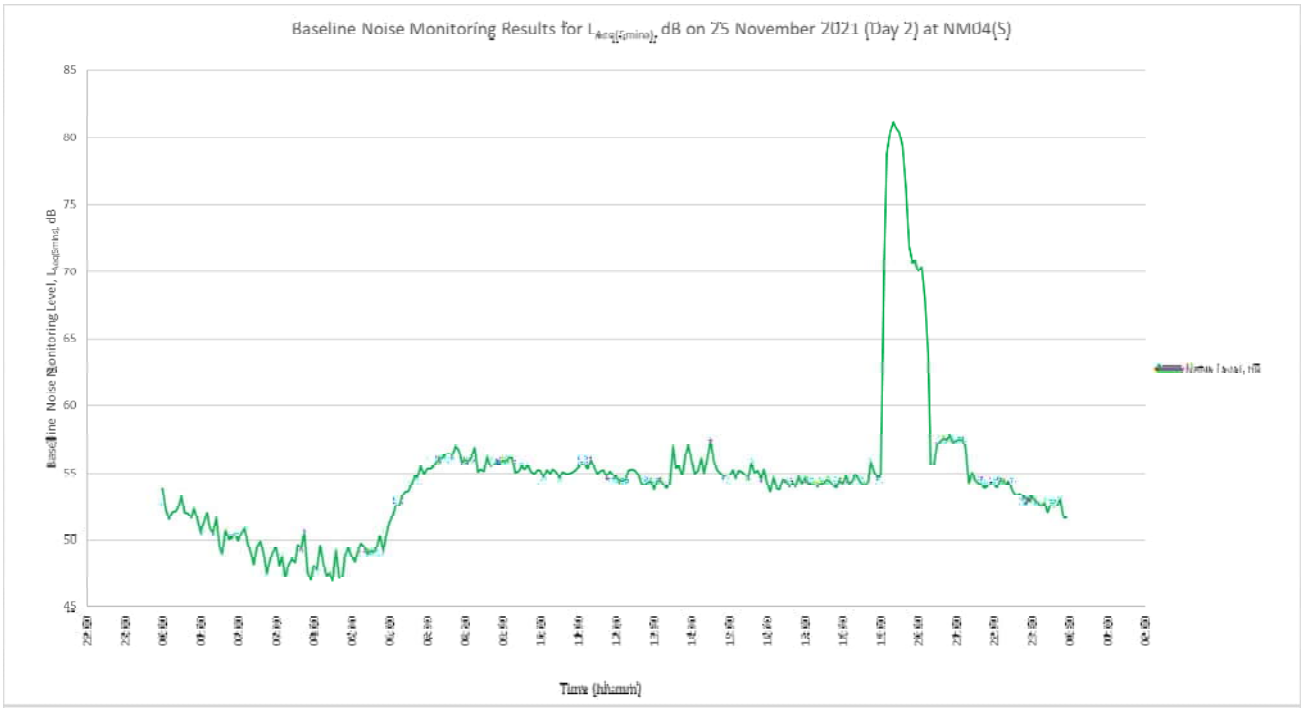

Baseline Noise Monitoring Results for $L_{Aeq[5mins]}$ dB on 20 October 2021 (Day 3) at NM03(S)
Noise Level, dB
Time (hh:mm)

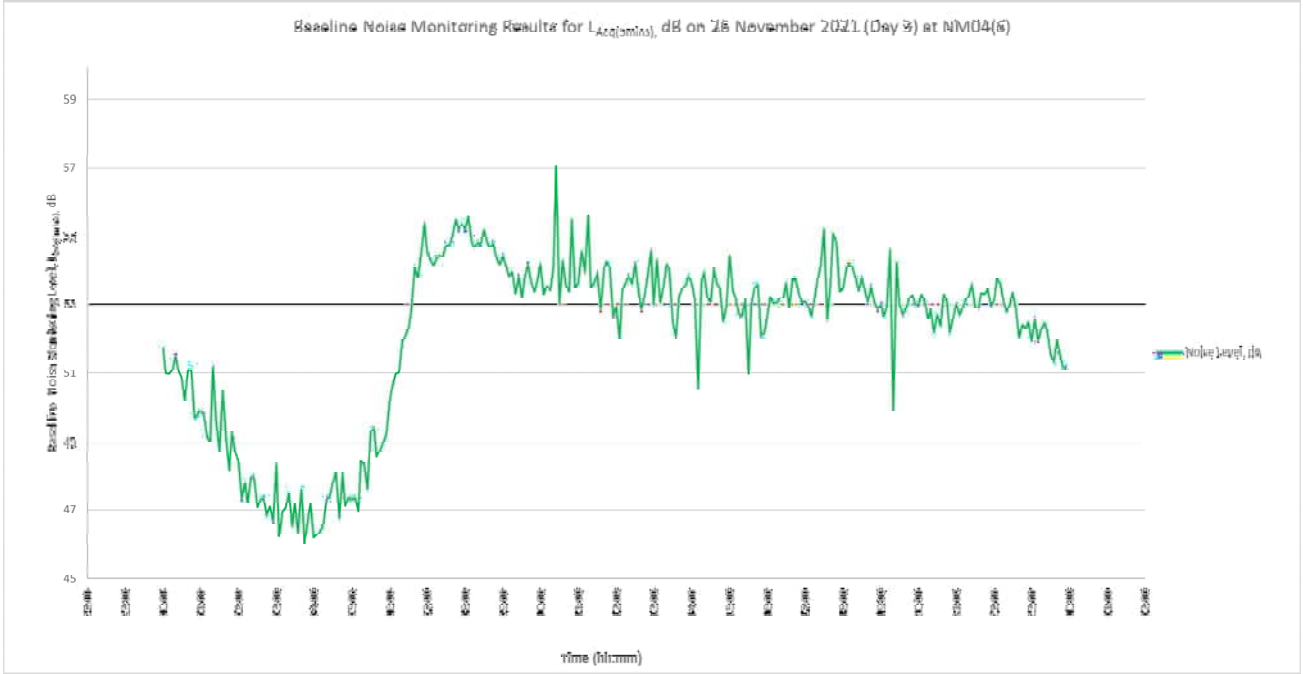

Time (hh:mm)

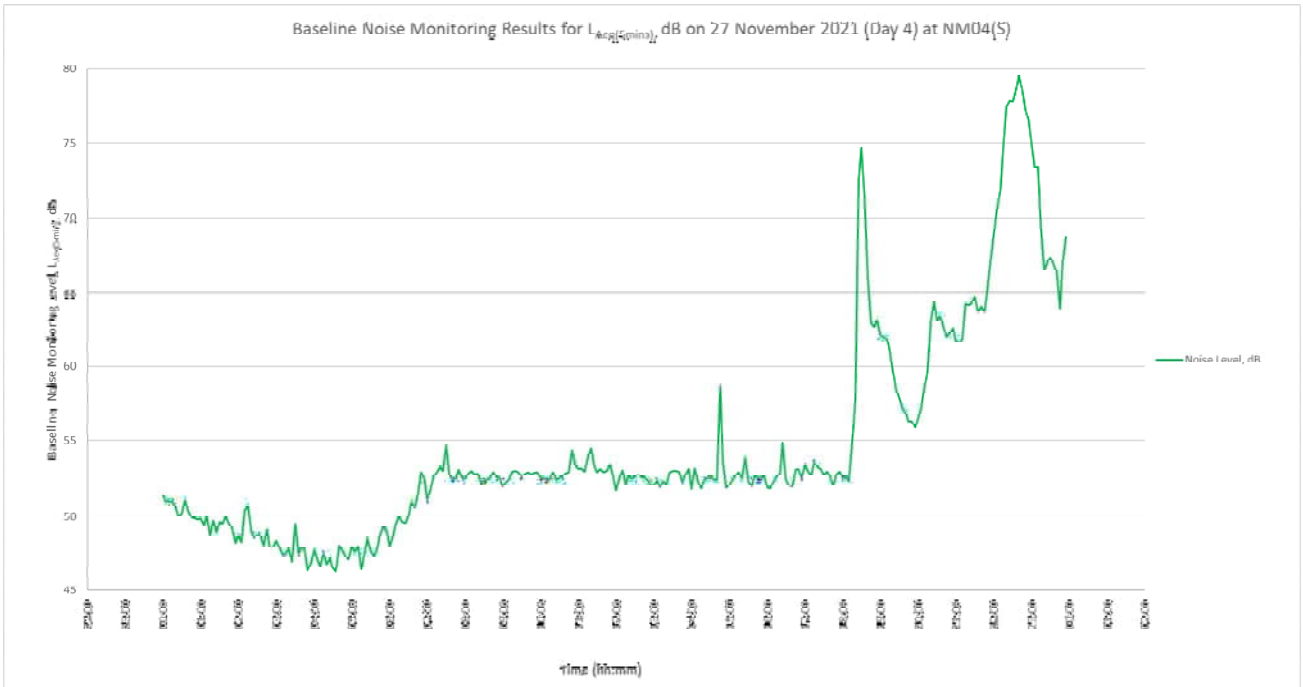

Baseline Noise Monitoring Results for $L_{eq(5min)}$, dB on 22 October 2021 (Day 5) at NM03(S)
61
59
57
55
53
51
49
47
45
Noise Level, dB

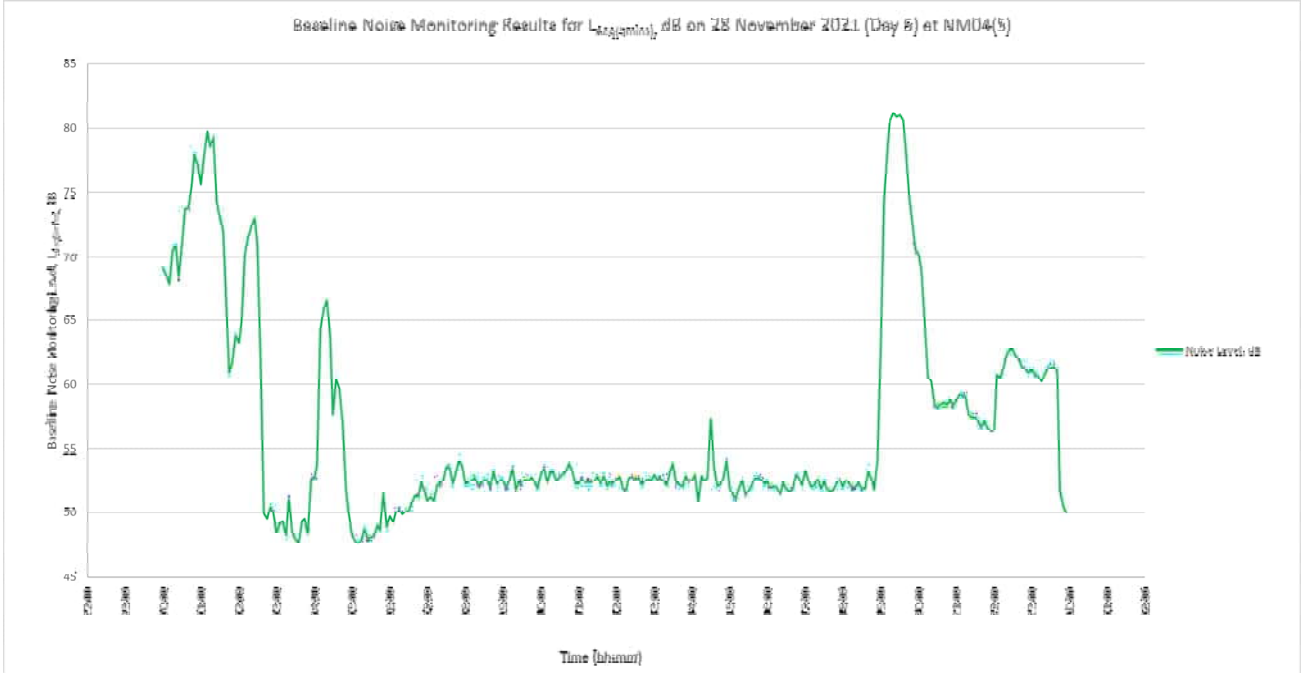

59
57
55
53
51
49
47
45

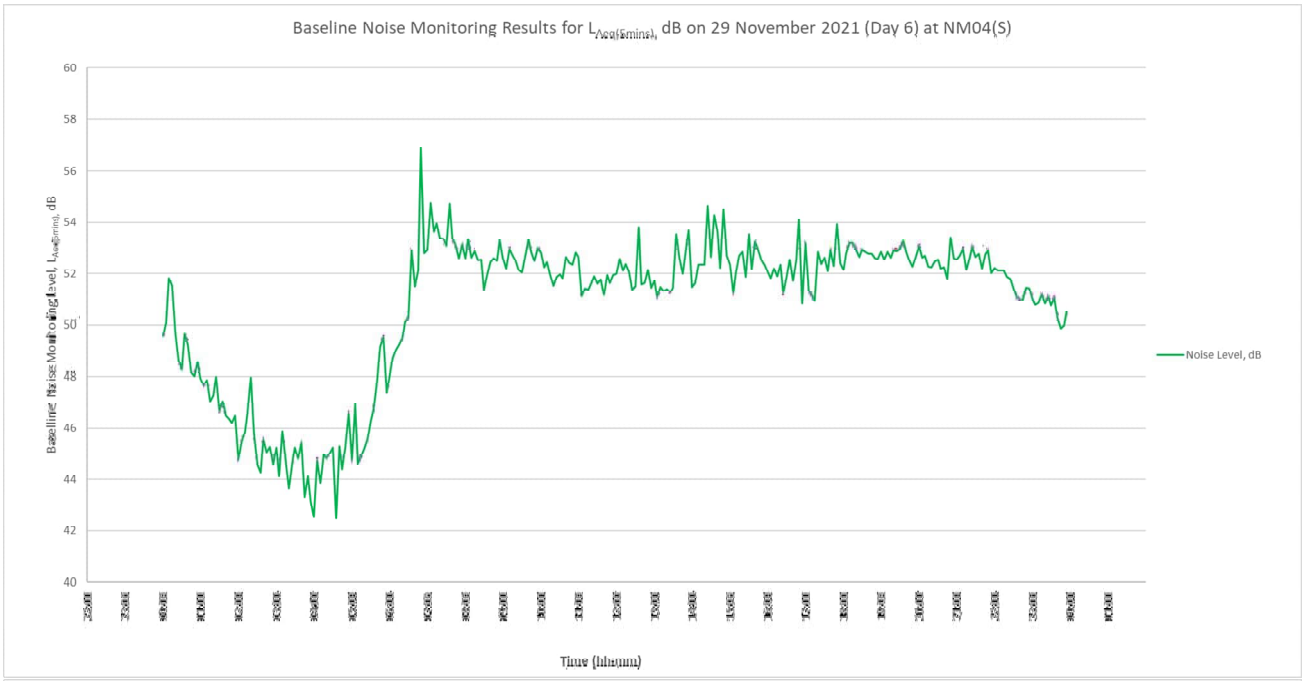

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 24 November 2022 (Day 1) at NM04(a)
80
75
70
65
60
55
50
Time (hh:mm)

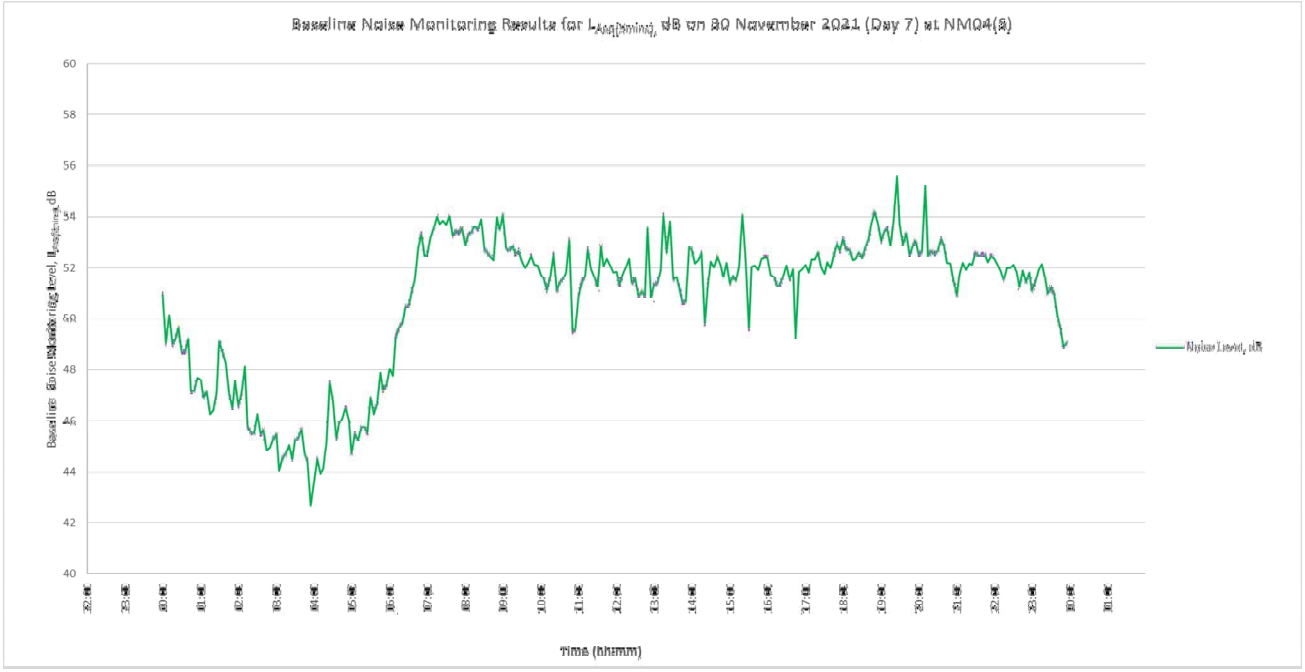

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 25 November 2021 (Day 2) at NM04(S)
85
80
75
70
65
60
55
50
45
Time (hh:mm)

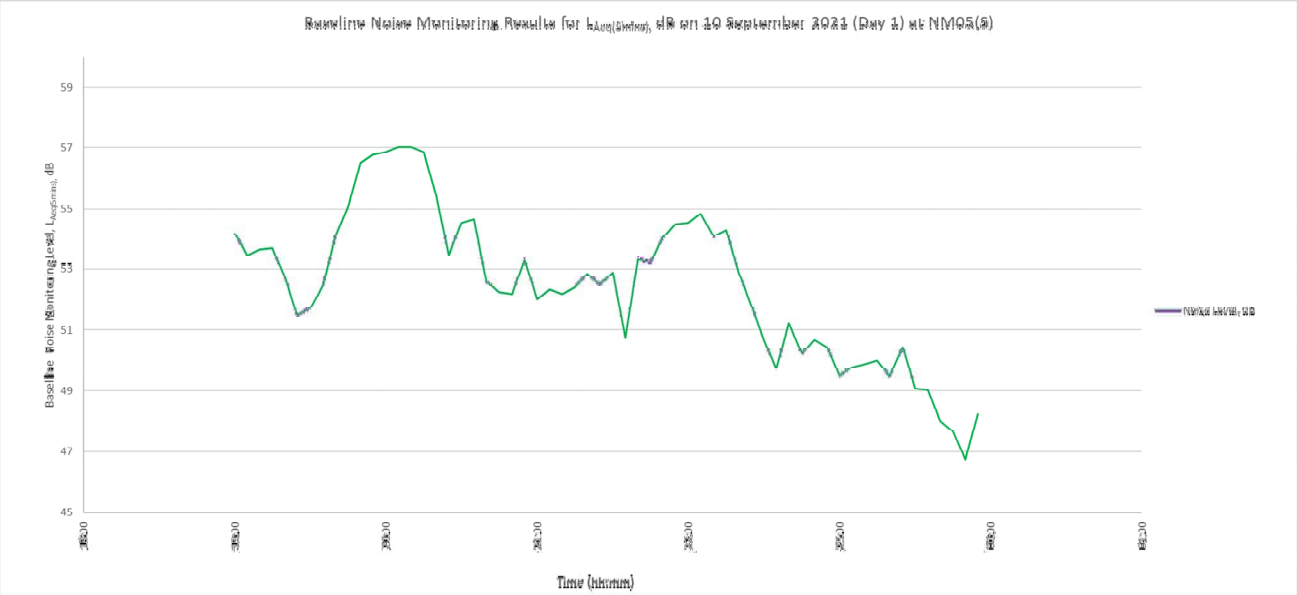

Baseline Noise Monitoring Results for $L_{Aeq(5mins)}$, dB on 26 November 2021 (Day 3) at NM04(S)
59
57
55
53
51
49
47
45
Time (hh:mm)

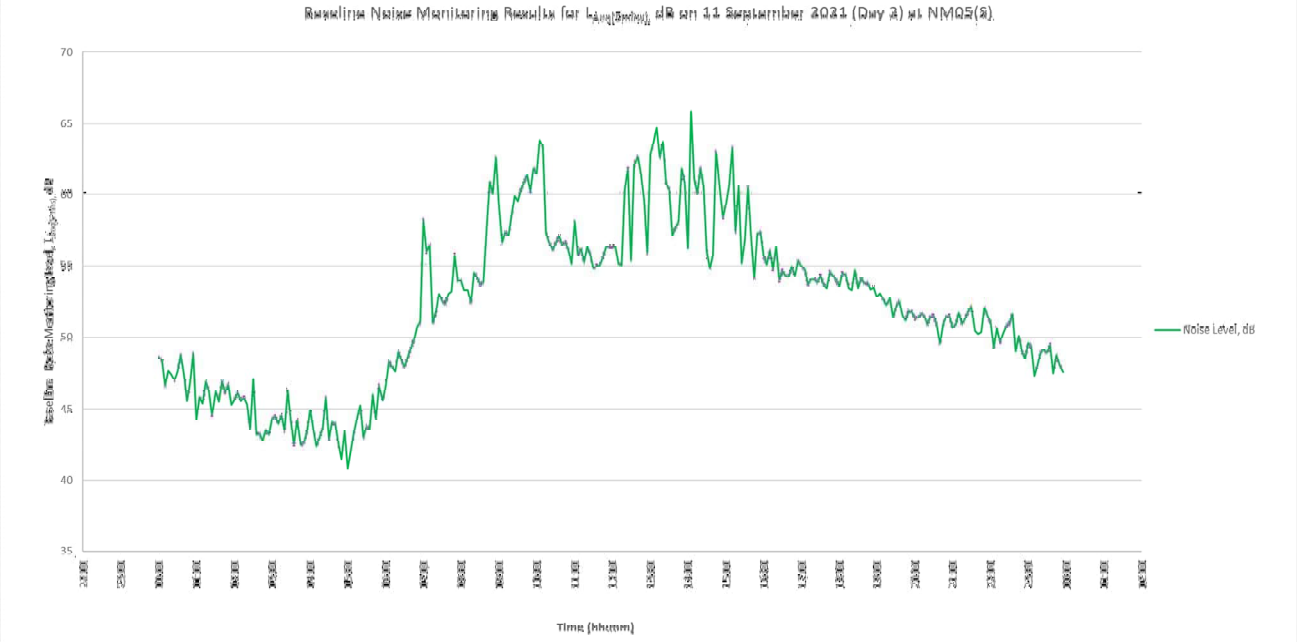

Baseline Noise Monitoring Results for $L_{eq(5min)}$ dB on 27 November 2021 (Day 4) at NM04(5)
80
75
70
65
60
55
50
45
Noise Level, dB
Time (hh:mm)

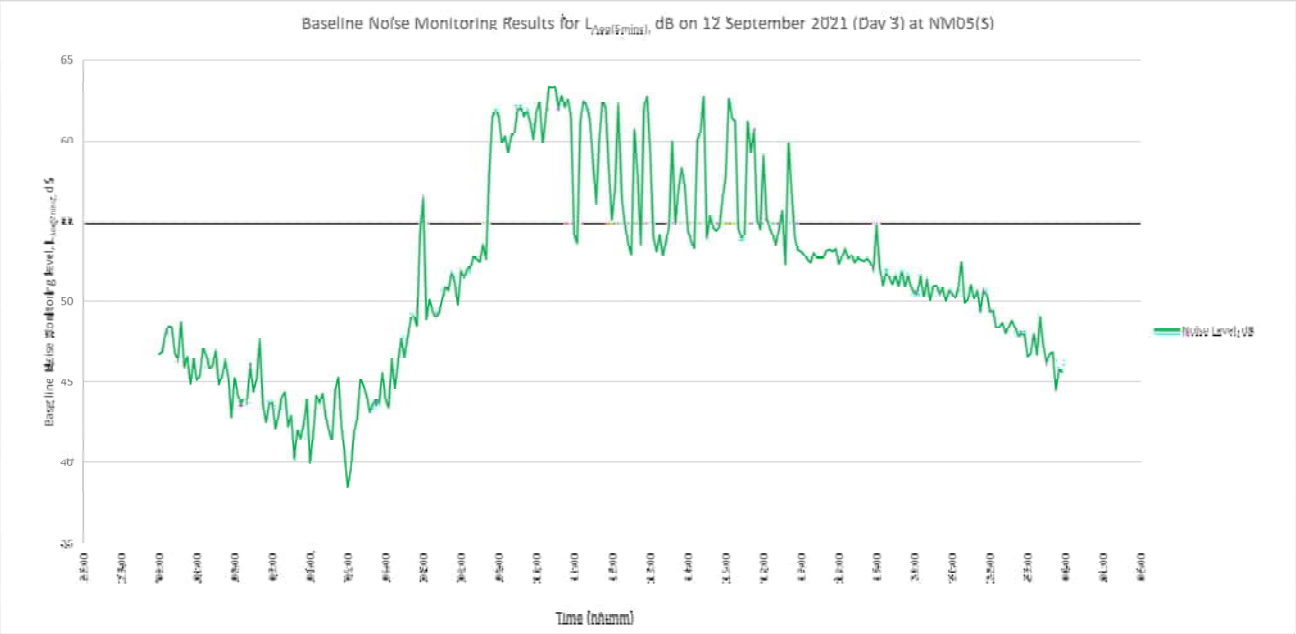

Baseline Noise Monitoring Results for $L_{eq(5min)}$ dB on 28 November 2021 (Day 5) at NM04(5)
85
80
75
70
65
60
55
50
45
Noise Level, dB
Time (hh:mm)

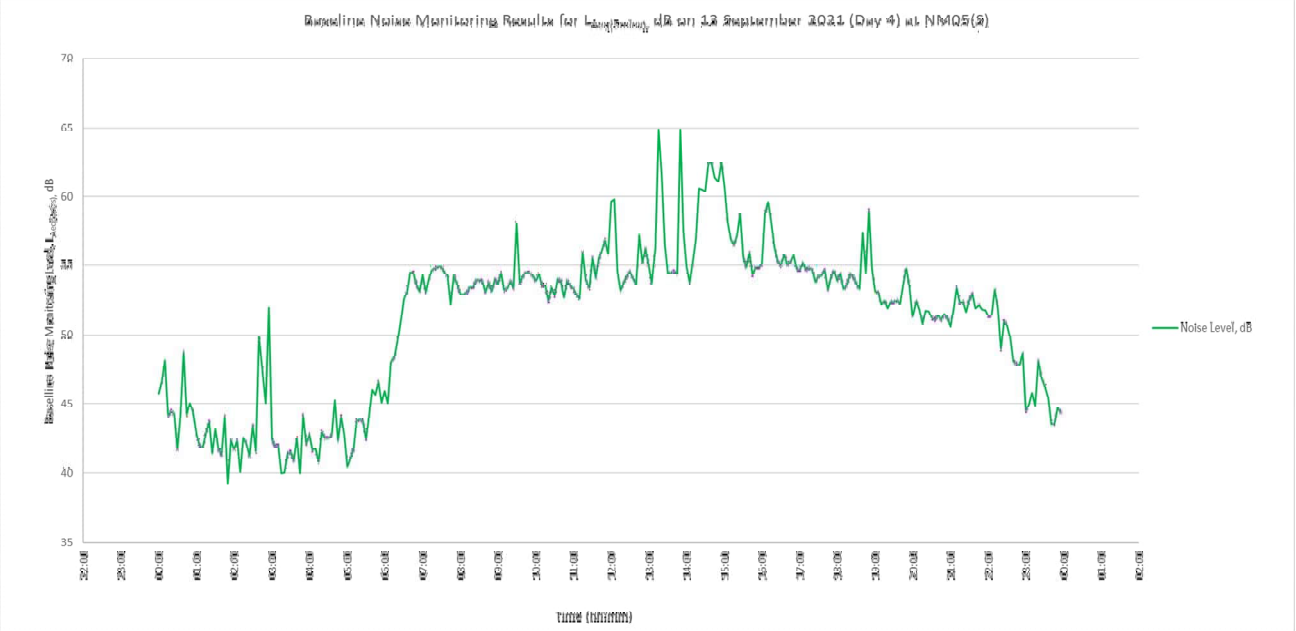

Baseline Noise Monitoring Results for $L_{Aeq(5min)}$ dB on 29 November 2021 (Day 6) at NM04(S)
60
58
56
54
52
50
48
46
44
42
40
Noise Level, dB

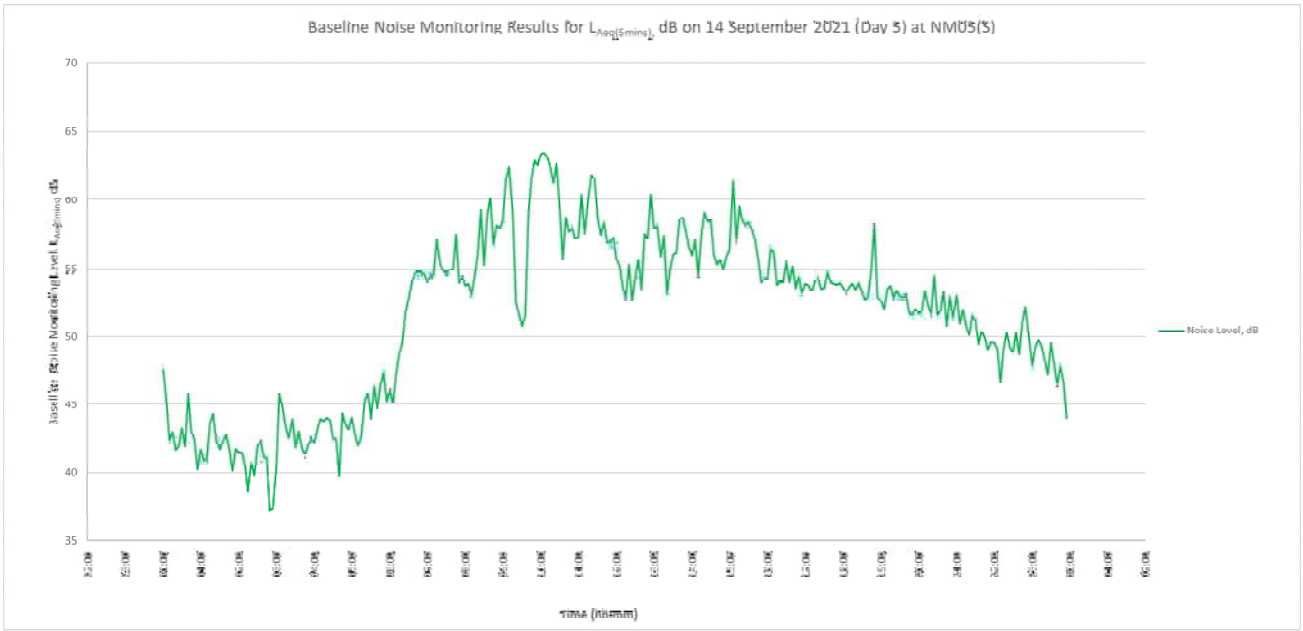

60
58
56
54
52
50
48
46
44
42
40

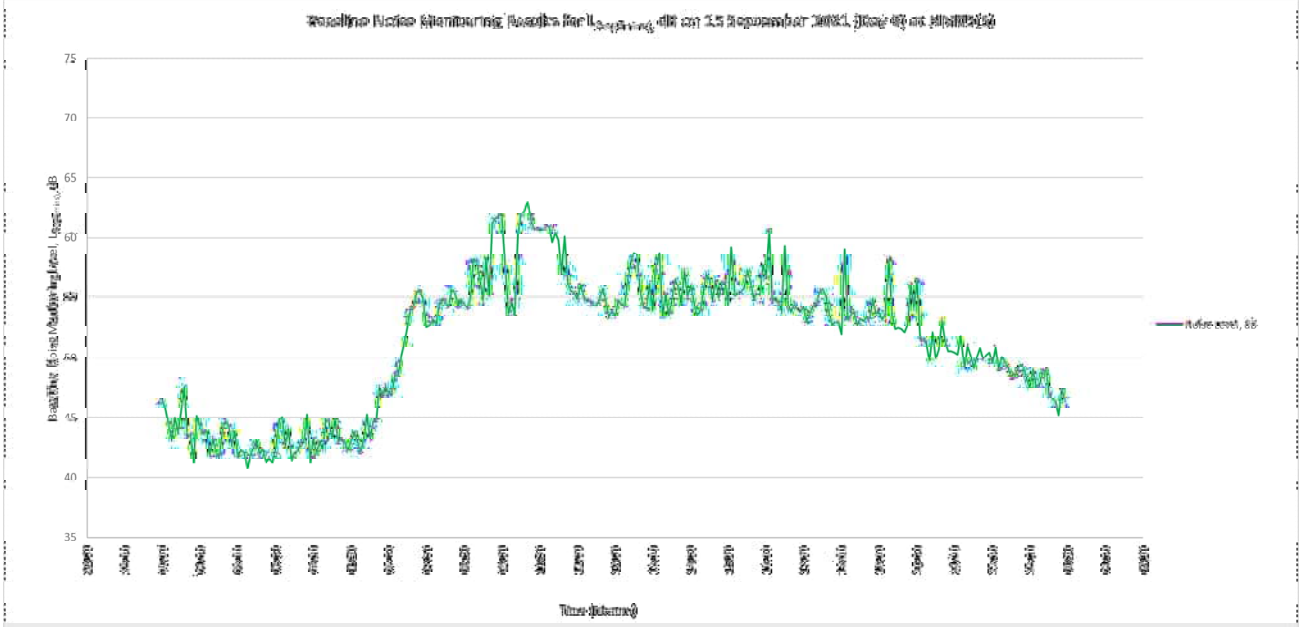

Baseline Noise Monitoring Result for $L_{Aeq(30min)}$ dB on 10 September 2021 (Day 1) at NM05(3)
59
57
55
53
51
49
47
45
Time (hh:mm)
Noise Level, dB

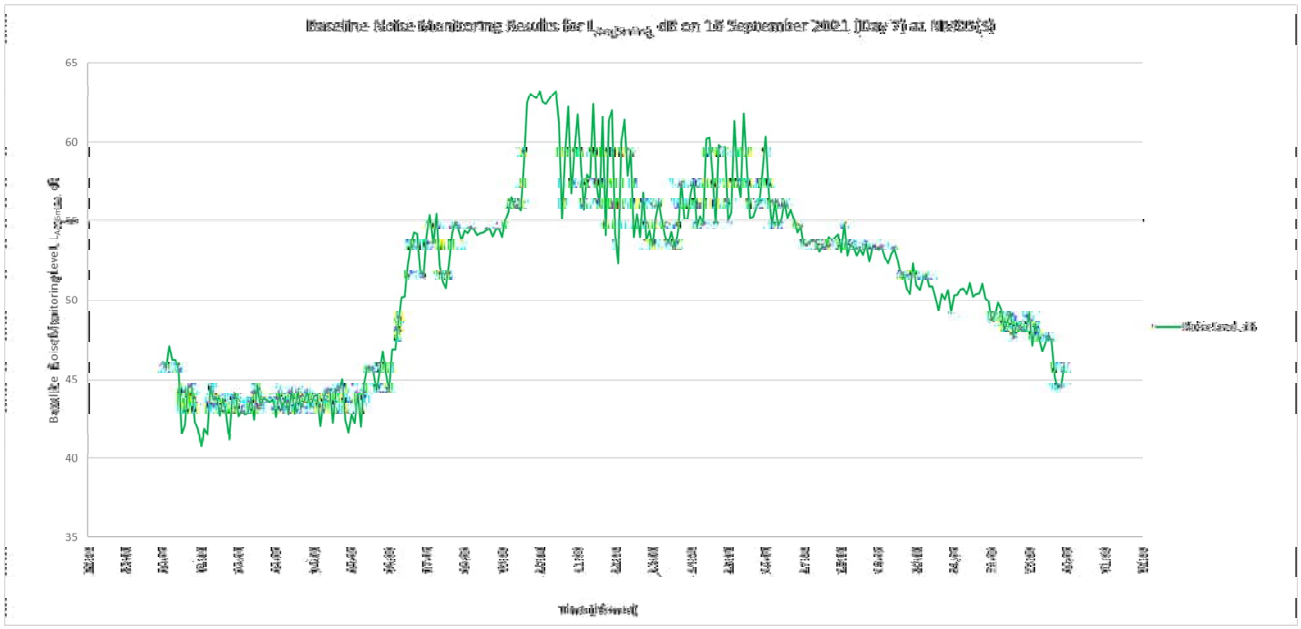

Baseline Noise Monitoring Result for $L_{Aeq(30min)}$ dB on 11 September 2021 (Day 2) at NM05(3)
70
65
60
55
50
45
40
35
Time (hh:mm)
Noise Level, dB


Baseline Noise Monitoring Results for $L_{Aeq(5min)}$, dB on 12 September 2021 (Day 3) at NM05(S)
65
60
50
45
40
35
Noise Level, dB
Time (hh:mm)


70
65
60
50
45
40
35
Noise Level, dB


Baseline Noise Monitoring Results for $L_{Aeq[5mins]}$ dB on 14 September 2021 (Day 5) at NM05(S)
70
65
60
55
50
45
40
35
Noise Level, dB
Time (hh:mm)


75
70
65
60
55
50
45
40
35


65
60
50
45
40
35

Appendix O

Airborne Noise and Ground-borne Vibration Sensitive Receptors

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008; Jain et al. 2018)	Species of conservation significance	Distribution/Rarity (Khew, 2015)	Probable species	Recorded species	Remarks	Vibration-sensitivity	Auditory-sensitivity
1	Hesperiidae	*Ampittia dioscorides camertes*	Bush hopper	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
2	Hesperiidae	*Ancistroides nigrita maura*	Chocolate demon	Not Assessed	Not Assessed	No	Common	Yes	Yes		Priority 1	Priority 1
3	Hesperiidae	*Astictopterus jama jama*	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Yes	No		Priority 1	Priority 1
4	Hesperiidae	*Baoris farri farri*	Bamboo paintbrush swift	Not Assessed	Not Assessed	No	Moderately rare	Yes	No		Priority 1	Priority 1
5	Hesperiidae	*Baoris oceia*	Paintbrush swift	Not Assessed	Not Assessed	No	Moderately rare	Yes	No		Priority 1	Priority 1
6	Hesperiidae	*Borbo cinnara*	Formosan swift	Not Assessed	Endangered	Yes	Moderately common	Yes	Yes		Priority 1	Priority 1
7	Hesperiidae	*Bibasis etelka*	Great orange awlet	Not Assessed	Not Assessed	No	Rare	Yes	No		Priority 1	Priority 1
8	Hesperiidae	*Bibasis harisa consobrina*	Orange awlet	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Recorded in NSS, 2021	Priority 1	Priority 1
9	Hesperiidae	*Caltoris cormasa*	Full stop swift	Not Assessed	Not Assessed	No	Moderately rare	Yes	Yes		Priority 1	Priority 1
10	Hesperiidae	*Cephrenes acalle niasicus*	Plain palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Yes	No		Priority 1	Priority 1
11	Hesperiidae	*Cephrenes trichopepla*	Yellow palm dart	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
12	Hesperiidae	*Erionota acroleuca apicalis*	White tipped banana skipper	Not Assessed	Not Assessed	No	Moderately rare	Yes	No		Priority 1	Priority 1
13	Hesperiidae	*Erionota thrax thrax*	Banana skipper	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
14	Hesperiidae	*Erionota torus*	Torus skipper	Not Assessed	Not Assessed	No	Moderately rare	Yes	No		Priority 1	Priority 1
15	Hesperiidae	*Halpe ormenes vilasina*	Dark banded ace	Not Assessed	Not Assessed	No	Rare	Yes	No		Priority 1	Priority 1
16	Hesperiidae	*Hasora badra badra*	Common awl	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
17	Hesperiidae	*Hasora chromus chromus*	Common banded awl	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Recorded in NSS, 2021	Priority 1	Priority 1
18	Hesperiidae	*Hasora vitta vitta*	Plain banded awl	Not Assessed	Not Assessed	No	Moderately rare	Yes	No		Priority 1	Priority 1
19	Hesperiidae	*Hidari irava*	Coconut skipper	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
20	Hesperiidae	*Iambrix salsala salsala*	Chestnut bob	Not Assessed	Not Assessed	No	Common	Yes	Yes		Priority 1	Priority 1
21	Hesperiidae	*Iambrix stellifer*	Starry bob	Not Assessed	Not Assessed	No	Moderately rare	Yes	No		Priority 1	Priority 1
22	Hesperiidae	*Matapa aria*	Common redeye	Not Assessed	Not Assessed	No	Moderately rare	Yes	No		Priority 1	Priority 1
23	Hesperiidae	*Notocrypta paralysos varians*	Banded demon	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
24	Hesperiidae	*Oriens gola pseudolus*	Common dartlet	Not Assessed	Not Assessed	No	Moderately common	Yes	Yes		Priority 1	Priority 1
25	Hesperiidae	*Oriens paragola*	Malay dartlet	Not Assessed	Not Assessed	No	Rare	Yes	No	Recorded in NSS, 2021	Priority 1	Priority 1
26	Hesperiidae	*Pelopidas agna agna*	Bengal swift	Not Assessed	Endangered	Yes	Moderately common	Yes	No		Priority 1	Priority 1
27	Hesperiidae	*Pelopidas assamensis*	Great swift	Not Assessed	Not Assessed	No	Moderately rare	Yes	No		Priority 1	Priority 1
28	Hesperiidae	*Pelopidas conjunctus conjunctus*	Conjoined swift	Not Assessed	Not Assessed	No	Moderately rare	Yes	No		Priority 1	Priority 1
29	Hesperiidae	*Pelopidas mathias mathias*	Small branded swift	Not Assessed	Not Assessed	No	Common	Yes	Yes		Priority 1	Priority 1
30	Hesperiidae	*Plastingia naga*	Chequered lancer	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Recorded in NSS, 2021	Priority 1	Priority 1
31	Hesperiidae	*Polytremis lubricans lubricans*	Contiguous swift	Not Assessed	Not Assessed	No	Common	Yes	No	Recorded in NSS, 2021	Priority 1	Priority 1
32	Hesperiidae	*Potanthus ganda*	NA	Not Assessed	Not Assessed	No	NA	Yes	No		Priority 1	Priority 1
33	Hesperiidae	*Potanthus omaha omaha*	Lesser dart	Not Assessed	Not Assessed	No	Common	Yes	Yes		Priority 1	Priority 1
34	Hesperiidae	*Potanthus serina*	Large dart	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
35	Hesperiidae	*Potanthus trachala tytleri*	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Yes	No		Priority 1	Priority 1
36	Hesperiidae	*Pyroneura latoia latoia*	Yellow vein lancer	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
37	Hesperiidae	*Suastus gremius gremius*	Palm bob	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
38	Hesperiidae	*Tagiades japetus atticus*	Common snow flat	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
39	Hesperiidae	*Taractrocera archias quinta*	Yellow grass dart	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008; Jain et al. 2018)	Species of conservation significance	Distribution/Rarity (Khew, 2015)	Probable species	Recorded species	Remarks	Vibration-sensitivity	Auditory-sensitivity
40	Hesperiidae	*Taractrocera ardonia lamia*	Spotted grass dart	Not Assessed	Not Assessed	No	Moderately rare	Yes	No		Priority 1	Priority 1
41	Hesperiidae	*Telicota augias augias*	Pale palm dart	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
42	Hesperiidae	*Telicota besta bina*	Besta palm dart	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Recorded in NSS, 2021	Priority 1	Priority 1
43	Hesperiidae	*Telicota colon stinga*	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately common	Yes	Yes		Priority 1	Priority 1
44	Hesperiidae	*Udaspes folus*	Grass demon	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
45	Hesperiidae	*Zographetus doxus*	Spotted flitter	Not Assessed	Not Assessed	No	Rare	Yes	No		Priority 1	Priority 1
46	Lycaenidae	*Acytolepis puspa lambi*	Common hedge blue	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
47	Lycaenidae	*Allotinus unicolor unicolor*	Lesser darkwing	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
48	Lycaenidae	*Anthene emolus goberus*	Ciliate blue	Not Assessed	Not Assessed	No	Common	Yes	Yes		Priority 1	Priority 1
49	Lycaenidae	*Anthene lycaenina miya*	Pointed ciliate blue	Not Assessed	Not Assessed	No	Moderately rare	Yes	No		Priority 1	Priority 1
50	Lycaenidae	*Arhopala amphimuta amphimuta*	NA	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately common	Yes	Yes		Priority 1	Priority 1
51	Lycaenidae	*Arhopala centaurus nakula*	Centaur oakblue	Not Assessed	Not Assessed	No	Moderately common	Yes	Yes		Priority 1	Priority 1
52	Lycaenidae	*Arhopala major major*	NA	Not Assessed	Data Deficient	No	Common	Yes	No	Recorded in NSS, 2021	Priority 1	Priority 1
53	Lycaenidae	*Catochrysops panormus exiguus*	Silver forget-me-not	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Recorded in NSS, 2021	Priority 1	Priority 1
54	Lycaenidae	*Catochrysops strabo strabo*	Forget-me-not	Not Assessed	Not Assessed	No	Moderately rare	Yes	No		Priority 1	Priority 1
55	Lycaenidae	*Catopyrops ancyra*	Ancyra blue	Not Assessed	Vulnerable	Yes	Moderately rare	Yes	No	Recorded in NSS, 2021	Priority 1	Priority 1
56	Lycaenidae	*Chilades pandava pandava*	Cycad blue	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
57	Lycaenidae	*Curetis saronis sumatrana*	Sumatran sunbeam	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
58	Lycaenidae	*Drupadia ravindra moorei*	Common posy	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
59	Lycaenidae	*Eooxylides tharis distanti*	Branded imperial	Not Assessed	Not Assessed	No	Common	Yes	Yes		Priority 1	Priority 1
60	Lycaenidae	*Euchrysops cnejus cnejus*	Gram blue	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
61	Lycaenidae	*Everes lacturnus rileyi*	Indian cupid	Not Assessed	Not Assessed	No	Rare	Yes	No		Priority 1	Priority 1
62	Lycaenidae	*Flos apidanus saturatus*	Plain plushblue	Not Assessed	Not Assessed	No	Moderately common	Yes	Yes		Priority 1	Priority 1
63	Lycaenidae	*Hypolycaena erylus teatus*	Common tit	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
64	Lycaenidae	*Hypolycaena thecloides thecloides*	Dark tit	Not Assessed	Not Assessed	No	Moderately rare	Yes	No		Priority 1	Priority 1
65	Lycaenidae	*Ionolyce helicon merguiana*	Pointed line blue	Not Assessed	Not Assessed	No	Common	Yes	Yes		Priority 1	Priority 1
66	Lycaenidae	*Iraota rochana boswelliana*	Scarce silverstreak	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
67	Lycaenidae	*Jamides alecto ageladas*	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Yes	No		Priority 1	Priority 1
68	Lycaenidae	*Jamides bochus nabonassar*	Dark caerulean	Not Assessed	Not Assessed	No	Moderately rare	Yes	No		Priority 1	Priority 1
69	Lycaenidae	*Jamides celeno aelianus*	Common caerulean	Not Assessed	Not Assessed	No	Common	Yes	Yes		Priority 1	Priority 1
70	Lycaenidae	*Lampides boeticus*	Pea blue	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
71	Lycaenidae	*Logania marmorata damis*	Pale mottle	Not Assessed	Not Assessed	No	Moderately common	Yes	Yes		Priority 1	Priority 1
72	Lycaenidae	*Loxura atymnus fuconius*	Yamfly	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
73	Lycaenidae	*Megisba malaya sikkima*	Malayan	Not Assessed	Not Assessed	No	Moderately rare	Yes	No		Priority 1	Priority 1
74	Lycaenidae	*Miletus biggsii biggsii*	Bigg's brownwing	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Recorded in NSS, 2021	Priority 1	Priority 1
75	Lycaenidae	*Miletus symethus petronius*	Blue brownwing/great brownie	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
76	Lycaenidae	*Nacaduba berenice icena*	Rounded sixline blue	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008; Jain et al. 2018)	Species of conservation significance	Distribution/Rarity (Khew, 2015)	Probable species	Recorded species	Remarks	Vibration-sensitivity	Auditory-sensitivity
77	Lycaenidae	*Nacaduba beroe neon*	Opaque sixline blue	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
78	Lycaenidae	*Nacaduba biocellata*	Two spotted line blue	Not Assessed	Not Assessed	No	Moderately rare	Yes	No		Priority 1	Priority 1
79	Lycaenidae	*Nacaduba kurava nemana*	Transparent sixline blue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately common	Yes	No		Priority 1	Priority 1
80	Lycaenidae	*Petrelaea dana dana*	Dingy line blue	Not Assessed	Not Assessed	No	Moderately rare	Yes	No		Priority 1	Priority 1
81	Lycaenidae	*Prosotas dubiosa lumpura*	Tailless line blue	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
82	Lycaenidae	*Prosotas nora superdates*	Common line blue	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
83	Lycaenidae	*Rapala dieneces dieneces*	Scarlet flash	Not Assessed	Not Assessed	No	Moderately rare	Yes	No		Priority 1	Priority 1
84	Lycaenidae	*Rapala iarbus iarbus*	Common red flash	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
85	Lycaenidae	*Rapala manea chozeba*	Slate flash	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Recorded in NSS, 2021	Priority 1	Priority 1
86	Lycaenidae	*Rapala pheretima sequeira*	Copper flash	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
87	Lycaenidae	*Rapala suffusa barthema*	Suffused flash	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
88	Lycaenidae	*Rapala varuna orseis*	Indigo flash	Not Assessed	Not Assessed	No	Moderately rare	Yes	No		Priority 1	Priority 1
89	Lycaenidae	*Semanga superba deliciosa*	NA	Not Assessed	Not Assessed	No	Moderately rare	Yes	Yes		Priority 1	Priority 1
90	Lycaenidae	*Spalgis epius epius*	Apefly	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
91	Lycaenidae	*Spindasis lohita senama*	Long banded silverline	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
92	Lycaenidae	*Spindasis syama terana*	Club silverline	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
93	Lycaenidae	*Surendra vivarna amisena*	Acacia blue	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Recorded in NSS, 2021	Priority 1	Priority 1
94	Lycaenidae	*Tajuria cippus maxentius*	Peacock royal	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
95	Lycaenidae	*Virachola kessuma deliochus*	Pitcher blue	Not Assessed	Not Assessed	No	Rare	Yes	No		Priority 1	Priority 1
96	Lycaenidae	*Zeltus amasa maximinianus*	Fluffy tit	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
97	Lycaenidae	*Zizeeria maha serica*	Pale grass blue	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
98	Lycaenidae	*Zizina otis lampa*	Lesser grass blue	Not Assessed	Not Assessed	No	Common	Yes	No	Recorded in NSS, 2021	Priority 1	Priority 1
99	Lycaenidae	*Zizula hylax pygmaea*	Pygmy grass blue	Not Assessed	Not Assessed	No	Common	Yes	Yes		Priority 1	Priority 1
100	Nymphalidae	*Acraea terpsicore*	Tawny coster	Not Assessed	Not Assessed	No	Common	Yes	No	Recorded in NSS, 2021	Priority 1	Priority 1
101	Nymphalidae	*Amathusia phidippus phidippus*	Palm king	Not Assessed	Not Assessed	No	Moderately rare	Yes	No		Priority 1	Priority 1
102	Nymphalidae	*Athyma kanwa kanwa*	Dot-dash sergeant	Not Assessed	Not Assessed	No	Rare	Yes	No		Priority 1	Priority 1
103	Nymphalidae	*Athyma nefte subrata*	Colour sergeant	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
104	Nymphalidae	*Cethosia cyane*	Leopard lacewing	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
105	Nymphalidae	*Cupha erymanthis lotis*	Rustic	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
106	Nymphalidae	*Danaus chrysippus chrysippus*	Plain tiger	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
107	Nymphalidae	*Doleschallia bisaltide bisaltide*	Autumn leaf	Not Assessed	Not Assessed	No	Common	Yes	No	Recorded in NSS, 2021	Priority 1	Priority 1
108	Nymphalidae	*Elymnias hypermnestra agina*	Common palmfly	Not Assessed	Not Assessed	No	Common	Yes	Yes		Priority 1	Priority 1
109	Nymphalidae	*Elymnias panthera panthera*	Tawny palmfly	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
110	Nymphalidae	*Euploea midamus singapura*	Blue spotted crow	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
111	Nymphalidae	*Euploea mulciber mulciber*	Striped blue crow	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
112	Nymphalidae	*Euripus nyctelius euploeoides*	Courtesan	Not Assessed	Critically Endangered	Yes	Rare	Yes	No		Priority 1	Priority 1
113	Nymphalidae	*Euthalia aconthea gurda*	Baron	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
114	Nymphalidae	*Euthalia adonia pinwilli*	Green baron	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
115	Nymphalidae	*Euthalia monina monina*	Malay baron	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
116	Nymphalidae	*Faunis canens arcesilas*	Common faun	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008; Jain et al. 2018)	Species of conservation significance	Distribution/Rarity (Khew, 2015)	Probable species	Recorded species	Remarks	Vibration-sensitivity	Auditory-sensitivity
117	Nymphalidae	*Hypolimnas anomala anomala*	Malayan eggfly	Not Assessed	Not Assessed	No	Common	Yes	No	Recorded in NSS, 2021	Priority 1	Priority 1
118	Nymphalidae	*Hypolimnas bolina bolina*	Great eggfly	Not Assessed	Not Assessed	No	Moderately common	Yes	Yes		Priority 1	Priority 1
119	Nymphalidae	*Hypolimnas bolina jacintha*	Jacintha eggfly	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
120	Nymphalidae	*Ideopsis vulgaris macrina*	Blue glassy tiger	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
121	Nymphalidae	*Junonia almana javana*	Peacock pansy	Least Concern	Not Assessed	No	Common	Yes	No	Recorded in NSS, 2021	Priority 1	Priority 1
122	Nymphalidae	*Junonia atlites atlites*	Grey pansy	Not Assessed	Not Assessed	No	Moderately common	Yes	Yes		Priority 1	Priority 1
123	Nymphalidae	*Junonia hedonia ida*	Chocolate pansy	Not Assessed	Not Assessed	No	Common	Yes	Yes		Priority 1	Priority 1
124	Nymphalidae	*Junonia orithya wallacei*	Blue pansy	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
125	Nymphalidae	*Lasippa heliodore dorelia*	Burmese lascar	Not Assessed	Data Deficient	No	Rare	No	Yes		Priority 1	Priority 1
126	Nymphalidae	*Lasippa tiga siaka*	Malayan lascar	Not Assessed	Not Assessed	No	Common	Yes	Yes		Priority 1	Priority 1
127	Nymphalidae	*Lethe europa malaya*	Bamboo tree brown	Not Assessed	Not Assessed	No	Moderately rare	Yes	No		Priority 1	Priority 1
128	Nymphalidae	*Lexias pardalis dirteana*	Archduke	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
129	Nymphalidae	*Melanitis leda leda*	Common evening brown	Not Assessed	Not Assessed	No	Moderately rare	Yes	No		Priority 1	Priority 1
130	Nymphalidae	*Moduza procris milonia*	Commander	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
131	Nymphalidae	*Mycalesis mineus macromalayana*	Dark brand bush brown	Not Assessed	Not Assessed	No	Common	Yes	Yes		Priority 1	Priority 1
132	Nymphalidae	*Mycalesis perseoides perseoides*	Burmese bush brown	Not Assessed	Data Deficient	No	Common	Yes	Yes		Priority 1	Priority 1
133	Nymphalidae	*Mycalesis perseus cepheus*	Dingy bush brown	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
134	Nymphalidae	*Mycalesis visala phamis*	Long brand bush brown	Not Assessed	Not Assessed	No	Moderately common	Yes	Yes		Priority 1	Priority 1
135	Nymphalidae	*Neptis hylas papaja*	Common sailor	Not Assessed	Not Assessed	No	Moderately common	Yes	Yes		Priority 1	Priority 1
136	Nymphalidae	*Orsotriaena medus cinerea*	Dark grass brown	Not Assessed	Not Assessed	No	Common	Yes	No	Recorded in NSS, 2021	Priority 1	Priority 1
137	Nymphalidae	*Pantoporia hordonia hordonia*	Common lascar	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
138	Nymphalidae	*Parantica agleoides agleoides*	Dark glassy tiger	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
139	Nymphalidae	*Phaedyma columella singa*	Short banded sailor	Not Assessed	Not Assessed	No	Common	Yes	No	Recorded in NSS, 2021	Priority 1	Priority 1
140	Nymphalidae	*Phalanta phalantha phalantha*	Leopard	Not Assessed	Not Assessed	No	Common	Yes	No	Recorded in NSS, 2021	Priority 1	Priority 1
141	Nymphalidae	*Polyura hebe plautus*	Plain nawab	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
142	Nymphalidae	*Polyura schreiber tisamenus*	Blue nawab	Not Assessed	Not Assessed	No	Moderately rare	Yes	No		Priority 1	Priority 1
143	Nymphalidae	*Symbrenthia hippoclus selangorana*	Malayan jester	Not Assessed	Not Assessed	Yes	Very rare	Yes	No		Priority 1	Priority 1
144	Nymphalidae	*Tanaecia iapis puseda*	Horsfield's baron	Not Assessed	Not Assessed	No	Common	Yes	Yes		Priority 1	Priority 1
145	Nymphalidae	*Tanaecia pelea pelea*	Malay viscount	Not Assessed	Not Assessed	No	Common	Yes	Yes		Priority 1	Priority 1
146	Nymphalidae	*Vindula dejone erotella*	Cruiser	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
147	Nymphalidae	*Ypthima baldus newboldi*	Common five-ring	Not Assessed	Not Assessed	No	Common	Yes	Yes		Priority 1	Priority 1
148	Nymphalidae	*Ypthima horsfieldii humei*	Malayan five-ring	Not Assessed	Not Assessed	No	Common	Yes	Yes		Priority 1	Priority 1
149	Nymphalidae	*Ypthima huebneri*	Common four-ring	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
150	Nymphalidae	*Ypthima pandocus corticaria*	Common three-ring	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
151	Nymphalidae	*Zeuxidia amethystus amethystus*	Saturn	Not Assessed	Not Assessed	No	Moderately rare	Yes	No		Priority 1	Priority 1
152	Papilionidae	*Chilasa clytia clytia*	Common mime	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
153	Papilionidae	*Graphium agamemnon agamemnon*	Tailed jay	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
154	Papilionidae	*Graphium sarpedon luctatius*	Common bluebottle	Not Assessed	Not Assessed	No	Common	Yes	Yes		Priority 1	Priority 1
155	Papilionidae	*Pachliopta aristolochiae asteris*	Common rose	Not Assessed	Vulnerable	Yes	Moderately common	Yes	No		Priority 1	Priority 1

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008; Jain et al. 2018)	Species of conservation significance	Distribution/Rarity (Khew, 2015)	Probable species	Recorded species	Remarks	Vibration-sensitivity	Auditory-sensitivity
156	Papilionidae	*Papilio demoleus malayanus*	Lime butterfly	Not Assessed	Not Assessed	No	Common	Yes	No	Recorded in NSS, 2021	Priority 1	Priority 1
157	Papilionidae	*Papilio polytes romulus*	Common mormon	Not Assessed	Not Assessed	No	Common	Yes	Yes		Priority 1	Priority 1
158	Papilionidae	*Troides helena cerberus*	Common birdwing	Not Assessed; CITES protected (Appendix II)	Vulnerable	Yes	Moderately common	Yes	Yes		Priority 1	Priority 1
159	Pieridae	*Appias libythea olferna*	Striped albatross	Not Assessed	Not Assessed	No	Common	Yes	No	Recorded in NSS, 2021	Priority 1	Priority 1
160	Pieridae	*Catopsilia pomona pomona*	Lemon emigrant	Not Assessed	Not Assessed	No	Common	Yes	No	Recorded in NSS, 2021	Priority 1	Priority 1
161	Pieridae	*Catopsilia pyranthe pyranthe*	Mottled emigrant	Not Assessed	Not Assessed	No	Common	Yes	No	Recorded in NSS, 2021	Priority 1	Priority 1
162	Pieridae	*Catopsilia scylla cornelia*	Orange emigrant	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
163	Pieridae	*Delias hyparete metarete*	Painted jezebel	Not Assessed	Not Assessed	No	Common	Yes	Yes		Priority 1	Priority 1
164	Pieridae	*Eurema andersonii andersonii*	Anderson's grass yellow	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
165	Pieridae	*Eurema blanda snelleni*	Three spot grass yellow	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
166	Pieridae	*Eurema hecabe contubernalis*	Common grass yellow	Not Assessed	Not Assessed	No	Common	Yes	No		Priority 1	Priority 1
167	Pieridae	*Eurema sari sodalis*	Chocolate grass yellow	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
168	Pieridae	*Eurema simulatrix tecmessa*	Forest grass yellow	Not Assessed	Not Assessed	No	Moderately common	Yes	No		Priority 1	Priority 1
	Pieridae	*Eurema sp.*	NA	NA	NA	NA	NA	NA	Yes		Priority 1	Priority 1
169	Pieridae	*Leptosia nina malayana*	Psyche	Not Assessed	Not Assessed	No	Common	Yes	Yes		Priority 1	Priority 1
170	Pieridae	*Pieris canidia canidia*	Cabbage white	Not Assessed	Not Assessed	No	Moderately rare	Yes	No		Priority 1	Priority 1
171	Riodinidae	*Abisara savitri savitri*	Malay tailed judy	Not Assessed	Not Assessed	No	Moderately rare	Yes	No		Priority 1	Priority 1

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008)	Species of conservation significance	Native status (Baker & Lim, 2012)	Probable species	Recorded species	Vibration-sensitivity	Auditory-sensitivity
1	Gecarcinucidae	*Parathelphusa maculata*	Maculate freshwater crab	Least Concern	Not Assessed	No	Native	Yes	No	Priority 1	N/A
2	Palaemonidae	*Macrobrachium lanchesteri*	Riceland shrimp	Least Concern	Not Assessed	No	Non-native	Yes	No	Priority 1	N/A

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008; Nyanasengeran, pers comm)	Species of conservation significance	Native status (Baker & Lim, 2012)	Probable species	Recorded species	Remarks	Vibration-sensitivity	Auditory-sensitivity
1	Anabantidae	*Anabas testudineus*	Oriental climbing perch	Least Concern	Not Assessed	No	Native	Yes	No		Priority 1	N/A
2	Channidae	*Channa striata*	Common snakehead/aruan	Least Concern	Not Assessed	No	Native	Yes	Yes		Priority 1	N/A
3	Clariidae	*Clarias* cf. *batrachus*	Common walking catfish	Not Assessed	Not Assessed	No	Native	Yes	Yes		Priority 1	N/A
4	Clariidae	*Clarias gariepinus*	Sharp-toothed walking catfish	Least Concern	Not Assessed	No	Non-native	Yes	Yes		Priority 1	N/A
5	Cyprinidae	*Barbodes sellifer*	Saddle barb	Not Assessed	Not Assessed	No	Native	Yes	No	Recorded in NSS, 2021	Priority 1	N/A
6	Cyprinidae	*Barbodes rhombeus*	Indochinese spotted barb	Least Concern	Not Assessed	No	Non-native	Yes	Yes		Priority 1	N/A
7	Cyprinidae	*Brachydanio albolineata*	Pearl danio	Not Assessed	Not Assessed	No	Non-native	Yes	Yes		Priority 1	N/A
8	Cyprinidae	*Osteochilus vittatus*	Hasselt's bony-lipped barb	Least Concern	Not Assessed	No	Non-native	No	Yes		Priority 1	N/A
9	Osphronemidae	*Trichopsis vittata*	Croaking gouramy	Least Concern	Not Assessed	No	Native	Yes	No		Priority 1	N/A
10	Poeciliidae	*Gambusia affinis*	Mosquitofish	Least Concern	Not Assessed	No	Non-native	Yes	No		Priority 1	N/A
11	Poeciliidae	*Poecilia reticulata*	Guppy	Least Concern	Not Assessed	No	Non-native	Yes	Yes		Priority 1	N/A
12	Poeciliidae	*Poecilia sphenops*	Green molly	Least Concern	Not Assessed	No	Non-native	Yes	No		Priority 1	N/A
13	Synbranchidae	*Monopterus albus*	Sunda swamp-eel	Least Concern	Not Assessed	No	Native	Yes	No		Priority 1	N/A

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008)	Species of conservation significance	Distribution/Rarity (Baker & Lim, 2012)	Native status (Baker & Lim, 2012)	Probable species	Recorded species	Vibration-sensitivity	Auditory-sensitivity
1	Bufonidae	*Duttaphrynus melanostictus*	Asian toad	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes	Priority 1	Priority 1
2	Dicroglossidae	*Fejervarya cancrivora*	Crab-eating frog	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No	Priority 1	Priority 1
3	Dicroglossidae	*Fejervarya limnocharis*	Field frog	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes	Priority 1	Priority 1
4	Dicroglossidae	*Limnonectes blythii*	Malayan giant frog	Near Threatened	Least Concern	No	Widespread and Common	Native	Yes	Yes	Priority 1	Priority 1
5	Dicroglossidae	*Limnonectes malesianus*	Malesian frog	Near Threatened	Near Threatened	No	Restricted but Common	Native	Yes	No	Priority 1	Priority 1
6	Dicroglossidae	*Occidozyga sumatrana*	Yellow-bellied puddle frog	Least Concern	Near Threatened	No	Restricted but Common	Native	Yes	No	Priority 1	Priority 1
7	Eleutherodactylidae	*Eleutherodactylus planirostris*	Greenhouse frog	Least Concern	Not Assessed	No	Widespread and Common	Non-native	Yes	Yes	Priority 1	Priority 1
8	Microhylidae	*Kaloula pulchra*	Banded bull frog	Least Concern	Not Assessed	No	Widespread and Common	Non-native	Yes	Yes	Priority 1	Priority 1
9	Microhylidae	*Microhyla butleri*	Painted chorus frog	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes	Priority 1	Priority 1
10	Microhylidae	*Microhyla mukhlesuri*	East Asian ornate chorus frog	Least Concern	Not Assessed	No	Restricted and Rare	Non-native	Yes	Yes	Priority 1	Priority 1
11	Microhylidae	*Microhyla heymonsi*	Dark-sided chorus frog	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes	Priority 1	Priority 1
12	Ranidae	*Chalcorana*	Copper-cheeked frog	Least Concern	Least Concern	No	Restricted but Common	Native	Yes	No	Priority 1	Priority 1
13	Ranidae	*Hylarana erythraea*	Green paddy frog	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No	Priority 1	Priority 1
14	Ranidae	*Lithobates catesbeianus*	American bullfrog	Least Concern	Not Assessed	No	Widespread and Common	Non-native	Yes	No	Priority 1	Priority 1
15	Ranidae	*Pulchrana laterimaculata*	Masked rough-sided frog	Least Concern	Near Threatened	No	Restricted and Uncommon	Native	Yes	No	Priority 1	Priority 1
16	Rhacophoridae	*Polypedates leucomystax*	Four-lined tree frog	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes	Priority 1	Priority 1

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008)	Species of conservation significance	Distribution/Rarity (Baker and Lim, 2012)	Native status (Baker & Lim, 2012)	Probable species	Recorded species	Remarks	Vibration-sensitivity	Auditory-sensitivity
24	Geomydidae	*Cuora amboinensis*	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	Yes	Restricted but Common	Native	Yes	No		Priority 1	Priority 2
26	Homalopsidae	*Homalopsis buccata*	Puff-faced water snake	Least Concern	Vulnerable	Yes	Widespread but Uncommon	Native	Yes	No		Priority 1	Priority 2

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008)	Species of Conservation Significance	Distribution/Rarity (NSS, 2020; Singapore Birds Project, 2021)	Native status (NSS, 2020; Singapore Birds Project, 2021)	Probable species	Recorded species	Remarks	Vibration-sensitivity	Auditory-sensitivity
1	Acanthizidae	*Gerygone sulphurea*	Golden-bellied gerygone	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 3	Priority 1
2	Accipitridae	*Accipiter gularis*	Japanese sparrowhawk	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Common	Winter visitor	Yes	No	Recorded in NSS, 2021	Priority 3	Priority 1
3	Accipitridae	*Accipiter soloensis*	Chinese sparrowhawk	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 3	Priority 1
4	Accipitridae	*Accipiter trivirgatus*	Crested goshawk	Least Concern; CITES protected (Appendix II)	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	Yes		Priority 2	Priority 1
5	Accipitridae	*Aviceda jerdoni*	Jerdon's baza	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 3	Priority 1
6	Accipitridae	*Aviceda leuphotes*	Black baza	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Common	Winter visitor	Yes	No		Priority 3	Priority 1
7	Accipitridae	*Buteo buteo*	Common buzzard	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 3	Priority 1
8	Accipitridae	*Haliaeetus leucogaster*	White-bellied sea eagle	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 3	Priority 1
9	Accipitridae	*Haliastur indus*	Brahminy kite	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
10	Accipitridae	*Nisaetus cirrhatus*	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Endangered	Yes	Uncommon	Resident breeder	Yes	No		Priority 2	Priority 1
11	Accipitridae	*Pernis ptilorhynchus*	Crested honey-buzzard	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Common	Winter visitor	Yes	No		Priority 3	Priority 1
12	Accipitridae	*Spilornis cheela*	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	Yes	Rare	Resident, breeding not proven	Yes	No		Priority 2	Priority 1
13	Aegithinidae	*Aegithina tiphia*	Common iora	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
14	Alcedinidae	*Alcedo atthis*	Common kingfisher	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	No		Priority 3	Priority 1
15	Alcedinidae	*Alcedo meninting*	Blue-eared kingfisher	Least Concern	Critically Endangered	Yes	Rare	Resident breeder	Yes	No		Priority 2	Priority 1
16	Alcedinidae	*Ceyx erithaca*	Oriental dwarf kingfisher	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 3	Priority 1
17	Alcedinidae	*Halcyon coromanda*	Ruddy kingfisher	Least Concern	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	No		Priority 2	Priority 1
18	Alcedinidae	*Halcyon smyrnensis*	White-throated kingfisher	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
19	Alcedinidae	*Pelargopsis capensis*	Stork-billed kingfisher	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No		Priority 3	Priority 1
20	Alcedinidae	*Todiramphus chloris*	Collared kingfisher	Least Concern	Not Assessed	No	Abundant	Resident breeder	Yes	No	Recorded in NSS, 2021	Priority 3	Priority 1
21	Apodidae	*Aerodramus fuciphagus*	Edible-nest swiftlet	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 1	Priority 1
22	Apodidae	*Aerodramus maximus*	Black-nest swiftlet	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 1	Priority 1
	Apodidae	*Aerodramus sp.*	NA	NA	NA	NA	NA	NA	NA	Yes		Priority 1	Priority 1
23	Apodidae	*Apus nipalensis*	House swift	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No		Priority 1	Priority 1

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008)	Species of Conservation Significance	Distribution/Rarity (NSS, 2020; Singapore Birds Project, 2021)	Native status (NSS, 2020; Singapore Birds Project, 2021)	Probable species	Recorded species	Remarks	Vibration-sensitivity	Auditory-sensitivity
24	Apodidae	*Apus pacificus*	Pacific swift	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 3	Priority 1
25	Apodidae	*Collocalia affinis*	Plume-toed swiftlet	Not Assessed	Not Assessed	No	Uncommon	Resident breeder	Yes	No	Recorded in NSS, 2021	Priority 1	Priority 1
26	Apodidae	*Cypsiurus balasiensis*	Asian palm swift	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No		Priority 3	Priority 1
27	Apodidae	*Hirundapus caudacutus*	White-throated needletail	Least Concern	Not Assessed	No	Rare	Accidental visitor	Yes	No		Priority 3	Priority 1
28	Apodidae	*Hirundapus cochinchinensis*	Silver-backed needletail	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 3	Priority 1
29	Apodidae	*Hirundapus giganteus*	Brown-backed needletail	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 3	Priority 1
30	Ardeidae	*Bubulcus coromandus*	Eastern cattle egret	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	No		Priority 1	Priority 1
31	Ardeidae	*Butorides striata*	Striated heron	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	Recorded in NSS, 2021	Priority 1	Priority 1
32	Ardeidae	*Egretta garzetta*	Little egret	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	Yes		Priority 1	Priority 1
33	Ardeidae	*Gorsachius melanolophus*	Malayan night heron	Least Concern	Not Assessed	No	Rare	Winter visitor	Yes	No		Priority 1	Priority 1
34	Ardeidae	*Nycticorax nycticorax*	Black-crowned night heron	Least Concern	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	No	Recorded in NSS, 2021	Priority 1	Priority 1
35	Bucerotidae	*Anthracoceros albirostris*	Oriental pied hornbill	Least Concern; CITES protected (Appendix II)	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	Yes		Priority 2	Priority 1
36	Cacatuidae	*Cacatua goffiniana*	Tanimbar corella	Near Threatened; CITES protected (Appendix I)	Not Assessed	No	Common	Introduced resident breeder	Yes	Yes		Priority 3	Priority 1
37	Cacatuidae	*Cacatua sulphurea*	Yellow-crested cockatoo	Critically Endangered; CITES protected (Appendix I)	Not Assessed	No	Uncommon	Introduced resident breeder	Yes	No	Recorded in NSS, 2021	Priority 3	Priority 1
38	Campephagidae	*Lalage nigra*	Pied triller	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
39	Campephagidae	*Pericrocotus divaricatus*	Ashy minivet	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	Yes		Priority 3	Priority 1
40	Caprimulgidae	*Caprimulgus affinis*	Savanna nightjar	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 1	Priority 1
41	Caprimulgidae	*Caprimulgus jotaka*	Jungle nightjar	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 1	Priority 1
42	Caprimulgidae	*Caprimulgus macrurus*	Large-tailed nightjar	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 1	Priority 1
43	Chloropseidae	*Chloropsis moluccensis*	Blue-winged leafbird	Least Concern	Not Assessed	No	Common	Resident, breeding not proven	Yes	No		Priority 3	Priority 1
44	Chloropseidae	*Chloropsis sonnerati*	Greater green leafbird	Endangered	Critically Endangered	Yes	Uncommon	Resident, breeding not proven	Yes	No		Priority 2	Priority 1
45	Cisticolidae	*Orthotomus atrogularis*	Dark-necked tailorbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
46	Cisticolidae	*Orthotomus ruficeps*	Ashy tailorbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 3	Priority 1
47	Cisticolidae	*Orthotomus sericeus*	Rufous-tailed tailorbird	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	Yes		Priority 3	Priority 1
48	Cisticolidae	*Orthotomus sutorius*	Common tailorbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
49	Cisticolidae	*Prinia flaviventris*	Yellow-bellied prinia	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 3	Priority 1
50	Columbidae	*Chalcophaps indica*	Common emerald dove	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	Yes	Also recorded from camera trap	Priority 1	Priority 1
51	Columbidae	*Columba livia*	Rock dove	Least Concern	Not Assessed	No	Abundant	Introduced resident breeder	Yes	Yes		Priority 1	Priority 1
52	Columbidae	*Ducula bicolor*	Pied imperial pigeon	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No	Recorded in NSS, 2021	Priority 3	Priority 1
53	Columbidae	*Geopelia striata*	Zebra dove	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 1	Priority 1
54	Columbidae	*Ptilinopus jambu*	Jambu fruit dove	Near Threatened	Not Assessed	No	Uncommon	Non-breeding visitor	Yes	No		Priority 3	Priority 1

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008)	Species of Conservation Significance	Distribution/Rarity (NSS, 2020; Singapore Birds Project, 2021)	Native status (NSS, 2020; Singapore Birds Project, 2021)	Probable species	Recorded species	Remarks	Vibration-sensitivity	Auditory-sensitivity
55	Columbidae	*Spilopelia chinensis*	Spotted dove	Least Concern	Not Assessed	No	Abundant	Resident breeder	Yes	Yes	Also recorded from camera trap	Priority 1	Priority 1
56	Columbidae	*Treron curvirostra*	Thick-billed green pigeon	Least Concern	Endangered	Yes	Uncommon	Resident breeder	Yes	No		Priority 2	Priority 1
57	Columbidae	*Treron vernans*	Pink-necked green pigeon	Least Concern	Not Assessed	No	Abundant	Resident breeder	Yes	Yes		Priority 3	Priority 1
58	Coraciidae	*Eurystomus orientalis*	Oriental dollarbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
59	Corvidae	*Corvus macrorhynchos*	Large-billed crow	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	Yes		Priority 3	Priority 1
60	Corvidae	*Corvus splendens*	House crow	Least Concern	Not Assessed	No	Common	Introduced resident breeder	Yes	Yes		Priority 3	Priority 1
61	Cuculidae	*Cacomantis merulinus*	Plaintive cuckoo	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No		Priority 3	Priority 1
62	Cuculidae	*Cacomantis sepulcralis*	Rusty-breasted cuckoo	Least Concern	Vulnerable	Yes	Uncommon	Resident breeder	Yes	No		Priority 2	Priority 1
63	Cuculidae	*Cacomantis sonneratii*	Banded bay cuckoo	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No		Priority 3	Priority 1
64	Cuculidae	*Centropus bengalensis*	Lesser coucal	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 3	Priority 1
65	Cuculidae	*Centropus sinensis*	Greater coucal	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	Yes		Priority 3	Priority 1
66	Cuculidae	*Chrysococcyx minutillus*	Little bronze-cuckoo	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 3	Priority 1
67	Cuculidae	*Chrysococcyx xanthorhynchus*	Violet cuckoo	Least Concern	Endangered	Yes	Uncommon	Resident breeder	Yes	No		Priority 2	Priority 1
68	Cuculidae	*Clamator coromandus*	Chestnut-winged cuckoo	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 3	Priority 1
69	Cuculidae	*Cuculus micropterus*	Indian cuckoo	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 3	Priority 1
70	Cuculidae	*Eudynamys scolopaceus*	Asian koel	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
71	Cuculidae	*Hierococcyx nisicolor*	Hodgson's hawk cuckoo	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	Yes		Priority 3	Priority 1
72	Cuculidae	*Phaenicophaeus sumatranus*	Chestnut-bellied malkoha	Near Threatened	Not Assessed	No	Uncommon	Resident breeder	Yes	No		Priority 3	Priority 1
73	Cuculidae	*Surniculus lugubris*	Square-tailed drongo-cuckoo	Least Concern	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	No		Priority 2	Priority 1
74	Dicaeidae	*Dicaeum cruentatum*	Scarlet-backed flowerpecker	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
75	Dicaeidae	*Dicaeum trigonostigma*	Orange-bellied flowerpecker	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 3	Priority 1
76	Dicruridae	*Dicrurus annectans*	Crow-billed drongo	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 3	Priority 1
77	Dicruridae	*Dicrurus paradiseus*	Greater racket-tailed drongo	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
78	Estrildidae	*Lonchura punctulata*	Scaly-breasted munia	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	Recorded in NSS, 2021	Priority 3	Priority 1
79	Hemiprocnidae	*Hemiprocne longipennis*	Grey-rumped treeswift	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
80	Hirundinidae	*Cecropis daurica*	Red-rumped swallow	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 3	Priority 1
81	Hirundinidae	*Hirundo rustica*	Barn swallow	Least Concern	Not Assessed	No	Abundant	Winter visitor	Yes	No		Priority 3	Priority 1
82	Hirundinidae	*Hirundo tahitica*	Pacific swallow	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
83	Irenidae	*Irena puella*	Asian fairy-bluebird	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No		Priority 3	Priority 1
84	Laniidae	*Lanius cristatus*	Brown shrike	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	No	Recorded in NSS, 2021	Priority 3	Priority 1
85	Laniidae	*Lanius tigrinus*	Tiger shrike	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	Yes		Priority 3	Priority 1
86	Leiothrichidae	*Garrulax leucolophus*	White-crested laughingthrush	Least Concern	Not Assessed	No	Common	Introduced resident breeder	Yes	Yes	Also recorded from camera trap	Priority 1	Priority 1
87	Megalaimidae	*Psilopogon haemacephalus*	Coppersmith barbet	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
88	Megalaimidae	*Psilopogon lineatus*	Lineated barbet	Least Concern	Not Assessed	No	Uncommon	Introduced resident breeder	Yes	Yes		Priority 3	Priority 1
89	Megalaimidae	*Psilopogon rafflesii*	Red-crowned barbet	Near Threatened	Not Assessed	No	Uncommon	Resident breeder	Yes	No		Priority 3	Priority 1
90	Meropidae	*Merops philippinus*	Blue-tailed bee-eater	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	No	Recorded in NSS, 2021	Priority 3	Priority 1
91	Meropidae	*Merops viridis*	Blue-throated bee-eater	Least Concern	Not Assessed	No	Common	Migrant breeder	Yes	Yes		Priority 3	Priority 1
92	Monarchidae	*Terpsiphone affinis*	Blyth's paradise flycatcher	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 3	Priority 1

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008)	Species of Conservation Significance	Distribution/Rarity (NSS, 2020; Singapore Birds Project, 2021)	Native status (NSS, 2020; Singapore Birds Project, 2021)	Probable species	Recorded species	Remarks	Vibration-sensitivity	Auditory-sensitivity
93	Monarchidae	*Terpsiphone atrocaudata*	Japanese paradise flycatcher	Near Threatened	Not Assessed	No	Rare	Passage migrant	Yes	No		Priority 3	Priority 1
94	Monarchidae	*Terpsiphone incei*	Amur paradise flycatcher	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	No		Priority 3	Priority 1
95	Motacillidae	*Anthus rufulus*	Paddyfield pipit	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 1	Priority 1
96	Motacillidae	*Dendronanthus indicus*	Forest wagtail	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	Yes		Priority 1	Priority 1
97	Motacillidae	*Motacilla cinerea*	Grey wagtail	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 1	Priority 1
98	Muscicapidae	*Copsychus malabaricus*	White-rumped shama	Least Concern	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	No		Priority 1	Priority 1
99	Muscicapidae	*Copsychus saularis*	Oriental magpie-robin	Least Concern	Endangered	Yes	Uncommon	Resident breeder	Yes	Yes		Priority 1	Priority 1
100	Muscicapidae	*Cyanoptila cumatilis*	Zappey's flycatcher	Least Concern	Not Assessed	No	Rare	Passage migrant	Yes	No		Priority 3	Priority 1
101	Muscicapidae	*Cyanoptila cyanomelana*	Blue-and-white flycatcher	Least Concern	Not Assessed	No	Rare	Passage migrant	Yes	No		Priority 3	Priority 1
102	Muscicapidae	*Cyornis brunneatus*	Brown-chested jungle flycatcher	Vulnerable	Not Assessed	Yes	Uncommon	Winter visitor	Yes	No		Priority 2	Priority 1
103	Muscicapidae	*Ficedula elisae*	Green-backed flycatcher	Least Concern	Not Assessed	No	Rare	Winter visitor	Yes	No		Priority 3	Priority 1
104	Muscicapidae	*Ficedula mugimaki*	Mugimaki flycatcher	Least Concern	Not Assessed	No	Uncommon	Passage migrant	Yes	No		Priority 3	Priority 1
105	Muscicapidae	*Ficedula zanthopygia*	Yellow-rumped flycatcher	Least Concern	Not Assessed	No	Uncommon	Passage migrant	Yes	Yes		Priority 3	Priority 1
106	Muscicapidae	*Larvivora cyane*	Siberian blue robin	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	Yes	Recorded from camera trap	Priority 1	Priority 1
107	Muscicapidae	*Muscicapa dauurica*	Asian brown flycatcher	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	Yes		Priority 3	Priority 1
108	Muscicapidae	*Muscicapa ferruginea*	Ferruginous flycatcher	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 3	Priority 1
109	Muscicapidae	*Muscicapa sibirica*	Dark-sided flycatcher	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 3	Priority 1
110	Muscicapidae	*Muscicapa williamsoni*	Brown-streaked flycatcher	Least Concern	Not Assessed	No	Rare	Winter visitor	Yes	No		Priority 3	Priority 1
111	Nectariniidae	*Aethopyga siparaja*	Crimson sunbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
112	Nectariniidae	*Anthreptes malacensis*	Brown-throated sunbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
113	Nectariniidae	*Arachnothera longirostra*	Little spiderhunter	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No		Priority 3	Priority 1
114	Nectariniidae	*Cinnyris jugularis*	Olive-backed sunbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
115	Nectariniidae	*Leptocoma brasiliana*	Van Hasselt's sunbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 3	Priority 1
116	Oriolidae	*Oriolus chinensis*	Black-naped oriole	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
117	Pandionidae	*Pandion haliaetus*	Western osprey	Least Concern	Not Assessed	No	Common	Non-breeding visitor	Yes	No		Priority 3	Priority 1
118	Passeridae	*Passer montanus*	Eurasian tree sparrow	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No	Recorded in NSS, 2021	Priority 1	Priority 1
119	Pellorneidae	*Malacocincla abbotti*	Abbott's babbler	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No		Priority 1	Priority 1
120	Phasianidae	*Gallus gallus*	Red junglefowl	Least Concern	Endangered	Yes	Uncommon	Resident breeder	Yes	Yes	Also recorded from camera trap	Priority 1	Priority 1
121	Phasianidae	*Gallus gallus (domestic)*	Domestic chicken	Not Assessed	Not Assessed	No	NA	Introduced	Yes	Yes	Recorded from camera trap	Priority 1	Priority 1
122	Phylloscopidae	*Phylloscopus borealis*	Arctic warbler	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	Yes		Priority 3	Priority 1
123	Phylloscopidae	*Phylloscopus borealoides*	Sakhalin leaf warbler	Least Concern	Not Assessed	No	Rare	Accidental visitor	Yes	No		Priority 3	Priority 1
124	Phylloscopidae	*Phylloscopus coronatus*	Eastern crowned warbler	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	Yes		Priority 3	Priority 1
125	Phylloscopidae	*Phylloscopus inornatus*	Yellow-browed warbler	Least Concern	Not Assessed	No	Rare	Winter visitor	Yes	No		Priority 3	Priority 1
126	Picidae	*Chrysophlegma miniaceum*	Banded woodpecker	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
127	Picidae	*Dinopium javanense*	Common flameback	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
128	Picidae	*Micropternus brachyurus*	Rufous woodpecker	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	Yes		Priority 3	Priority 1
129	Picidae	*Picus vittatus*	Laced woodpecker	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	Also recorded from camera trap	Priority 3	Priority 1
130	Picidae	*Yungipicus moluccensis*	Sunda pygmy woodpecker	Least Concern	Not Assessed	No	Abundant	Resident breeder	Yes	No	Recorded in NSS, 2021	Priority 3	Priority 1
131	Pittidae	*Pitta moluccensis*	Blue-winged pitta	Least Concern	Not Assessed	No	Uncommon	Migrant breeder	Yes	No		Priority 1	Priority 1
132	Pittidae	*Pitta sordida*	Hooded pitta	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 1	Priority 1

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008)	Species of Conservation Significance	Distribution/Rarity (NSS, 2020; Singapore Birds Project, 2021)	Native status (NSS, 2020; Singapore Birds Project, 2021)	Probable species	Recorded species	Remarks	Vibration-sensitivity	Auditory-sensitivity
133	Psittaculidae	*Eos bornea*	Red lory	Least Concern; CITES protected (Appendix II)	Not Assessed	No	NA	Introduced	No	Yes		Priority 3	Priority 1
134	Psittaculidae	*Loriculus galgulus*	Blue-crowned hanging-parrot	Least Concern; CITES protected (Appendix II)	Endangered	Yes	Uncommon	Resident breeder	Yes	Yes		Priority 2	Priority 1
135	Psittaculidae	*Psittacula alexandri*	Red-breasted parakeet	Near Threatened; CITES protected (Appendix II)	Not Assessed	No	Common	Introduced resident breeder	Yes	Yes		Priority 3	Priority 1
136	Psittaculidae	*Psittacula krameri*	Rose-ringed parakeet	Least Concern	Not Assessed	No	Uncommon	Introduced resident breeder	Yes	Yes		Priority 3	Priority 1
137	Psittaculidae	*Psittacula longicauda*	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Not Assessed	Yes	Common	Resident breeder	Yes	Yes		Priority 2	Priority 1
138	Psittaculidae	*Psittinus cyanurus*	Blue-rumped parrot	Near Threatened; CITES protected (Appendix II)	Critically Endangered	Yes	Uncommon	Resident, breeding not proven	Yes	No		Priority 2	Priority 1
139	Psittaculidae	*Trichoglossus haematodus*	Coconut lorikeet	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Uncommon	Introduced resident breeder	Yes	Yes		Priority 3	Priority 1
140	Pycnonotidae	*Hemixos cinereus*	Cinereous bulbul	Least Concern	Not Assessed	No	Uncommon	Non-breeding visitor	Yes	No		Priority 3	Priority 1
141	Pycnonotidae	*Pycnonotus brunneus*	Asian red-eyed bulbul	Least Concern	Endangered	Yes	Uncommon	Resident breeder	Yes	No		Priority 2	Priority 1
142	Pycnonotidae	*Pycnonotus goiavier*	Yellow-vented bulbul	Least Concern	Not Assessed	No	Abundant	Resident breeder	Yes	Yes		Priority 3	Priority 1
143	Pycnonotidae	*Pycnonotus jocosus*	Red-whiskered bulbul	Least Concern	Not Assessed	No	Uncommon	Introduced resident breeder	Yes	Yes		Priority 3	Priority 1
144	Pycnonotidae	*Pycnonotus plumosus*	Olive-winged bulbul	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
145	Pycnonotidae	*Pycnonotus zeylanicus*	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix II)	Endangered	Yes	Uncommon	Resident breeder	Yes	Yes		Priority 2	Priority 1
146	Rallidae	*Amaurornis phoenicurus*	White-breasted waterhen	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	Also recorded from camera trap	Priority 1	Priority 1
147	Rallidae	*Lewinia striata*	Slaty-breasted rail	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	Yes		Priority 1	Priority 1
148	Rallidae	*Rallina fasciata*	Red-legged crake	Least Concern	Vulnerable	Yes	Uncommon	Resident breeder	Yes	Yes	Also recorded from camera trap	Priority 1	Priority 1
149	Rhipiduridae	*Rhipidura javanica*	Malaysian pied fantail	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 1	Priority 1
150	Strigidae	*Bubo sumatranus*	Barred eagle-owl	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Rare	Resident breeder	Yes	No		Priority 3	Priority 1
151	Strigidae	*Ketupa ketupu*	Buffy fish owl	Least Concern; CITES protected (Appendix II)	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	No		Priority 2	Priority 1
152	Strigidae	*Ninox scutulata*	Brown hawk-owl	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 3	Priority 1
153	Strigidae	*Otus lempiji*	Sunda scops owl	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Common	Resident breeder	Yes	Yes	Also recorded from camera trap	Priority 3	Priority 1

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008)	Species of Conservation Significance	Distribution/Rarity (NSS, 2020; Singapore Birds Project, 2021)	Native status (NSS, 2020; Singapore Birds Project, 2021)	Probable species	Recorded species	Remarks	Vibration-sensitivity	Auditory-sensitivity
154	Strigidae	*Otus sunia*	Oriental scops owl	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Rare	Winter visitor	Yes	No		Priority 3	Priority 1
155	Strigidae	*Strix seloputo*	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	Yes		Priority 2	Priority 1
156	Sturnidae	*Acridotheres javanicus*	Javan myna	Least Concern	Not Assessed	No	Abundant	Introduced resident breeder	Yes	Yes	Also recorded from camera trap	Priority 1	Priority 1
157	Sturnidae	*Acridotheres tristis*	Common myna	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 1	Priority 1
158	Sturnidae	*Agropsar philippensis*	Chestnut-cheeked starling	Least Concern	Not Assessed	No	Rare	Accidental visitor	Yes	No	Recorded in NSS, 2021	Priority 3	Priority 1
159	Sturnidae	*Agropsar sturninus*	Daurian starling	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	No	Recorded in NSS, 2021	Priority 3	Priority 1
160	Sturnidae	*Aplonis panayensis*	Asian glossy starling	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
161	Sturnidae	*Gracula religiosa*	Common hill myna	Least Concern; CITES protected (Appendix I)	Not Assessed	No	Uncommon	Resident breeder	Yes	Yes		Priority 3	Priority 1
162	Timaliidae	*Mixornis gularis*	Pin-striped tit-babbler	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 1	Priority 1
163	Turdidae	*Geokichla citrina*	Orange-headed thrush	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 1	Priority 1
164	Turdidae	*Geokichla sibirica*	Siberian thrush	Least Concern	Not Assessed	No	Rare	Passage migrant	Yes	No		Priority 1	Priority 1
165	Turdidae	*Turdus obscurus*	Eyebrowed thrush	Least Concern	Not Assessed	No	Uncommon	Passage migrant	Yes	No		Priority 1	Priority 1
166	Tytonidae	*Tyto javanica*	Eastern barn owl	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Uncommon	Resident breeder	Yes	No		Priority 3	Priority 1
167	Zosteropidae	*Zosterops simplex*	Swinhoe's white-eye	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008)	Species of conservation significance	Distribution/Rarity (Baker & Lim, 2012)	Native status (Baker & Lim, 2012)	Probable species	Recorded species	Remarks	Vibration-sensitivity	Auditory-sensitivity
1	Canidae	*Canis lupus familiaris*	Feral dog	Not Assessed	Not Assessed	No	NA	Non-native	Yes	Yes	Recorded from camera trap	Priority 1	Priority 1
2	Cercopithecidae	*Macaca fascicularis*	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Yes	Widespread and Common	Native	Yes	Yes	Also recorded from camera trap	Priority 1	Priority 1
3	Cynocephalidae	*Galeopterus variegatus*	Sunda colugo	Least Concern	Near Threatened	No	Restricted but Common	Native	Yes	Yes		Priority 1	Priority 1
4	Felidae	*Felis catus*	Feral cat	Not Assessed	Not Assessed	No	NA	Non-native	Yes	No	Recorded in NSS, 2021	Priority 1	Priority 1
5	Manidae	*Manis javanica*	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Yes	Widespread but Rare	Native	Yes	Yes	Recorded from camera trap	Priority 1	Priority 1
6	Muridae	*Mus musculus*	House mouse	Least Concern	Not Assessed	No	Widespread and Common	Native	Yes	No		Priority 1	Priority 1
7	Muridae	*Sundamys annandalei*	Annandale's rat	Least Concern	Not Assessed	No	Restricted but Common	Native	Yes	No		Priority 1	Priority 1
8	Muridae	*Rattus exulans*	Pacific rat	Least Concern	Least Concern	No	Widespread but Uncommon	Native	Yes	No		Priority 1	Priority 1
9	Muridae	*Rattus norvegicus*	Brown rat	Least Concern	Not Assessed	No	Widespread and Common	Non-native	Yes	No		Priority 1	Priority 1
10	Muridae	*Rattus tanezumi*	Asian house rat	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No		Priority 1	Priority 1
11	Muridae	*Rattus tiomanicus*	Malaysian wood rat	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No		Priority 1	Priority 1
	Muridae	*Rattus sp.*	NA	NA	NA	NA	NA	NA	NA	Yes	Recorded from camera trap	Priority 1	Priority 1
12	Sciuridae	*Callosciurus notatus*	Plantain squirrel	Least Concern	Not Assessed	No	Widespread and Common	Native	Yes	Yes	Also recorded from camera trap	Priority 1	Priority 1
13	Sciuridae	*Sundasciurus tenuis*	Slender squirrel	Least Concern	Least Concern	No	Restricted but Common	Native	Yes	Yes	Also recorded from camera trap	Priority 1	Priority 1
14	Soricidae	*Suncus murinus*	House shrew	Least Concern	Not Assessed	No	Widespread and Common	Native	Yes	No		Priority 1	Priority 1
15	Suidae	*Sus scrofa*	Eurasian wild boar	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes	Recorded from camera trap	Priority 1	Priority 1
16	Tupaiidae	*Tupaia glis*	Common treeshrew	Least Concern	Not Assessed	No	Widespread and Common	Native	Yes	Yes	Recorded from camera trap	Priority 1	Priority 1
17	Viverridae	*Paradoxurus musangus*	Sumatran palm civet	Least Concern	Least Concern	No	Widespread but Uncommon	Native	Yes	Yes	Also recorded from camera trap	Priority 1	Priority 1

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008)	Species of onservation significance	Distribution/Rarity (Baker & Lim, 2012)	Native status (Baker & Lim, 2012)	Probable species	Recorded species	Remarks	Vibration-sensitivity	Auditory-sensitivity
1	Emballonuridae	*Saccolaimus saccolaimus*	Pouch tomb bat	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes	Recorded via acoustic sampling	Priority 1	Priority 1
2	Emballonuridae	*Taphozous melanopogon*	Black-bearded tomb bat	Least Concern	Least Concern	No	Widespread but Rare	Native	Yes	Yes	Recorded via acoustic sampling	Priority 1	Priority 1
3	Pteropodidae	*Cynopterus brachyotis*	Lesser short-nosed fruit bat	Least Concern	Not Assessed	No	Widespread and Common	Native	Yes	Yes		Priority 1	Priority 1
4	Pteropodidae	*Eonycteris spelaea*	Cave nectar bat	Least Concern	Vulnerable	Yes	Widespread but Uncommon	Native	Yes	No		Priority 1	Priority 1
5	Rhinolophidae	*Rhinolophus refulgens*	Glossy horseshoe bat	Least Concern	Not Assessed	No	Restricted but Common	Native	Yes	Yes	Recorded via acoustic sampling	Priority 1	Priority 1
6	Vespertilionidae	*Myotis muricola*	Asian whiskered myotis	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes	Recorded via acoustic sampling	Priority 1	Priority 1
7	Vespertilionidae	*Myotis horsfieldii*	Horsfield's myotis	Least Concern	Least Concern	No	NA	Native	No	Yes	Recorded via acoustic sampling	Priority 1	Priority 1
8	Vespertilionidae	*Pipistrellus javanicus*	Javan pipistrelle	Least Concern	Not Assessed	No	Widespread but Uncommon	Native	Yes	Yes	Recorded via acoustic sampling	Priority 1	Priority 1
9	Vespertilionidae	*Scotophilus kuhlii*	Lesser Asian house bat	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes	Recorded via acoustic sampling	Priority 1	Priority 1
10	Vespertilionidae	*Tylonycteris fulvida*	Lesser bamboo bat	Least	Vulnerable	Yes	Restricted and Rare	Native	Yes	No		Priority 1	Priority 1
11	Vespertilionidae	*Tylonycteris malayana*	Greater bamboo bat	Least Concern	Vulnerable	Yes	Widespread and Common	Native	Yes	No		Priority 1	Priority 1
	Vespertilionidae	*Tylonycteris* sp.	Bamboo bat	NA	NA	Yes	NA	NA	NA	Yes	Also recorded via acoustic sampling	Priority 1	Priority 1

S/N	Type	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Ascher et al. (in prep); JXQ Lee, pers comm)	Species of conservation significance	Native status (The Biodiversity of Singapore, 2020; JXQ Lee, pers comm)	Probable species	Recorded species	Remarks	Vibration-sensitivity	Auditory-sensitivity
1	Bee	Apidae	*Amegilla andrewsi*	Andrew's blue-banded digger bee	Not Assessed	Least Concern	No	Native	Yes	Yes		Priority 1	Priority 1
2	Bee	Apidae	*Amegilla korotonensis*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
3	Bee	Apidae	*Apis andreniformis*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
4	Bee	Apidae	*Apis cerana*	Eastern honey bee	Not Assessed	Least Concern	No	Native	Yes	Yes		Priority 1	Priority 1
5	Bee	Apidae	*Apis dorsata*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
6	Bee	Apidae	*Apis florea*	NA	Not Assessed	Not Assessed	No	Non-native	Yes	Yes		Priority 1	Priority 1
7	Bee	Apidae	*Braunsapis clarihirta*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
8	Bee	Apidae	*Braunsapis cupulifera**	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
9	Bee	Apidae	*Braunsapis hewitti**	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
10	Bee	Apidae	*Braunsapis puangensis*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
11	Bee	Apidae	*Ceratina collusor*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
12	Bee	Apidae	*Ceratina lieftincki*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
13	Bee	Apidae	*Ceratina negrolateralis*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
14	Bee	Apidae	*Ceratina dentipes*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
15	Bee	Apidae	*Ceratina smaragdula*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
16	Bee	Apidae	*Ceratina unimaculata*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
17	Bee	Apidae	*Tetragonula valdezi*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
18	Bee	Apidae	*Thyreus ceylonicus*	NA	Not Assessed	Least Concern	No	Native	Yes	Yes		Priority 1	Priority 1
19	Bee	Apidae	*Thyreus himalayensis*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
20	Bee	Apidae	*Xylocopa aestuans*	White-cheeked carpenter bee	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
21	Bee	Apidae	*Xylocopa caerulea*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
22	Bee	Apidae	*Xylocopa flavonigrescens*	NA	Not Assessed	Least Concern	No	Native	Yes	Yes		Priority 1	Priority 1
23	Bee	Apidae	*Xylocopa insularis*	NA	Not Assessed	Data Deficient	No	Native	Yes	No	Specimens collected from this area in LKCNHM	Priority 1	Priority 1
24	Bee	Apidae	*Xylocopa latipes*	Broad-handed carpenter bee	Not Assessed	Least Concern	No	Native	Yes	Yes		Priority 1	Priority 1
25	Bee	Apidae	*Xylocopa myops*	NA	Not Assessed	Data Deficient	No	Native	Yes	No	Specimens collected from this area in LKCNHM	Priority 1	Priority 1
26	Bee	Colletidae	*Hylaeus penangensis*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
27	Bee	Halictidae	*Lasioglossum deliense*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
28	Bee	Halictidae	*Lasioglossum vagans*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
29	Bee	Halictidae	*Lasioglossum adonidiae*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
30	Bee	Halictidae	*Lipotriches takauensis*	NA	Not Assessed	Vulnerable	Yes	Native	Yes	No		Priority 1	Priority 1
31	Bee	Halictidae	*Lipotriches ceratina*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
32	Bee	Halictidae	*Nomia strigata*	Pearly-banded bee	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
33	Bee	Halictidae	*Nomia incerta*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1

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34	Bee	Halictidae	*Patellapis murbanus*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
35	Bee	Halictidae	*Pseudapis siamensis*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
36	Bee	Megachilidae	*Coelioxys confusus*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
37	Bee	Megachilidae	*Euaspis polynesia*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
38	Bee	Megachilidae	*Megachile conjuncta*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
39	Bee	Megachilidae	*Megachile laticeps*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
40	Bee	Megachilidae	*Megachile disjuncta*	NA	Not Assessed	Least Concern	No	Non-native	Yes	No		Priority 1	Priority 1
41	Bee	Megachilidae	*Megachile umbripennis*	NA	Not Assessed	Least Concern	No	Non-native	Yes	No		Priority 1	Priority 1
42	Bee	Megachilidae	*Megachile subrixator*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
43	Stinging Wasp	Crabronidae	*Liris subtessellatus*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
44	Stinging Wasp	Crabronidae	*Tachytes sp.*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
45	Stinging Wasp	Crabronidae	*Trypoxylon sp.*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
46	Stinging Wasp	Pompilidae	*Auplopus sp.*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
47	Stinging Wasp	Pompilidae	*Paragenia argentifrons*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
48	Stinging Wasp	Pompilidae	*Tachypompilus analis*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
49	Stinging Wasp	Scoliidae	*Campsomeriella collaris*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
50	Stinging Wasp	Scoliidae	*Phalerimeris phalerata*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
51	Stinging Wasp	Sphecidae	*Chalybion bengalense*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
52	Stinging Wasp	Sphecidae	*Isodontia diodon*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
53	Stinging Wasp	Sphecidae	*Sceliphron javanum*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
54	Stinging Wasp	Sphecidae	*Sceliphron madraspatanum*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
55	Stinging Wasp	Sphecidae	*Sphex diabolicus*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
56	Stinging Wasp	Sphecidae	*Sphex sericeus*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
57	Stinging Wasp	Sphecidae	*Sphex subtruncatus*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
58	Stinging Wasp	Vespidae	*Allorhynchium argentatum*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
59	Stinging Wasp	Vespidae	*Antepipona sp. nr. bipustulata*	NA	Not Assessed	Least Concern	No	Native	Yes	Yes		Priority 1	Priority 1
60	Stinging Wasp	Vespidae	*Delta campaniforme*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
61	Stinging Wasp	Vespidae	*Delta esuriens*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
62	Stinging Wasp	Vespidae	*Delta pyriforme*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
63	Stinging Wasp	Vespidae	*Elimus sp.*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
64	Stinging Wasp	Vespidae	*Eumenes sp.*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
65	Stinging Wasp	Vespidae	*Liostenogaster nitidipennis*	NA	Not Assessed	Near Threatened	No	Native	Yes	No		Priority 1	Priority 1
66	Stinging Wasp	Vespidae	*Liostenogaster varipicta*	NA	Not Assessed	Near Threatened	No	Native	Yes	Yes		Priority 1	Priority 1
67	Stinging Wasp	Vespidae	*Parapolybia varia*	Lesser paper wasp	Not Assessed	Near Threatened	No	Native	Yes	No		Priority 1	Priority 1
68	Stinging Wasp	Vespidae	*Parischnogaster mellyi*	NA	Not Assessed	Least Concern	No	Native	Yes	Yes		Priority 1	Priority 1
69	Stinging Wasp	Vespidae	*Parischnogaster nigricans*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
70	Stinging Wasp	Vespidae	*Phimenes flavopictus*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
71	Stinging Wasp	Vespidae	*Polistes sagittarius*	Banded paper wasp	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1

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72	Stinging Wasp	Vespidae	*Rhynchium haemorrhoidale*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
73	Stinging Wasp	Vespidae	*Ropalidia erythrospila*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
74	Stinging Wasp	Vespidae	*Ropalidia jacobsoni*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
75	Stinging Wasp	Vespidae	*Ropalidia stigma*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
76	Stinging Wasp	Vespidae	*Ropalidia sumatrae*	NA	Not Assessed	Least Concern	No	Native	Yes	Yes		Priority 1	Priority 1
77	Stinging Wasp	Vespidae	*Ropalidia timida*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
78	Stinging Wasp	Vespidae	*Stenodyneriellus guttulatus*	NA	Not Assessed	Least Concern	No	Native	Yes	Yes		Priority 1	Priority 1
79	Stinging Wasp	Vespidae	*Subancistrocerus sichelii*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
80	Stinging Wasp	Vespidae	*Vespa affinis*	Lesser banded hornet	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
81	Stinging Wasp	Vespidae	*Vespa analis*	NA	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
82	Stinging Wasp	Vespidae	*Vespa tropica*	Greater banded hornet	Not Assessed	Least Concern	No	Native	Yes	No		Priority 1	Priority 1
*Based on Ascher et al. (in prep), both the taxonomic revision of Braunsapis and preliminary DNA barcoding results from Singapore suggests that both *B. cupulifera* and *B. hewitti* may be species													

S/N	Type	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Soh et al., 2019)	Species of conservation significance	Distribution/Rarity (Soh et al. 2019)	Probable species	Recorded species	Vibration-sensitivity	Auditory-sensitivity
1	Damselfly	Coenagrionidae	*Agriocnemis femina*	Variable wisp	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	Priority 1	Priority 3
2	Damselfly	Coenagrionidae	*Agriocnemis rubescens*	Variable sprite	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	No	Priority 1	Priority 3
3	Damselfly	Coenagrionidae	*Archibasis viola*	Violet sprite	Least Concern	Least Concern	No	Widespread and Common	Yes	No	Priority 1	Priority 3
4	Damselfly	Coenagrionidae	*Ceriagrion cerinorubellum*	Ornate coraltail	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	Priority 1	Priority 3
5	Damselfly	Coenagrionidae	*Ischnura senegalensis*	Common bluetail	Least Concern	Least Concern	No	Widespread and Common	Yes	No	Priority 1	Priority 3
6	Damselfly	Coenagrionidae	*Mortonagrion falcatum*	Hooked midget	Least Concern	Critically Endangered	Yes	Restricted and Very Rare	Yes	No	Priority 1	Priority 2
7	Damselfly	Coenagrionidae	*Onychargia atrocyana*	Shorttail	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	No	Priority 1	Priority 3
8	Damselfly	Coenagrionidae	*Pseudagrion microcephalum*	Blue sprite	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	Priority 1	Priority 3
9	Damselfly	Coenagrionidae	*Teinobasis ruficollis*	Red-tailed sprite	Not Assessed	Near Threatened	No	Widespread but Rare	Yes	No	Priority 1	Priority 3
10	Damselfly	Lestidae	*Lestes praemorsus*	Crenulated spreadwing	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	Yes	Priority 1	Priority 3
11	Damselfly	Platycnemididae	*Copera marginipes*	Yellow featherlegs	Least Concern	Least Concern	No	Widespread and Common	Yes	No	Priority 1	Priority 3
12	Dragonfly	Aeshnidae	*Anax guttatus*	Emperor	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	Yes	Priority 1	Priority 3
13	Dragonfly	Aeshnidae	*Gynacantha bayadera*	Small duskhawker	Least Concern	Vulnerable	Yes	Restricted and Rare	Yes	No	Priority 1	Priority 2
14	Dragonfly	Aeshnidae	*Gynacantha dohrni*	Spear-tail duskhawker	Not Assessed	Least Concern	No	Widespread but Uncommon	Yes	No	Priority 1	Priority 3
15	Dragonfly	Aeshnidae	*Gynacantha sp.*	NA	NA	NA	NA	NA	NA	Yes	Priority 1	Priority 3
16	Dragonfly	Aeshnidae	*Gynacantha subinterrupta*	Dingy duskhawker	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	No	Priority 1	Priority 3
17	Dragonfly	Gomphidae	*Ictinogomphus decoratus*	Common flangetail	Least Concern	Least Concern	No	Widespread and Common	Yes	No	Priority 1	Priority 3
18	Dragonfly	Libellulidae	*Acisoma panorpoides*	Trumpet tail	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	Priority 1	Priority 3
19	Dragonfly	Libellulidae	*Aethriamanta brevipennis*	Scarlet adjudant	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	No	Priority 1	Priority 3
20	Dragonfly	Libellulidae	*Aethriamanta gracilis*	Pond adjudant	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	Priority 1	Priority 3
21	Dragonfly	Libellulidae	*Agrionoptera insignis*	Grenadier	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	Priority 1	Priority 3
22	Dragonfly	Libellulidae	*Brachydiplax chalybea*	Blue dasher	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	Priority 1	Priority 3
23	Dragonfly	Libellulidae	*Brachythemis contaminata*	Common amberwing	Least Concern	Least Concern	No	Widespread and Common	Yes	No	Priority 1	Priority 3
24	Dragonfly	Libellulidae	*Camacinia gigantea*	Sultan	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	Yes	Priority 1	Priority 3
25	Dragonfly	Libellulidae	*Cratilla metallica*	Dark-tipped forest skimmer	Least Concern	Least Concern	No	Widespread and Common	Yes	No	Priority 1	Priority 3
26	Dragonfly	Libellulidae	*Crocothemis servilia*	Common scarlet	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	Priority 1	Priority 3
27	Dragonfly	Libellulidae	*Diplacodes nebulosa*	Black-tipped percher	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	Yes	Priority 1	Priority 3
28	Dragonfly	Libellulidae	*Diplacodes trivialis*	Blue percher	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	Priority 1	Priority 3
29	Dragonfly	Libellulidae	*Hydrobasileus croceus*	Water monarch	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	Priority 1	Priority 3
30	Dragonfly	Libellulidae	*Indothemis carnatica*	White-tipped demon	Near Threatened	Critically Endangered	Yes	Restricted and Very Rare	Yes	No	Priority 1	Priority 2
31	Dragonfly	Libellulidae	*Indothemis limbata*	Restless demon	Least Concern	Endangered	Yes	Restricted and Uncommon	Yes	Yes	Priority 1	Priority 2
32	Dragonfly	Libellulidae	*Lathrecista asiatica*	Scarlet grenadier	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	Priority 1	Priority 3
33	Dragonfly	Libellulidae	*Nannophya pygmaea*	Scarlet pygmy	Least Concern	Least Concern	No	Widespread and Common	Yes	No	Priority 1	Priority 3
34	Dragonfly	Libellulidae	*Nesoxenia lineata*	Striped grenadier	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	Yes	Priority 1	Priority 3
35	Dragonfly	Libellulidae	*Neurothemis fluctuans*	Common parasol	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	Priority 1	Priority 3
36	Dragonfly	Libellulidae	*Orchithemis pulcherrima*	Variable sentinel	Least Concern	Least Concern	No	Widespread and Common	Yes	No	Priority 1	Priority 3
37	Dragonfly	Libellulidae	*Orthetrum chrysis*	Spine-tufted skimmer	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	Priority 1	Priority 3
38	Dragonfly	Libellulidae	*Orthetrum glaucum*	Common blue skimmer	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	Priority 1	Priority 3
39	Dragonfly	Libellulidae	*Orthetrum luzonicum*	Slender blue skimmer	Least Concern	Least Concern	No	Widespread and Common	Yes	No	Priority 1	Priority 3
40	Dragonfly	Libellulidae	*Orthetrum sabina*	Variegated green skimmer	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	Priority 1	Priority 3
41	Dragonfly	Libellulidae	*Orthetrum testaceum*	Scarlet skimmer	Least Concern	Least Concern	No	Widespread and Common	Yes	No	Priority 1	Priority 3
42	Dragonfly	Libellulidae	*Pantala flavescens*	Wandering glider	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	Priority 1	Priority 3
43	Dragonfly	Libellulidae	*Potamarcha congener*	Common chaser	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	Priority 1	Priority 3
44	Dragonfly	Libellulidae	*Pseudothemis jorina*	Banded skimmer	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	No	Priority 1	Priority 3
45	Dragonfly	Libellulidae	*Rhodothemis rufa*	Common redbolt	Least Concern	Least Concern	No	Widespread and Common	Yes	No	Priority 1	Priority 3
46	Dragonfly	Libellulidae	*Rhyothemis obsolescens*	Bronze flutterer	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	No	Priority 1	Priority 3
47	Dragonfly	Libellulidae	*Rhyothemis phyllis*	Yellow-barred flutterer	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	Priority 1	Priority 3
48	Dragonfly	Libellulidae	*Rhyothemis triangularis*	Sapphire flutterer	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	Yes	Priority 1	Priority 3
49	Dragonfly	Libellulidae	*Tholymis tillarga*	White-barred duskhawk	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	Priority 1	Priority 3
50	Dragonfly	Libellulidae	*Tramea transmarina*	Saddlebag glider	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	Priority 1	Priority 3
51	Dragonfly	Libellulidae	*Trithemis aurora*	Crimson dropwing	Least Concern	Least Concern	No	Widespread and Common	Yes	Yes	Priority 1	Priority 3
52	Dragonfly	Libellulidae	*Trithemis festiva*	Indigo dropwing	Least Concern	Least Concern	No	Widespread and Common	Yes	No	Priority 1	Priority 3

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53	Dragonfly	Libellulidae	*Trithemis pallidinervis*	Dancing dropwing	Least Concern	Least Concern	No	Widespread but Uncommon	Yes	No	Priority 1	Priority 3
54	Dragonfly	Libellulidae	*Urothemis signata*	Scarlet basker	Not Assessed	Least Concern	No	Widespread and Common	Yes	No	Priority 1	Priority 3
55	Dragonfly	Libellulidae	*Zyxomma petiolatum*	Slender duskdarter	Least Concern	Least Concern	No	Widespread and Common	Yes	No	Priority 1	Priority 3

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Soh et al., 2019)	Species of conservation significance	Distribution/Rarity (Soh et al. 2019)	Probable species	Recorded species	Vibration-sensitivity	Auditory-sensitivity
1	Hesperiidae	*Ampittia dioscorides camertes*	Bush hopper	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
2	Hesperiidae	*Ancistroides nigrita maura*	Chocolate demon	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
3	Hesperiidae	*Astictopterus jama jama*	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Yes	No	Priority 1	Priority 1
4	Hesperiidae	*Baoris farri farri*	Bamboo paintbrush swift	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
5	Hesperiidae	*Baoris oceia*	Paintbrush swift	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
6	Hesperiidae	*Borbo cinnara*	Formosan swift	Not Assessed	Endangered	Yes	Moderately common	Yes	No	Priority 1	Priority 1
7	Hesperiidae	*Bibasis harisa consobrina*	Orange awlet	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
8	Hesperiidae	*Caltoris cormasa*	Full stop swift	Not Assessed	Not Assessed	No	Moderately rare	Yes	Yes	Priority 1	Priority 1
9	Hesperiidae	*Caltoris malaya*	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Yes	No	Priority 1	Priority 1
10	Hesperiidae	*Cephrenes acalle niasicus*	Plain palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Yes	No	Priority 1	Priority 1
11	Hesperiidae	*Cephrenes trichopepla*	Yellow palm dart	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
12	Hesperiidae	*Erionota acroleuca apicalis*	White tipped banana skipper	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
13	Hesperiidae	*Erionota thrax thrax*	Banana skipper	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
14	Hesperiidae	*Erionota torus*	Torus skipper	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
15	Hesperiidae	*Halpe ormenes vilasina*	Dark banded ace	Not Assessed	Not Assessed	No	Rare	Yes	No	Priority 1	Priority 1
16	Hesperiidae	*Hasora badra badra*	Common awl	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
17	Hesperiidae	*Hasora chromus chromus*	Common banded awl	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
18	Hesperiidae	*Hasora vitta vitta*	Plain banded awl	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
19	Hesperiidae	*Hidari irava*	Coconut skipper	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
20	Hesperiidae	*Iambrix salsala salsala*	Chestnut bob	Not Assessed	Not Assessed	No	Common	Yes	Yes	Priority 1	Priority 1
21	Hesperiidae	*Iambrix stellifer*	Starry bob	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
22	Hesperiidae	*Matapa aria*	Common redeye	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
23	Hesperiidae	*Notocrypta paralysos varians*	Banded demon	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
24	Hesperiidae	*Odina hieroglyphica ortina*	Hieroglyphic flat	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
25	Hesperiidae	*Oriens gola pseudolus*	Common dartlet	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
26	Hesperiidae	*Pelopidas agna agna*	Bengal swift	Not Assessed	Endangered	Yes	Moderately common	Yes	No	Priority 1	Priority 1
27	Hesperiidae	*Pelopidas assamensis*	Great swift	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
28	Hesperiidae	*Pelopidas conjunctus conjunctus*	Conjoined swift	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
29	Hesperiidae	*Pelopidas mathias mathias*	Small branded swift	Not Assessed	Not Assessed	No	Common	Yes	Yes	Priority 1	Priority 1
30	Hesperiidae	*Plastingia naga*	Chequered lancer	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
31	Hesperiidae	*Polytremis lubricans lubricans*	Contiguous swift	Not Assessed	Not Assessed	No	Common	Yes	Yes	Priority 1	Priority 1
32	Hesperiidae	*Potanthus ganda*	NA	Not Assessed	Not Assessed	No	NA	Yes	No	Priority 1	Priority 1
33	Hesperiidae	*Potanthus omaha omaha*	Lesser dart	Not Assessed	Not Assessed	No	Common	Yes	Yes	Priority 1	Priority 1
34	Hesperiidae	*Potanthus serina*	Large dart	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
35	Hesperiidae	*Potanthus trachala tytleri*	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Yes	No	Priority 1	Priority 1
36	Hesperiidae	*Pyroneura latoia latoia*	Yellow vein lancer	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
37	Hesperiidae	*Suastus gremius gremius*	Palm bob	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
38	Hesperiidae	*Tagiades japetus atticus*	Common snow flat	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
39	Hesperiidae	*Taractrocera archias quinta*	Yellow grass dart	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
40	Hesperiidae	*Taractrocera ardonia lamia*	Spotted grass dart	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
41	Hesperiidae	*Telicota augias augias*	Pale palm dart	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1

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42	Hesperiidae	*Telicota besta bina*	Besta palm dart	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
43	Hesperiidae	*Telicota colon stinga*	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately common	Yes	No	Priority 1	Priority 1
44	Hesperiidae	*Udaspes folus*	Grass demon	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
45	Hesperiidae	*Zographetus doxus*	Spotted flitter	Not Assessed	Not Assessed	No	Rare	Yes	No	Priority 1	Priority 1
46	Lycaenidae	*Acytolepis puspa lambi*	Common hedge blue	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
47	Lycaenidae	*Allotinus unicolor unicolor*	Lesser darkwing	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
48	Lycaenidae	*Anthene emolus goberus*	Ciliate blue	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
49	Lycaenidae	*Anthene lycaenina miya*	Pointed ciliate blue	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
50	Lycaenidae	*Arhopala amphimuta amphimuta*	NA	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately common	Yes	No	Priority 1	Priority 1
51	Lycaenidae	*Arhopala centaurus nakula*	Centaur oakblue	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
52	Lycaenidae	*Arhopala major major*	NA	Not Assessed	Data Deficient	No	Common	Yes	No	Priority 1	Priority 1
53	Lycaenidae	*Catochrysops panormus exiguus*	Silver forget-me-not	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
54	Lycaenidae	*Catochrysops strabo strabo*	Forget-me-not	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
55	Lycaenidae	*Catopyrops ancyra*	Ancyra blue	Not Assessed	Vulnerable	Yes	Moderately rare	Yes	No	Priority 1	Priority 1
56	Lycaenidae	*Cheritra freja frigga*	Common imperial	Least Concern	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
57	Lycaenidae	*Chilades pandava pandava*	Cycad blue	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
58	Lycaenidae	*Curetis saronis sumatrana*	Sumatran sunbeam	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
59	Lycaenidae	*Drupadia ravindra moorei*	Common posy	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
60	Lycaenidae	*Drupadia ravindra moorei*	Common posy	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
61	Lycaenidae	*Eooxylides tharis distanti*	Branded imperial	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
62	Lycaenidae	*Euchrysops cnejus cnejus*	Gram blue	Not Assessed	Not Assessed	No	Moderately common	Yes	Yes	Priority 1	Priority 1
63	Lycaenidae	*Everes lacturnus rileyi*	Indian cupid	Not Assessed	Not Assessed	No	Rare	Yes	No	Priority 1	Priority 1
64	Lycaenidae	*Flos apidanus saturatus*	Plain plushblue	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
65	Lycaenidae	*Hypolycaena erylus teatus*	Common tit	Not Assessed	Not Assessed	No	Common	Yes	Yes	Priority 1	Priority 1
66	Lycaenidae	*Hypolycaena thecloides thecloides*	Dark tit	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
67	Lycaenidae	*Ionolyce helicon merguiana*	Pointed line blue	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
68	Lycaenidae	*Iraota rochana boswelliana*	Scarce silverstreak	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
69	Lycaenidae	*Jamides alecto ageladas*	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Yes	No	Priority 1	Priority 1
70	Lycaenidae	*Jamides bochus nabonassar*	Dark caerulean	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
71	Lycaenidae	*Jamides celeno aelianus*	Common caerulean	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
72	Lycaenidae	*Lampides boeticus*	Pea blue	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
73	Lycaenidae	*Logania marmorata damis*	Pale mottle	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
74	Lycaenidae	*Loxura atymnus fuconius*	Yamfly	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
75	Lycaenidae	*Megisba malaya sikkima*	Malayan	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
76	Lycaenidae	*Miletus biggsii biggsii*	Bigg's brownwing	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
77	Lycaenidae	*Miletus symethus petronius*	Blue brownwing/great brownie	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
78	Lycaenidae	*Nacaduba berenice icena*	Rounded sixline blue	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
79	Lycaenidae	*Nacaduba beroe neon*	Opaque sixline blue	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
80	Lycaenidae	*Nacaduba biocellata*	Two spotted line blue	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1

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81	Lycaenidae	*Nacaduba kurava nemana*	Transparent sixline blue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately common	Yes	No	Priority 1	Priority 1
82	Lycaenidae	*Nacaduba pavana singapura*	Singapore fourline blue	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
83	Lycaenidae	*Nacaduba sanaya elioti*	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Yes	No	Priority 1	Priority 1
84	Lycaenidae	*Petrelaea dana dana*	Dingy line blue	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
85	Lycaenidae	*Prosotas dubiosa lumpura*	Tailless line blue	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
86	Lycaenidae	*Prosotas nora superdates*	Common line blue	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
87	Lycaenidae	*Rapala dieneces dieneces*	Scarlet flash	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
88	Lycaenidae	*Rapala iarbus iarbus*	Common red flash	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
89	Lycaenidae	*Rapala manea chozeba*	Slate flash	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
90	Lycaenidae	*Rapala pheretima sequeira*	Copper flash	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
91	Lycaenidae	*Rapala suffusa barthema*	Suffused flash	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
92	Lycaenidae	*Rapala varuna orseis*	Indigo flash	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
93	Lycaenidae	*Semanga superba deliciosa*	NA	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
94	Lycaenidae	*Spalgis epius epius*	Apefly	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
95	Lycaenidae	*Spindasis lohita senama*	Long banded silverline	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
96	Lycaenidae	*Spindasis syama terana*	Club silverline	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
97	Lycaenidae	*Surendra vivarna amisena*	Acacia blue	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
98	Lycaenidae	*Tajuria cippus maxentius*	Peacock royal	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
99	Lycaenidae	*Virachola kessuma deliochus*	Pitcher blue	Not Assessed	Not Assessed	No	Rare	Yes	No	Priority 1	Priority 1
100	Lycaenidae	*Zeltus amasa maximinianus*	Fluffy tit	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
101	Lycaenidae	*Zizeeria maha serica*	Pale grass blue	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
102	Lycaenidae	*Zizina otis lampa*	Lesser grass blue	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
103	Lycaenidae	*Zizula hylax pygmaea*	Pygmy grass blue	Not Assessed	Not Assessed	No	Common	Yes	Yes	Priority 1	Priority 1
104	Nymphalidae	*Acraea terpsicore*	Tawny coster	Not Assessed	Not Assessed	No	Common	Yes	Yes	Priority 1	Priority 1
105	Nymphalidae	*Amathusia phidippus phidippus*	Palm king	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
106	Nymphalidae	*Athyma kanwa kanwa*	Dot-dash sergeant	Not Assessed	Not Assessed	No	Rare	Yes	No	Priority 1	Priority 1
107	Nymphalidae	*Athyma nefte subrata*	Colour sergeant	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
108	Nymphalidae	*Cethosia cyane*	Leopard lacewing	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
109	Nymphalidae	*Danaus chrysippus chrysippus*	Plain tiger	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
110	Nymphalidae	*Doleschallia bisaltide bisaltide*	Autumn leaf	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
111	Nymphalidae	*Elymnias hypermnestra agina*	Common palmfly	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
112	Nymphalidae	*Elymnias panthera panthera*	Tawny palmfly	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
113	Nymphalidae	*Euploea midamus singapura*	Blue spotted crow	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
114	Nymphalidae	*Euploea mulciber mulciber*	Striped blue crow	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
115	Nymphalidae	*Euripus nyctelius euploeoides*	Courtesan	Not Assessed	Critically Endangered	Yes	Rare	Yes	No	Priority 1	Priority 1
116	Nymphalidae	*Euthalia aconthea gurda*	Baron	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
117	Nymphalidae	*Euthalia adonia pinwilli*	Green baron	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
118	Nymphalidae	*Euthalia monina monina*	Malay baron	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
119	Nymphalidae	*Faunis canens arcesilas*	Common faun	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
120	Nymphalidae	*Hypolimnas anomala anomala*	Malayan eggfly	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
121	Nymphalidae	*Hypolimnas bolina bolina*	Great eggfly	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
122	Nymphalidae	*Hypolimnas bolina jacintha*	Jacintha eggfly	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1

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123	Nymphalidae	*Ideopsis vulgaris macrina*	Blue glassy tiger	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
124	Nymphalidae	*Junonia almana javana*	Peacock pansy	Least Concern	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
125	Nymphalidae	*Junonia hedonia ida*	Chocolate pansy	Not Assessed	Not Assessed	No	Common	Yes	Yes	Priority 1	Priority 1
126	Nymphalidae	*Junonia orithya wallacei*	Blue pansy	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
127	Nymphalidae	*Lasippa tiga siaka*	Malayan lascar	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
128	Nymphalidae	*Lethe europa malaya*	Bamboo tree brown	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
129	Nymphalidae	*Lexias pardalis dirteana*	Archduke	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
130	Nymphalidae	*Melanitis leda leda*	Common evening brown	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
131	Nymphalidae	*Moduza procris milonia*	Commander	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
132	Nymphalidae	*Mycalesis fusca fusca*	Malayan bush brown	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
133	Nymphalidae	*Mycalesis mineus macromalayana*	Dark brand bush brown	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
134	Nymphalidae	*Mycalesis perseoides perseoides*	Burmese bush brown	Not Assessed	Data Deficient	No	Common	Yes	Yes	Priority 1	Priority 1
135	Nymphalidae	*Mycalesis perseus cepheus*	Dingy bush brown	Not Assessed	Not Assessed	No	Moderately common	Yes	Yes	Priority 1	Priority 1
136	Nymphalidae	*Mycalesis visala phamis*	Long brand bush brown	Not Assessed	Not Assessed	No	Moderately common	Yes	Yes	Priority 1	Priority 1
137	Nymphalidae	*Neptis hylas papaja*	Common sailor	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
	Nymphalidae	*Neptis sp.*	NA	NA	NA	NA	NA	NA	Yes	Priority 1	Priority 1
138	Nymphalidae	*Orsotriaena medus cinerea*	Dark grass brown	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
139	Nymphalidae	*Pantoporia hordonia hordonia*	Common lascar	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
140	Nymphalidae	*Pantoporia hordonia hordonia*	Common lascar	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
141	Nymphalidae	*Parantica agleoides agleoides*	Dark glassy tiger	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
142	Nymphalidae	*Phaedyma columella singa*	Short banded sailor	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
143	Nymphalidae	*Phalanta phalantha phalantha*	Leopard	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
144	Nymphalidae	*Polyura hebe plautus*	Plain nawab	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
145	Nymphalidae	*Polyura schreiber tisamenus*	Blue nawab	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
146	Nymphalidae	*Tanaecia iapis puseda*	Horsfield's baron	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
147	Nymphalidae	*Tanaecia pelea pelea*	Malay viscount	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
148	Nymphalidae	*Vindula dejone erotella*	Cruiser	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
149	Nymphalidae	*Ypthima baldus newboldi*	Common five-ring	Not Assessed	Not Assessed	No	Common	Yes	Yes	Priority 1	Priority 1
150	Nymphalidae	*Ypthima horsfieldii humei*	Malayan five-ring	Not Assessed	Not Assessed	No	Common	Yes	Yes	Priority 1	Priority 1
151	Nymphalidae	*Ypthima huebneri*	Common four-ring	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
152	Nymphalidae	*Ypthima pandocus corticaria*	Common three-ring	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
153	Papilionidae	*Chilasa clytia clytia*	Common mime	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
154	Papilionidae	*Graphium agamemnon agamemnon*	Tailed jay	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
155	Papilionidae	*Graphium sarpedon luctatius*	Common bluebottle	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
156	Papilionidae	*Pachliopta aristolochiae asteris*	Common rose	Not Assessed	Vulnerable	Yes	Moderately common	Yes	No	Priority 1	Priority 1
157	Papilionidae	*Papilio demoleus malayanus*	Lime butterfly	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
158	Papilionidae	*Papilio polytes romulus*	Common mormon	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
159	Papilionidae	*Troides helena cerberus*	Common birdwing	Not Assessed; CITES protected	Vulnerable	Yes	Moderately common	Yes	Yes	Priority 1	Priority 1
160	Pieridae	*Appias libythea olferna*	Striped albatross	Not Assessed	Not Assessed	No	Common	Yes	Yes	Priority 1	Priority 1
161	Pieridae	*Catopsilia pomona pomona*	Lemon emigrant	Not Assessed	Not Assessed	No	Common	Yes	Yes	Priority 1	Priority 1
162	Pieridae	*Catopsilia pyranthe pyranthe*	Mottled emigrant	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1

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163	Pieridae	*Catopsilia scylla cornelia*	Orange emigrant	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
164	Pieridae	*Delias hyparete metarete*	Painted jezebel	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
165	Pieridae	*Eurema andersonii andersonii*	Anderson's grass yellow	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
166	Pieridae	*Eurema blanda snelleni*	Three spot grass yellow	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
167	Pieridae	*Eurema hecabe contubernalis*	Common grass yellow	Not Assessed	Not Assessed	No	Common	Yes	Yes	Priority 1	Priority 1
168	Pieridae	*Eurema sari sodalis*	Chocolate grass yellow	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
169	Pieridae	*Eurema simulatrix tecmessa*	Forest grass yellow	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
170	Pieridae	*Leptosia nina malayana*	Psyche	Not Assessed	Not Assessed	No	Common	Yes	No	Priority 1	Priority 1
171	Pieridae	*Pieris canidia canidia*	Cabbage white	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
172	Riodinidae	*Abisara geza niya*	Spotted judy	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
173	Riodinidae	*Abisara saturata kausambioides*	Malayan plum judy	Not Assessed	Not Assessed	No	Moderately common	Yes	No	Priority 1	Priority 1
174	Riodinidae	*Abisara savitri savitri*	Malay tailed judy	Not Assessed	Not Assessed	No	Moderately rare	Yes	No	Priority 1	Priority 1
175	Riodinidae	*Taxila haquinus haquinus*	Harlequin	Not Assessed	Endangered	Yes	Moderately rare	Yes	No	Priority 1	Priority 1

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1	Gecarcinucidae	*Parathelphusa maculata*	Maculate freshwater crab	Least Concern	Not Assessed	No	Native	Yes	No	Priority 1	N/A
2	Palaemonidae	*Macrobrachium lanchesteri*	Riceland shrimp	Least Concern	Not Assessed	No	Non-native	Yes	No	Priority 1	N/A

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1	Anabantidae	*Anabas testudineus*	Oriental climbing perch	Least Concern	Not Assessed	No	Native	Yes	No	Priority 1	N/A
2	Channidae	*Channa striata*	Common snakehead/aruan	Least Concern	Not Assessed	No	Native	Yes	No	Priority 1	N/A
3	Poeciliidae	*Gambusia affinis*	Mosquitofish	Least Concern	Not Assessed	No	Non-native	Yes	No	Priority 1	N/A
4	Poeciliidae	*Poecilia reticulata*	Guppy	Least Concern	Not Assessed	No	Non-native	Yes	Yes	Priority 1	N/A
5	Poeciliidae	*Poecilia sphenops*	Green molly	Least Concern	Not Assessed	No	Non-native	Yes	No	Priority 1	N/A
6	Synbranchidae	*Monopterus albus*	Sunda swamp-eel	Least Concern	Not Assessed	No	Native	Yes	No	Priority 1	N/A

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008)	Species of conservation significance	Distribution/Rarity (Baker & Lim, 2012)	Native status (Baker & Lim, 2012)	Probable species	Recorded species	Vibration-sensitivity	Auditory-sensitivity
1	Bufonidae	*Duttaphrynus melanostictus*	Asian toad	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes	Priority 1	Priority 1
2	Dicroglossidae	*Fejervarya cancrivora*	Crab-eating frog	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No	Priority 1	Priority 1
3	Dicroglossidae	*Fejervarya limnocharis*	Field frog	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes	Priority 1	Priority 1
4	Dicroglossidae	*Limnonectes blythii*	Malayan giant frog	Near Threatened	Least Concern	No	Widespread and Common	Native	Yes	Yes	Priority 1	Priority 1
5	Dicroglossidae	*Limnonectes malesianus*	Malesian frog	Near Threatened	Near Threatened	No	Restricted but Common	Native	Yes	No	Priority 1	Priority 1
6	Dicroglossidae	*Occidozyga sumatrana*	Yellow-bellied puddle frog	Least Concern	Near Threatened	No	Restricted but Common	Native	Yes	No	Priority 1	Priority 1
7	Eleutherodactylidae	*Eleutherodactylus planirostris*	Greenhouse frog	Least Concern	Not Assessed	No	Widespread and Common	Non-native	Yes	Yes	Priority 1	Priority 1
8	Microhylidae	*Kaloula pulchra*	Banded bull frog	Least Concern	Not Assessed	No	Widespread and Common	Non-native	Yes	Yes	Priority 1	Priority 1
9	Microhylidae	*Microhyla butleri*	Painted chorus frog	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes	Priority 1	Priority 1
10	Microhylidae	*Microhyla mukhlesuri*	East Asian ornate chorus frog	Least Concern	Not Assessed	No	Restricted and Rare	Non-native	Yes	Yes	Priority 1	Priority 1
11	Microhylidae	*Microhyla heymonsi*	Dark-sided chorus frog	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes	Priority 1	Priority 1
12	Ranidae	*Chalcorana labialis*	Copper-cheeked frog	Least Concern	Least Concern	No	Restricted but Common	Native	Yes	Yes	Priority 1	Priority 1
13	Ranidae	*Hylarana erythraea*	Green paddy frog	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes	Priority 1	Priority 1
14	Ranidae	*Lithobates catesbeianus*	American bullfrog	Least Concern	Not Assessed	No	Widespread and Common	Non-native	Yes	No	Priority 1	Priority 1
15	Ranidae	*Pulchrana laterimaculata*	Masked rough-sided frog	Least Concern	Near Threatened	No	Restricted and Uncommon	Native	Yes	No	Priority 1	Priority 1
16	Rhacophoridae	*Polypedates leucomystax*	Four-lined tree frog	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes	Priority 1	Priority 1

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008)	Species of conservation significance	Distribution/Rarity (Baker & Lim, 2012)	Native status (Baker & Lim, 2012)	Probable species	Recorded species	Remarks	Vibration-sensitivity	Auditory-sensitivity
1	Agamidae	*Bronchocela cristatella*	Green crested lizard	Not Assessed	Least Concern	No	Widespread but Uncommon	Native	Yes	No		Priority 3	Priority 1
2	Agamidae	*Calotes versicolor*	Changeable lizard	Not Assessed	Not Assessed	No	Widespread and Common	Non-native	Yes	Yes		Priority 3	Priority 1
3	Agamidae	*Draco sumatranus*	Sumatran flying dragon	Not Assessed	Least Concern	No	Widespread and Common	Native	Yes	No		Priority 3	Priority 1
4	Colubridae	*Ahaetulla prasina*	Oriental whip snake	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No		Priority 1	Priority 3
5	Colubridae	*Calamaria schlegeli*	Pink-headed reed snake	Least Concern	Near Threatened	No	Restricted and Rare	Native	Yes	No	Teo & Rajathurai, 1997	Priority 1	Priority 3
6	Colubridae	*Chrysopelea paradisi*	Paradise gliding snake	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No		Priority 1	Priority 3
7	Colubridae	*Coelognathus flavolineatus*	Common Malayan racer	Least Concern	Least Concern	No	Widespread but Rare	Native	Yes	No		Priority 1	Priority 3
8	Colubridae	*Dendrelaphis caudolineatus*	Striped bronzeback	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No		Priority 1	Priority 3
9	Colubridae	*Dendrelaphis kopsteini*	Red-necked bronzeback	Least Concern	Near Threatened	No	Widespread but Rare	Native	Yes	No	Recorded in Holland Woods	Priority 1	Priority 3
10	Colubridae	*Dendrelaphis pictus*	Painted bronzeback	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes		Priority 1	Priority 3
11	Colubridae	*Lycodon capucinus*	House wolf snake	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No	Recorded in Ho et al., 2019	Priority 1	Priority 3
12	Colubridae	*Oligodon octolineatus*	Striped kukri snake	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No		Priority 1	Priority 3
13	Colubridae	*Ptyas korros*	Indochinese rat snake	Least Concern	Least Concern	No	Widespread but Uncommon	Native	Yes	No		Priority 1	Priority 3
14	Colubridae	*Xenochrophis vittatus*	Striped keelback	Least Concern	Not Assessed	No	Widespread and Common	Non-native	Yes	No		Priority 1	Priority 3
15	Elapidae	*Calliophis intestinalis*	Malayan banded coral snake	Least Concern	Near Threatened	No	Widespread but Rare	Native	Yes	No		Priority 1	Priority 3
16	Elapidae	*Naja sumatrana*	Equatorial spitting cobra	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Widespread and Common	Native	Yes	No		Priority 1	Priority 3
17	Emydidae	*Trachemys scripta*	Red-eared slider	Least Concern	Not Assessed	No	Widespread and Common	Non-native	Yes	No		Priority 1	Priority 3
18	Gekkonidae	*Gehyra mutilata*	Four-clawed gecko	Not Assessed	Not Assessed	No	Widespread and Common	Native	Yes	No		Priority 3	Priority 1
19	Gekkonidae	*Gekko monarchus*	Spotted house gecko	Not Assessed	Not Assessed	No	Widespread and Common	Native	Yes	No		Priority 3	Priority 1
20	Gekkonidae	*Hemidactylus frenatus*	Spiny-tailed house gecko	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No		Priority 3	Priority 1
21	Gekkonidae	*Hemidactylus platyurus*	Flat-tailed gecko	Not Assessed	Least Concern	No	Widespread and Common	Native	Yes	No		Priority 3	Priority 1

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008)	Species of conservation significance	Distribution/Rarity (Baker & Lim, 2012)	Native status (Baker & Lim, 2012)	Probable species	Recorded species	Remarks	Vibration-sensitivity	Auditory-sensitivity
22	Gekkonidae	*Lepidodactylus lugubris*	Maritime gecko	Not Assessed	Not Assessed	No	Widespread but Rare	Native	Yes	No		Priority 3	Priority 1
23	Geomydidae	*Cuora amboinensis*	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	Yes	Restricted but Common	Native	Yes	No		Priority 1	Priority 2
24	Geomydidae	*Siebenrockiella crassicollis*	Black marsh terrapin	Vulnerable; CITES protected (Appendix II)	Not Assessed	No	Widespread and Common	Non-native	Yes	No		Priority 1	Priority 3
25	Homalopsidae	*Homalopsis buccata*	Puff-faced water snake	Least Concern	Vulnerable	Yes	Widespread but Uncommon	Native	Yes	No		Priority 1	Priority 2
26	Pythonidae	*Malayopython reticulatus*	Reticulated python	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Widespread and Common	Native	Yes	No	Recorded in Ho et al., 2019	Priority 1	Priority 3
27	Scincidae	*Eutropis multifasciata*	Many-lined sun skink	Not Assessed	Least Concern	No	Widespread and Common	Native	Yes	Yes		Priority 1	Priority 1
28	Scincidae	*Lygosoma bowringii*	Garden supple skink	Not Assessed	Least Concern	No	Widespread and Common	Native	Yes	No		Priority 1	Priority 1
29	Typhlopidae	*Indotyphlops braminus*	Brahminy blind snake	Least Concern	Not Assessed	No	Widespread and Common	Native	Yes	No		Priority 1	Priority 3
30	Varanidae	*Varanus nebulosus*	Clouded monitor	Not Assessed; CITES protected (Appendix I)	Least Concern	No	Restricted but Common	Native	Yes	Yes	Also recorded on camera trap	Priority 1	Priority 1
31	Varanidae	*Varanus salvator*	Malayan water monitor	Least Concern; CITES protected (Appendix II)	Least Concern	No	Widespread and Common	Native	Yes	Yes	Recorded on camera trap	Priority 1	Priority 1
32	Xenopeltidae	*Xenopeltis unicolor*	Iridescent earth snake	Least Concern	Least Concern	No	Widespread but Uncommon	Native	Yes	No	Recorded in Ho et al., 2019	Priority 1	Priority 3

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1	Acanthizidae	*Gerygone sulphurea*	Golden-bellied gerygone	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 3	Priority 1
2	Accipitridae	*Accipiter gularis*	Japanese sparrowhawk	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Common	Winter visitor	Yes	No		Priority 3	Priority 1
3	Accipitridae	*Accipiter soloensis*	Chinese sparrowhawk	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 3	Priority 1
4	Accipitridae	*Accipiter trivirgatus*	Crested goshawk	Least Concern; CITES protected (Appendix II)	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	No		Priority 2	Priority 1
5	Accipitridae	*Aviceda jerdoni*	Jerdon's baza	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 3	Priority 1
6	Accipitridae	*Aviceda leuphotes*	Black baza	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Common	Winter visitor	Yes	No		Priority 3	Priority 1
7	Accipitridae	*Buteo buteo*	Common buzzard	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 3	Priority 1
8	Accipitridae	*Haliaeetus leucogaster*	White-bellied sea eagle	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 3	Priority 1
9	Accipitridae	*Haliastur indus*	Brahminy kite	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 3	Priority 1
10	Accipitridae	*Nisaetus cirrhatus*	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Endangered	Yes	Uncommon	Resident breeder	Yes	Yes		Priority 2	Priority 1
11	Accipitridae	*Pernis ptilorhynchus*	Crested honey-buzzard	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Common	Winter visitor	Yes	Yes		Priority 3	Priority 1
12	Accipitridae	*Spilornis cheela*	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	Yes	Rare	Resident, breeding not proven	Yes	No		Priority 2	Priority 1
13	Aegithinidae	*Aegithina tiphia*	Common iora	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
14	Alcedinidae	*Alcedo atthis*	Common kingfisher	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	Yes		Priority 3	Priority 1
15	Alcedinidae	*Ceyx erithaca*	Oriental dwarf kingfisher	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 3	Priority 1
16	Alcedinidae	*Halcyon coromanda*	Ruddy kingfisher	Least Concern	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	Yes		Priority 2	Priority 1
17	Alcedinidae	*Halcyon smyrnensis*	White-throated kingfisher	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
18	Alcedinidae	*Pelargopsis capensis*	Stork-billed kingfisher	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No		Priority 3	Priority 1
19	Alcedinidae	*Todiramphus chloris*	Collared kingfisher	Least Concern	Not Assessed	No	Abundant	Resident breeder	Yes	No		Priority 3	Priority 1
20	Apodidae	*Aerodramus fuciphagus*	Edible-nest swiftlet	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 1	Priority 1
21	Apodidae	*Aerodramus maximus*	Black-nest swiftlet	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 1	Priority 1
	Apodidae	*Aerodramus* sp.	NA	NA	NA	NA	NA	NA	NA	Yes		Priority 1	Priority 1
22	Apodidae	*Collocalia affinis*	Plume-toed swiftlet	Not Assessed	Not Assessed	No	Uncommon	Resident breeder	Yes	No		Priority 1	Priority 1
23	Apodidae	*Cypsiurus balasiensis*	Asian palm swift	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No		Priority 3	Priority 1
24	Apodidae	*Hirundapus caudacutus*	White-throated needletail	Least Concern	Not Assessed	No	Rare	Accidental visitor	Yes	No		Priority 3	Priority 1
25	Apodidae	*Hirundapus cochinchinensis*	Silver-backed needletail	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 3	Priority 1
26	Apodidae	*Hirundapus giganteus*	Brown-backed needletail	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 3	Priority 1
27	Ardeidae	*Bubulcus coromandus*	Eastern cattle egret	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	Yes		Priority 1	Priority 1
28	Ardeidae	*Butorides striata*	Striated heron	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 1	Priority 1
29	Ardeidae	*Egretta garzetta*	Little egret	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	No		Priority 1	Priority 1
30	Ardeidae	*Gorsachius melanolophus*	Malayan night heron	Least Concern	Not Assessed	No	Rare	Winter visitor	Yes	No		Priority 1	Priority 1
31	Ardeidae	*Ixobrychus cinnamomeus*	Cinnamon bittern	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No		Priority 1	Priority 1
32	Ardeidae	*Ixobrychus flavicollis*	Black bittern	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 1	Priority 1
33	Ardeidae	*Ixobrychus sinensis*	Yellow bittern	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 1	Priority 1

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34	Bucerotidae	*Anthracoceros albirostris*	Oriental pied hornbill	Least Concern; CITES protected (Appendix II)	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	No		Priority 2	Priority 1
35	Cacatuidae	*Cacatua goffiniana*	Tanimbar corella	Near Threatened; CITES protected (Appendix I)	Not Assessed	No	Common	Introduced resident breeder	Yes	Yes		Priority 3	Priority 1
36	Cacatuidae	*Cacatua sulphurea*	Yellow-crested cockatoo	Critically Endangered; CITES protected (Appendix I)	Not Assessed	No	Uncommon	Introduced resident breeder	Yes	No		Priority 3	Priority 1
37	Campephagidae	*Lalage nigra*	Pied triller	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
38	Campephagidae	*Pericrocotus divaricatus*	Ashy minivet	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	Yes		Priority 3	Priority 1
39	Caprimulgidae	*Caprimulgus affinis*	Savanna nightjar	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 1	Priority 1
40	Caprimulgidae	*Caprimulgus jotaka*	Jungle nightjar	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 1	Priority 1
41	Caprimulgidae	*Caprimulgus macrurus*	Large-tailed nightjar	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 1	Priority 1
42	Charadriidae	*Vanellus indicus*	Red-wattled lapwing	Least Concern	Endangered	Yes	Uncommon	Resident breeder	Yes	Yes		Priority 1	Priority 1
43	Chloropseidae	*Chloropsis moluccensis*	Blue-winged leafbird	Least Concern	Not Assessed	No	Common	Resident, breeding not proven	Yes	No		Priority 3	Priority 1
44	Cisticolidae	*Orthotomus atrogularis*	Dark-necked tailorbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
45	Cisticolidae	*Orthotomus ruficeps*	Ashy tailorbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
46	Cisticolidae	*Orthotomus sericeus*	Rufous-tailed tailorbird	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	Yes		Priority 3	Priority 1
47	Cisticolidae	*Orthotomus sutorius*	Common tailorbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
48	Cisticolidae	*Prinia flaviventris*	Yellow-bellied prinia	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 3	Priority 1
49	Columbidae	*Chalcophaps indica*	Common emerald dove	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	Yes	Also recorded on camera trap	Priority 1	Priority 1
50	Columbidae	*Columba livia*	Rock dove	Least Concern	Not Assessed	No	Abundant	Introduced resident breeder	Yes	No		Priority 1	Priority 1
51	Columbidae	*Ducula bicolor*	Pied imperial pigeon	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No		Priority 3	Priority 1
52	Columbidae	*Geopelia striata*	Zebra dove	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 1	Priority 1
53	Columbidae	*Ptilinopus jambu*	Jambu fruit dove	Near Threatened	Not Assessed	No	Uncommon	Non-breeding visitor	Yes	No		Priority 3	Priority 1
54	Columbidae	*Spilopelia chinensis*	Spotted dove	Least Concern	Not Assessed	No	Abundant	Resident breeder	Yes	Yes	Also recorded on camera trap	Priority 1	Priority 1
55	Columbidae	*Treron curvirostra*	Thick-billed green pigeon	Least Concern	Endangered	Yes	Uncommon	Resident breeder	Yes	No		Priority 2	Priority 1
56	Columbidae	*Treron vernans*	Pink-necked green pigeon	Least Concern	Not Assessed	No	Abundant	Resident breeder	Yes	Yes		Priority 3	Priority 1
57	Coraciidae	*Eurystomus orientalis*	Oriental dollarbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
58	Corvidae	*Corvus macrorhynchos*	Large-billed crow	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No		Priority 1	Priority 1
59	Corvidae	*Corvus splendens*	House crow	Least Concern	Not Assessed	No	Common	Introduced resident breeder	Yes	Yes		Priority 1	Priority 1
60	Cuculidae	*Cacomantis merulinus*	Plaintive cuckoo	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No		Priority 3	Priority 1
61	Cuculidae	*Cacomantis sepulcralis*	Rusty-breasted cuckoo	Least Concern	Vulnerable	Yes	Uncommon	Resident breeder	Yes	No		Priority 2	Priority 1
62	Cuculidae	*Cacomantis sonneratii*	Banded bay cuckoo	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No		Priority 3	Priority 1
63	Cuculidae	*Centropus bengalensis*	Lesser coucal	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 3	Priority 1
64	Cuculidae	*Centropus sinensis*	Greater coucal	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	Yes	Also recorded on camera trap	Priority 3	Priority 1
65	Cuculidae	*Chrysococcyx minutillus*	Little bronze-cuckoo	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 3	Priority 1
66	Cuculidae	*Chrysococcyx xanthorhynchus*	Violet cuckoo	Least Concern	Endangered	Yes	Uncommon	Resident breeder	Yes	No		Priority 2	Priority 1
67	Cuculidae	*Clamator coromandus*	Chestnut-winged cuckoo	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 3	Priority 1

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68	Cuculidae	*Cuculus micropterus*	Indian cuckoo	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 3	Priority 1
69	Cuculidae	*Eudynamys scolopaceus*	Asian koel	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
70	Cuculidae	*Hierococcyx nisicolor*	Hodgson's hawk cuckoo	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 3	Priority 1
71	Cuculidae	*Phaenicophaeus sumatranus*	Chestnut-bellied malkoha	Near Threatened	Not Assessed	No	Uncommon	Resident breeder	Yes	No		Priority 3	Priority 1
72	Cuculidae	*Surniculus lugubris*	Square-tailed drongo-cuckoo	Least Concern	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	No		Priority 2	Priority 1
73	Dicaeidae	*Dicaeum cruentatum*	Scarlet-backed flowerpecker	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
74	Dicaeidae	*Dicaeum trigonostigma*	Orange-bellied flowerpecker	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 3	Priority 1
75	Dicruridae	*Dicrurus annectans*	Crow-billed drongo	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 3	Priority 1
76	Dicruridae	*Dicrurus paradiseus*	Greater racket-tailed drongo	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
77	Estrildidae	*Lonchura maja*	White-headed munia	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	Yes		Priority 3	Priority 1
78	Estrildidae	*Lonchura punctulata*	Scaly-breasted munia	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 3	Priority 1
79	Hemiprocnidae	*Hemiprocne longipennis*	Grey-rumped treeswift	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 3	Priority 1
80	Hirundinidae	*Cecropis daurica*	Red-rumped swallow	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	Yes		Priority 1	Priority 1
81	Hirundinidae	*Hirundo rustica*	Barn swallow	Least Concern	Not Assessed	No	Abundant	Winter visitor	Yes	Yes		Priority 3	Priority 1
82	Hirundinidae	*Hirundo tahitica*	Pacific swallow	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
83	Irenidae	*Irena puella*	Asian fairy-bluebird	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No		Priority 3	Priority 1
84	Laniidae	*Lanius cristatus*	Brown shrike	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	Yes		Priority 3	Priority 1
85	Laniidae	*Lanius tigrinus*	Tiger shrike	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	Yes		Priority 3	Priority 1
86	Leiothrichidae	*Garrulax leucolophus*	White-crested laughingthrush	Least Concern	Not Assessed	No	Common	Introduced resident breeder	Yes	Yes	Also recorded on camera trap	Priority 1	Priority 1
87	Leiotrichidae	*Pterorhinus chinensis*	Black-throated laughingthrush	Least Concern	Not Assessed	No	NA	Introduced	Yes	No		Priority 1	Priority 1
88	Megalaimidae	*Psilopogon haemacephalus*	Coppersmith barbet	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
89	Megalaimidae	*Psilopogon lineatus*	Lineated barbet	Least Concern	Not Assessed	No	Uncommon	Introduced resident breeder	Yes	Yes		Priority 3	Priority 1
90	Meropidae	*Merops philippinus*	Blue-tailed bee-eater	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	No		Priority 3	Priority 1
91	Meropidae	*Merops viridis*	Blue-throated bee-eater	Least Concern	Not Assessed	No	Common	Migrant breeder	Yes	Yes		Priority 3	Priority 1
92	Monarchidae	*Terpsiphone affinis*	Blyth's paradise flycatcher	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	Yes		Priority 3	Priority 1
93	Monarchidae	*Terpsiphone atrocaudata*	Japanese paradise flycatcher	Near Threatened	Not Assessed	No	Rare	Passage migrant	Yes	No		Priority 3	Priority 1
94	Monarchidae	*Terpsiphone incei*	Amur paradise flycatcher	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	No		Priority 3	Priority 1
95	Motacillidae	*Anthus rufulus*	Paddyfield pipit	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 1	Priority 1
96	Motacillidae	*Dendronanthus indicus*	Forest wagtail	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 1	Priority 1
97	Motacillidae	*Motacilla cinerea*	Grey wagtail	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 1	Priority 1
98	Muscicapidae	*Copsychus malabaricus*	White-rumped shama	Least Concern	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	No		Priority 1	Priority 1
99	Muscicapidae	*Copsychus saularis*	Oriental magpie-robin	Least Concern	Endangered	Yes	Uncommon	Resident breeder	Yes	No		Priority 1	Priority 1
100	Muscicapidae	*Cyanoptila cumatilis*	Zappey's flycatcher	Least Concern	Not Assessed	No	Rare	Passage migrant	Yes	No		Priority 3	Priority 1
101	Muscicapidae	*Cyanoptila cyanomelana*	Blue-and-white flycatcher	Least Concern	Not Assessed	No	Rare	Passage migrant	Yes	No		Priority 3	Priority 1
102	Muscicapidae	*Cyornis brunneatus*	Brown-chested jungle flycatcher	Vulnerable	Not Assessed	Yes	Uncommon	Winter visitor	Yes	No		Priority 2	Priority 1
103	Muscicapidae	*Ficedula elisae*	Green-backed flycatcher	Least Concern	Not Assessed	No	Rare	Winter visitor	Yes	No		Priority 3	Priority 1
104	Muscicapidae	*Ficedula mugimaki*	Mugimaki flycatcher	Least Concern	Not Assessed	No	Uncommon	Passage migrant	Yes	No		Priority 3	Priority 1
105	Muscicapidae	*Ficedula zanthopygia*	Yellow-rumped flycatcher	Least Concern	Not Assessed	No	Uncommon	Passage migrant	Yes	Yes		Priority 3	Priority 1
106	Muscicapidae	*Larvivora cyane*	Siberian blue robin	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	Yes	Recorded on camera trap	Priority 1	Priority 1
107	Muscicapidae	*Muscicapa dauurica*	Asian brown flycatcher	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	Yes		Priority 3	Priority 1

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008)	Species of conservation significance	Distribution/Rarity (NSS, 2020; Singapore Birds Project, 2020)	Native status (NSS, 2020; Singapore Birds Project, 2020)	Probable species	Recorded species	Remarks	Vibration-sensitivity	Auditory-sensitivity
108	Muscicapidae	*Muscicapa ferruginea*	Ferruginous flycatcher	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 3	Priority 1
109	Muscicapidae	*Muscicapa sibirica*	Dark-sided flycatcher	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 3	Priority 1
110	Muscicapidae	*Muscicapa williamsoni*	Brown-streaked flycatcher	Least Concern	Not Assessed	No	Rare	Winter visitor	Yes	No		Priority 3	Priority 1
111	Nectariniidae	*Aethopyga siparaja*	Crimson sunbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
112	Nectariniidae	*Anthreptes malacensis*	Brown-throated sunbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
113	Nectariniidae	*Arachnothera longirostra*	Little spiderhunter	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No		Priority 3	Priority 1
114	Nectariniidae	*Cinnyris jugularis*	Olive-backed sunbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
115	Nectariniidae	*Leptocoma brasiliana*	Van Hasselt's sunbird	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 3	Priority 1
116	Oriolidae	*Oriolus chinensis*	Black-naped oriole	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
117	Pandionidae	*Pandion haliaetus*	Western osprey	Least Concern	Not Assessed	No	Common	Non-breeding visitor	Yes	No		Priority 3	Priority 1
118	Passeridae	*Passer montanus*	Eurasian tree sparrow	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 1	Priority 1
119	Pellorneidae	*Malacocincla abbotti*	Abbott's babbler	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No		Priority 1	Priority 1
120	Phasianidae	*Gallus gallus*	Red junglefowl	Least Concern	Endangered	Yes	Uncommon	Resident breeder	Yes	Yes	Also recorded on camera trap	Priority 1	Priority 1
121	Phasianidae	*Gallus gallus (domestic)*	Domestic chicken	Not Assessed	Not Assessed	No	NA	Introduced	Yes	No		Priority 1	Priority 1
122	Phylloscopidae	*Phylloscopus borealis*	Arctic warbler	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	Yes		Priority 3	Priority 1
123	Phylloscopidae	*Phylloscopus borealoides*	Sakhalin leaf warbler	Least Concern	Not Assessed	No	Rare	Accidental visitor	Yes	No		Priority 3	Priority 1
124	Phylloscopidae	*Phylloscopus coronatus*	Eastern crowned warbler	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 3	Priority 1
125	Phylloscopidae	*Phylloscopus inornatus*	Yellow-browed warbler	Least Concern	Not Assessed	No	Rare	Winter visitor	Yes	No		Priority 3	Priority 1
126	Picidae	*Chrysophlegma miniaceum*	Banded woodpecker	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
127	Picidae	*Dinopium javanense*	Common flameback	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
128	Picidae	*Micropternus brachyurus*	Rufous woodpecker	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No		Priority 3	Priority 1
129	Picidae	*Picus vittatus*	Laced woodpecker	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	Also recorded on camera trap	Priority 3	Priority 1
130	Picidae	*Yungipicus moluccensis*	Sunda pygmy woodpecker	Least Concern	Not Assessed	No	Abundant	Resident breeder	Yes	No		Priority 3	Priority 1
131	Pittidae	*Pitta moluccensis*	Blue-winged pitta	Least Concern	Not Assessed	No	Uncommon	Migrant breeder	Yes	Yes	Recorded on camera trap	Priority 1	Priority 1
132	Pittidae	*Pitta sordida*	Hooded pitta	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 1	Priority 1
133	Psittaculidae	*Loriculus galgulus*	Blue-crowned hanging-parrot	Least Concern; CITES protected (Appendix II)	Endangered	Yes	Uncommon	Resident breeder	Yes	Yes		Priority 2	Priority 1
134	Psittaculidae	*Psittacula alexandri*	Red-breasted parakeet	Near Threatened; CITES protected (Appendix II)	Not Assessed	No	Common	Introduced resident breeder	Yes	Yes		Priority 3	Priority 1
135	Psittaculidae	*Psittacula krameri*	Rose-ringed parakeet	Least Concern	Not Assessed	No	Uncommon	Introduced resident breeder	Yes	Yes		Priority 3	Priority 1
136	Psittaculidae	*Psittacula longicauda*	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Not Assessed	Yes	Common	Resident breeder	Yes	Yes		Priority 2	Priority 1
137	Psittaculidae	*Trichoglossus haematodus*	Coconut lorikeet	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Uncommon	Introduced resident breeder	Yes	Yes		Priority 3	Priority 1
138	Pycnonotidae	*Hemixos cinereus*	Cinereous bulbul	Least Concern	Not Assessed	No	Uncommon	Non-breeding visitor	Yes	No		Priority 3	Priority 1
139	Pycnonotidae	*Pycnonotus brunneus*	Asian red-eyed bulbul	Least Concern	Endangered	Yes	Uncommon	Resident breeder	Yes	No		Priority 2	Priority 1
140	Pycnonotidae	*Pycnonotus goiavier*	Yellow-vented bulbul	Least Concern	Not Assessed	No	Abundant	Resident breeder	Yes	Yes		Priority 3	Priority 1
141	Pycnonotidae	*Pycnonotus jocosus*	Red-whiskered bulbul	Least Concern	Not Assessed	No	Uncommon	Introduced resident breeder	Yes	Yes		Priority 3	Priority 1
142	Pycnonotidae	*Pycnonotus plumosus*	Olive-winged bulbul	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1

S/N	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Davison et al. 2008)	Species of conservation significance	Distribution/Rarity (NSS, 2020; Singapore Birds Project, 2020)	Native status (NSS, 2020; Singapore Birds Project, 2020)	Probable species	Recorded species	Remarks	Vibration-sensitivity	Auditory-sensitivity
143	Pycnonotidae	*Pycnonotus zeylanicus*	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix II)	Endangered	Yes	Uncommon	Resident breeder	Yes	Yes		Priority 2	Priority 1
144	Rallidae	*Amaurornis phoenicurus*	White-breasted waterhen	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes	Also recorded on camera trap	Priority 1	Priority 1
145	Rallidae	*Lewinia striata*	Slaty-breasted rail	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	Yes		Priority 1	Priority 1
146	Rallidae	*Rallina fasciata*	Red-legged crake	Least Concern	Vulnerable	Yes	Uncommon	Resident breeder	Yes	Yes	Also recorded on camera trap	Priority 1	Priority 1
147	Rallidae	*Zapornia fusca*	Ruddy-breasted crake	Least Concern	Not Assessed	No	Uncommon	Resident breeder	Yes	No		Priority 1	Priority 1
148	Rhipiduridae	*Rhipidura javanica*	Malaysian pied fantail	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 1	Priority 1
149	Strigidae	*Bubo sumatranus*	Barred eagle-owl	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Rare	Resident breeder	Yes	No		Priority 3	Priority 1
150	Strigidae	*Ketupa ketupu*	Buffy fish owl	Least Concern; CITES protected (Appendix II)	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	No		Priority 2	Priority 1
151	Strigidae	*Ninox scutulata*	Brown hawk-owl	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 3	Priority 1
152	Strigidae	*Otus lempiji*	Sunda scops owl	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
153	Strigidae	*Strix seloputo*	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Critically Endangered	Yes	Uncommon	Resident breeder	Yes	No		Priority 2	Priority 1
154	Sturnidae	*Acridotheres javanicus*	Javan myna	Least Concern	Not Assessed	No	Abundant	Introduced resident breeder	Yes	Yes		Priority 1	Priority 1
155	Sturnidae	*Acridotheres tristis*	Common myna	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	No		Priority 1	Priority 1
156	Sturnidae	*Agropsar sturninus*	Daurian starling	Least Concern	Not Assessed	No	Common	Winter visitor	Yes	No		Priority 3	Priority 1
157	Sturnidae	*Aplonis panayensis*	Asian glossy starling	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1
158	Sturnidae	*Gracula religiosa*	Common hill myna	Least Concern; CITES protected (Appendix I)	Not Assessed	No	Uncommon	Resident breeder	Yes	No		Priority 3	Priority 1
159	Timaliidae	*Mixornis gularis*	Pin-striped tit-babbler	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 1	Priority 1
160	Turdidae	*Geokichla citrina*	Orange-headed thrush	Least Concern	Not Assessed	No	Uncommon	Winter visitor	Yes	No		Priority 1	Priority 1
161	Turdidae	*Geokichla sibirica*	Siberian thrush	Least Concern	Not Assessed	No	Rare	Passage migrant	Yes	No		Priority 1	Priority 1
162	Turdidae	*Turdus obscurus*	Eyebrowed thrush	Least Concern	Not Assessed	No	Uncommon	Passage migrant	Yes	No		Priority 1	Priority 1
163	Tytonidae	*Tyto javanica*	Eastern barn owl	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Uncommon	Resident breeder	Yes	No		Priority 3	Priority 1
164	Zosteropidae	*Zosterops simplex*	Swinhoe's white-eye	Least Concern	Not Assessed	No	Common	Resident breeder	Yes	Yes		Priority 3	Priority 1

S/N	Family Name	Scientific Name	Common Name	Global Status (IUCN, 2012)	National status (Davison et al. 2008)	Species of Conservation Significance	Distribution/Rarity (Baker & Lim, 2012)	Native Status (Baker & Lim, 2012)	Probable Species	Recorded Species	Remarks	Vibration-sensitivity	Auditory-sensitivity
1	Canidae	*Canis lupus familiaris*	Feral dog	Not Assessed	Not Assessed	No	NA	Non-native	Yes	No		Priority 1	Priority 1
2	Cercopithecidae	*Macaca fascicularis*	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Yes	Widespread and Common	Native	Yes	No		Priority 1	Priority 1
3	Felidae	*Felis catus*	Feral cat	Not Assessed	Not Assessed	No	NA	Non-native	Yes	No		Priority 1	Priority 1
4	Manidae	*Manis javanica*	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Yes	Widespread but Rare	Native	Yes	Yes	Recorded on camera trap	Priority 1	Priority 1
5	Muridae	*Mus musculus*	House mouse	Least Concern	Not Assessed	No	Widespread and Common	Native	Yes	No		Priority 1	Priority 1
6	Muridae	*Rattus exulans*	Pacific rat	Least Concern	Least Concern	No	Widespread but Uncommon	Native	Yes	No		Priority 1	Priority 1
7	Muridae	*Rattus norvegicus*	Brown rat	Least Concern	Not Assessed	No	Widespread and Common	Non-native	Yes	No		Priority 1	Priority 1
8	Muridae	*Rattus tanezumi*	Asian house rat	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No		Priority 1	Priority 1
9	Muridae	*Rattus tiomanicus*	Malaysian wood rat	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No		Priority 1	Priority 1
	Muridae	*Rattus* sp.	NA	NA	NA	NA	NA	NA	NA	Yes	Also recorded on camera trap	Priority 1	Priority 1
10	Muridae	*Sundamys annandalei*	Annandale's rat	Least Concern	Not Assessed	No	Restricted but Common	Native	Yes	No		Priority 1	Priority 1
11	Mustelidae	*Lutrogale perspicillata*	Smooth otter	Vulnerable; CITES protected (Appendix I)	Endangered	Yes	Widespread but Rare	Native	Yes	No	Anecdotal record of Otter sp. at nearby pond (Ho et al., 2019) - likely a transient record	Priority 1	Priority 1
12	Sciuridae	*Callosciurus notatus*	Plantain squirrel	Least Concern	Not Assessed	No	Widespread and Common	Native	Yes	Yes	Also recorded on camera trap	Priority 1	Priority 1
13	Soricidae	*Suncus murinus*	House shrew	Least Concern	Not Assessed	No	Widespread and Common	Native	Yes	No		Priority 1	Priority 1
14	Suidae	*Sus scrofa*	Eurasian wild boar	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	No		Priority 1	Priority 1
15	Tupaiidae	*Tupaia glis*	Common treeshrew	Least Concern	Not Assessed	No	Widespread and Common	Native	Yes	Yes	Recorded on camera trap	Priority 1	Priority 1
16	Viverridae	*Paradoxurus musangus*	Sumatran palm civet	Least Concern	Least Concern	No	Widespread but Uncommon	Native	Yes	Yes	Recorded on camera trap	Priority 1	Priority 1

S/N	Family Name	Scientific Name	Common Name	Global Status (IUCN, 2012)	National status (Davison et al. 2008)	Species of Conservation Significance	Distribution/Rarity (Baker & Lim, 2012)	Native Status (Baker & Lim, 2012)	Probable Species	Recorded Species	Remarks	Vibration-sensitivity	Auditory-sensitivity
1	Emballonuridae	*Saccolaimus saccolaimus*	Pouch tomb bat	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes	Recorded via acoustic sampling	Priority 1	Priority 1
2	Emballonuridae	*Taphozous melanopogon*	Black-bearded tomb bat	Least Concern	Least Concern	No	Widespread but Rare	Native	Yes	Yes	Recorded via acoustic sampling	Priority 1	Priority 1
3	Pteropodidae	*Cynopterus brachyotis*	Lesser short-nosed fruit bat	Least Concern	Not Assessed	No	Widespread and Common	Native	Yes	Yes		Priority 1	Priority 1
4	Pteropodidae	*Eonycteris spelaea*	Cave nectar bat	Least Concern	Vulnerable	Yes	Widespread but Uncommon	Native	Yes	No		Priority 1	Priority 1
5	Rhinolophidae	*Rhinolophus refulgens*	Glossy horseshoe bat	Least Concern	Not Assessed	No	Restricted but Common	Native	Yes	Yes	Recorded via acoustic sampling	Priority 1	Priority 1
6	Vespertilionidae	*Myotis horsfieldii*	Horsfield's myotis	Least Concern	Least Concern	No	NA	Native	Yes	Yes	Recorded via acoustic sampling	Priority 1	Priority 1
7	Vespertilionidae	*Myotis muricola*	Asian whiskered myotis	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes	Recorded via acoustic sampling	Priority 1	Priority 1
8	Vespertilionidae	*Pipistrellus javanicus*	Javan pipistrelle	Least Concern	Not Assessed	No	Widespread but Uncommon	Native	Yes	No		Priority 1	Priority 1
9	Vespertilionidae	*Scotophilus kuhlii*	Lesser Asian house bat	Least Concern	Least Concern	No	Widespread and Common	Native	Yes	Yes	Recorded via acoustic sampling	Priority 1	Priority 1
10	Vespertilionidae	*Tylonycteris fulvida*	Lesser bamboo bat	Least Concern	Vulnerable	Yes	Restricted and Rare	Native	Yes	No		Priority 1	Priority 1
11	Vespertilionidae	*Tylonycteris malayana*	Greater bamboo bat	Least Concern	Vulnerable	Yes	Widespread and Common	Native	Yes	No		Priority 1	Priority 1

Appendix P

Baseline Ground-borne Vibration Monitoring Report

1. Baseline Vibration Monitoring Report

1.1 Measurement Equipment

Baseline vibration monitoring was conducted using the equipment detailed in table below.

Table 1-1 Vibration Monitoring Equipment

S/N	Equipment	Brand	Model	Serial Number	Calibration Date
1	Sound & Vibration Analyser	SVANTEK	SVAN958A	97712	27 April 2021
2	Accelerometer	SVANTEK	SV85	97712	27 April 2021
3	Sound & Vibration Analyser	SVANTEK	SVAN958A	97713	27 April 2021
4	Accelerometer	SVANTEK	SV85	97713	27 April 2021

1.2 Methodology

Baseline vibration monitoring includes primary data collection in the form of baseline ground-borne vibration monitoring in the study area. Of the criteria, the Peak Particle Velocity (PPV) level is monitored. The purpose of the baseline monitoring is to understand what the existing vibration levels at the sensitive receptors are to establish the impact assessment criteria and in the event that a repeat monitoring event is to be conducted during the construction and/or operational phase of the Project, this monitoring data can be used as a reference of the existing baseline prior to any disturbance in the study area.

1.3 Baseline Vibration Monitoring Results

Baseline ground-borne vibration monitoring have been conducted on four (4) locations which are in proximity to the sensitive receptors and are representative of the baseline vibration levels of the sensitive receptors. The sources of vibration will be weather elements and the movement of the ecology in the vicinity. The vibration data monitored at the beginning and ending of the monitoring period has been omitted to exclude vibration caused while setting up and removal of the monitoring equipment.

Baseline vibration monitoring locations VM1 to VM4 are in a forested area within Turf City and Holland Plain respectively. Transient passers-by were the sources of vibration within the vicinity. The average, maximum and 99th percentile baseline ground-borne vibration levels are summarised in Table 1-2.

Table 1-2 Summary of Baseline Ground-borne Vibration Levels

Baseline Vibration Monitoring Location	Date	Average PPV, mm/s	Maximum PPV, mm/s	99th Percentile Baseline Vibration Levels, PPV, mm/s
VM1: Turf City Site I	1st July 2022 – 8th July 2022	0.02	0.32	0.16
VM2: Turf City Site III	1st July 2022 – 8th July 2022	0.02	0.19	0.09
VM3: Holland Plain South of Site V	23rd June 2022 – 30th June 2022	0.03	0.40	0.27
VM4: Holland Plain North of Site V	23rd June 2022 – 30th June 2022	0.03	0.43	0.27

Table 1-3 Baseline Vibration Monitoring at Turf City Site I

Date / Time: 1st July 2022 – 8th July 2022	
Baseline Vibration Monitoring Location	Setup of Vibration Monitoring
VM1: Turf City Site I	





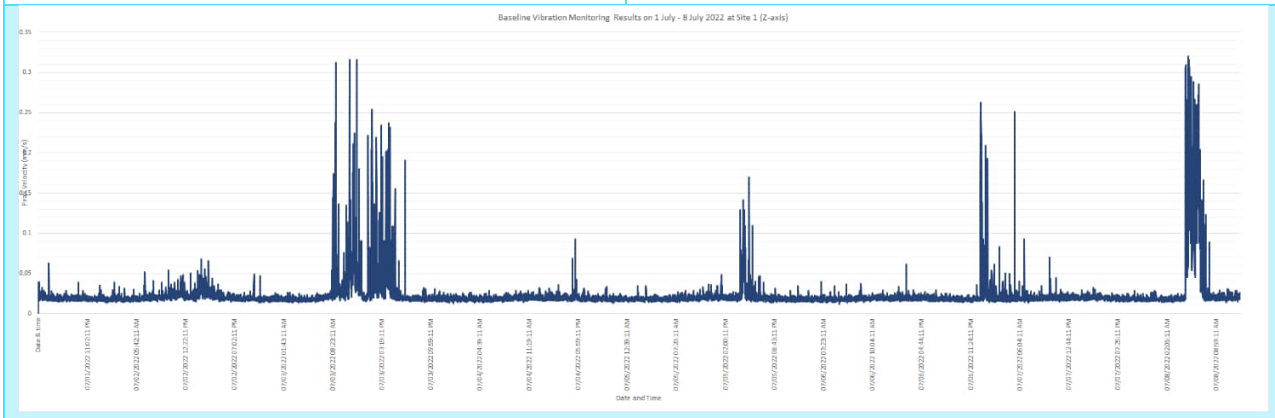
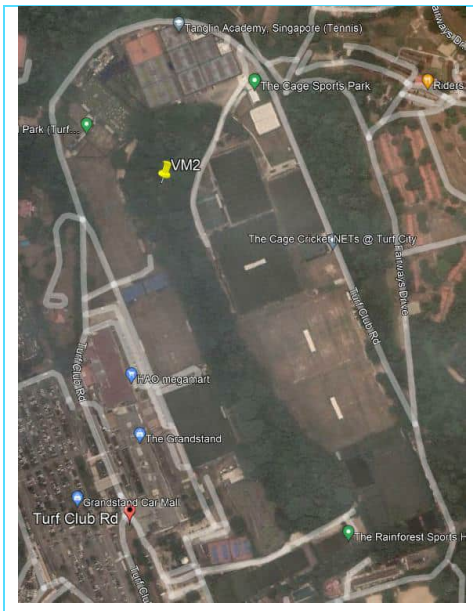


Table 1-4 Baseline Vibration Monitoring at Turf City Site III

Date / Time: 1st July 2022 – 8th July 2022	
Baseline Vibration Monitoring Location	Setup of Vibration Monitoring
VM2: Turf City Site III	





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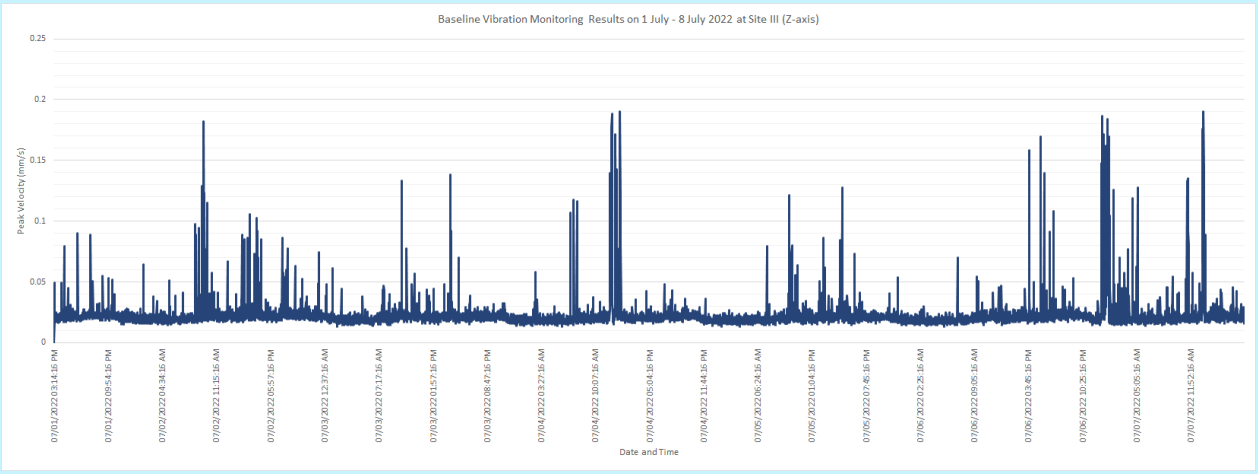
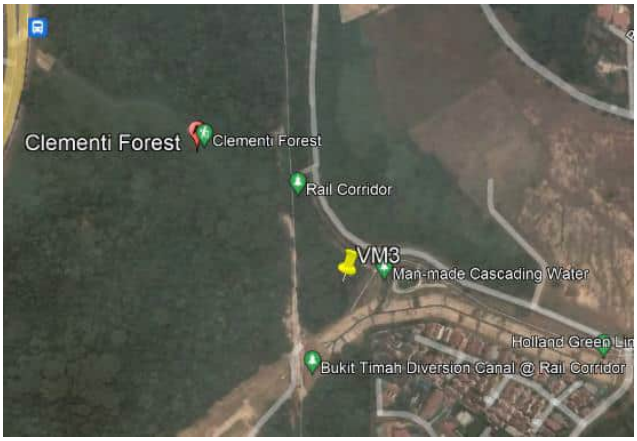


Table 1-5 Baseline Vibration Monitoring at Holland Plain South of Site V

Date / Time: 23rd June 2022 – 30th June 2022	
Baseline Vibration Monitoring Location	Setup of Vibration Monitoring
VM3: Holland Plain South of Site V	





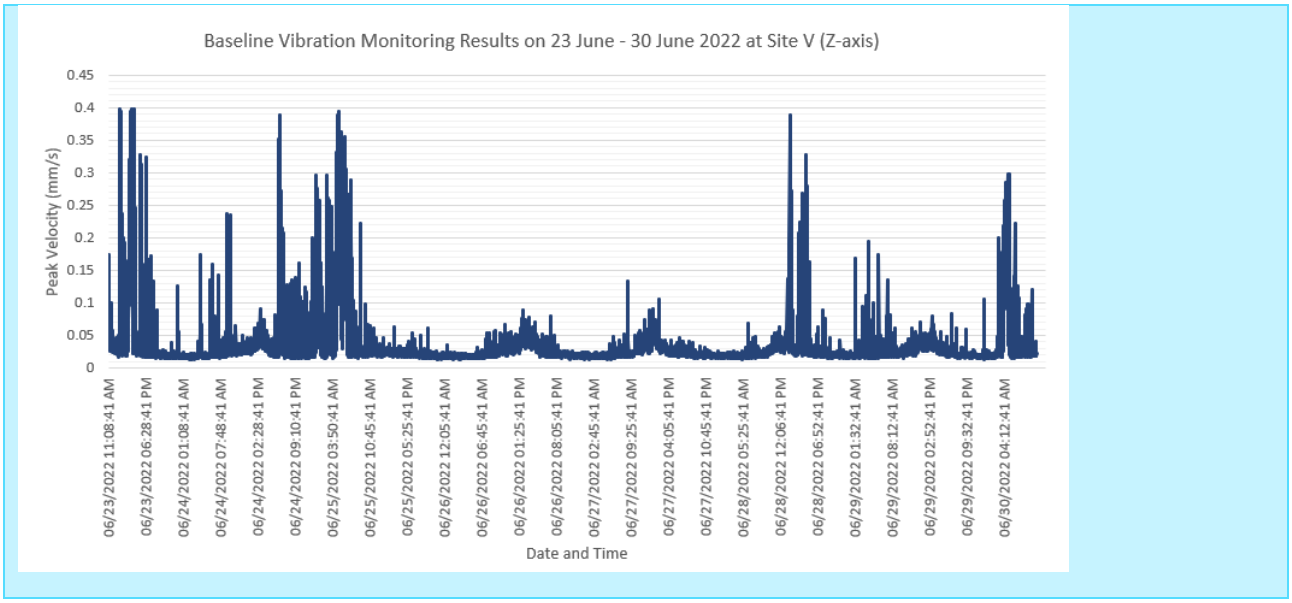
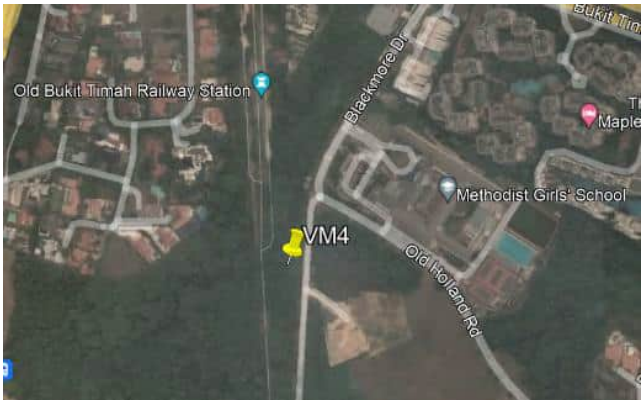
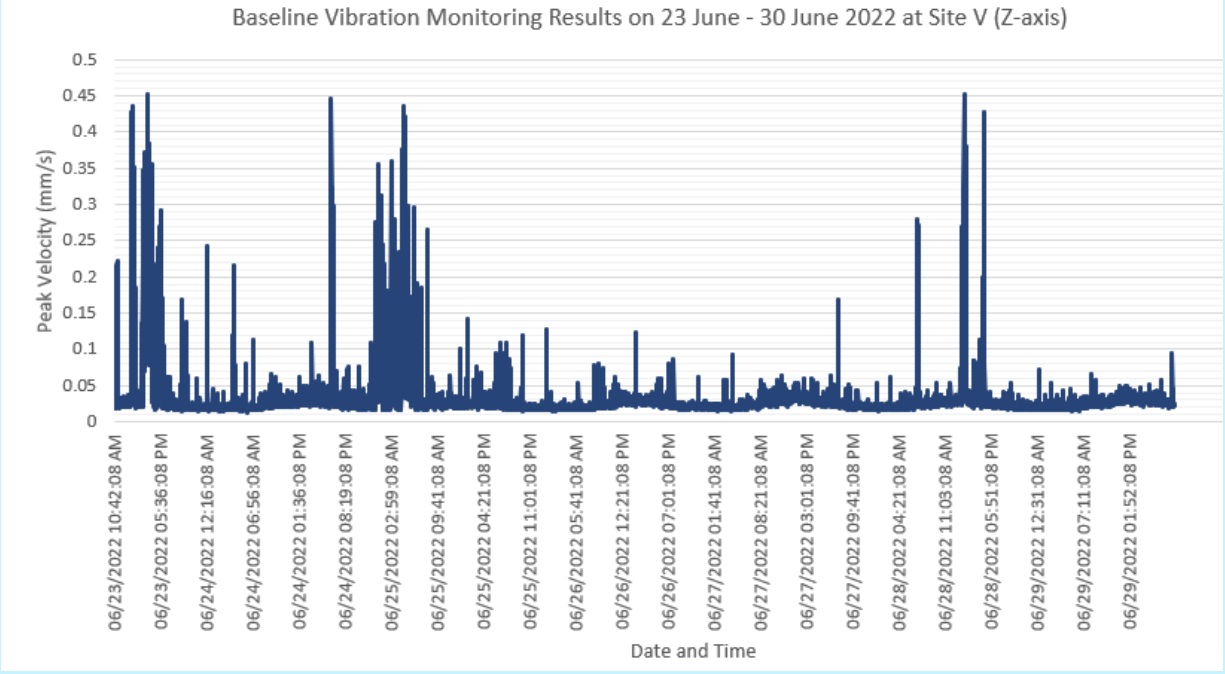


Table 1-6 Baseline Vibration Monitoring at Holland Plain North of Site V

Date / Time: 23rd June 2022 – 30th June 2022	
Baseline Vibration Monitoring Location	Setup of Vibration Monitoring
VM4: Holland Plain North of Site V 	


Baseline Vibration Monitoring Results on 23 June - 30 June 2022 at Site V (Z-axis)
Peak Velocity (mm/s)
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
06/23/2022 10:42:08 AM
06/23/2022 05:36:08 PM
06/24/2022 12:16:08 AM
06/24/2022 06:56:08 AM
06/24/2022 01:36:08 PM
06/24/2022 08:19:08 PM
06/25/2022 02:59:08 AM
06/25/2022 09:41:08 AM
06/25/2022 04:21:08 PM
06/25/2022 11:01:08 PM
06/26/2022 05:41:08 AM
06/26/2022 12:21:08 PM
06/26/2022 07:01:08 PM
06/27/2022 01:41:08 AM
06/27/2022 08:21:08 AM
06/27/2022 03:01:08 PM
06/27/2022 09:41:08 PM
06/28/2022 04:21:08 AM
06/28/2022 11:03:08 AM
06/28/2022 05:51:08 PM
06/29/2022 12:31:08 AM
06/29/2022 07:11:08 AM
06/29/2022 01:52:08 PM
Date and Time

Appendix Q

Monitoring Equipment Calibration Certificates

Calibration Certificates of Noise and Vibration Monitoring Equipment

Certificate of Calibration

Certificate No.: 475054772

Object:	Precision Sound Level Meter Nor131
Supplier:	Norsonic AS
Type:	Nor131
Serial number:	1313979
Client:	TME Systems Pte. Ltd

This instrument is tested and calibrated in accordance to the Norsonic production standard set for Nor131, ensuring that the instrument conforms to the following standards;

IEC 61672-1:2002 class 1
IEC 61260-1 class 1 Ed 1.0 2014-02
ANSI S1.4-1983 (R2001) with amd. S1.4A-1985 class 1
ANSI S1.43-1997 (R2002) class 1
ANSI S1.11-2004 class 1
DIN 45 657, Applicable parts
IEC 61094 part 4

Instrumentation used for calibration traceable to:

Electrical Parameters: MT, Norway
Acoustical Parameters: PTB, Germany
Environmental Parameters: Justervesenet. Norway

FW version:	4.0.1312 2019-03-20 13:16r
Id no.:	5054772
Accessories:	Preamplifier type: 1207 S.no: 21124 Microphone type: 1228 S.no: 02786
Comments:	None

Date of calibration:	**Calibration interval recommended:**
2019-06-06	2 years

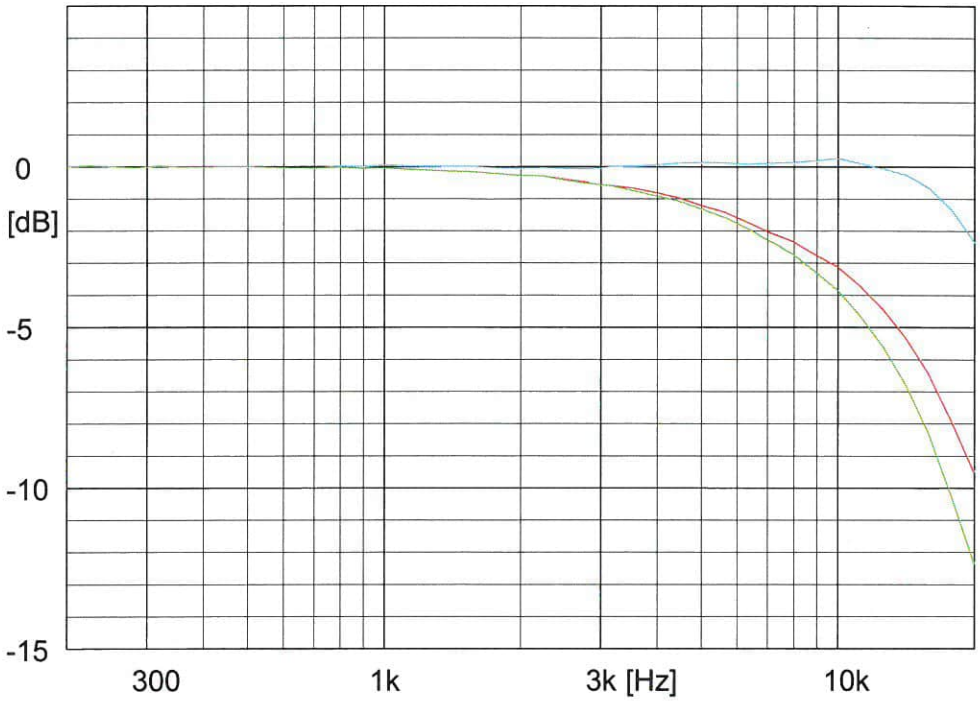
The environmental parameters applicable to this calibration are kept well within limits ensuring negligible deviation on obtained measurement results.

Calibrated by:
Anders Amundsen

Sign. _____

Norsonic AS, P.B 24, 3421 Lierskogen. Visitor address: Gunnersbråtan 2, Tranby, Norway.
Phone +47 32858900 Fax.: +47 32852208. email: info@norsonic.com

Microphone Calibration Certificate



Norsonic
Type: 1228

Serial no: 02786

Sensitivity: 48,1 mV/Pa
-26,4 dB re. 1 V/Pa
Capacitance: 12,7 pF
Date: 2019-03-22

Signature: E. March

Measurement conditions:

Polarisation voltage:	0,0 V
Pressure:	99,41 kPa
Temperature:	24,1 °C
Relative humidity:	40,4 %RH

Results are normalized to the reference conditions.

Free field response
Diffuse field response
Pressure (Actuator) response

Norsonic AS
www.norsonic.com

Microphone Specifications

Calibration of your microphone cartridge has been made with utmost care to meet all your needs for a high quality measurement device. The calibration is traceable to PTB in Germany.

Nominal Specifications

Ambient temperature coeffecient: 0.01 dB/°C
Ambient pressure coeffecient: -1×10^{-5} dB/Pa
Temperature range: -30 to +70°C
Diameter: 13.2 mm with protection grid on,
12.7 mm without protection grid
Thread for preamp mounting: 11.7 mm 60 UNS

Reference Values

Temperature: 23°C
Relative humidity: 50%
Ambient pressure: 101.325 kPa
Test frequency for sensitivity: 250 Hz

Norsonic Warranty Statement

The warranty period for microphones is 36 months after the time of delivery.
The warranty does not include damage due to improper handling, overload, force majeur, or normal wear and tear. The warranty is not granted if the buyer make modifications or repairs without our written consent. Norsonic can choose either to repair or replace microphones having defects due to material or workmanship. Defective goods should be returned to our factory or one of our distributors, and shipments are to be paid and insured by the buyer unless otherwise agreed.

Certificate of Calibration

Certificate No.: 475066674

Object:	Precision Sound Level Meter Nor131
Supplier:	Norsonic AS
Type:	Nor131
Serial number:	1313980
Client:	TME Systems Pte. Ltd

This instrument is tested and calibrated in accordance to the Norsonic production standard set for Nor131, ensuring that the instrument conforms to the following standards;

IEC 61672-1:2002 class 1
IEC 61260-1 class 1 Ed 1.0 2014-02
ANSI S1.4-1983 (R2001) with amd. S1.4A-1985 class 1
ANSI S1.43-1997 (R2002) class 1
ANSI S1.11-2004 class 1
DIN 45 657, Applicable parts
IEC 61094 part 4

Instrumentation used for calibration traceable to:

Electrical Parameters: MT, Norway
Acoustical Parameters: PTB, Germany
Environmental Parameters: Justervesenet. Norway

FW version:	4.0.1312 2019-03-20 13:16r
Id no.:	5066674
Accessories:	Preamplifier type: 1207 S.no: 21125 Microphone type: 1228 S.no: 03256
Comments:	None

Date of calibration:	**Calibration interval recommended:**
2019-06-06	2 years

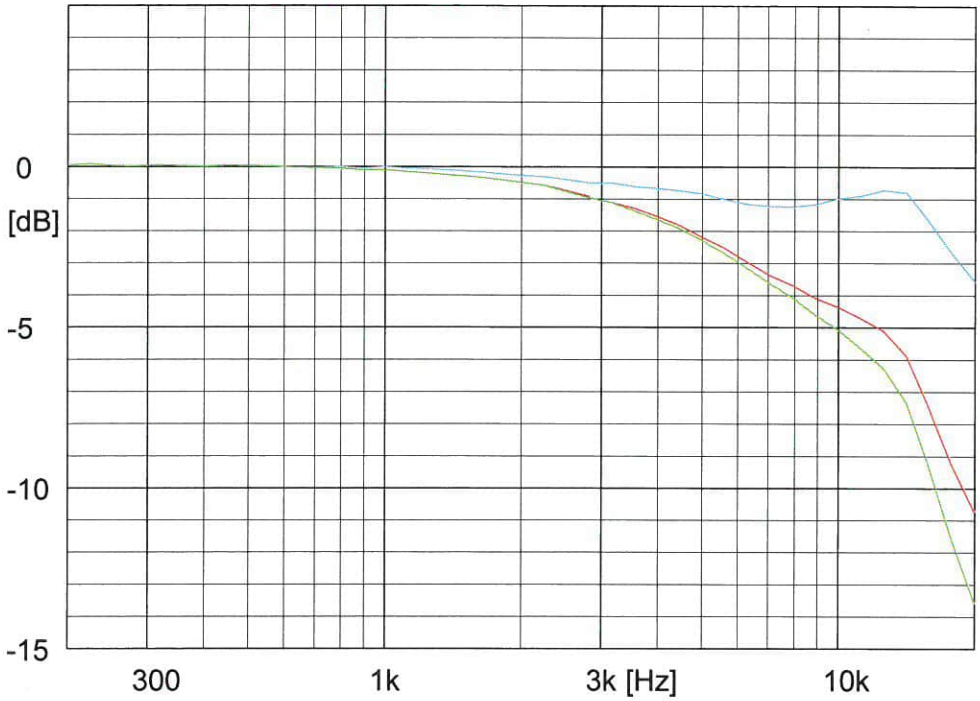
The environmental parameters applicable to this calibration are kept well within limits ensuring negligible deviation on obtained measurement results.

Calibrated by:
Anders Amundsen

Sign. 

Norsonic AS, P.B 24, 3421 Lierskogen. Visitor address: Gunnersbråtan 2, Tranby, Norway.
Phone +47 32858900 Fax.: +47 32852208. email: info@norsonic.com

Microphone Calibration Certificate



Norsonic
Type: 1228

Serial no: 03256

Sensitivity: 51,8 mV/Pa
-25,7 dB re. 1 V/Pa
Capacitance: 15,9 pF
Date: 2019-03-22

Signature: E March

Measurement conditions:

Polarisation voltage:	0,0 V
Pressure:	99,37 kPa
Temperature:	24,2 °C
Relative humidity:	41,3 %RH

Results are normalized to the reference conditions.

Free field response
Diffuse field response
Pressure (Actuator) response

Norsonic AS
www.norsonic.com

Microphone Specifications

Calibration of your microphone cartridge has been made with utmost care to meet all your needs for a high quality measurement device. The calibration is traceable to PTB in Germany.

Nominal Specifications

Ambient temperature coeffecient: 0.01 dB/°C
Ambient pressure coeffecient: -1×10^{-5} dB/Pa
Temperature range: -30 to +70°C
Diameter: 13.2 mm with protection grid on,
12.7 mm without protection grid
Thread for preamp mounting: 11.7 mm 60 UNS

Reference Values

Temperature: 23°C
Relative humidity: 50%
Ambient pressure: 101.325 kPa
Test frequency for sensitivity: 250 Hz

Norsonic Warranty Statement

The warranty period for microphones is 36 months after the time of delivery.
The warranty does not include damage due to improper handling, overload, force majeur, or normal wear and tear. The warranty is not granted if the buyer make modifications or repairs without our written consent. Norsonic can choose either to repair or replace microphones having defects due to material or workmanship. Defective goods should be returned to our factory or one of our distributors, and shipments are to be paid and insured by the buyer unless otherwise agreed.

Certificate of Calibration

Certificate No.: 475066194

Object:	Precision Sound Level Meter Nor131
Supplier:	Norsonic AS
Type:	Nor131
Serial number:	1313989
Client:	AECOM SINGAPORE PTE LTD

This instrument is tested and calibrated in accordance to the Norsonic production standard set for Nor131, ensuring that the instrument conforms to the following standards;

IEC 61672-1:2002 class 1
IEC 61260-1 class 1 Ed 1.0 2014-02
ANSI S1.4-1983 (R2001) with amd. S1.4A-1985 class 1
ANSI S1.43-1997 (R2002) class 1
ANSI S1.11-2004 class 1
DIN 45 657, Applicable parts
IEC 61094 part 4

Instrumentation used for calibration traceable to:

Electrical Parameters: MT, Norway
Acoustical Parameters: PTB, Germany
Environmental Parameters: Justervesenet. Norway

FW version:	4.0.1312 2019-03-20 13:16r
Id no.:	5066194
Accessories:	Preamplifier type: 1207 S.no: 21146 Microphone type: 1228 S.no: 03138
Comments:	None

Date of calibration:	**Calibration interval recommended:**
2019-08-01	2 years

The environmental parameters applicable to this calibration are kept well within limits ensuring negligible deviation on obtained measurement results.

Calibrated by:
Anders Amundsen

Sign.

Norsonic
PO.BOX 24, N 3420 LIERSKOGEN, NORWAY
TEL: +47 32 85 89 00

Norsonic AS, P.B 24, 3421 Lierskogen. Visitor address: Gunnersbråtan 2, Tranby, Norway.
Phone +47 32858900 Fax.: +47 32852208. email: info@norsonic.com

Norsonic **Calibration Chart** QC 05

Model: Nor 1228 Serial No: 03138

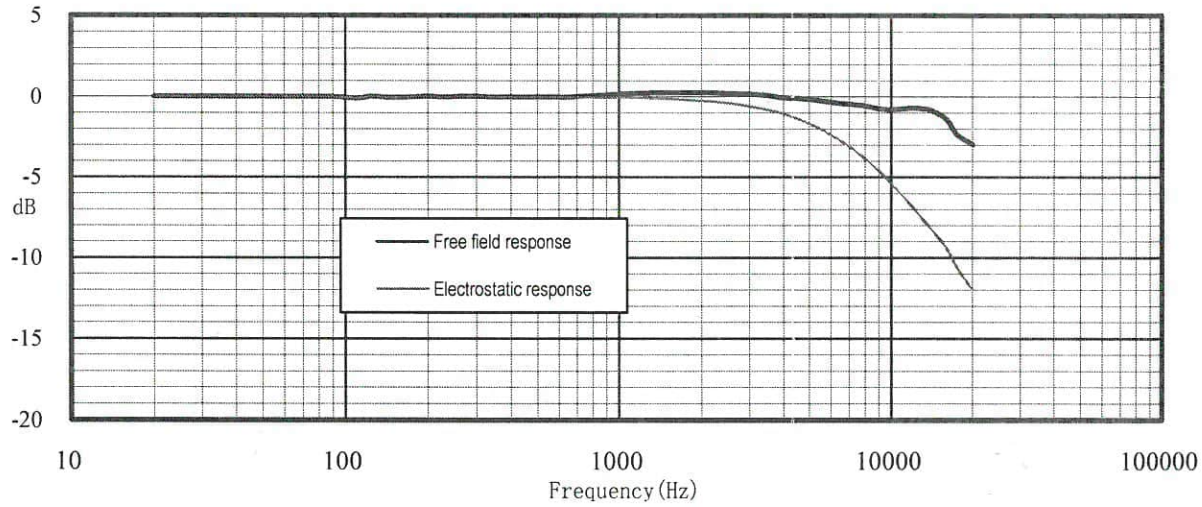
Open Circuit Sensitivity Level:

-26.0dB ref 1 V/Pa or 50.2mV/Pa @ 250Hz

Signature: _____ Date: 03/06/2019

Test Conditions:

Polarization Voltage : 0 V
Relative Humidity: 47%
Temperature: 22 ℃



Certificate of Calibration

Certificate No.: 475066660

Object:	Precision Sound Level Meter Nor131
Supplier:	Norsonic AS
Type:	Nor131
Serial number:	1313950
Client:	AECOM SINGAPORE

This instrument is tested and calibrated in accordance to the Norsonic production standard set for Nor131, ensuring that the instrument conforms to the following standards;

IEC 61672-1:2002 class 1
IEC 61260-1 class 1 Ed 1.0 2014-02
ANSI S1.4-1983 (R2001) with amd. S1.4A-1985 class 1
ANSI S1.43-1997 (R2002) class 1
ANSI S1.11-2004 class 1
DIN 45 657, Applicable parts
IEC 61094 part 4

Instrumentation used for calibration traceable to:

Electrical Parameters: MT, Norway
Acoustical Parameters: PTB, Germany
Environmental Parameters: Justervesenet. Norway

FW version:	4.0.1282 2018-11-02 12:39r
Id no.:	5066660
Accessories:	Preamplifier type: 1207 S.no: 21094 Microphone type: 1228 S.no: 03148
Comments:	None

Date of calibration:	**Calibration interval recommended:**
2019-02-14	2 years

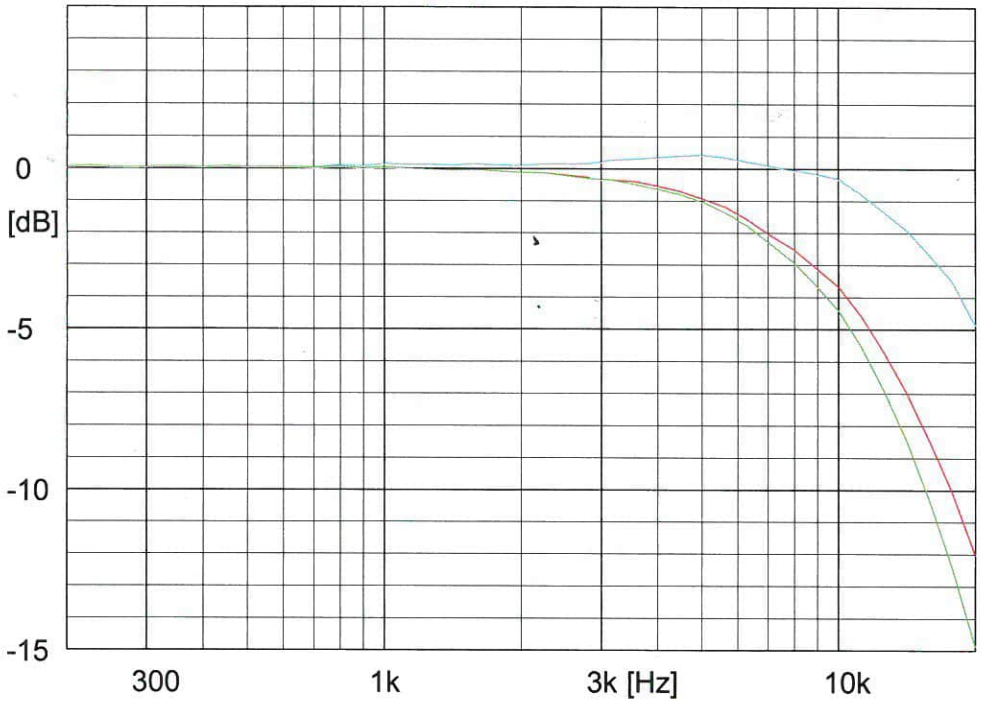
The environmental parameters applicable to this calibration are kept well within limits ensuring negligible deviation on obtained measurement results.

Calibrated by:
Anders Amundsen

Sign.

Norsonic AS, P.B 24, 3421 Lierskogen. Visitor address: Gunnersbråtan 2, Tranby, Norway.
Phone +47 32858900 Fax.: +47 32852208. email: info@norsonic.com

Microphone Calibration Certificate



Norsonic
Type: 1228

Serial no: 03148

Sensitivity: 49,1 mV/Pa
-26,2 dB re. 1 V/Pa
Capacitance: 10,4 pF
Date: 2019-02-13

Signature: E. Hoch

Measurement conditions:

Polarisation voltage:	0,0 V
Pressure:	98,80 kPa
Temperature:	24,4 °C
Relative humidity:	43,0 %RH

Results are normalized to the reference conditions.

Free field response
Diffuse field response
Pressure (Actuator) response

Norsonic AS
www.norsonic.com

Microphone Specifications

Calibration of your microphone cartridge has been made with utmost care to meet all your needs for a high quality measurement device. The calibration is traceable to PTB in Germany.

Nominal Specifications

Ambient temperature coeffecient: 0.01 dB/°C
Ambient pressure coeffecient: -1×10^{-5} dB/Pa
Temperature range: -30 to +70°C
Diameter: 13.2 mm with protection grid on,
12.7 mm without protection grid
Thread for preamp mounting: 11.7 mm 60 UNS

Reference Values

Temperature: 23°C
Relative humidity: 50%
Ambient pressure: 101.325 kPa
Test frequency for sensitivity: 250 Hz

Norsonic Warranty Statement

The warranty period for microphones is 36 months after the time of delivery.
The warranty does not include damage due to improper handling, overload, force majeur, or normal wear and tear. The warranty is not granted if the buyer make modifications or repairs without our written consent. Norsonic can choose either to repair or replace microphones having defects due to material or workmanship. Defective goods should be returned to our factory or one of our distributors, and shipments are to be paid and insured by the buyer unless otherwise agreed.

National Metrology Centre
A*STAR

National Metrology Centre
1 Science Park Drive Singapore 118221
Tel: (65) 6279 1900 Fax: (65) 6279 1992
Website: www.a-star.edu.sg/nmc

CALIBRATION REPORT

Report No. : **AL001457**

Customer : AECOM Singapore Pte Ltd
300 Beach Road
Unit 23-00 The Concourse
Singapore 199555

Subject Details

Subject	:	Accelerometer
Manufacturer	:	Svantek
Model	:	SV80
Serial No.	:	E3676
Sales Order No.	:	2028027064/2
Calibration Date	:	2020-02-24

Ambient Conditions

Temperature	:	(23 ± 3) °C
Relative Humidity	:	(55 ± 5) % relative humidity

Chan Chee Keong
Calibration Officer

Cui Shan
Approving Officer
Mechanical Metrology
Date of Issue: 2020-03-02

For further enquiries, please contact the Approving Officer, Cui Shan at Tel: +65 6279 1912, Fax: +65 6279 1994 or Email: cui_shan@nmc.a-star.edu.sg

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Method of Calibration

The accelerometer has been calibrated at the National Metrology Centre under the ambient conditions stated on page 1.

The calibration was performed as set out in procedure MM/ACC/01 as appropriate, which is based on ISO 16063-21:2003, Methods for the calibration of vibration and shock transducers – Part 21: Vibration calibration by comparison to a reference transducer.

The accelerometer was exposed to sinusoidal acceleration which was applied by means of an electrodynamic vibration exciter. The accelerometer was mounted at a torque of about 2 Nm using a stainless steel screw. Exciting axis was vertical, relative to the earth gravity.

The sensitivity of the accelerometer was calculated as the ratio of the amplitude of the output voltage of the accelerometer to the amplitude of the acceleration acting on the accelerometer under test.

The calibration was performed using the following instruments and standards traceable to national reference standards maintained at the National Metrology Centre:

1)	Spektra SRS 35 Vibration Control System	(serial no.: 201307)
2)	PCB M353B17 ICP Accelerometer	(serial no.: LW166504)
3)	Spektra SE-09 Vibration Exciter	(serial no.: 760)
4)	Spektra PA14-500 Power Amplifier	(serial no.: B14-500E02A13K0156)
5)	Spektra CS18 Software	(serial no.: Ver. 2.15.15.2)
6)	Rotronic NT3-D-CL Thermohygrometer	(serial no.: 60140834)

Results of Calibration

The user should determine the suitability of the instrument for its intended use. The recalibration interval should be determined based on the user's requirements.

Calibration Officer

Results of Calibration

Frequency Hz	Acceleration g Peak	Sensitivity mV/g	Expanded uncertainty of measurement %
20	1.214	103.0	0.8
40	4.844	102.5	0.8
80	5.129	102.0	0.8
160	5.114	101.5	0.8
315	5.106	100.9	0.8
630	5.104	100.3	0.8
1250	10.19	99.58	1.1
2500	10.19	99.16	1.1
5000	10.14	100.5	1.1
10000	10.20	105.0	2.0
14000	10.22	116.6	4.0

The expanded uncertainties of measurement stated in this report are estimated at a confidence level of approximately 95% with a coverage factor k=2.

Calibration Officer

National Metrology Centre
A*STAR

National Metrology Centre
1 Science Park Drive Singapore 118221
Tel: (65) 6279 1900 Fax: (65) 6279 1992
Website: www.a-star.edu.sg/nmc

CALIBRATION REPORT

Report No. : **AL001458**

Customer : AECOM Singapore Pte Ltd
300 Beach Road
Unit 23-00 The Concourse
Singapore 199555

Subject Details

Subject	:	Accelerometer
Manufacturer	:	Svantek
Model	:	SV80
Serial No.	:	E2191
Sales Order No.	:	2028027064/1
Calibration Date	:	2020-02-24

Ambient Conditions

Temperature	:	(23 ± 3) °C
Relative Humidity	:	(55 ± 5) % relative humidity

Chan Chee Keong
Calibration Officer

Cui Shan
Approving Officer
Mechanical Metrology
Date of Issue: 2020-03-03

For further enquiries, please contact the Approving Officer, Cui Shan at Tel: +65 6279 1912, Fax: +65 6279 1994 or Email: cui_shan@nmc.a-star.edu.sg

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Method of Calibration

The accelerometer has been calibrated at the National Metrology Centre under the ambient conditions stated on page 1.

The calibration was performed as set out in procedure MM/ACC/01 as appropriate, which is based on ISO 16063-21:2003, Methods for the calibration of vibration and shock transducers – Part 21: Vibration calibration by comparison to a reference transducer.

The accelerometer was exposed to sinusoidal acceleration which was applied by means of an electrodynamic vibration exciter. The accelerometer was mounted at a torque of about 2 Nm using a stainless steel screw. Exciting axis was vertical, relative to the earth gravity.

The sensitivity of the accelerometer was calculated as the ratio of the amplitude of the output voltage of the accelerometer to the amplitude of the acceleration acting on the accelerometer under test.

The calibration was performed using the following instruments and standards traceable to national reference standards maintained at the National Metrology Centre:

1)	Spektra SRS 35 Vibration Control System	(serial no.: 201307)
2)	PCB 3701G2FA3G Capacitive Accelerometer	(serial no.: 8832)
3)	APS 113AB Long-stroke Vibration Exciter	(serial no.: 2275)
4)	APS 125 Power Amplifier	(serial no.: B125E03A13K0087)
5)	APS 0109 Zero Position Controller	(serial no.: B0109E01A09K0141)
6)	Spektra CS18 Software	(serial no.: Ver. 2.15.15.2)
7)	Rotronic NT3-D-CL Thermohygrometer	(serial no.: 60140834)

Results of Calibration

The user should determine the suitability of the instrument for its intended use. The recalibration interval should be determined based on the user's requirements.

Calibration Officer

Results of Calibration

Frequency Hz	Acceleration g Peak	Sensitivity mV/g	Expanded uncertainty of measurement %
0.5	0.013	85.49	4.6
1	0.050	98.36	1.1
2	0.203	102.5	0.8
4	0.813	103.3	0.8
8	1.023	103.1	0.8
16	0.996	102.5	0.8
31.5	0.994	102.0	0.8
63	0.996	101.6	0.8
125	0.998	101.1	1.1
160	1.001	100.7	1.1

The expanded uncertainties of measurement stated in this report are estimated at a confidence level of approximately 95% with a coverage factor k=2.

Calibration Officer

National Metrology Centre
A*STAR

National Metrology Centre
1 Science Park Drive Singapore 118221
Tel: (65) 6279 1900 Fax: (65) 6279 1992
Website: www.a-star.edu.sg/nmc

CALIBRATION REPORT

Report No. : **AL001469**

Customer : AECOM Singapore Pte Ltd
300 Beach Road
Unit 23-00 The Concourse
Singapore 199555

Subject Details

Subject	:	Sound & Vibration Analyser
Manufacturer	:	Svantek
Model	:	Svan 977
Serial No.	:	45484
Sales Order No.	:	2028027064/3
Calibration Date	:	2020-03-09

Ambient Conditions

Temperature	:	(23 ± 3) °C
Relative Humidity	:	(55 ± 5) % relative humidity

Chan Chee Keong
Calibration Officer

Cui Shan
Approving Officer
Mechanical Metrology
Date of Issue: 2020-03-10

For further enquiries, please contact the Approving Officer, Cui Shan at Tel: +65 6279 1912, Fax: +65 6279 1994 or Email: cui_shan@nmc.a-star.edu.sg

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Note : This Report is issued subject to the "Supply of Services Terms and Conditions" available at www.a-star.edu.sg/nmc and on request from National Metrology Centre. This Report is not a Certificate of Quality. It only applies to the sample of the specific product/equipment given at the time of its testing/calibration.

Method of Calibration

The sound & vibration analyser (SLM) was calibrated as set out in procedure MM/SLM/01 as appropriate, which is based on the procedures from IEC 61672-3:2013 Electroacoustics – Sound level meters – Part 3: Periodic tests.

The SLM was calibrated as received. No adjustment was carried out.

The calibration was performed using the following instruments and standards traceable to national reference standards maintained at the National Metrology Centre:

1)	SRS DS360 Function Generator	(serial no.: 33187)
2)	HP 34401A Multimeter	(serial no.: US36018527)
3)	Norsonic 483B Calibration Unit	(serial no.: 31048)
4)	Norsonic 1447/2 ½" Preamplifier	(serial no.: 31547)
5)	Norsonic 1019 Calibration Program	(serial no.: Version 6.1 2016-05-24)
6)	B&K 4191 Free-field ½" Microphone	(serial no.: 3024406)
7)	Microtech Gefell MV203 ½" Microphone Preamplifier	(serial no.: 2392)
8)	B&K 4231 Sound Calibrator	(serial no.: 3019941)
9)	Spektra CS18 Control Unit	(serial no.: 201804)
10)	Spektra SQ-101.2 Anechoic Chamber	(serial no.: 1801)
11)	Spektra Calibration Program	(serial no.: Rev. 3.5.4.0)
12)	Spektra PA 14-180 Power Amplifier	(serial no.: BS14180E02A17K0011)
13)	Vaisala HMP233 Humidity & Temperature Transmitter	(serial no.: S0310023)
14)	Druck 141 Resonant Sensor Barometer	(serial no.: 389/96-06)

Environmental conditions during calibration,

Air pressure:	(100.625 – 100.651) kPa
Air temperature:	(20.9 – 21.5) °C
Relative humidity:	(51.7 – 52.8) % relative humidity

Results of Calibration

The SLM submitted for testing successfully completed the periodic tests of IEC 61672-3:2013, for the environmental conditions under which the tests were performed. However, no general statement or conclusion can be made about conformance of the SLM to the full specifications of IEC 61672-1:2013 because evidence was not publicly available, from an independent testing organization responsible for the pattern approvals, to demonstrate that the SLM fully conformed to the class 1 specifications in IEC 61672-1:2013 and because the periodic tests of IEC 61672-3:2013 cover only a limited subset of the specifications in IEC 61672-1:2013.



Calibration Officer

Results of Calibration

Preliminary Inspection – IEC 61672-3 section 5

The SLM was visually inspected. All relevant controls and display were in working order.

Microphone	:	ACO 7052E No 59465
Preamplifier	:	Svantek SV 12L No. 42585
Software	:	Version 1.26.2
Instruction manual	:	-

Indication at the calibration check frequency – IEC 61672-3 section 10

The indication of the SLM at the calibration level and frequency was checked by application of a calibrated acoustic calibrator. SLM setting: SPL Fast A.

Ref SPL [dB] at 1 kHz	SLM before adjust [dB]	SLM after adjust [dB]	Measurement uncertainty [dB]
114.02	114.0	-	0.2

Self-generated noise, microphone installed – IEC 61672-3 section 11.1

The SLM microphone was inserted into a closed coupler to minimize environmental noise. SLM setting: Leq Fast. Measurement time was about 30 seconds.

Frequency weighting	SLM [dB]
A	36.7

The A-weighted level of self-generated noise is reported for information only and is not used to assess conformance to a requirement. The level of self-generated noise is reported without an associated uncertainty (IEC 61672-3 section 11.1, Note 2).

Calibration Officer

Results of Calibration

Self-generated noise by the electrical input-signal device – IEC 61672-3 section 11.2

A low impedance 18 pF adapter was substituted for the SLM microphone. SLM setting: Leq Fast. Measurement time was 30 seconds.

Frequency weighting	SLM [dB]
A	18.5
C	18.4
Z	21.8

The level of self-generated noise is reported for information only and is not used to assess conformance to a requirement. The level is reported without an associated uncertainty (IEC 61672-3 section 11.2, Note).

Acoustical signal tests of a frequency weighting – IEC 61672-3 section 12

Response to acoustical signal at frequency-weighting C was tested in an anechoic chamber under free-field conditions. Expected level was calculated as the reference SPL with the corresponding C-weighted level. SLM setting: SPL Fast C.

Freq [Hz]	Reference SPL [dB]	Expected [dB]	SLM [dB]	Acceptance limits [dB]		Measurement uncertainty [dB]
125	84.01	83.8	84.0	82.8	84.8	0.4
250	84.01	84.0	84.2	83.0	85.0	0.3
500	84.00	84.0	84.2	83.0	85.0	0.3
1000	84.03	84.0	84.1	83.3	84.7	0.3
2000	84.02	83.8	84.2	82.8	84.8	0.3
4000	84.02	83.2	83.8	82.2	84.2	0.3
8000	84.04	81.0	82.3	78.5	82.5	0.3



Calibration Officer

Results of Calibration

Electrical signal tests of frequency weightings – IEC 61672-3 section 13

The SLM microphone was substituted with an electrical input adaptor and the frequency response relative to level at 1 kHz using electrical signal was measured at 45 dB below the top of the SLM full scale range.

A weighting

Freq [Hz]	Expected [dB]	SLM [dB]	Deviation [dB]	Acceptance limits [dB]		Uncertainty [dB]
63.1	95.0	95.0	0.0	-1.0	1.0	0.2
125.9	95.0	95.0	0.0	-1.0	1.0	0.2
251.2	95.0	94.9	-0.1	-1.0	1.0	0.2
501.2	95.0	94.9	-0.1	-1.0	1.0	0.2
1000.0	95.0	95.0	0.0	-0.7	0.7	0.2
1995.3	95.0	95.0	0.0	-1.0	1.0	0.2
3981.1	95.0	95.0	0.0	-1.0	1.0	0.2
7943.3	95.0	95.1	0.1	-2.5	1.5	0.2
15848.9	95.0	94.8	-0.2	-16.0	2.5	0.2

C weighting

Freq [Hz]	Expected [dB]	SLM [dB]	Deviation [dB]	Acceptance limits [dB]		Uncertainty [dB]
63.1	95.0	95.0	0.0	-1.0	1.0	0.2
125.9	95.0	95.0	0.0	-1.0	1.0	0.2
251.2	95.0	95.0	0.0	-1.0	1.0	0.2
501.2	95.0	95.0	0.0	-1.0	1.0	0.2
1000.0	95.0	95.0	0.0	-0.7	0.7	0.2
1995.3	95.0	95.0	0.0	-1.0	1.0	0.2
3981.1	95.0	95.0	0.0	-1.0	1.0	0.2
7943.3	95.0	95.1	0.1	-2.5	1.5	0.2
15848.9	95.0	94.8	-0.2	-16.0	2.5	0.2



Calibration Officer

Results of Calibration

Z weighting

Freq [Hz]	Expected [dB]	SLM [dB]	Deviation [dB]	Acceptance limits [dB]		Uncertainty [dB]
63.1	95.0	95.0	0.0	-1.0	1.0	0.2
125.9	95.0	95.0	0.0	-1.0	1.0	0.2
251.2	95.0	95.0	0.0	-1.0	1.0	0.2
501.2	95.0	95.0	0.0	-1.0	1.0	0.2
1000.0	95.0	95.0	0.0	-0.7	0.7	0.2
1995.3	95.0	95.0	0.0	-1.0	1.0	0.2
3981.1	95.0	95.0	0.0	-1.0	1.0	0.2
7943.3	95.0	95.0	0.0	-2.5	1.5	0.2
15848.9	95.0	95.0	0.0	-16.0	2.5	0.2

Frequency and time weightings at 1 kHz – IEC 61672-3 section 14

Deviation of measurement relative to A-weighted and Fast response shall not differ more than 0.1 dB acceptance limits given in IEC 61672-1:2013.

Time	Weighting	Expected [dB]	SLM [dB]	Deviation [dB]	Uncertainty [dB]
Fast	A	114.0	114.0	Reference SPL	0.2
Fast	C	114.0	114.0	0.0	0.2
Fast	Z	114.0	114.0	0.0	0.2
Slow	A	114.0	114.0	0.0	0.2
Leq	A	114.0	114.0	0.0	0.2
SEL	A	134.0	134.0	0.0	0.2

Long-term stability – IEC 61672-3 section 15

The SLM stability was evaluated for difference between levels with a steady 1 kHz signal applied at the beginning and end of a period of operation. SLM setting: SPL Fast A.

Period [mm:ss]	Initial level [dB]	Final level [dB]	Difference [dB]	Acceptance limits [dB]		Uncertainty [dB]
35:04	114.0	114.0	0.0	-0.1	0.1	0.1

Calibration Officer

Results of Calibration

Level linearity on the reference level range – IEC 61672-3 clause 16

The SLM linearity was tested with a steady electrical signal at 8 kHz. The test began with the signal adjusted to the reference level of 114 dB and increasing the signal level up to the 1st indication of overload or upper boundary operating range and decreasing the signal level down to the SLM lower boundary operating range. SLM setting: SPL Fast A.

Expected [dB]	SLM [dB]	Deviation [dB]	Acceptance limits [dB]		Uncertainty [dB]	
114.0	114.0	0.0	-0.8	0.8	0.2	
119.0	119.0	0.0	-0.8	0.8	0.2	
124.0	124.0	0.0	-0.8	0.8	0.2	
129.0	129.0	0.0	-0.8	0.8	0.2	
134.9	134.9	0.0	-0.8	0.8	0.2	
135.9	135.9 ↑	0.0	-0.8	0.8	0.2	Overload
114.0	114.0	0.0	-0.8	0.8	0.2	
109.0	109.0	0.0	-0.8	0.8	0.2	
104.0	104.0	0.0	-0.8	0.8	0.2	
99.0	99.0	0.0	-0.8	0.8	0.2	
94.0	94.0	0.0	-0.8	0.8	0.2	
89.0	89.0	0.0	-0.8	0.8	0.2	
84.0	84.0	0.0	-0.8	0.8	0.2	
79.0	79.0	0.0	-0.8	0.8	0.2	
74.0	74.0	0.0	-0.8	0.8	0.2	
69.0	69.0	0.0	-0.8	0.8	0.2	
64.0	64.0	0.0	-0.8	0.8	0.2	
59.0	59.0	0.0	-0.8	0.8	0.2	
54.0	54.0	0.0	-0.8	0.8	0.2	
49.0	49.0	0.0	-0.8	0.8	0.2	
44.0	44.1	0.1	-0.8	0.8	0.2	
43.0	43.1	0.1	-0.8	0.8	0.2	
42.0	42.1	0.1	-0.8	0.8	0.2	
41.0	41.1	0.1	-0.8	0.8	0.2	
40.0	40.1	0.1	-0.8	0.8	0.2	

Calibration Officer

Results of Calibration

Toneburst response – IEC 61672-3 section 18

Response to 4 kHz toneburst, relative to continuous signal were measured at frequency weighting A.

Burst type	Expected [dB]	SLM [dB]	Deviation [dB]	Acceptance limits [dB]		Uncertainty [dB]
Fast 200 mSec	137.0	137.0	0.0	-0.5	0.5	0.3
Fast 2.0 mSec	120.0	120.0	0.0	-1.5	1.0	0.3
Fast 0.25 mSec	111.0	110.9	-0.1	-3.0	1.0	0.3
Slow 200 mSec	130.6	130.6	0.0	-0.5	0.5	0.3
Slow 2.0 mSec	111.0	111.0	0.0	-3.0	1.0	0.3
SEL 200 mSec	131.0	131.0	0.0	-0.5	0.5	0.3
SEL 2.0 mSec	111.0	111.0	0.0	-1.5	1.0	0.3
SEL 0.25 mSec	102.0	101.9	-0.1	-3.0	1.0	0.3

C-weighted peak sound level – IEC 61672-3 section 19

Peak response to 8 kHz 1-cycle and 500 Hz ½-cycle sine were measured.

Pulse type	Pulse [Hz]	[dB]	Expected peak [dB]	SLM peak [dB]	Deviation [dB]	Acceptance limits [dB]		Uncertainty [dB]
1 cycle	8 k	129.0	132.4	131.5	-0.9	-2.0	2.0	0.3
Positive ½ cycle	500	132.0	134.4	134.2	-0.2	-1.0	1.0	0.3
Negative ½ cycle	500	132.0	134.4	134.2	-0.2	-1.0	1.0	0.3

Overload indication – IEC 61672-3 section 20

Overload indication was determined with a 4 kHz ½-cycle signal. SLM setting: Leq Fast A.

	SLM [dB]	Acceptance limits [dB]		Uncertainty [dB]
Difference of positive and negative pulses:	0.0	-1.5	1.5	0.2
Positive ½ cycle, overload occurred at:	139.6			
Negative ½ cycle, overload occurred at:	139.6			

Calibration Officer

Results of Calibration

High-level stability – IEC 61672-3 section 21

Measured with a steady 1 kHz signal at 1 dB below the SLM maximum level range over 5 minutes period.

Initial level [dB]	Final level [dB]	Difference [dB]	Acceptance limits [dB]		Uncertainty [dB]
139.0	139.0	0.0	-0.1	0.1	0.1

The expanded uncertainties of measurement stated in this report are estimated at a confidence level of approximately 95% with a coverage factor k=2.

The user should determine the suitability of the instrument for its intended use. The recalibration interval should be determined based on the user's requirements.



Calibration Officer

National Metrology Centre
A*STAR

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CALIBRATION REPORT

Report No. : **AL001470**

Customer : AECOM Singapore Pte Ltd
300 Beach Road
Unit 23-00 The Concourse
Singapore 199555

Subject Details

Subject	:	Sound & Vibration Analyser
Manufacturer	:	Svantek
Model	:	Svan 977
Serial No.	:	36829
Sales Order No.	:	2028027064/4
Calibration Date	:	2020-03-09

Ambient Conditions

Temperature	:	(23 ± 3) °C
Relative Humidity	:	(55 ± 10) % relative humidity

Chan Chee Keong
Calibration Officer

Cui Shan
Approving Officer
Mechanical Metrology
Date of Issue: 2020-03-11

For further enquiries, please contact the Approving Officer, Cui Shan at Tel: +65 6279 1912, Fax: +65 6279 1994 or Email: cui_shan@nmc.a-star.edu.sg

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Method of Calibration

The sound & vibration analyser (SLM) was calibrated as set out in procedure MM/SLM/01 as appropriate, which is based on the procedures from IEC 61672-3:2013 Electroacoustics – Sound level meters – Part 3: Periodic tests.

The SLM was calibrated as received. No adjustment was carried out.

The calibration was performed using the following instruments and standards traceable to national reference standards maintained at the National Metrology Centre:

1)	SRS DS360 Function Generator	(serial no.: 33187)
2)	HP 34401A Multimeter	(serial no.: US36018527)
3)	Norsonic 483B Calibration Unit	(serial no.: 31048)
4)	Norsonic 1447/2 ½" Preamplifier	(serial no.: 31547)
5)	Norsonic 1019 Calibration Program	(serial no.: Version 6.1 2016-05-24)
6)	B&K 4191 Free-field ½" Microphone	(serial no.: 3024406)
7)	Microtech Gefell MV203 ½" Microphone Preamplifier	(serial no.: 2392)
8)	B&K 4231 Sound Calibrator	(serial no.: 3019941)
9)	Spektra CS18 Control Unit	(serial no.: 201804)
10)	Spektra SQ-101.2 Anechoic Chamber	(serial no.: 1801)
11)	Spektra Calibration Program	(serial no.: Rev. 3.5.4.0)
12)	Spektra PA 14-180 Power Amplifier	(serial no.: BS14180E02A17K0011)
13)	Vaisala HMP233 Humidity & Temperature Transmitter	(serial no.: S0310023)
14)	Druck 141 Resonant Sensor Barometer	(serial no.: 389/96-06)

Environmental conditions during calibration,

Air pressure:	(100.623 – 100.712) kPa
Air temperature:	(20.4 – 21.9) °C
Relative humidity:	(47.3 – 55.2) % relative humidity

Results of Calibration

The SLM submitted for testing successfully completed the periodic tests of IEC 61672-3:2013, for the environmental conditions under which the tests were performed. However, no general statement or conclusion can be made about conformance of the SLM to the full specifications of IEC 61672-1:2013 because evidence was not publicly available, from an independent testing organization responsible for the pattern approvals, to demonstrate that the SLM fully conformed to the class 1 specifications in IEC 61672-1:2013 and because the periodic tests of IEC 61672-3:2013 cover only a limited subset of the specifications in IEC 61672-1:2013.



Calibration Officer

Results of Calibration

Preliminary Inspection – IEC 61672-3 section 5

The SLM was visually inspected. All relevant controls and display were in working order.

Microphone	:	ACO 7052E No 64207
Preamplifier	:	Svantek SV 12L No. 49875
Software	:	Version 1.25.1
Instruction manual	:	-

Indication at the calibration check frequency – IEC 61672-3 section 10

The indication of the SLM at the calibration level and frequency was checked by application of a calibrated acoustic calibrator. SLM setting: SPL Fast A.

Ref SPL [dB] at 1 kHz	SLM before adjust [dB]	SLM after adjust [dB]	Measurement uncertainty [dB]
114.02	114.0	-	0.2

Self-generated noise, microphone installed – IEC 61672-3 section 11.1

The SLM microphone was inserted into a closed coupler to minimize environmental noise. SLM setting: Leq Fast. Measurement time was about 30 seconds.

Frequency weighting	SLM [dB]
A	29.9

The A-weighted level of self-generated noise is reported for information only and is not used to assess conformance to a requirement. The level of self-generated noise is reported without an associated uncertainty (IEC 61672-3 section 11.1, Note 2).



Calibration Officer

Results of Calibration

Self-generated noise by the electrical input-signal device – IEC 61672-3 section 11.2

A low impedance 18 pF adapter was substituted for the SLM microphone. SLM setting: Leq Fast. Measurement time was 30 seconds.

Frequency weighting	SLM [dB]
A	9.8
C	13.1
Z	17.6

The level of self-generated noise is reported for information only and is not used to assess conformance to a requirement. The level is reported without an associated uncertainty (IEC 61672-3 section 11.2, Note).

Acoustical signal tests of a frequency weighting – IEC 61672-3 section 12

Response to acoustical signal at frequency-weighting C was tested in an anechoic chamber under free-field conditions. Expected level was calculated as the reference SPL with the corresponding C-weighted level. SLM setting: SPL Fast C.

Freq [Hz]	Reference SPL [dB]	Expected [dB]	SLM [dB]	Acceptance limits [dB]		Measurement uncertainty [dB]
125	83.98	83.8	83.9	82.8	84.8	0.4
250	84.01	84.0	84.2	83.0	85.0	0.3
500	84.01	84.0	84.2	83.0	85.0	0.3
1000	84.03	84.0	84.1	83.3	84.7	0.3
2000	84.02	83.8	84.0	82.8	84.8	0.3
4000	84.03	83.2	83.0	82.2	84.2	0.3
8000	84.05	81.1	80.3	78.6	82.6	0.3

Calibration Officer

Results of Calibration

Electrical signal tests of frequency weightings – IEC 61672-3 section 13

The SLM microphone was substituted with an electrical input adaptor and the frequency response relative to level at 1 kHz using electrical signal was measured at 45 dB below the top of the SLM full scale range.

A weighting

Freq [Hz]	Expected [dB]	SLM [dB]	Deviation [dB]	Acceptance limits [dB]		Uncertainty [dB]
63.1	95.0	95.0	0.0	-1.0	1.0	0.2
125.9	95.0	94.9	-0.1	-1.0	1.0	0.2
251.2	95.0	94.9	-0.1	-1.0	1.0	0.2
501.2	95.0	94.9	-0.1	-1.0	1.0	0.2
1000.0	95.0	95.0	0.0	-0.7	0.7	0.2
1995.3	95.0	95.0	0.0	-1.0	1.0	0.2
3981.1	95.0	95.0	0.0	-1.0	1.0	0.2
7943.3	95.0	95.1	0.1	-2.5	1.5	0.2
15848.9	95.0	94.8	-0.2	-16.0	2.5	0.2

C weighting

Freq [Hz]	Expected [dB]	SLM [dB]	Deviation [dB]	Acceptance limits [dB]		Uncertainty [dB]
63.1	95.0	94.9	-0.1	-1.0	1.0	0.2
125.9	95.0	95.0	0.0	-1.0	1.0	0.2
251.2	95.0	94.9	-0.1	-1.0	1.0	0.2
501.2	95.0	95.0	0.0	-1.0	1.0	0.2
1000.0	95.0	95.0	0.0	-0.7	0.7	0.2
1995.3	95.0	95.0	0.0	-1.0	1.0	0.2
3981.1	95.0	95.0	0.0	-1.0	1.0	0.2
7943.3	95.0	95.1	0.1	-2.5	1.5	0.2
15848.9	95.0	94.8	-0.2	-16.0	2.5	0.2

Calibration Officer

Results of Calibration

Z weighting

Freq [Hz]	Expected [dB]	SLM [dB]	Deviation [dB]	Acceptance limits [dB]		Uncertainty [dB]
63.1	95.0	95.0	0.0	-1.0	1.0	0.2
125.9	95.0	95.0	0.0	-1.0	1.0	0.2
251.2	95.0	94.9	-0.1	-1.0	1.0	0.2
501.2	95.0	94.9	-0.1	-1.0	1.0	0.2
1000.0	95.0	95.0	0.0	-0.7	0.7	0.2
1995.3	95.0	94.9	-0.1	-1.0	1.0	0.2
3981.1	95.0	94.9	-0.1	-1.0	1.0	0.2
7943.3	95.0	95.0	0.0	-2.5	1.5	0.2
15848.9	95.0	95.0	0.0	-16.0	2.5	0.2

Frequency and time weightings at 1 kHz – IEC 61672-3 section 14

Deviation of measurement relative to A-weighted and Fast response shall not differ more than 0.1 dB acceptance limits given in IEC 61672-1:2013.

Time	Weighting	Expected [dB]	SLM [dB]	Deviation [dB]	Uncertainty [dB]
Fast	A	114.0	114.0	Reference SPL	0.2
Fast	C	114.0	114.0	0.0	0.2
Fast	Z	114.0	114.0	0.0	0.2
Slow	A	114.0	114.0	0.0	0.2
Leq	A	114.0	114.0	0.0	0.2
SEL	A	134.0	134.0	0.0	0.2

Long-term stability – IEC 61672-3 section 15

The SLM stability was evaluated for difference between levels with a steady 1 kHz signal applied at the beginning and end of a period of operation. SLM setting: SPL Fast A.

Period [mm:ss]	Initial level [dB]	Final level [dB]	Difference [dB]	Acceptance limits [dB]		Uncertainty [dB]
26:40	114.0	114.0	0.0	-0.1	0.1	0.1

Calibration Officer

Results of Calibration

Level linearity on the reference level range – IEC 61672-3 clause 16

The SLM linearity was tested with a steady electrical signal at 8 kHz. The test began with the signal adjusted to the reference level of 114 dB and increasing the signal level up to the 1st indication of overload or upper boundary operating range and decreasing the signal level down to the SLM lower boundary operating range. SLM setting: SPL Fast A.

Expected [dB]	SLM [dB]	Deviation [dB]	Acceptance limits [dB]		Uncertainty [dB]	
114.0	114.0	0.0	-0.8	0.8	0.2	
119.0	119.0	0.0	-0.8	0.8	0.2	
124.0	124.1	0.1	-0.8	0.8	0.2	
129.0	129.1	0.1	-0.8	0.8	0.2	
134.9	135.0 ⇧	0.1	-0.8	0.8	0.2	Overload
114.0	114.0	0.0	-0.8	0.8	0.2	
109.0	109.0	0.0	-0.8	0.8	0.2	
104.0	104.0	0.0	-0.8	0.8	0.2	
99.0	99.0	0.0	-0.8	0.8	0.2	
94.0	94.0	0.0	-0.8	0.8	0.2	
89.0	89.0	0.0	-0.8	0.8	0.2	
84.0	84.0	0.0	-0.8	0.8	0.2	
79.0	79.0	0.0	-0.8	0.8	0.2	
74.0	74.0	0.0	-0.8	0.8	0.2	
69.0	69.0	0.0	-0.8	0.8	0.2	
64.0	64.0	0.0	-0.8	0.8	0.2	
59.0	59.0	0.0	-0.8	0.8	0.2	
54.0	54.0	0.0	-0.8	0.8	0.2	
49.0	49.0	0.0	-0.8	0.8	0.2	
44.0	44.1	0.1	-0.8	0.8	0.2	
43.0	43.0	0.0	-0.8	0.8	0.2	
42.0	42.0	0.0	-0.8	0.8	0.2	
41.0	41.1	0.1	-0.8	0.8	0.2	
40.0	40.1	0.1	-0.8	0.8	0.2	

Calibration Officer

Results of Calibration

Toneburst response – IEC 61672-3 section 18

Response to 4 kHz toneburst, relative to continuous signal were measured at frequency weighting A.

Burst type	Expected [dB]	SLM [dB]	Deviation [dB]	Acceptance limits [dB]	Uncertainty [dB]
Fast 200 mSec	137.0	137.0	0.0	-0.5 0.5	0.3
Fast 2.0 mSec	120.0	119.9	-0.1	-1.5 1.0	0.3
Fast 0.25 mSec	111.0	110.8	-0.2	-3.0 1.0	0.3
Slow 200 mSec	130.6	130.5	-0.1	-0.5 0.5	0.3
Slow 2.0 mSec	111.0	110.9	-0.1	-3.0 1.0	0.3
SEL 200 mSec	131.0	131.0	0.0	-0.5 0.5	0.3
SEL 2.0 mSec	111.0	110.9	-0.1	-1.5 1.0	0.3
SEL 0.25 mSec	102.0	101.9	-0.1	-3.0 1.0	0.3

C-weighted peak sound level – IEC 61672-3 section 19

Peak response to 8 kHz 1-cycle and 500 Hz ½-cycle sine were measured.

Pulse type	Pulse [Hz]	[dB]	Expected peak [dB]	SLM peak [dB]	Deviation [dB]	Acceptance limits [dB]	Uncertainty [dB]
1 cycle	8 k	129.0	132.4	131.7	-0.7	-2.0 2.0	0.3
Positive ½ cycle	500	132.0	134.4	134.1	-0.3	-1.0 1.0	0.3
Negative ½ cycle	500	132.0	134.4	134.1	-0.3	-1.0 1.0	0.3

Overload indication – IEC 61672-3 section 20

Overload indication was determined with a 4 kHz ½-cycle signal. SLM setting: Leq Fast A.

	SLM [dB]	Acceptance limits [dB]	Uncertainty [dB]
Difference of positive and negative pulses:	0.0	-1.5 1.5	0.2
Positive ½ cycle, overload occurred at:	138.6		
Negative ½ cycle, overload occurred at:	138.6		

Calibration Officer

Results of Calibration

High-level stability – IEC 61672-3 section 21

Measured with a steady 1 kHz signal at 1 dB below the SLM maximum level range over 5 minutes period.

Initial level [dB]	Final level [dB]	Difference [dB]	Acceptance limits [dB]		Uncertainty [dB]
138.8	138.8	0.0	-0.1	0.1	0.1

The expanded uncertainties of measurement stated in this report are estimated at a confidence level of approximately 95% with a coverage factor k=2.

The user should determine the suitability of the instrument for its intended use. The recalibration interval should be determined based on the user's requirements.

Calibration Officer

Appendix R1

Impact Assessment for Habitats, Plant and Faunal Species at Turf City (Sites I, II and III)

					Pre-mitigated				Post-mitigated (Residual)			
Phase	**Impact type**	**Habitat**	**Ecological Value**	**Sensitivity**	**Impact intensity**	**Consequence**	**Likelihood**	**Impact significance**	**Impact intensity**	**Consequence**	**Likelihood**	**Impact significance**
Construction	Loss of vegetation	Native-dominated Secondary Forest	High	Priority 1	Medium	Medium	Certain	**Major**	Low	Low	Certain	**Moderate**
		Mixed Forest	High	Priority 1	Medium	Medium	Certain	**Major**	Low	Low	Certain	**Moderate**
		Abandoned-land Forest	Moderate	Priority 2	Low	Very low	Certain	Minor	Negligible	Imperceptible	Certain	Negligible
		Waste Woodland	Moderate	Priority 2	High	Medium	Certain	**Major**	High	Medium	Certain	**Major**
		Scrubland and Herbaceous Vegetation	Moderate	Priority 2	Medium	Low	Certain	**Moderate**	Low	Very low	Certain	Minor
		Managed Vegetation	Low	Priority 3	Negligible	Imperceptible	Certain	Negligible	Negligible	Imperceptible	Certain	Negligible
		Waterbody (D/S8)	Moderate	Priority 2	High	Medium	Certain	**Major**	Medium	Low	Certain	**Moderate**
	Habitat degradation	Native-dominated Secondary Forest	High	Priority 1	Medium	Medium	Less likely	Minor	High	High	Less likely	Minor
		Mixed Forest	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Abandoned-land Forest	Moderate	Priority 2	Low	Very low	Less likely	Negligible	Medium	Low	Less likely	Minor
		Waste Woodland	Moderate	Priority 2	Medium	Low	Less likely	Minor	High	Medium	Less likely	Minor
		Scrubland and Herbaceous Vegetation	Moderate	Priority 2	Medium	Low	Less likely	Minor	High	Medium	Less likely	Minor
		Managed Vegetation	Low	Priority 3	High	Low	Less likely	Minor	Negligible	Imperceptible	Less likely	Negligible
		Waterbody (D/S8)	Moderate	Priority 2	Medium	Low	Less likely	Minor	High	Medium	Less likely	Minor
	Change in species composition	Native-dominated Secondary Forest	High	Priority 1	Medium	Medium	Possible	**Moderate**	High	High	Less likely	Minor
		Mixed Forest	High	Priority 1	Low	Low	Unlikely	Negligible	Low	Low	Unlikely	Negligible
		Abandoned-land Forest	Moderate	Priority 2	Low	Very low	Unlikely	Negligible	Medium	Low	Unlikely	Negligible
		Waste Woodland	Moderate	Priority 2	Medium	Low	Possible	Minor	High	Medium	Less likely	Minor
		Scrubland and Herbaceous Vegetation	Moderate	Priority 2	Medium	Low	Less likely	Minor	High	Medium	Less likely	Minor
		Managed Vegetation	Low	Priority 3	High	Low	Unlikely	Negligible	Negligible	Imperceptible	Less likely	Negligible
		Waterbody (D/S8)	Moderate	Priority 2	Medium	Low	Less likely	Minor	High	Medium	Less likely	Minor
Operational	Habitat degradation	Native-dominated Secondary Forest	High	Priority 1	Medium	Medium	Less likely	Minor	Medium	Medium	Less likely	Minor
		Mixed Forest	High	Priority 1	Medium	Medium	Less likely	Minor	Medium	Medium	Less likely	Minor
		Abandoned-land Forest	Moderate	Priority 2	Medium	Low	Less likely	Minor	Medium	Low	Less likely	Minor
		Waste Woodland	Moderate	Priority 2	Medium	Low	Less likely	Minor	Medium	Low	Less likely	Minor
		Scrubland and Herbaceous Vegetation	Moderate	Priority 2	Medium	Low	Less likely	Minor	Medium	Low	Less likely	Minor
		Managed Vegetation	Low	Priority 3	Medium	Very low	Less likely	Negligible	Medium	Very low	Less likely	Negligible
		Waterbody (D/S8)	Moderate	Priority 2	Medium	Low	Less likely	Minor	Medium	Low	Less likely	Minor
	Change in species composition	Native-dominated Secondary Forest	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Mixed Forest	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Abandoned-land Forest	Moderate	Priority 2	Low	Very low	Less likely	Negligible	Low	Very low	Less likely	Negligible
		Waste Woodland	Moderate	Priority 2	Low	Very low	Less likely	Negligible	Low	Very low	Less likely	Negligible
		Scrubland and Herbaceous Vegetation	Moderate	Priority 2	Low	Very low	Less likely	Negligible	Low	Very low	Less likely	Negligible
		Managed Vegetation	Low	Priority 3	Low	Very low	Less likely	Negligible	Low	Very low	Less likely	Negligible
		Waterbody (D/S8)	Moderate	Priority 2	Low	Very low	Less likely	Negligible	Low	Very low	Less likely	Negligible

								Pre-mitigated				Post-mitigated (residual)			
Phase	Impact type	Species	Family	Origin	Status	Habit	Sensitivity	Impact intensity	Consequence	Likelihood	Impact significance	Impact intensity	Consequence	Likelihood	Impact significance
Construction	Mortality	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	Low	Low	Very low	Almost certain	Minor	Low	Very low	Almost certain	Minor
		Actinodaphne macrophylla	Lauraceae	Native	Presumed Extinct	Tree	High	Negligible	Very low	Unlikely	Negligible	Medium	Medium	Almost certain	**Major**
		Agelaea borneensis	Connaraceae	Native	Vulnerable	Climber	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Alsophila latebrosa	Cyatheaceae	Native	Vulnerable	Tree	High	Low	Low	Almost certain	**Moderate**	Low	Low	Almost certain	**Moderate**
		Amphineuron opulentum	Thelypteridaceae	Native	Endangered	Climber	High	Low	Low	Almost certain	**Moderate**	Negligible	Very low	Unlikely	Negligible
		Angiopteris evecta	Marattiaceae	Native	Vulnerable	Herb	High	Medium	Medium	Almost certain	**Major**	Negligible	Very low	Unlikely	Negligible
		Aporosa benthamiana	Phyllanthaceae	Native	Vulnerable	Tree	High	Low	Low	Almost certain	**Moderate**	Negligible	Very low	Unlikely	Negligible
		Aporosa lucida var. *lucida*	Phyllanthaceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Aporosa nigricans	Phyllanthaceae	Native	Endangered	Tree	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Archidendron jiringa	Fabaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Aristolochia acuminata	Aristolochiaceae	Exotic	Cultivated Only	Climber	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Artabotrys suaveolens	Annonaceae	Native	Endangered	Climber	High	Low	Low	Almost certain	**Moderate**	Negligible	Very low	Unlikely	Negligible
		Arthrophyllum diversifolium	Araliaceae	Native	Common	Tree	Medium	High	Medium	Almost certain	**Major**	Negligible	Imperceptible	Unlikely	Negligible
		Aspidopterys concava	Malpighiaceae	Native	Endangered	Climber	High	High	High	Almost certain	**Major**	Negligible	Very low	Unlikely	Negligible
		Asplenium nitidum	Aspleniaceae	Native	Presumed Extinct	Epiphyte	High	High	High	Almost certain	**Major**	Negligible	Very low	Unlikely	Negligible
		Baccaurea pyriformis	Phyllanthaceae	Native	Presumed Extinct	Tree	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Bambusa vulgaris	Poaceae	Exotic	Casual	Shrub	High	Negligible	Very low	Unlikely	Negligible	Low	Low	Almost certain	**Moderate**
		Bridelia stipularis	Phyllanthaceae	Native	Vulnerable	Shrub	High	Low	Low	Almost certain	**Moderate**	Negligible	Very low	Unlikely	Negligible
		Bridelia tomentosa	Phyllanthaceae	Native	Common	Tree	Medium	Low	Very low	Almost certain	Minor	Low	Very low	Almost certain	Minor
		Bulbophyllum vaginatum	Orchidaceae	Native	Endangered	Epiphyte	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Calophyllum inophyllum	Calophyllaceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Calophyllum rubiginosum	Calophyllaceae	Native	Endangered	Tree	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Calophyllum tetrapterum	Calophyllaceae	Native	Vulnerable	Tree	High	Low	Low	Almost certain	**Moderate**	Negligible	Very low	Unlikely	Negligible
		Carallia brachiata	Rhizophoraceae	Native	Endangered	Tree	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		cf. *Asplenium nitidum*	Aspleniaceae	Native	Presumed Extinct	Epiphyte	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		cf. *Dibridsonia conferta*	Rubiaceae	Native	Endangered	Tree	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Cinnamomum iners	Lauraceae	Native	Common	Tree	Medium	Low	Very low	Almost certain	Minor	Low	Very low	Almost certain	Minor
		Claoxylon indicum	Euphorbiaceae	Native	Common	Tree	Medium	Low	Very low	Almost certain	Minor	Low	Very low	Almost certain	Minor
		Commersonia bartramia	Malvaceae	Native	Common	Tree	Medium	High	Medium	Almost certain	**Major**	Negligible	Imperceptible	Unlikely	Negligible
		Connarus semidecandrus	Connaraceae	Native	Critically Endanger	Climber	High	Low	Low	Almost certain	**Moderate**	Negligible	Very low	Unlikely	Negligible
		Cyrtophyllum fragrans	Gentianaceae	Native	Common	Tree	Medium	Low	Very low	Almost certain	Minor	Negligible	Imperceptible	Unlikely	Negligible
		Dacryodes cf. *rostrata*	Burseraceae	Native	Vulnerable	Tree	High	High	High	Almost certain	**Major**	Negligible	Very low	Unlikely	Negligible
		Delonix regia	Fabaceae	Exotic	Cultivated Only	Tree	Low	High	Low	Almost certain	**Moderate**	Negligible	Imperceptible	Unlikely	Negligible
		Dillenia sp.	Dilleniaceae	-	-	-	Medium	Negligible	Imperceptible	Unlikely	Negligible	Negligible	Imperceptible	Unlikely	Negligible
		Elaeis guineensis	Arecaceae	Exotic	Cultivated Only	Tree	Low	Low	Very low	Almost certain	Minor	Low	Very low	Almost certain	Minor
		Endospermum sp.	Euphorbiaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Erythrophleum suaveolens	Fabaceae	Exotic	Cultivated Only	Tree	Low	Low	Very low	Almost certain	Minor	Negligible	Imperceptible	Unlikely	Negligible
		Falcataria moluccana	Fabaceae	Exotic	Naturalised	Tree	Low	Low	Very low	Almost certain	Minor	Low	Very low	Almost certain	Minor
		Ficus aurata var. *aurata*	Moraceae	Native	Vulnerable	Tree	High	Medium	Medium	Almost certain	**Major**	Low	Low	Almost certain	**Moderate**
		Ficus barteri	Moraceae	Exotic	Cultivated Only	Tree	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Ficus benjamina	Moraceae	Cryptogenic	-	Strangler	High	Low	Low	Almost certain	**Moderate**	Low	Low	Almost certain	**Moderate**
		Ficus fistulosa	Moraceae	Native	Common	Tree	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Ficus glandulifera	Moraceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Unlikely	Negligible	High	High	Almost certain	**Major**
		Ficus globosa	Moraceae	Native	Endangered	Shrub	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Ficus grossularioides var. *grossularioides*	Moraceae	Native	Common	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Ficus heteropleura	Moraceae	Native	Common	Climber	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Ficus hispida	Moraceae	Exotic	Naturalised	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Ficus kerkhovenii	Moraceae	Native	Critically Endanger	Strangler	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Ficus lyrata	Moraceae	Exotic	Cultivated Only	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Ficus microcarpa	Moraceae	Native	Common	Strangler	High	Low	Low	Almost certain	**Moderate**	Low	Low	Almost certain	**Moderate**
		Ficus punctata	Moraceae	Native	Common	Climber	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Ficus religiosa	Moraceae	Exotic	Naturalised	Strangler	High	Negligible	Very low	Unlikely	Negligible	Medium	Medium	Almost certain	**Major**
		Ficus variegata	Moraceae	Native	Common	Tree	High	Low	Low	Almost certain	**Moderate**	Low	Low	Almost certain	**Moderate**
		Gliricidia sepium	Fabaceae	Exotic	Casual	Tree	Low	High	Low	Almost certain	**Moderate**	Negligible	Imperceptible	Unlikely	Negligible

								Pre-mitigated				Post-mitigated (residual)			
Phase	Impact type	Species	Family	Origin	Status	Habit	Sensitivity	Impact intensity	Consequence	Likelihood	Impact significance	Impact intensity	Consequence	Likelihood	Impact significance
		Goniophlebium percussum	Polypodiaceae	Native	Vulnerable	Epiphyte	High	Low	Low	Almost certain	**Moderate**	Negligible	Very low	Unlikely	Negligible
		Guioa pleuropteris	Sapindaceae	Native	Vulnerable	Shrub	High	Medium	Medium	Almost certain	**Major**	Negligible	Very low	Unlikely	Negligible
		Guioa pubescens	Sapindaceae	Native	Vulnerable	Tree	High	Low	Low	Almost certain	**Moderate**	Low	Low	Almost certain	**Moderate**
		Gymnacranthera farquhariana	Myristicaceae	Native	Critically Endanger	Tree	High	High	High	Almost certain	**Major**	Negligible	Very low	Unlikely	Negligible
		Horsfieldia polyspherula	Myristicaceae	Native	Vulnerable	Tree	High	Low	Low	Almost certain	**Moderate**	Low	Low	Almost certain	**Moderate**
		Ixonanthes reticulata	Ixonanthaceae	Native	Common	Tree	Medium	High	Medium	Almost certain	**Major**	Negligible	Imperceptible	Unlikely	Negligible
		Leucaena leucocephala	Fabaceae	Exotic	Naturalised	Tree	Low	Low	Very low	Almost certain	Minor	Low	Very low	Almost certain	Minor
		Litsea elliptica	Lauraceae	Native	Common	Tree	Medium	Medium	Low	Almost certain	**Moderate**	Negligible	Imperceptible	Unlikely	Negligible
		Litsea firma	Lauraceae	Native	Vulnerable	Tree	High	Low	Low	Almost certain	**Moderate**	Low	Low	Almost certain	**Moderate**
		Lygodium longifolium	Schizaeaceae	Native	Vulnerable	Climber	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Macaranga gigantea	Euphorbiaceae	Native	Common	Tree	Medium	Low	Very low	Almost certain	Minor	Negligible	Imperceptible	Unlikely	Negligible
		Macaranga griffithiana	Euphorbiaceae	Native	Vulnerable	Tree	High	Medium	Medium	Almost certain	**Major**	Negligible	Very low	Unlikely	Negligible
		Macaranga hullettii	Euphorbiaceae	Native	Critically Endanger	Tree	High	Low	Low	Almost certain	**Moderate**	Negligible	Very low	Unlikely	Negligible
		Macaranga hypoleuca	Euphorbiaceae	Native	Common	Tree	Medium	Low	Very low	Almost certain	Minor	Negligible	Imperceptible	Unlikely	Negligible
		Nephrolepis cf. acutifolia	Oleandraceae	Native	Endangered	Epiphyte	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Oncosperma tigillarium	Arecaceae	Native	Vulnerable	Shrub	High	Low	Low	Almost certain	**Moderate**	Low	Low	Almost certain	**Moderate**
		Palaquium obovatum	Sapotaceae	Native	Vulnerable	Tree	High	High	High	Almost certain	**Major**	Negligible	Very low	Unlikely	Negligible
		Pellacalyx axillaris	Rhizophoraceae	Native	Endangered	Tree	High	High	High	Almost certain	**Major**	Negligible	Very low	Unlikely	Negligible
		Peltophorum pterocarpum	Fabaceae	Native	Critically Endanger	Tree	Medium	Low	Very low	Almost certain	Minor	Low	Very low	Almost certain	Minor
		Phlegmariurus carinatus	Lycopodiaceae	Native	Presumed Extinct	Epiphyte	High	High	High	Almost certain	**Major**	Negligible	Very low	Unlikely	Negligible
		Piper pedicellosum	Piperaceae	Native	Critically Endanger	Climber	High	Low	Low	Almost certain	**Moderate**	Low	Low	Almost certain	**Moderate**
		Planchonella obovata	Sapotaceae	Native	Vulnerable	Tree	High	Low	Low	Almost certain	**Moderate**	Low	Low	Almost certain	**Moderate**
		Psychotria sarmentosa	Rubiaceae	Native	Critically Endanger	Climber	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Pternandra caerulescens	Melastomataceae	Native	Vulnerable	Tree	High	Medium	Medium	Almost certain	**Major**	Negligible	Very low	Unlikely	Negligible
		Rhodamnia cinerea	Myrtaceae	Native	Common	Tree	Medium	High	Medium	Almost certain	**Major**	Negligible	Imperceptible	Unlikely	Negligible
		Samanea saman	Fabaceae	Exotic	Casual	Tree	Medium	Low	Very low	Almost certain	Minor	Low	Very low	Almost certain	Minor
		Senna siamea	Fabaceae	Exotic	Cultivated Only	Tree	Low	Low	Very low	Almost certain	Minor	Low	Very low	Almost certain	Minor
		Spathodea campanulata	Bignoniaceae	Exotic	Naturalised	Tree	Low	Low	Very low	Almost certain	Minor	Low	Very low	Almost certain	Minor
		Sterculia macrophylla	Malvaceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Unlikely	Negligible	High	High	Almost certain	**Major**
		Sterculia parviflora	Malvaceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Strophanthus caudatus	Apocynaceae	Native	Endangered	Climber	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Symplocos fasciculata	Symplocaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Syzygium cf. *fastigiatum*	Myrtaceae	Not assessed	-	Tree	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Syzygium cf. *pustulatum*	Myrtaceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Syzygium lineatum	Myrtaceae	Native	Common	Tree	Medium	Medium	Low	Almost certain	**Moderate**	Low	Very low	Almost certain	Minor
		Thyrsostachys siamensis	Poaceae	Exotic	Casual	Shrub	High	Negligible	Very low	Unlikely	Negligible	Medium	Medium	Almost certain	**Major**
		Uncaria longiflora var. *pteropo*	Rubiaceae	Native	Critically Endanger	Climber	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Vitex pinnata	Lamiaceae	Native	Common	Tree	Medium	Low	Very low	Almost certain	Minor	Negligible	Imperceptible	Unlikely	Negligible
		Xanthophyllum ellipticum	Polygalaceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Xanthophyllum eurhynchum	Polygalaceae	Native	Vulnerable	Shrub	High	Medium	Medium	Almost certain	**Major**	Negligible	Very low	Unlikely	Negligible
	Impediment to seedling recruitment	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	Low	Negligible	Imperceptible	Possible	Negligible	Low	Very low	Possible	Minor
		Actinodaphne macrophylla	Lauraceae	Native	Presumed Extinct	Tree	High	Negligible	Very low	Possible	Minor	Medium	Medium	Possible	**Moderate**
		Agelaea borneensis	Connaraceae	Native	Vulnerable	Climber	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Alsophila latebrosa	Cyatheaceae	Native	Vulnerable	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Amphineuron opulentum	Thelypteridaceae	Native	Endangered	Climber	High	Negligible	Very low	Possible	Minor	Low	Low	Possible	Minor
		Angiopteris evecta	Marattiaceae	Native	Vulnerable	Herb	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Aporosa benthamiana	Phyllanthaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Aporosa lucida var. *lucida*	Phyllanthaceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Aporosa nigricans	Phyllanthaceae	Native	Endangered	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Archidendron jiringa	Fabaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Aristolochia acuminata	Aristolochiaceae	Exotic	Cultivated Only	Climber	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Artabotrys suaveolens	Annonaceae	Native	Endangered	Climber	High	Negligible	Very low	Possible	Minor	Low	Low	Possible	Minor
		Arthrophyllum diversifolium	Araliaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Possible	Negligible	Negligible	Imperceptible	Possible	Negligible
		Aspidopterys concava	Malpighiaceae	Native	Endangered	Climber	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Asplenium nitidum	Aspleniaceae	Native	Presumed Extinct	Epiphyte	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible

								Pre-mitigated				Post-mitigated (residual)			
Phase	Impact type	Species	Family	Origin	Status	Habit	Sensitivity	Impact intensity	Consequence	Likelihood	Impact significance	Impact intensity	Consequence	Likelihood	Impact significance
		Baccaurea pyriformis	Phyllanthaceae	Native	Presumed Extinct	Tree	High	Negligible	Very low	Possible	Minor	Low	Low	Possible	Minor
		Bambusa vulgaris	Poaceae	Exotic	Casual	Shrub	High	Negligible	Very low	Almost certain	Minor	Negligible	Very low	Almost certain	Minor
		Bridelia stipularis	Phyllanthaceae	Native	Vulnerable	Shrub	High	Negligible	Very low	Possible	Minor	Low	Low	Possible	Minor
		Bridelia tomentosa	Phyllanthaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Possible	Negligible	Low	Very low	Possible	Minor
		Bulbophyllum vaginatum	Orchidaceae	Native	Endangered	Epiphyte	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Calophyllum inophyllum	Calophyllaceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Calophyllum rubiginosum	Calophyllaceae	Native	Endangered	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Calophyllum tetrapterum	Calophyllaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Possible	Minor	Low	Low	Possible	Minor
		Carallia brachiata	Rhizophoraceae	Native	Endangered	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		cf. *Asplenium nitidum*	Aspleniaceae	Native	Presumed Extinct	Epiphyte	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		cf. *Dibridsonia conferta*	Rubiaceae	Native	Endangered	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Cinnamomum iners	Lauraceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Possible	Negligible	Low	Very low	Possible	Minor
		Claoxylon indicum	Euphorbiaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Possible	Negligible	Low	Very low	Possible	Minor
		Commersonia bartramia	Malvaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Possible	Negligible	High	Medium	Possible	**Moderate**
		Connarus semidecandrus	Connaraceae	Native	Critically Endanger	Climber	High	Negligible	Very low	Possible	Minor	Low	Low	Possible	Minor
		Cyrtophyllum fragrans	Gentianaceae	Native	Common	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Dacryodes cf. *rostrata*	Burseraceae	Native	Vulnerable	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Delonix regia	Fabaceae	Exotic	Cultivated Only	Tree	Low	Negligible	Imperceptible	Possible	Negligible	Negligible	Imperceptible	Possible	Negligible
		Dillenia sp.	Dilleniaceae	-	-	-	Medium	Negligible	Imperceptible	Possible	Negligible	Negligible	Imperceptible	Possible	Negligible
		Elaeis guineensis	Arecaceae	Exotic	Cultivated Only	Tree	Low	Negligible	Imperceptible	Possible	Negligible	Low	Very low	Possible	Minor
		Endospermum sp.	Euphorbiaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Erythrophleum suaveolens	Fabaceae	Exotic	Cultivated Only	Tree	Low	Negligible	Imperceptible	Possible	Negligible	Low	Very low	Possible	Minor
		Falcataria moluccana	Fabaceae	Exotic	Naturalised	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Ficus aurata var. *aurata*	Moraceae	Native	Vulnerable	Tree	High	Low	Low	Possible	Minor	Medium	Medium	Possible	**Moderate**
		Ficus barteri	Moraceae	Exotic	Cultivated Only	Tree	High	Negligible	Very low	Possible	Minor	High	High	Possible	**Moderate**
		Ficus benjamina	Moraceae	Cryptogenic	-	Strangler	High	Negligible	Very low	Possible	Minor	Low	Low	Possible	Minor
		Ficus fistulosa	Moraceae	Native	Common	Tree	High	Negligible	Very low	Possible	Minor	Low	Low	Possible	Minor
		Ficus glandulifera	Moraceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Possible	Minor	High	High	Possible	**Moderate**
		Ficus globosa	Moraceae	Native	Endangered	Shrub	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Ficus grossularioides var. *gros*	Moraceae	Native	Common	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Ficus heteropleura	Moraceae	Native	Common	Climber	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Ficus hispida	Moraceae	Exotic	Naturalised	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Ficus kerkhovenii	Moraceae	Native	Critically Endanger	Strangler	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Ficus lyrata	Moraceae	Exotic	Cultivated Only	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Ficus microcarpa	Moraceae	Native	Common	Strangler	High	Negligible	Very low	Possible	Minor	Low	Low	Possible	Minor
		Ficus punctata	Moraceae	Native	Common	Climber	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Ficus religiosa	Moraceae	Exotic	Naturalised	Strangler	High	Negligible	Very low	Possible	Minor	Low	Low	Possible	Minor
		Ficus variegata	Moraceae	Native	Common	Tree	High	Negligible	Very low	Possible	Minor	Low	Low	Possible	Minor
		Gliricidia sepium	Fabaceae	Exotic	Casual	Tree	Low	Negligible	Imperceptible	Possible	Negligible	High	Low	Possible	Minor
		Goniophlebium percussum	Polypodiaceae	Native	Vulnerable	Epiphyte	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Guioa pleuropteris	Sapindaceae	Native	Vulnerable	Shrub	High	Negligible	Very low	Possible	Minor	Low	Low	Possible	Minor
		Guioa pubescens	Sapindaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Possible	Minor	Low	Low	Possible	Minor
		Gymnacranthera farquhariana	Myristicaceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Possible	Minor	High	High	Possible	**Moderate**
		Horsfieldia polyspherula	Myristicaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Possible	Minor	Low	Low	Possible	Minor
		Ixonanthes reticulata	Ixonanthaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Possible	Negligible	Negligible	Imperceptible	Possible	Negligible
		Leucaena leucocephala	Fabaceae	Exotic	Naturalised	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Litsea elliptica	Lauraceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Possible	Negligible	Negligible	Imperceptible	Possible	Negligible
		Litsea firma	Lauraceae	Native	Vulnerable	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Lygodium longifolium	Schizaeaceae	Native	Vulnerable	Climber	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Macaranga gigantea	Euphorbiaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Possible	Negligible	Low	Very low	Possible	Minor
		Macaranga griffithiana	Euphorbiaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Macaranga hullettii	Euphorbiaceae	Native	Critically Endanger	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Macaranga hypoleuca	Euphorbiaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Possible	Negligible	Low	Very low	Possible	Minor
		Nephrolepis cf. acutifolia	Oleandraceae	Native	Endangered	Epiphyte	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Oncosperma tigillarium	Arecaceae	Native	Vulnerable	Shrub	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor

								Pre-mitigated				Post-mitigated (residual)			
Phase	Impact type	Species	Family	Origin	Status	Habit	Sensitivity	Impact intensity	Consequence	Likelihood	Impact significance	Impact intensity	Consequence	Likelihood	Impact significance
		Palaquium obovatum	Sapotaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Pellacalyx axillaris	Rhizophoraceae	Native	Endangered	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Peltophorum pterocarpum	Fabaceae	Native	Critically Endanger	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Phlegmariurus carinatus	Lycopodiaceae	Native	Presumed Extinct	Epiphyte	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Piper pedicellosum	Piperaceae	Native	Critically Endanger	Climber	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Planchonella obovata	Sapotaceae	Native	Vulnerable	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Psychotria sarmentosa	Rubiaceae	Native	Critically Endanger	Climber	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Pternandra caerulescens	Melastomataceae	Native	Vulnerable	Tree	High	Negligible	Very low	Possible	Minor	Medium	Medium	Possible	**Moderate**
		Rhodamnia cinerea	Myrtaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Possible	Negligible	Negligible	Imperceptible	Possible	Negligible
		Samanea saman	Fabaceae	Exotic	Casual	Tree	Medium	Negligible	Imperceptible	Possible	Negligible	Low	Very low	Possible	Minor
		Senna siamea	Fabaceae	Exotic	Cultivated Only	Tree	Low	Negligible	Imperceptible	Possible	Negligible	Negligible	Imperceptible	Possible	Negligible
		Spathodea campanulata	Bignoniaceae	Exotic	Naturalised	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Sterculia macrophylla	Malvaceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Sterculia parviflora	Malvaceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Possible	Minor	High	High	Possible	**Moderate**
		Strophanthus caudatus	Apocynaceae	Native	Endangered	Climber	High	Negligible	Very low	Possible	Minor	High	High	Possible	**Moderate**
		Symplocos fasciculata	Symplocaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Syzygium cf. *fastigiatum*	Myrtaceae	Not assessed	-	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Syzygium cf. *pustulatum*	Myrtaceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Syzygium lineatum	Myrtaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Possible	Negligible	Low	Very low	Possible	Minor
		Thyrsostachys siamensis	Poaceae	Exotic	Casual	Shrub	High	Negligible	Very low	Almost certain	Minor	Medium	Medium	Almost certain	**Moderate**
		Uncaria longiflora var. *pteropo*	Rubiaceae	Native	Critically Endanger	Climber	High	High	High	Possible	**Moderate**	High	High	Possible	**Moderate**
		Vitex pinnata	Lamiaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Possible	Negligible	Negligible	Imperceptible	Possible	Negligible
		Xanthophyllum ellipticum	Polygalaceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Xanthophyllum eurhynchum	Polygalaceae	Native	Vulnerable	Shrub	High	Negligible	Very low	Possible	Minor	Medium	Medium	Possible	**Moderate**
	Competition from exotic plant species	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	Low	Negligible	Imperceptible	Likely	Negligible	Low	Very low	Likely	Minor
		Actinodaphne macrophylla	Lauraceae	Native	Presumed Extinct	Tree	High	Negligible	Very low	Likely	Minor	Medium	Medium	Likely	**Moderate**
		Agelaea borneensis	Connaraceae	Native	Vulnerable	Climber	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Alsophila latebrosa	Cyatheaceae	Native	Vulnerable	Tree	High	Low	Low	Likely	**Moderate**	Low	Low	Likely	**Moderate**
		Amphineuron opulentum	Thelypteridaceae	Native	Endangered	Climber	High	Negligible	Very low	Likely	Minor	Low	Low	Likely	**Moderate**
		Angiopteris evecta	Marattiaceae	Native	Vulnerable	Herb	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Aporosa benthamiana	Phyllanthaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Aporosa lucida var. *lucida*	Phyllanthaceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Aporosa nigricans	Phyllanthaceae	Native	Endangered	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Archidendron jiringa	Fabaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Aristolochia acuminata	Aristolochiaceae	Exotic	Cultivated Only	Climber	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Artabotrys suaveolens	Annonaceae	Native	Endangered	Climber	High	Negligible	Very low	Likely	Minor	Low	Low	Likely	**Moderate**
		Arthrophyllum diversifolium	Araliaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Likely	Negligible	Negligible	Imperceptible	Likely	Negligible
		Aspidopterys concava	Malpighiaceae	Native	Endangered	Climber	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Asplenium nitidum	Aspleniaceae	Native	Presumed Extinct	Epiphyte	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Baccaurea pyriformis	Phyllanthaceae	Native	Presumed Extinct	Tree	High	Negligible	Very low	Likely	Minor	Low	Low	Likely	**Moderate**
		Bambusa vulgaris	Poaceae	Exotic	Casual	Shrub	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Bridelia stipularis	Phyllanthaceae	Native	Vulnerable	Shrub	High	Negligible	Very low	Likely	Minor	Low	Low	Likely	**Moderate**
		Bridelia tomentosa	Phyllanthaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Likely	Negligible	Low	Very low	Likely	Minor
		Bulbophyllum vaginatum	Orchidaceae	Native	Endangered	Epiphyte	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Calophyllum inophyllum	Calophyllaceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Calophyllum rubiginosum	Calophyllaceae	Native	Endangered	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Calophyllum tetrapterum	Calophyllaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Likely	Minor	Low	Low	Likely	**Moderate**
		Carallia brachiata	Rhizophoraceae	Native	Endangered	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		cf. *Asplenium nitidum*	Aspleniaceae	Native	Presumed Extinct	Epiphyte	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		cf. *Dibridsonia conferta*	Rubiaceae	Native	Endangered	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Cinnamomum iners	Lauraceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Likely	Negligible	Low	Very low	Likely	Minor
		Claoxylon indicum	Euphorbiaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Likely	Negligible	Low	Very low	Likely	Minor
		Commersonia bartramia	Malvaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Likely	Negligible	High	Medium	Likely	**Moderate**
		Connarus semidecandrus	Connaraceae	Native	Critically Endanger	Climber	High	Negligible	Very low	Likely	Minor	Low	Low	Likely	**Moderate**
		Cyrtophyllum fragrans	Gentianaceae	Native	Common	Tree	Medium	Low	Very low	Likely	Minor	Low	Very low	Likely	Minor

								Pre-mitigated				Post-mitigated (residual)			
Phase	Impact type	Species	Family	Origin	Status	Habit	Sensitivity	Impact intensity	Consequence	Likelihood	Impact significance	Impact intensity	Consequence	Likelihood	Impact significance
		Dacryodes cf. *rostrata*	Burseraceae	Native	Vulnerable	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Delonix regia	Fabaceae	Exotic	Cultivated Only	Tree	Low	Negligible	Imperceptible	Likely	Negligible	Negligible	Imperceptible	Likely	Negligible
		Dillenia sp.	Dilleniaceae	-	-	-	Medium	Negligible	Imperceptible	Likely	Negligible	Negligible	Imperceptible	Likely	Negligible
		Elaeis guineensis	Arecaceae	Exotic	Cultivated Only	Tree	Low	Negligible	Imperceptible	Likely	Negligible	Low	Very low	Likely	Minor
		Endospermum sp.	Euphorbiaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Erythrophleum suaveolens	Fabaceae	Exotic	Cultivated Only	Tree	Low	Negligible	Imperceptible	Likely	Negligible	Low	Very low	Likely	Minor
		Falcataria moluccana	Fabaceae	Exotic	Naturalised	Tree	Low	Low	Very low	Likely	Minor	Low	Very low	Likely	Minor
		Ficus aurata var. *aurata*	Moraceae	Native	Vulnerable	Tree	High	Low	Low	Likely	**Moderate**	Medium	Medium	Likely	**Moderate**
		Ficus barteri	Moraceae	Exotic	Cultivated Only	Tree	High	Negligible	Very low	Likely	Minor	High	High	Likely	**Moderate**
		Ficus benjamina	Moraceae	Cryptogenic	-	Strangler	High	Negligible	Very low	Likely	Minor	Low	Low	Likely	**Moderate**
		Ficus fistulosa	Moraceae	Native	Common	Tree	High	Negligible	Very low	Likely	Minor	Low	Low	Likely	**Moderate**
		Ficus glandulifera	Moraceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Likely	Minor	High	High	Likely	**Moderate**
		Ficus globosa	Moraceae	Native	Endangered	Shrub	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Ficus grossularioides var. *gros*	Moraceae	Native	Common	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Ficus heteropleura	Moraceae	Native	Common	Climber	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Ficus hispida	Moraceae	Exotic	Naturalised	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Ficus kerkhovenii	Moraceae	Native	Critically Endanger	Strangler	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Ficus lyrata	Moraceae	Exotic	Cultivated Only	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Ficus microcarpa	Moraceae	Native	Common	Strangler	High	Negligible	Very low	Likely	Minor	Low	Low	Likely	**Moderate**
		Ficus punctata	Moraceae	Native	Common	Climber	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Ficus religiosa	Moraceae	Exotic	Naturalised	Strangler	High	Negligible	Very low	Likely	Minor	Low	Low	Likely	**Moderate**
		Ficus variegata	Moraceae	Native	Common	Tree	High	Negligible	Very low	Likely	Minor	Low	Low	Likely	**Moderate**
		Gliricidia sepium	Fabaceae	Exotic	Casual	Tree	Low	Negligible	Imperceptible	Likely	Negligible	High	Low	Likely	**Moderate**
		Goniophlebium percussum	Polypodiaceae	Native	Vulnerable	Epiphyte	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Guioa pleuropteris	Sapindaceae	Native	Vulnerable	Shrub	High	Negligible	Very low	Likely	Minor	Low	Low	Likely	**Moderate**
		Guioa pubescens	Sapindaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Likely	Minor	Low	Low	Likely	**Moderate**
		Gymnacranthera farquhariana	Myristicaceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Likely	Minor	High	High	Likely	**Moderate**
		Horsfieldia polyspherula	Myristicaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Likely	Minor	Low	Low	Likely	**Moderate**
		Ixonanthes reticulata	Ixonanthaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Likely	Negligible	Negligible	Imperceptible	Likely	Negligible
		Leucaena leucocephala	Fabaceae	Exotic	Naturalised	Tree	Low	Low	Very low	Likely	Minor	Low	Very low	Likely	Minor
		Litsea elliptica	Lauraceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Likely	Negligible	Negligible	Imperceptible	Likely	Negligible
		Litsea firma	Lauraceae	Native	Vulnerable	Tree	High	Low	Low	Likely	**Moderate**	Low	Low	Likely	**Moderate**
		Lygodium longifolium	Schizaeaceae	Native	Vulnerable	Climber	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Macaranga gigantea	Euphorbiaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Likely	Negligible	Low	Very low	Likely	Minor
		Macaranga griffithiana	Euphorbiaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Macaranga hullettii	Euphorbiaceae	Native	Critically Endanger	Tree	High	Low	Low	Likely	**Moderate**	Low	Low	Likely	**Moderate**
		Macaranga hypoleuca	Euphorbiaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Likely	Negligible	Low	Very low	Likely	Minor
		Nephrolepis cf. acutifolia	Oleandraceae	Native	Endangered	Epiphyte	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Oncosperma tigillarium	Arecaceae	Native	Vulnerable	Shrub	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Palaquium obovatum	Sapotaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Pellacalyx axillaris	Rhizophoraceae	Native	Endangered	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Peltophorum pterocarpum	Fabaceae	Native	Critically Endanger	Tree	Medium	Low	Very low	Less likely	Negligible	Low	Very low	Less likely	Negligible
		Phlegmariurus carinatus	Lycopodiaceae	Native	Presumed Extinct	Epiphyte	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Piper pedicellosum	Piperaceae	Native	Critically Endanger	Climber	High	Low	Low	Likely	**Moderate**	Low	Low	Likely	**Moderate**
		Planchonella obovata	Sapotaceae	Native	Vulnerable	Tree	High	Low	Low	Likely	**Moderate**	Low	Low	Likely	**Moderate**
		Psychotria sarmentosa	Rubiaceae	Native	Critically Endanger	Climber	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Pternandra caerulescens	Melastomataceae	Native	Vulnerable	Tree	High	Negligible	Very low	Likely	Minor	Medium	Medium	Likely	**Moderate**
		Rhodamnia cinerea	Myrtaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Likely	Negligible	Negligible	Imperceptible	Likely	Negligible
		Samanea saman	Fabaceae	Exotic	Casual	Tree	Medium	Negligible	Imperceptible	Likely	Negligible	Low	Very low	Likely	Minor
		Senna siamea	Fabaceae	Exotic	Cultivated Only	Tree	Low	Negligible	Imperceptible	Likely	Negligible	Negligible	Imperceptible	Likely	Negligible
		Spathodea campanulata	Bignoniaceae	Exotic	Naturalised	Tree	Low	Low	Very low	Likely	Minor	Low	Very low	Likely	Minor
		Sterculia macrophylla	Malvaceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Sterculia parviflora	Malvaceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Likely	Minor	High	High	Likely	**Moderate**
		Strophanthus caudatus	Apocynaceae	Native	Endangered	Climber	High	Negligible	Very low	Likely	Minor	High	High	Likely	**Moderate**
		Symplocos fasciculata	Symplocaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor

								Pre-mitigated				Post-mitigated (residual)			
Phase	Impact type	Species	Family	Origin	Status	Habit	Sensitivity	Impact intensity	Consequence	Likelihood	Impact significance	Impact intensity	Consequence	Likelihood	Impact significance
		Syzygium cf. *fastigiatum*	Myrtaceae	Not assessed	-	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Syzygium cf. *pustulatum*	Myrtaceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Syzygium lineatum	Myrtaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Likely	Negligible	Low	Very low	Likely	Minor
		Thyrsostachys siamensis	Poaceae	Exotic	Casual	Shrub	High	Negligible	Very low	Likely	Minor	Medium	Medium	Likely	**Moderate**
		Uncaria longiflora var. *pteropo*	Rubiaceae	Native	Critically Endanger	Climber	High	High	High	Less likely	Minor	High	High	Less likely	Minor
		Vitex pinnata	Lamiaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Likely	Negligible	Negligible	Imperceptible	Likely	Negligible
		Xanthophyllum ellipticum	Polygalaceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Xanthophyllum eurhynchum	Polygalaceae	Native	Vulnerable	Shrub	High	Negligible	Very low	Likely	Minor	Medium	Medium	Likely	**Moderate**
	Decline in plant health and survival	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	Low	Negligible	Imperceptible	Likely	Negligible	Low	Very low	Likely	Minor
		Actinodaphne macrophylla	Lauraceae	Native	Presumed Extinct	Tree	High	Negligible	Very low	Likely	Minor	Medium	Medium	Likely	**Moderate**
		Agelaea borneensis	Connaraceae	Native	Vulnerable	Climber	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Alsophila latebrosa	Cyatheaceae	Native	Vulnerable	Tree	High	Low	Low	Likely	**Moderate**	Low	Low	Likely	**Moderate**
		Amphineuron opulentum	Thelypteridaceae	Native	Endangered	Climber	High	Negligible	Very low	Likely	Minor	Low	Low	Likely	**Moderate**
		Angiopteris evecta	Marattiaceae	Native	Vulnerable	Herb	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Aporosa benthamiana	Phyllanthaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Aporosa lucida var. *lucida*	Phyllanthaceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Aporosa nigricans	Phyllanthaceae	Native	Endangered	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Archidendron jiringa	Fabaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Aristolochia acuminata	Aristolochiaceae	Exotic	Cultivated Only	Climber	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Artabotrys suaveolens	Annonaceae	Native	Endangered	Climber	High	Negligible	Very low	Likely	Minor	Low	Low	Likely	**Moderate**
		Arthrophyllum diversifolium	Araliaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Likely	Negligible	Negligible	Imperceptible	Likely	Negligible
		Aspidopterys concava	Malpighiaceae	Native	Endangered	Climber	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Asplenium nitidum	Aspleniaceae	Native	Presumed Extinct	Epiphyte	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Baccaurea pyriformis	Phyllanthaceae	Native	Presumed Extinct	Tree	High	Negligible	Very low	Likely	Minor	Low	Low	Likely	**Moderate**
		Bambusa vulgaris	Poaceae	Exotic	Casual	Shrub	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Bridelia stipularis	Phyllanthaceae	Native	Vulnerable	Shrub	High	Negligible	Very low	Likely	Minor	Low	Low	Likely	**Moderate**
		Bridelia tomentosa	Phyllanthaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Likely	Negligible	Low	Very low	Likely	Minor
		Bulbophyllum vaginatum	Orchidaceae	Native	Endangered	Epiphyte	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Calophyllum inophyllum	Calophyllaceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Calophyllum rubiginosum	Calophyllaceae	Native	Endangered	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Calophyllum tetrapterum	Calophyllaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Likely	Minor	Low	Low	Likely	**Moderate**
		Carallia brachiata	Rhizophoraceae	Native	Endangered	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		cf. *Asplenium nitidum*	Aspleniaceae	Native	Presumed Extinct	Epiphyte	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		cf. *Dibridsonia conferta*	Rubiaceae	Native	Endangered	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Cinnamomum iners	Lauraceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Likely	Negligible	Low	Very low	Likely	Minor
		Claoxylon indicum	Euphorbiaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Likely	Negligible	Low	Very low	Likely	Minor
		Commersonia bartramia	Malvaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Likely	Negligible	High	Medium	Likely	**Moderate**
		Connarus semidecandrus	Connaraceae	Native	Critically Endanger	Climber	High	Negligible	Very low	Likely	Minor	Low	Low	Likely	**Moderate**
		Cyrtophyllum fragrans	Gentianaceae	Native	Common	Tree	Medium	Low	Very low	Likely	Minor	Low	Very low	Likely	Minor
		Dacryodes cf. *rostrata*	Burseraceae	Native	Vulnerable	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Delonix regia	Fabaceae	Exotic	Cultivated Only	Tree	Low	Negligible	Imperceptible	Likely	Negligible	Negligible	Imperceptible	Likely	Negligible
		Dillenia sp.	Dilleniaceae	-	-	-	Medium	Negligible	Imperceptible	Likely	Negligible	Negligible	Imperceptible	Likely	Negligible
		Elaeis guineensis	Arecaceae	Exotic	Cultivated Only	Tree	Low	Negligible	Imperceptible	Likely	Negligible	Low	Very low	Likely	Minor
		Endospermum sp.	Euphorbiaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Erythrophleum suaveolens	Fabaceae	Exotic	Cultivated Only	Tree	Low	Negligible	Imperceptible	Likely	Negligible	Low	Very low	Likely	Minor
		Falcataria moluccana	Fabaceae	Exotic	Naturalised	Tree	Low	Low	Very low	Likely	Minor	Low	Very low	Likely	Minor
		Ficus aurata var. *aurata*	Moraceae	Native	Vulnerable	Tree	High	Low	Low	Likely	**Moderate**	Medium	Medium	Likely	**Moderate**
		Ficus barteri	Moraceae	Exotic	Cultivated Only	Tree	High	Negligible	Very low	Likely	Minor	High	High	Likely	**Moderate**
		Ficus benjamina	Moraceae	Cryptogenic	-	Strangler	High	Negligible	Very low	Likely	Minor	Low	Low	Likely	**Moderate**
		Ficus fistulosa	Moraceae	Native	Common	Tree	High	Negligible	Very low	Likely	Minor	Low	Low	Likely	**Moderate**
		Ficus glandulifera	Moraceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Likely	Minor	High	High	Likely	**Moderate**
		Ficus globosa	Moraceae	Native	Endangered	Shrub	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Ficus grossularioides var. *gros*	Moraceae	Native	Common	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Ficus heteropleura	Moraceae	Native	Common	Climber	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Ficus hispida	Moraceae	Exotic	Naturalised	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor

								Pre-mitigated				Post-mitigated (residual)			
Phase	Impact type	Species	Family	Origin	Status	Habit	Sensitivity	Impact intensity	Consequence	Likelihood	Impact significance	Impact intensity	Consequence	Likelihood	Impact significance
		Ficus kerkhovenii	Moraceae	Native	Critically Endanger	Strangler	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Ficus lyrata	Moraceae	Exotic	Cultivated Only	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Ficus microcarpa	Moraceae	Native	Common	Strangler	High	Negligible	Very low	Likely	Minor	Low	Low	Likely	**Moderate**
		Ficus punctata	Moraceae	Native	Common	Climber	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Ficus religiosa	Moraceae	Exotic	Naturalised	Strangler	High	Negligible	Very low	Likely	Minor	Low	Low	Likely	**Moderate**
		Ficus variegata	Moraceae	Native	Common	Tree	High	Negligible	Very low	Likely	Minor	Low	Low	Likely	**Moderate**
		Gliricidia sepium	Fabaceae	Exotic	Casual	Tree	Low	Negligible	Imperceptible	Likely	Negligible	High	Low	Likely	**Moderate**
		Goniophlebium percussum	Polypodiaceae	Native	Vulnerable	Epiphyte	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Guioa pleuropteris	Sapindaceae	Native	Vulnerable	Shrub	High	Negligible	Very low	Likely	Minor	Low	Low	Likely	**Moderate**
		Guioa pubescens	Sapindaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Likely	Minor	Low	Low	Likely	**Moderate**
		Gymnacranthera farquhariana	Myristicaceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Likely	Minor	High	High	Likely	**Moderate**
		Horsfieldia polyspherula	Myristicaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Likely	Minor	Low	Low	Likely	**Moderate**
		Ixonanthes reticulata	Ixonanthaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Likely	Negligible	Negligible	Imperceptible	Likely	Negligible
		Leucaena leucocephala	Fabaceae	Exotic	Naturalised	Tree	Low	Low	Very low	Likely	Minor	Low	Very low	Likely	Minor
		Litsea elliptica	Lauraceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Likely	Negligible	Negligible	Imperceptible	Likely	Negligible
		Litsea firma	Lauraceae	Native	Vulnerable	Tree	High	Low	Low	Likely	**Moderate**	Low	Low	Likely	**Moderate**
		Lygodium longifolium	Schizaeaceae	Native	Vulnerable	Climber	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Macaranga gigantea	Euphorbiaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Likely	Negligible	Low	Very low	Likely	Minor
		Macaranga griffithiana	Euphorbiaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Macaranga hullettii	Euphorbiaceae	Native	Critically Endanger	Tree	High	Low	Low	Likely	**Moderate**	Low	Low	Likely	**Moderate**
		Macaranga hypoleuca	Euphorbiaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Likely	Negligible	Low	Very low	Likely	Minor
		Nephrolepis cf. acutifolia	Oleandraceae	Native	Endangered	Epiphyte	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Oncosperma tigillarium	Arecaceae	Native	Vulnerable	Shrub	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Palaquium obovatum	Sapotaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Pellacalyx axillaris	Rhizophoraceae	Native	Endangered	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Peltophorum pterocarpum	Fabaceae	Native	Critically Endanger	Tree	Medium	Low	Very low	Less likely	Negligible	Low	Very low	Less likely	Negligible
		Phlegmariurus carinatus	Lycopodiaceae	Native	Presumed Extinct	Epiphyte	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Piper pedicellosum	Piperaceae	Native	Critically Endanger	Climber	High	Low	Low	Likely	**Moderate**	Low	Low	Likely	**Moderate**
		Planchonella obovata	Sapotaceae	Native	Vulnerable	Tree	High	Low	Low	Likely	**Moderate**	Low	Low	Likely	**Moderate**
		Psychotria sarmentosa	Rubiaceae	Native	Critically Endanger	Climber	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Pternandra caerulescens	Melastomataceae	Native	Vulnerable	Tree	High	Negligible	Very low	Likely	Minor	Medium	Medium	Likely	**Moderate**
		Rhodamnia cinerea	Myrtaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Likely	Negligible	Negligible	Imperceptible	Likely	Negligible
		Samanea saman	Fabaceae	Exotic	Casual	Tree	Medium	Negligible	Imperceptible	Likely	Negligible	Low	Very low	Likely	Minor
		Senna siamea	Fabaceae	Exotic	Cultivated Only	Tree	Low	Negligible	Imperceptible	Likely	Negligible	Negligible	Imperceptible	Likely	Negligible
		Spathodea campanulata	Bignoniaceae	Exotic	Naturalised	Tree	Low	Low	Very low	Likely	Minor	Low	Very low	Likely	Minor
		Sterculia macrophylla	Malvaceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Sterculia parviflora	Malvaceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Likely	Minor	High	High	Likely	**Moderate**
		Strophanthus caudatus	Apocynaceae	Native	Endangered	Climber	High	Negligible	Very low	Likely	Minor	High	High	Likely	**Moderate**
		Symplocos fasciculata	Symplocaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Syzygium cf. *fastigiatum*	Myrtaceae	Not assessed	-	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Syzygium cf. *pustulatum*	Myrtaceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Syzygium lineatum	Myrtaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Likely	Negligible	Low	Very low	Likely	Minor
		Thyrsostachys siamensis	Poaceae	Exotic	Casual	Shrub	High	Negligible	Very low	Likely	Minor	Medium	Medium	Likely	**Moderate**
		Uncaria longiflora var. *pteropo*	Rubiaceae	Native	Critically Endanger	Climber	High	High	High	Less likely	Minor	High	High	Less likely	Minor
		Vitex pinnata	Lamiaceae	Native	Common	Tree	Medium	Negligible	Imperceptible	Likely	Negligible	Negligible	Imperceptible	Likely	Negligible
		Xanthophyllum ellipticum	Polygalaceae	Native	Critically Endanger	Tree	High	Negligible	Very low	Likely	Minor	Negligible	Very low	Likely	Minor
		Xanthophyllum eurhynchum	Polygalaceae	Native	Vulnerable	Shrub	High	Negligible	Very low	Likely	Minor	Medium	Medium	Likely	**Moderate**
Operational	Mortality	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Actinodaphne macrophylla	Lauraceae	Native	Presumed Extinct	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Agelaea borneensis	Connaraceae	Native	Vulnerable	Climber	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Alsophila latebrosa	Cyatheaceae	Native	Vulnerable	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Amphineuron opulentum	Thelypteridaceae	Native	Endangered	Climber	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Angiopteris evecta	Marattiaceae	Native	Vulnerable	Herb	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Aporosa benthamiana	Phyllanthaceae	Native	Vulnerable	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Aporosa lucida var. *lucida*	Phyllanthaceae	Native	Critically Endanger	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor

								Pre-mitigated				Post-mitigated (residual)			
Phase	Impact type	Species	Family	Origin	Status	Habit	Sensitivity	Impact intensity	Consequence	Likelihood	Impact significance	Impact intensity	Consequence	Likelihood	Impact significance
		Aporosa nigricans	Phyllanthaceae	Native	Endangered	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Archidendron jiringa	Fabaceae	Native	Vulnerable	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Aristolochia acuminata	Aristolochiaceae	Exotic	Cultivated Only	Climber	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Artabotrys suaveolens	Annonaceae	Native	Endangered	Climber	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Arthrophyllum diversifolium	Araliaceae	Native	Common	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Aspidopterys concava	Malpighiaceae	Native	Endangered	Climber	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Asplenium nitidum	Aspleniaceae	Native	Presumed Extinct	Epiphyte	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Baccaurea pyriformis	Phyllanthaceae	Native	Presumed Extinct	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Bambusa vulgaris	Poaceae	Exotic	Casual	Shrub	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Bridelia stipularis	Phyllanthaceae	Native	Vulnerable	Shrub	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Bridelia tomentosa	Phyllanthaceae	Native	Common	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Bulbophyllum vaginatum	Orchidaceae	Native	Endangered	Epiphyte	High	Medium	Medium	Likely	**Moderate**	Medium	Medium	Likely	**Moderate**
		Calophyllum inophyllum	Calophyllaceae	Native	Critically Endanger	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Calophyllum rubiginosum	Calophyllaceae	Native	Endangered	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Calophyllum tetrapterum	Calophyllaceae	Native	Vulnerable	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Carallia brachiata	Rhizophoraceae	Native	Endangered	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		cf. *Asplenium nitidum*	Aspleniaceae	Native	Presumed Extinct	Epiphyte	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		cf. *Dibridsonia conferta*	Rubiaceae	Native	Endangered	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Cinnamomum iners	Lauraceae	Native	Common	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Claoxylon indicum	Euphorbiaceae	Native	Common	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Commersonia bartramia	Malvaceae	Native	Common	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Connarus semidecandrus	Connaraceae	Native	Critically Endanger	Climber	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Cyrtophyllum fragrans	Gentianaceae	Native	Common	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Dacryodes cf. *rostrata*	Burseraceae	Native	Vulnerable	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Delonix regia	Fabaceae	Exotic	Cultivated Only	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Dillenia sp.	Dilleniaceae	-	-	-	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Elaeis guineensis	Arecaceae	Exotic	Cultivated Only	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Endospermum sp.	Euphorbiaceae	Native	Vulnerable	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Erythrophleum suaveolens	Fabaceae	Exotic	Cultivated Only	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Falcataria moluccana	Fabaceae	Exotic	Naturalised	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Ficus aurata var. *aurata*	Moraceae	Native	Vulnerable	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Ficus barteri	Moraceae	Exotic	Cultivated Only	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Ficus benjamina	Moraceae	Cryptogenic	-	Strangler	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Ficus fistulosa	Moraceae	Native	Common	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Ficus glandulifera	Moraceae	Native	Critically Endanger	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Ficus globosa	Moraceae	Native	Endangered	Shrub	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Ficus grossularioides var. *gros*	Moraceae	Native	Common	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Ficus heteropleura	Moraceae	Native	Common	Climber	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Ficus hispida	Moraceae	Exotic	Naturalised	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Ficus kerkhovenii	Moraceae	Native	Critically Endanger	Strangler	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Ficus lyrata	Moraceae	Exotic	Cultivated Only	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Ficus microcarpa	Moraceae	Native	Common	Strangler	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Ficus punctata	Moraceae	Native	Common	Climber	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Ficus religiosa	Moraceae	Exotic	Naturalised	Strangler	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Ficus variegata	Moraceae	Native	Common	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Gliricidia sepium	Fabaceae	Exotic	Casual	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Goniophlebium percussum	Polypodiaceae	Native	Vulnerable	Epiphyte	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Guioa pleuropteris	Sapindaceae	Native	Vulnerable	Shrub	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Guioa pubescens	Sapindaceae	Native	Vulnerable	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Gymnacranthera farquhariana	Myristicaceae	Native	Critically Endanger	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Horsfieldia polyspherula	Myristicaceae	Native	Vulnerable	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Ixonanthes reticulata	Ixonanthaceae	Native	Common	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Leucaena leucocephala	Fabaceae	Exotic	Naturalised	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Litsea elliptica	Lauraceae	Native	Common	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Litsea firma	Lauraceae	Native	Vulnerable	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor

								Pre-mitigated				Post-mitigated (residual)			
Phase	Impact type	Species	Family	Origin	Status	Habit	Sensitivity	Impact intensity	Consequence	Likelihood	Impact significance	Impact intensity	Consequence	Likelihood	Impact significance
		Lygodium longifolium	Schizaeaceae	Native	Vulnerable	Climber	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Macaranga gigantea	Euphorbiaceae	Native	Common	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Macaranga griffithiana	Euphorbiaceae	Native	Vulnerable	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Macaranga hullettii	Euphorbiaceae	Native	Critically Endanger	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Macaranga hypoleuca	Euphorbiaceae	Native	Common	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Nephrolepis cf. acutifolia	Oleandraceae	Native	Endangered	Epiphyte	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Oncosperma tigillarium	Arecaceae	Native	Vulnerable	Shrub	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Palaquium obovatum	Sapotaceae	Native	Vulnerable	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Pellacalyx axillaris	Rhizophoraceae	Native	Endangered	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Peltophorum pterocarpum	Fabaceae	Native	Critically Endanger	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Phlegmariurus carinatus	Lycopodiaceae	Native	Presumed Extinct	Epiphyte	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Piper pedicellosum	Piperaceae	Native	Critically Endanger	Climber	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Planchonella obovata	Sapotaceae	Native	Vulnerable	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Psychotria sarmentosa	Rubiaceae	Native	Critically Endanger	Climber	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Pternandra caerulescens	Melastomataceae	Native	Vulnerable	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Rhodamnia cinerea	Myrtaceae	Native	Common	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Samanea saman	Fabaceae	Exotic	Casual	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Senna siamea	Fabaceae	Exotic	Cultivated Only	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Spathodea campanulata	Bignoniaceae	Exotic	Naturalised	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Sterculia macrophylla	Malvaceae	Native	Critically Endanger	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Sterculia parviflora	Malvaceae	Native	Critically Endanger	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Strophanthus caudatus	Apocynaceae	Native	Endangered	Climber	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Symplocos fasciculata	Symplocaceae	Native	Vulnerable	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Syzygium cf. fastigiatum	Myrtaceae	Not assessed	-	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Syzygium cf. pustulatum	Myrtaceae	Native	Critically Endanger	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Syzygium lineatum	Myrtaceae	Native	Common	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Thyrsostachys siamensis	Poaceae	Exotic	Casual	Shrub	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Uncaria longiflora var. *pteropo*	Rubiaceae	Native	Critically Endanger	Climber	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Vitex pinnata	Lamiaceae	Native	Common	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Xanthophyllum ellipticum	Polygalaceae	Native	Critically Endanger	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Xanthophyllum eurhynchum	Polygalaceae	Native	Vulnerable	Shrub	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
	Competition from exotic species	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	Low	Negligible	Imperceptible	Possible	Negligible	Negligible	Imperceptible	Less likely	Negligible
		Actinodaphne macrophylla	Lauraceae	Native	Presumed Extinct	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Agelaea borneensis	Connaraceae	Native	Vulnerable	Climber	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Alsophila latebrosa	Cyatheaceae	Native	Vulnerable	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Amphineuron opulentum	Thelypteridaceae	Native	Endangered	Climber	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Angiopteris evecta	Marattiaceae	Native	Vulnerable	Herb	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Aporosa benthamiana	Phyllanthaceae	Native	Vulnerable	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Aporosa lucida var. *lucida*	Phyllanthaceae	Native	Critically Endanger	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Aporosa nigricans	Phyllanthaceae	Native	Endangered	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Archidendron jiringa	Fabaceae	Native	Vulnerable	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Aristolochia acuminata	Aristolochiaceae	Exotic	Cultivated Only	Climber	High	Medium	Medium	Possible	**Moderate**	Medium	Medium	Less likely	Minor
		Artabotrys suaveolens	Annonaceae	Native	Endangered	Climber	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Arthrophyllum diversifolium	Araliaceae	Native	Common	Tree	Medium	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Aspidopterys concava	Malpighiaceae	Native	Endangered	Climber	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Asplenium nitidum	Aspleniaceae	Native	Presumed Extinct	Epiphyte	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Baccaurea pyriformis	Phyllanthaceae	Native	Presumed Extinct	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Bambusa vulgaris	Poaceae	Exotic	Casual	Shrub	High	Low	Low	Possible	Minor	Low	Low	Less likely	Minor
		Bridelia stipularis	Phyllanthaceae	Native	Vulnerable	Shrub	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Bridelia tomentosa	Phyllanthaceae	Native	Common	Tree	Medium	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Bulbophyllum vaginatum	Orchidaceae	Native	Endangered	Epiphyte	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Calophyllum inophyllum	Calophyllaceae	Native	Critically Endanger	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Calophyllum rubiginosum	Calophyllaceae	Native	Endangered	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Calophyllum tetrapterum	Calophyllaceae	Native	Vulnerable	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Carallia brachiata	Rhizophoraceae	Native	Endangered	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor

								Pre-mitigated				Post-mitigated (residual)			
Phase	Impact type	Species	Family	Origin	Status	Habit	Sensitivity	Impact intensity	Consequence	Likelihood	Impact significance	Impact intensity	Consequence	Likelihood	Impact significance
		cf. *Asplenium nitidum*	Aspleniaceae	Native	Presumed Extinct	Epiphyte	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		cf. *Dibridsonia conferta*	Rubiaceae	Native	Endangered	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Cinnamomum iners	Lauraceae	Native	Common	Tree	Medium	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Claoxylon indicum	Euphorbiaceae	Native	Common	Tree	Medium	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Commersonia bartramia	Malvaceae	Native	Common	Tree	Medium	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Connarus semidecandrus	Connaraceae	Native	Critically Endanger	Climber	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Cyrtophyllum fragrans	Gentianaceae	Native	Common	Tree	Medium	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Dacryodes cf. *rostrata*	Burseraceae	Native	Vulnerable	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Delonix regia	Fabaceae	Exotic	Cultivated Only	Tree	Low	Medium	Very low	Possible	Minor	Medium	Very low	Less likely	Negligible
		Dillenia sp.	Dilleniaceae	-	-	-	Medium	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Elaeis guineensis	Arecaceae	Exotic	Cultivated Only	Tree	Low	Medium	Very low	Possible	Minor	Medium	Very low	Less likely	Negligible
		Endospermum sp.	Euphorbiaceae	Native	Vulnerable	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Erythrophleum suaveolens	Fabaceae	Exotic	Cultivated Only	Tree	Low	Medium	Very low	Possible	Minor	Medium	Very low	Less likely	Negligible
		Falcataria moluccana	Fabaceae	Exotic	Naturalised	Tree	Low	Negligible	Imperceptible	Possible	Negligible	Negligible	Imperceptible	Less likely	Negligible
		Ficus aurata var. *aurata*	Moraceae	Native	Vulnerable	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Ficus barteri	Moraceae	Exotic	Cultivated Only	Tree	High	Medium	Medium	Possible	**Moderate**	Medium	Medium	Less likely	Minor
		Ficus benjamina	Moraceae	Cryptogenic	-	Strangler	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Less likely	Negligible
		Ficus fistulosa	Moraceae	Native	Common	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Ficus glandulifera	Moraceae	Native	Critically Endanger	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Ficus globosa	Moraceae	Native	Endangered	Shrub	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Ficus grossularioides var. *gros*	Moraceae	Native	Common	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Ficus heteropleura	Moraceae	Native	Common	Climber	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Ficus hispida	Moraceae	Exotic	Naturalised	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Less likely	Negligible
		Ficus kerkhovenii	Moraceae	Native	Critically Endanger	Strangler	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Ficus lyrata	Moraceae	Exotic	Cultivated Only	Tree	High	Medium	Medium	Possible	**Moderate**	Medium	Medium	Less likely	Minor
		Ficus microcarpa	Moraceae	Native	Common	Strangler	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Ficus punctata	Moraceae	Native	Common	Climber	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Ficus religiosa	Moraceae	Exotic	Naturalised	Strangler	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Less likely	Negligible
		Ficus variegata	Moraceae	Native	Common	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Gliricidia sepium	Fabaceae	Exotic	Casual	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Less likely	Negligible
		Goniophlebium percussum	Polypodiaceae	Native	Vulnerable	Epiphyte	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Guioa pleuropteris	Sapindaceae	Native	Vulnerable	Shrub	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Guioa pubescens	Sapindaceae	Native	Vulnerable	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Gymnacranthera farquhariana	Myristicaceae	Native	Critically Endanger	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Horsfieldia polyspherula	Myristicaceae	Native	Vulnerable	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Ixonanthes reticulata	Ixonanthaceae	Native	Common	Tree	Medium	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Leucaena leucocephala	Fabaceae	Exotic	Naturalised	Tree	Low	Negligible	Imperceptible	Possible	Negligible	Negligible	Imperceptible	Less likely	Negligible
		Litsea elliptica	Lauraceae	Native	Common	Tree	Medium	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Litsea firma	Lauraceae	Native	Vulnerable	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Lygodium longifolium	Schizaeaceae	Native	Vulnerable	Climber	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Macaranga gigantea	Euphorbiaceae	Native	Common	Tree	Medium	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Macaranga griffithiana	Euphorbiaceae	Native	Vulnerable	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Macaranga hullettii	Euphorbiaceae	Native	Critically Endanger	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Macaranga hypoleuca	Euphorbiaceae	Native	Common	Tree	Medium	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Nephrolepis cf. acutifolia	Oleandraceae	Native	Endangered	Epiphyte	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Oncosperma tigillarium	Arecaceae	Native	Vulnerable	Shrub	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Palaquium obovatum	Sapotaceae	Native	Vulnerable	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Pellacalyx axillaris	Rhizophoraceae	Native	Endangered	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Peltophorum pterocarpum	Fabaceae	Native	Critically Endanger	Tree	Medium	High	Medium	Less likely	Minor	High	Medium	Less likely	Minor
		Phlegmariurus carinatus	Lycopodiaceae	Native	Presumed Extinct	Epiphyte	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Piper pedicellosum	Piperaceae	Native	Critically Endanger	Climber	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Planchonella obovata	Sapotaceae	Native	Vulnerable	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Psychotria sarmentosa	Rubiaceae	Native	Critically Endanger	Climber	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Pternandra caerulescens	Melastomataceae	Native	Vulnerable	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Rhodamnia cinerea	Myrtaceae	Native	Common	Tree	Medium	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor

								Pre-mitigated				Post-mitigated (residual)			
Phase	**Impact type**	**Species**	**Family**	**Origin**	**Status**	**Habit**	**Sensitivity**	**Impact intensity**	**Consequence**	**Likelihood**	**Impact significance**	**Impact intensity**	**Consequence**	**Likelihood**	**Impact significance**
		Samanea saman	Fabaceae	Exotic	Casual	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Less likely	Negligible
		Senna siamea	Fabaceae	Exotic	Cultivated Only	Tree	Low	Medium	Very low	Possible	Minor	Medium	Very low	Less likely	Negligible
		Spathodea campanulata	Bignoniaceae	Exotic	Naturalised	Tree	Low	Negligible	Imperceptible	Possible	Negligible	Negligible	Imperceptible	Less likely	Negligible
		Sterculia macrophylla	Malvaceae	Native	Critically Endanger	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Sterculia parviflora	Malvaceae	Native	Critically Endanger	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Strophanthus caudatus	Apocynaceae	Native	Endangered	Climber	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Symplocos fasciculata	Symplocaceae	Native	Vulnerable	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Syzygium cf. *fastigiatum*	Myrtaceae	Not assessed	-	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Syzygium cf. *pustulatum*	Myrtaceae	Native	Critically Endanger	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Syzygium lineatum	Myrtaceae	Native	Common	Tree	Medium	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Thyrsostachys siamensis	Poaceae	Exotic	Casual	Shrub	High	Low	Low	Possible	Minor	Low	Low	Less likely	Minor
		Uncaria longiflora var. *pteropo*	Rubiaceae	Native	Critically Endanger	Climber	High	High	High	Less likely	Minor	High	High	Less likely	Minor
		Vitex pinnata	Lamiaceae	Native	Common	Tree	Medium	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Xanthophyllum ellipticum	Polygalaceae	Native	Critically Endanger	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Xanthophyllum eurhynchum	Polygalaceae	Native	Vulnerable	Shrub	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor

										Pre-mitigated				Post-mitigated (Residual)			
Phase	impact type	Taxon	Scientific name	Common name	National status	Global status	Location of records	Ecological value	Sensitivity	Impact intensity	Consequence	Likelihood	Impact significance	Impact intensity	Consequence	Likelihood	Impact significance
Construction	Lossof/reduction in habitats and food sources	Butterfly	Borbo cinnara	Formosan swift	Endangered	Not Assessed	Site II	High	Priority 1	Medium	Medium	Possible	**Moderate**	Low	Low	Possible	Minor
		Butterfly	Arhopala amphimuta amphimuta	NA	Nationally Extinct (Rediscovered)	Not Assessed	Site I	High	Priority 1	Medium	Medium	Possible	**Moderate**	Low	Low	Possible	Minor
		Butterfly	Troides helena cerberus	Common birdwing	Vulnerable	Not Assessed; CITES protected (Appendix II)	Site I, III (indirect)	High	Priority 1	High	High	Possible	**Major**	Medium	Medium	Possible	**Moderate**
		Bird	Accipiter trivirgatus	Crested goshawk	Critically Endangered	Least Concern	Site I, II	High	Priority 1	Medium	Medium	Possible	**Moderate**	Low	Low	Possible	Minor
		Bird	Anthracoceros albirostris	Oriental pied hornbill	Critically Endangered	Least Concern	Site III (indirect)	High	Priority 1	Medium	Medium	Possible	**Moderate**	Low	Low	Possible	Minor
		Bird	Copsychus saularis	Oriental magpie-robin	Endangered	Least Concern	Site III	High	Priority 1	Medium	Medium	Possible	**Moderate**	Low	Low	Possible	Minor
		Bird	Gallus gallus	Red junglefowl	Endangered	Least Concern	Site I, II, III	High	Priority 1	Medium	Medium	Possible	**Moderate**	Low	Low	Possible	Minor
		Bird	Loriculus galgulus	Blue-crowned hanging-parrot	Endangered	Least Concern	Site I, II, III	High	Priority 1	Medium	Medium	Possible	**Moderate**	Low	Low	Possible	Minor
		Bird	Psittacula longicauda	Long-tailed parakeet	Not Assessed	Vulnerable	Site I, II	High	Priority 1	Medium	Medium	Possible	**Moderate**	Low	Low	Possible	Minor
		Bird	Pycnonotus zeylanicus	Straw-headed bulbul	Endangered	Critically Endangered	Site I, II, III	High	Priority 1	Medium	Medium	Possible	**Moderate**	Low	Low	Possible	Minor
		Bird	Rallina fasciata	Red-legged crake	Vulnerable	Least Concern	Site I, II	High	Priority 1	High	High	Possible	**Major**	Medium	Medium	Possible	**Moderate**
		Bird	Strix seloputo	Spotted wood owl	Critically Endangered	Least Concern	Site II (proximity)	High	Priority 1	Medium	Medium	Possible	**Moderate**	Low	Low	Possible	Minor
		Mammal	Macaca fascicularis	Long-tailed macaque	Least Concern	Vulnerable	Site I, II, III	High	Priority 1	Medium	Medium	Possible	**Moderate**	Low	Low	Possible	Minor
		Mammal	Galeopterus variegatus	Sunda colugo	Near Threatened	Least Concern	Site I	Medium	Priority 2	Medium	Low	Possible	**Moderate**	Low	Very low	Possible	Minor
		Mammal	Manis javanica	Sunda pangolin	Critically Endangered	Critically Endangered	Site I, II	High	Priority 1	Medium	Medium	Possible	**Moderate**	Low	Low	Possible	Minor
		Bat	Tylonycteris sp.	Bamboo bat	Vulnerable	Least Concern	Site I	High	Priority 1	High	High	Certain	**Major**	High	High	Certain	**Major**
	Loss of ecological connectivity for faunal movement	Butterfly	Borbo cinnara	Formosan swift	Endangered	Not Assessed	Site II	High	Priority 1	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Butterfly	Arhopala amphimuta amphimuta	NA	Nationally Extinct (Rediscovered)	Not Assessed	Site I	High	Priority 1	Medium	Medium	Possible	**Moderate**	Medium	Medium	Possible	**Moderate**
		Butterfly	Troides helena cerberus	Common birdwing	Vulnerable	Not Assessed; CITES protected (Appendix II)	Site I, III (indirect)	High	Priority 1	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Bird	Accipiter trivirgatus	Crested goshawk	Critically Endangered	Least Concern	Site I, II	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Anthracoceros albirostris	Oriental pied hornbill	Critically Endangered	Least Concern	Site III (indirect)	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Copsychus saularis	Oriental magpie-robin	Endangered	Least Concern	Site III	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Gallus gallus	Red junglefowl	Endangered	Least Concern	Site I, II, III	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Loriculus galgulus	Blue-crowned hanging-parrot	Endangered	Least Concern	Site I, II, III	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Psittacula longicauda	Long-tailed parakeet	Not Assessed	Vulnerable	Site I, II	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Pycnonotus zeylanicus	Straw-headed bulbul	Endangered	Critically Endangered	Site I, II, III	High	Priority 1	High	High	Likely	**Major**	High	High	Less likely	Minor

										Pre-mitigated				Post-mitigated (Residual)			
Phase	Impact type	Taxon	Scientific name	Common name	National status	Global status	Location of records	Ecological value	Sensitivity	Impact intensity	Consequence	Likelihood	Impact significance	Impact intensity	Consequence	Likelihood	Impact significance
		Bird	Rallina fasciata	Red-legged crake	Vulnerable	Least Concern	Site I, II	High	Priority 1	High	High	Possible	**Moderate**	High	High	Possible	**Moderate**
		Bird	Strix seloputo	Spotted wood owl	Critically Endangered	Least Concern	Site II (proximity)	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Mammal	Macaca fascicularis	Long-tailed macaque	Least Concern	Vulnerable	Site I, II, III	High	Priority 1	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Mammal	Galeopterus variegatus	Sunda colugo	Near Threatened	Least Concern	Site I	Medium	Priority 2	High	Medium	Likely	**Moderate**	High	Medium	Likely	**Moderate**
		Mammal	Manis javanica	Sunda pangolin	Critically Endangered	Critically Endangered	Site I, II	High	Priority 1	Medium	Medium	Likely	**Moderate**	Medium	Medium	Likely	**Moderate**
		Bat	Tylonycteris sp.	Bamboo bat	Vulnerable	Least Concern	Site I	High	Priority 1	High	High	Possible	**Moderate**	High	High	Less likely	Minor
	Injury or mortality	Butterfly	Borbo cinnara	Formosan swift	Endangered	Not Assessed	Site II	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Butterfly	Arhopala amphimuta amphimuta	NA	Nationally Extinct (Rediscovered)	Not Assessed	Site I	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Butterfly	Troides helena cerberus	Common birdwing	Vulnerable	Not Assessed; CITES protected (Appendix II)	Site I, III (indirect)	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Accipiter trivirgatus	Crested goshawk	Critically Endangered	Least Concern	Site I, II	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Anthracoceros albirostris	Oriental pied hornbill	Critically Endangered	Least Concern	Site III (indirect)	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Copsychus saularis	Oriental magpie-robin	Endangered	Least Concern	Site III	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Gallus gallus	Red junglefowl	Endangered	Least Concern	Site I, II, III	High	Priority 1	Medium	Medium	Possible	**Moderate**	Medium	Medium	Less likely	Minor
		Bird	Loriculus galgulus	Blue-crowned hanging-parrot	Endangered	Least Concern	Site I, II, III	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Psittacula longicauda	Long-tailed parakeet	Not Assessed	Vulnerable	Site I, II	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Pycnonotus zeylanicus	Straw-headed bulbul	Endangered	Critically Endangered	Site I, II, III	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Rallina fasciata	Red-legged crake	Vulnerable	Least Concern	Site I, II	High	Priority 1	Medium	Medium	Possible	**Moderate**	Medium	Medium	Less likely	Minor
		Bird	Strix seloputo	Spotted wood owl	Critically Endangered	Least Concern	Site II (proximity)	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Mammal	Macaca fascicularis	Long-tailed macaque	Least Concern	Vulnerable	Site I, II, III	High	Priority 1	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Mammal	Galeopterus variegatus	Sunda colugo	Near Threatened	Least Concern	Site I	Medium	Priority 2	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Mammal	Manis javanica	Sunda pangolin	Critically Endangered	Critically Endangered	Site I, II	High	Priority 1	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Bat	Tylonycteris sp.	Bamboo bat	Vulnerable	Least Concern	Site I	High	Priority 1	High	High	Less likely	Minor	High	High	Less likely	Minor
Operational	Collisions with buildings (birds only)	Bird	Accipiter trivirgatus	Crested goshawk	Critically Endangered	Least Concern	Site I, II	High	Priority 1	Medium	Medium	Less likely	Minor	Medium	Medium	Less likely	Minor
		Bird	Anthracoceros albirostris	Oriental pied hornbill	Critically Endangered	Least Concern	Site III (indirect)	High	Priority 1	High	High	Less likely	Minor	High	High	Less likely	Minor
		Bird	Copsychus saularis	Oriental magpie-robin	Endangered	Least Concern	Site III	High	Priority 1	Medium	Medium	Possible	**Moderate**	Medium	Medium	Less likely	Minor
		Bird	Gallus gallus	Red junglefowl	Endangered	Least Concern	Site I, II, III	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor

										Pre-mitigated				Post-mitigated (Residual)			
Phase	Impact type	Taxon	Scientific name	Common name	National status	Global status	Location of records	Ecological value	Sensitivity	Impact intensity	Consequence	Likelihood	Impact significance	Impact intensity	Consequence	Likelihood	Impact significance
		Bird	Loriculus galgulus	Blue-crowned hanging-parrot	Endangered	Least Concern	Site I, II, III	High	Priority 1	HIgh	High	Less likely	Minor	HIgh	High	Less likely	Minor
		Bird	Psittacula longicauda	Long-tailed parakeet	Not Assessed	Vulnerable	Site I, II	High	Priority 1	HIgh	High	Less likely	Minor	HIgh	High	Less likely	Minor
		Bird	Pycnonotus zeylanicus	Straw-headed bulbul	Endangered	Critically Endangered	Site I, II, III	High	Priority 1	HIgh	High	Possible	**Moderate**	HIgh	High	Less likely	Minor
		Bird	Rallina fasciata	Red-legged crake	Vulnerable	Least Concern	Site I, II	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Strix seloputo	Spotted wood owl	Critically Endangered	Least Concern	Site II (proximity)	High	Priority 1	Medium	Medium	Less likely	Minor	Medium	Medium	Less likely	Minor
	Loss of ecological connectivity for faunal movement	Butterfly	Borbo cinnara	Formosan swift	Endangered	Not Assessed	Site II	High	Priority 1	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Butterfly	Arhopala amphimuta amphimuta	NA	Nationally Extinct (Rediscovered)	Not Assessed	Site I	High	Priority 1	Medium	Medium	Possible	**Moderate**	Medium	Medium	Less likely	Minor
		Butterfly	Troides helena cerberus	Common birdwing	Vulnerable	Not Assessed; CITES protected (Appendix II)	Site I, III (indirect)	High	Priority 1	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Bird	Accipiter trivirgatus	Crested goshawk	Critically Endangered	Least Concern	Site I, II	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Anthracoceros albirostris	Oriental pied hornbill	Critically Endangered	Least Concern	Site III (indirect)	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Copsychus saularis	Oriental magpie-robin	Endangered	Least Concern	Site III	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Gallus gallus	Red junglefowl	Endangered	Least Concern	Site I, II, III	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Loriculus galgulus	Blue-crowned hanging-parrot	Endangered	Least Concern	Site I, II, III	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Psittacula longicauda	Long-tailed parakeet	Not Assessed	Vulnerable	Site I, II	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Pycnonotus zeylanicus	Straw-headed bulbul	Endangered	Critically Endangered	Site I, II, III	High	Priority 1	High	High	Likely	**Major**	High	High	Less likely	Minor
		Bird	Rallina fasciata	Red-legged crake	Vulnerable	Least Concern	Site I, II	High	Priority 1	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Bird	Strix seloputo	Spotted wood owl	Critically Endangered	Least Concern	Site II (proximity)	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Mammal	Macaca fascicularis	Long-tailed macaque	Least Concern	Vulnerable	Site I, II, III	High	Priority 1	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Mammal	Galeopterus variegatus	Sunda colugo	Near Threatened	Least Concern	Site I	Medium	Priority 2	High	Medium	Likely	**Moderate**	High	Medium	Less likely	Minor
		Mammal	Manis javanica	Sunda pangolin	Critically Endangered	Critically Endangered	Site I, II	High	Priority 1	Medium	Medium	Likely	**Moderate**	Medium	Medium	Less likely	Minor
		Bat	Tylonycteris sp.	Bamboo bat	Vulnerable	Least Concern	Site I	High	Priority 1	High	High	Likely	**Major**	High	High	Less likely	Minor
	Injury or mortality	Butterfly	Borbo cinnara	Formosan swift	Endangered	Not Assessed	Site II	High	Priority 1	Low	Low	Unlikely	Negligible	Low	Low	Unlikely	Negligible
		Butterfly	Arhopala amphimuta amphimuta	NA	Nationally Extinct (Rediscovered)	Not Assessed	Site I	High	Priority 1	Low	Low	Unlikely	Negligible	Low	Low	Unlikely	Negligible
		Butterfly	Troides helena cerberus	Common birdwing	Vulnerable	Not Assessed; CITES protected (Appendix II)	Site I, III (indirect)	High	Priority 1	Low	Low	Unlikely	Negligible	Low	Low	Unlikely	Negligible
		Bird	Accipiter trivirgatus	Crested goshawk	Critically Endangered	Least Concern	Site I, II	High	Priority 1	Low	Low	Unlikely	Minor	Low	Low	Unlikely	Negligible
		Bird	Anthracoceros albirostris	Oriental pied hornbill	Critically Endangered	Least Concern	Site III (indirect)	High	Priority 1	Low	Low	Unlikely	Minor	Low	Low	Unlikely	Negligible

										Pre-mitigated				Post-mitigated (Residual)			
Phase	Impact type	Taxon	Scientific name	Common name	National status	Global status	Location of records	Ecological value	Sensitivity	Impact intensity	Consequence	Likelihood	Impact significance	Impact intensity	Consequence	Likelihood	Impact significance
		Bird	Copsychus saularis	Oriental magpie-robin	Endangered	Least Concern	Site III	High	Priority 1	Low	Low	Unlikely	Minor	Low	Low	Unlikely	Negligible
		Bird	Gallus gallus	Red junglefowl	Endangered	Least Concern	Site I, II, III	High	Priority 1	Medium	Medium	Possible	**Moderate**	Medium	Medium	Less likely	Minor
		Bird	Loriculus galgulus	Blue-crowned hanging-parrot	Endangered	Least Concern	Site I, II, III	High	Priority 1	Low	Low	Unlikely	Minor	Low	Low	Unlikely	Negligible
		Bird	Psittacula longicauda	Long-tailed parakeet	Not Assessed	Vulnerable	Site I, II	High	Priority 1	Low	Low	Unlikely	Minor	Low	Low	Unlikely	Negligible
		Bird	Pycnonotus zeylanicus	Straw-headed bulbul	Endangered	Critically Endangered	Site I, II, III	High	Priority 1	Low	Low	Unlikely	Minor	Low	Low	Unlikely	Negligible
		Bird	Rallina fasciata	Red-legged crake	Vulnerable	Least Concern	Site I, II	High	Priority 1	Medium	Medium	Less likely	Minor	Medium	Medium	Unlikely	Negligible
		Bird	Strix seloputo	Spotted wood owl	Critically Endangered	Least Concern	Site II (proximity)	High	Priority 1	Low	Low	Unlikely	Minor	Low	Low	Unlikely	Negligible
		Mammal	Macaca fascicularis	Long-tailed macaque	Least Concern	Vulnerable	Site I, II, III	High	Priority 1	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Mammal	Galeopterus variegatus	Sunda colugo	Near Threatened	Least Concern	Site I	Medium	Priority 2	High	Medium	Less likely	Minor	High	Medium	Unlikely	Negligible
		Mammal	Manis javanica	Sunda pangolin	Critically Endangered	Critically Endangered	Site I, II	High	Priority 1	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Bat	Tylonycteris sp.	Bamboo bat	Vulnerable	Least Concern	Site I	High	Priority 1	Low	Low	Unlikely	Negligible	Low	Low	Unlikely	Negligible

Appendix R2

Impact Assessment for Habitats, Plant and Faunal Species at Holland Plain (Sites IV and V)

					Pre-mitigated				Post-mitigated (Residual)			
Phase	**Impact type**	**Habitat**	**Ecological Value**	**Sensitivity**	**Impact intensity**	**Consequence**	**Likelihood**	**Impact significance**	**Impact intensity**	**Consequence**	**Rationale**	**Impact significance**
Construction	Loss of vegetation	Native-dominated Secondary Forest	High	Priority 1	High	High	Certain	**Major**	High	High	Certain	**Major**
		Abandoned-land Forest	Medium	Priority 2	High	Medium	Certain	**Major**	High	Medium	Certain	**Major**
		Waste Woodland	Medium	Priority 2	Medium	Low	Certain	**Moderate**	Medium	Low	Certain	**Moderate**
		Scrubland and Herbaceous Vegetation	High	Priority 1	Medium	Medium	Certain	**Major**	Medium	Medium	Certain	**Major**
		Freshwater Marsh	High	Priority 1	High	High	Certain	**Major**	High	High	Certain	**Major**
		Managed Vegetation	Low	Priority 3	High	Low	Certain	**Moderate**	High	Low	Certain	**Moderate**
		Waterbody (Pond)	Medium	Priority 2	High	Medium	Certain	**Major**	High	Medium	Certain	**Major**
	Habitat degradation	Native-dominated Secondary Forest	High	Priority 1	Low	Low	Less likely	Minor	Medium	Medium	Less likely	Minor
		Abandoned-land Forest	Medium	Priority 2	Low	Very low	Less likely	Negligible	Medium	Low	Less likely	Minor
		Waste Woodland	Medium	Priority 2	High	Medium	Less likely	Minor	High	Medium	Less likely	Minor
		Scrubland and Herbaceous Vegetation	High	Priority 1	High	High	Less likely	Minor	High	High	Less likely	Minor
		Freshwater Marsh	High	Priority 1	NA	NA	NA	NA	NA	NA	NA	NA
		Managed Vegetation	Low	Priority 3	NA	NA	NA	NA	Medium	Very low	Less likely	Negligible
		Waterbody (Pond)	Medium	Priority 2	NA	NA	NA	NA	NA	NA	NA	NA
	Change in species composition	Native-dominated Secondary Forest	High	Priority 1	Low	Low	Likely	**Moderate**	Medium	Medium	Less likely	Minor
		Abandoned-land Forest	Medium	Priority 2	Low	Very low	Possible	Minor	Medium	Low	Less likely	Minor
		Waste Woodland	Medium	Priority 2	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Scrubland and Herbaceous Vegetation	High	Priority 1	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Freshwater Marsh	High	Priority 1	NA	NA	NA	NA	NA	NA	NA	NA
		Managed Vegetation	Low	Priority 3	NA	NA	NA	NA	Medium	Very low	Unlikely	Negligible
		Waterbody (Pond)	Medium	Priority 2	NA	NA	NA	NA	NA	NA	NA	NA
Operational	Habitat degradation	Native-dominated Secondary Forest	High	Priority 1	Medium	Medium	Less likely	Minor	Medium	Medium	Less likely	Minor
		Abandoned-land Forest	Medium	Priority 2	Medium	Low	Less likely	Minor	Medium	Low	Less likely	Minor
		Waste Woodland	Medium	Priority 2	Medium	Low	Less likely	Minor	Medium	Low	Less likely	Minor
		Scrubland and Herbaceous Vegetation	High	Priority 1	Medium	Medium	Less likely	Minor	Medium	Medium	Less likely	Minor
		Freshwater Marsh	High	Priority 1	NA	NA	NA	NA	NA	NA	NA	NA
		Managed Vegetation	Low	Priority 3	NA	NA	NA	NA	Medium	Very low	Less likely	Negligible
		Waterbody (Pond)	Medium	Priority 2	NA	NA	NA	NA	NA	NA	NA	NA
	Change in species composition	Native-dominated Secondary Forest	High	Priority 1	Low	Low	Possible	Minor	Low	Low	Less likely	Minor
		Abandoned-land Forest	Medium	Priority 2	Low	Very low	Possible	Minor	Low	Very low	Less likely	Minor
		Waste Woodland	Medium	Priority 2	Low	Very low	Possible	Minor	Low	Very low	Less likely	Minor
		Scrubland and Herbaceous Vegetation	High	Priority 1	Low	Low	Possible	Minor	Low	Low	Less likely	Minor
		Freshwater Marsh	High	Priority 1	NA	NA	NA	NA	NA	NA	NA	NA
		Managed Vegetation	Low	Priority 3	NA	NA	NA	NA	Low	Very low	Less likely	Negligible
		Waterbody (Pond)	Medium	Priority 2	NA	NA	NA	NA	NA	NA	NA	NA

								Pre-mitigated				Post-mitigated (residual)			
Phase	Impact type	Species	Family	Origin	Status	Habit	Sensitivity	Impact intensity	Consequence	Likelihood	Impact significance	Impact intensity	Consequence	Likelihood	Impact significance
Construction	Mortality	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	Low	Medium	Very low	Almost certain	Minor	Medium	Very low	Almost certain	Minor
		Adenanthera pavonina	Fabaceae	Exotic	Naturalised	Tree	Low	High	Low	Almost certain	**Moderate**	High	Low	Almost certain	**Moderate**
		Adinandra dumosa	Pentaphylacace	Native	Common	Tree	Medium	High	Medium	Almost certain	**Major**	Negligible	Imperceptible	Unlikely	Negligible
		Alsophila latebrosa	Cyatheaceae	Native	Vulnerable	Tree	High	High	High	Almost certain	**Major**	High	High	Almost certain	**Major**
		Alstonia angustifolia	Apocynaceae	Native	Common	Tree	Medium	High	Medium	Almost certain	**Major**	Negligible	Imperceptible	Unlikely	Negligible
		Amphineuron opulentum	Thelypteridacea	Native	Endangered	Climber	High	High	High	Almost certain	**Major**	High	High	Almost certain	**Major**
		Averrhoa carambola	Oxalidaceae	Exotic	Casual	Tree	Low	High	Low	Almost certain	**Moderate**	High	Low	Almost certain	**Moderate**
		Bambusa heterostachya	Poaceae	Exotic	Casual	Shrub	Low	Medium	Very low	Almost certain	Minor	Medium	Very low	Almost certain	Minor
		Bambusa vulgaris	Poaceae	Exotic	Casual	Shrub	High	High	High	Almost certain	**Major**	High	High	Almost certain	**Major**
		Bridelia stipularis	Phyllanthaceae	Native	Vulnerable	Shrub	High	Medium	Medium	Almost certain	**Major**	Medium	Medium	Almost certain	**Major**
		Casuarina equisetifolia	Casuarinaceae	Native	Common	Tree	Medium	High	Medium	Almost certain	**Major**	Medium	Low	Almost certain	**Moderate**
		Cinnamomum iners	Lauraceae	Native	Common	Tree	Medium	High	Medium	Almost certain	**Major**	High	Medium	Almost certain	**Major**
		Claoxylon indicum	Euphorbiaceae	Native	Common	Tree	Medium	High	Medium	Almost certain	**Major**	High	Medium	Almost certain	**Major**
		Commersonia bartramia	Malvaceae	Native	Common	Tree	Medium	High	Medium	Almost certain	**Major**	High	Medium	Almost certain	**Major**
		Cyrtophyllum fragrans	Gentianaceae	Native	Common	Tree	Medium	Medium	Low	Almost certain	**Moderate**	Low	Very low	Almost certain	Minor
		Dimocarpus longan	Sapindaceae	Exotic	Casual	Tree	Low	High	Low	Almost certain	**Moderate**	High	Low	Almost certain	**Moderate**
		Dimocarpus longan ssp. *malesianus*	Sapindaceae	Exotic	Casual	Tree	Low	High	Low	Almost certain	**Moderate**	High	Low	Almost certain	**Moderate**
		Elaeis guineensis	Arecaceae	Exotic	Cultivated Only	Tree	Low	Medium	Very low	Almost certain	Minor	Low	Very low	Almost certain	Minor
		Endospermum sp.	Euphorbiaceae	Native	Vulnerable	Tree	High	High	High	Almost certain	**Major**	Negligible	Very low	Unlikely	Negligible
		Falcataria moluccana	Fabaceae	Exotic	Naturalised	Tree	Low	Low	Very low	Almost certain	Minor	Low	Very low	Almost certain	Minor
		Ficus aurata var. *aurata*	Moraceae	Native	Vulnerable	Tree	High	Medium	Medium	Almost certain	**Major**	Low	Low	Almost certain	**Moderate**
		Ficus fistulosa	Moraceae	Native	Common	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Ficus grossularioides var. *grossularioide*	Moraceae	Native	Common	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Ficus microcarpa	Moraceae	Native	Common	Strangle	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Ficus variegata	Moraceae	Native	Common	Tree	High	High	High	Almost certain	**Major**	Medium	Medium	Almost certain	**Major**
		Guioa pubescens	Sapindaceae	Native	Vulnerable	Tree	High	Medium	Medium	Almost certain	**Major**	Low	Low	Almost certain	**Moderate**
		Gynochthodes rigida	Rubiaceae	Native	Presumed Extin	Climber	High	High	High	Almost certain	**Major**	High	High	Almost certain	**Major**
		Khaya nyasica	Meliaceae	Exotic	Not assessed	Tree	Low	High	Low	Almost certain	**Moderate**	High	Low	Almost certain	**Moderate**
		Litsea firma	Lauraceae	Native	Vulnerable	Tree	High	Medium	Medium	Almost certain	**Major**	Medium	Medium	Almost certain	**Major**
		Macaranga conifera	Euphorbiaceae	Native	Common	Tree	Medium	High	Medium	Almost certain	**Major**	Negligible	Imperceptible	Unlikely	Negligible
		Macaranga gigantea	Euphorbiaceae	Native	Common	Tree	Medium	High	Medium	Almost certain	**Major**	High	Medium	Almost certain	**Major**
		Macaranga griffithiana	Euphorbiaceae	Native	Vulnerable	Tree	High	High	High	Almost certain	**Major**	Negligible	Very low	Unlikely	Negligible
		Macaranga hullettii	Euphorbiaceae	Native	Critically Endan	Tree	High	High	High	Almost certain	**Major**	Low	Low	Almost certain	**Moderate**
		Mangifera foetida	Anacardiaceae	Native	Vulnerable	Tree	Medium	Negligible	Imperceptib	Unlikely	Negligible	High	Medium	Almost certain	**Major**
		Mangifera indica	Anacardiaceae	Exotic	Casual	Tree	Low	High	Low	Almost certain	**Moderate**	High	Low	Almost certain	**Moderate**
		Morella esculenta	Myricaceae	Native	Common	Tree	Medium	High	Medium	Almost certain	**Major**	High	Medium	Almost certain	**Major**
		Nepenthes ampullaria	Nepenthaceae	Native	Vulnerable	Climber	High	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Nepenthes gracilis	Nepenthaceae	Native	Common	Climber	High	Low	Low	Almost certain	**Moderate**	Negligible	Very low	Unlikely	Negligible
		Nephelium lappaceum	Sapindaceae	Native	Critically Endan	Tree	Medium	Medium	Low	Almost certain	**Moderate**	Medium	Low	Almost certain	**Moderate**
		Pentaspadon motleyi	Anacardiaceae	Exotic	Cultivated Only	Tree	Low	High	Low	Almost certain	**Moderate**	High	Low	Almost certain	**Moderate**
		Spathodea campanulata	Bignoniaceae	Exotic	Naturalised	Tree	Low	High	Low	Almost certain	**Moderate**	High	Low	Almost certain	**Moderate**
		Sterculia parviflora	Malvaceae	Native	Critically Endan	Tree	High	Medium	Medium	Almost certain	**Major**	Medium	Medium	Almost certain	**Major**
		Strophanthus caudatus	Apocynaceae	Native	Endangered	Climber	High	High	High	Almost certain	**Major**	Negligible	Very low	Unlikely	Negligible
		Syzygium grande	Myrtaceae	Native	Common	Tree	Medium	High	Medium	Almost certain	**Major**	Low	Very low	Almost certain	Minor
		Syzygium lineatum	Myrtaceae	Native	Common	Tree	Medium	High	Medium	Almost certain	**Major**	High	Medium	Almost certain	**Major**
		Terminalia catappa	Combretaceae	Native	Common	Tree	Medium	High	Medium	Almost certain	**Major**	Medium	Low	Almost certain	**Moderate**
		Uncaria cordata	Rubiaceae	Native	Endangered	Climber	High	High	High	Almost certain	**Major**	High	High	Almost certain	**Major**
		Uncaria longiflora var. *pteropoda*	Rubiaceae	Native	Critically Endan	Climber	High	High	High	Almost certain	**Major**	High	High	Almost certain	**Major**
	Impediment to seedling recruitment	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Adenanthera pavonina	Fabaceae	Exotic	Naturalised	Tree	Low	Negligible	Imperceptib	Possible	Negligible	Negligible	Imperceptible	Possible	Negligible
		Adinandra dumosa	Pentaphylacace	Native	Common	Tree	Medium	Negligible	Imperceptib	Possible	Negligible	High	Medium	Possible	**Moderate**
		Alsophila latebrosa	Cyatheaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Alstonia angustifolia	Apocynaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Possible	Negligible	High	Medium	Possible	**Moderate**
		Amphineuron opulentum	Thelypteridacea	Native	Endangered	Climber	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Averrhoa carambola	Oxalidaceae	Exotic	Casual	Tree	Low	Negligible	Imperceptib	Possible	Negligible	Negligible	Imperceptible	Possible	Negligible
		Bambusa heterostachya	Poaceae	Exotic	Casual	Shrub	Low	Negligible	Imperceptib	Almost certain	Negligible	Medium	Very low	Almost certain	Minor
		Bambusa vulgaris	Poaceae	Exotic	Casual	Shrub	High	Negligible	Very low	Almost certain	Minor	Negligible	Very low	Almost certain	Minor
		Bridelia stipularis	Phyllanthaceae	Native	Vulnerable	Shrub	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Casuarina equisetifolia	Casuarinaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Possible	Negligible	Medium	Low	Possible	Minor
		Cinnamomum iners	Lauraceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Possible	Negligible	Negligible	Imperceptible	Possible	Negligible
		Claoxylon indicum	Euphorbiaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Possible	Negligible	Negligible	Imperceptible	Possible	Negligible
		Commersonia bartramia	Malvaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Possible	Negligible	Negligible	Imperceptible	Possible	Negligible
		Cyrtophyllum fragrans	Gentianaceae	Native	Common	Tree	Medium	Low	Very low	Possible	Minor	Medium	Low	Possible	Minor
		Dimocarpus longan	Sapindaceae	Exotic	Casual	Tree	Low	Negligible	Imperceptib	Possible	Negligible	Negligible	Imperceptible	Possible	Negligible
		Dimocarpus longan ssp. malesianus	Sapindaceae	Exotic	Casual	Tree	Low	Negligible	Imperceptib	Possible	Negligible	Negligible	Imperceptible	Possible	Negligible
		Elaeis guineensis	Arecaceae	Exotic	Cultivated Only	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Endospermum sp.	Euphorbiaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Possible	Minor	High	High	Possible	**Moderate**
		Falcataria moluccana	Fabaceae	Exotic	Naturalised	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Ficus aurata var. aurata	Moraceae	Native	Vulnerable	Tree	High	Negligible	Very low	Possible	Minor	Medium	Medium	Possible	**Moderate**
		Ficus fistulosa	Moraceae	Native	Common	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Ficus grossularioides var. grossularioide	Moraceae	Native	Common	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Ficus microcarpa	Moraceae	Native	Common	Strangle	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Ficus variegata	Moraceae	Native	Common	Tree	High	Negligible	Very low	Possible	Minor	Low	Low	Possible	Minor
		Guioa pubescens	Sapindaceae	Native	Vulnerable	Tree	High	Low	Low	Possible	Minor	Medium	Medium	Possible	**Moderate**
		Gynochthodes rigida	Rubiaceae	Native	Presumed Extin	Climber	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor

								Pre-mitigated				Post-mitigated (residual)			
Phase	Impact type	Species	Family	Origin	Status	Habit	Sensitivity	Impact intensity	Consequence	Likelihood	Impact significance	Impact intensity	Consequence	Likelihood	Impact significance
		Khaya nyasica	Meliaceae	Exotic	Not assessed	Tree	Low	Negligible	Imperceptib	Possible	Negligible	Negligible	Imperceptible	Possible	Negligible
		Litsea firma	Lauraceae	Native	Vulnerable	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Macaranga conifera	Euphorbiaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Possible	Negligible	High	Medium	Possible	**Moderate**
		Macaranga gigantea	Euphorbiaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Possible	Negligible	Negligible	Imperceptible	Possible	Negligible
		Macaranga griffithiana	Euphorbiaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Possible	Minor	High	High	Possible	**Moderate**
		Macaranga hullettii	Euphorbiaceae	Native	Critically Endan	Tree	High	Negligible	Very low	Possible	Minor	Medium	Medium	Possible	**Moderate**
		Mangifera foetida	Anacardiaceae	Native	Vulnerable	Tree	Medium	High	Medium	Possible	**Moderate**	Negligible	Imperceptible	Possible	Negligible
		Mangifera indica	Anacardiaceae	Exotic	Casual	Tree	Low	Negligible	Imperceptib	Possible	Negligible	Negligible	Imperceptible	Possible	Negligible
		Morella esculenta	Myricaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Possible	Negligible	Negligible	Imperceptible	Possible	Negligible
		Nepenthes ampullaria	Nepenthaceae	Native	Vulnerable	Climber	High	Medium	Medium	Possible	**Moderate**	High	High	Possible	**Moderate**
		Nepenthes gracilis	Nepenthaceae	Native	Common	Climber	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Nephelium lappaceum	Sapindaceae	Native	Critically Endan	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Pentaspadon motleyi	Anacardiaceae	Exotic	Cultivated Only	Tree	Low	Negligible	Imperceptib	Possible	Negligible	Negligible	Imperceptible	Possible	Negligible
		Spathodea campanulata	Bignoniaceae	Exotic	Naturalised	Tree	Low	Negligible	Imperceptib	Possible	Negligible	Negligible	Imperceptible	Possible	Negligible
		Sterculia parviflora	Malvaceae	Native	Critically Endan	Tree	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Strophanthus caudatus	Apocynaceae	Native	Endangered	Climber	High	Negligible	Very low	Possible	Minor	High	High	Possible	**Moderate**
		Syzygium grande	Myrtaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Possible	Negligible	Medium	Low	Possible	Minor
		Syzygium lineatum	Myrtaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Possible	Negligible	Negligible	Imperceptible	Possible	Negligible
		Terminalia catappa	Combretaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Possible	Negligible	Low	Very low	Possible	Minor
		Uncaria cordata	Rubiaceae	Native	Endangered	Climber	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
		Uncaria longiflora var. pteropoda	Rubiaceae	Native	Critically Endan	Climber	High	Negligible	Very low	Possible	Minor	Negligible	Very low	Possible	Minor
	Competition from exotic plant species	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	Low	Low	Very low	Less likely	Negligible	Low	Very low	Possible	Minor
		Adenanthera pavonina	Fabaceae	Exotic	Naturalised	Tree	Low	Negligible	Imperceptib	Less likely	Negligible	Negligible	Imperceptible	Possible	Negligible
		Adinandra dumosa	Pentaphylacace	Native	Common	Tree	Medium	Negligible	Imperceptib	Less likely	Negligible	High	Medium	Possible	**Moderate**
		Alsophila latebrosa	Cyatheaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Less likely	Negligible	Negligible	Very low	Possible	Minor
		Alstonia angustifolia	Apocynaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Less likely	Negligible	High	Medium	Possible	**Moderate**
		Amphineuron opulentum	Thelypteridacea	Native	Endangered	Climber	High	Negligible	Very low	Less likely	Negligible	Negligible	Very low	Possible	Minor
		Averrhoa carambola	Oxalidaceae	Exotic	Casual	Tree	Low	Negligible	Imperceptib	Less likely	Negligible	Negligible	Imperceptible	Possible	Negligible
		Bambusa heterostachya	Poaceae	Exotic	Casual	Shrub	Low	Negligible	Imperceptib	Less likely	Negligible	Medium	Very low	Possible	Minor
		Bambusa vulgaris	Poaceae	Exotic	Casual	Shrub	High	Negligible	Very low	Less likely	Negligible	Negligible	Very low	Possible	Minor
		Bridelia stipularis	Phyllanthaceae	Native	Vulnerable	Shrub	High	Negligible	Very low	Less likely	Negligible	Negligible	Very low	Possible	Minor
		Casuarina equisetifolia	Casuarinaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Less likely	Negligible	Medium	Low	Possible	Minor
		Cinnamomum iners	Lauraceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Less likely	Negligible	Negligible	Imperceptible	Possible	Negligible
		Claoxylon indicum	Euphorbiaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Less likely	Negligible	Negligible	Imperceptible	Possible	Negligible
		Commersonia bartramia	Malvaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Less likely	Negligible	Negligible	Imperceptible	Possible	Negligible
		Cyrtophyllum fragrans	Gentianaceae	Native	Common	Tree	Medium	Low	Very low	Less likely	Negligible	Medium	Low	Possible	Minor
		Dimocarpus longan	Sapindaceae	Exotic	Casual	Tree	Low	Negligible	Imperceptib	Less likely	Negligible	Negligible	Imperceptible	Possible	Negligible
		Dimocarpus longan ssp. *malesianus*	Sapindaceae	Exotic	Casual	Tree	Low	Negligible	Imperceptib	Less likely	Negligible	Negligible	Imperceptible	Possible	Negligible
		Elaeis guineensis	Arecaceae	Exotic	Cultivated Only	Tree	Low	Low	Very low	Less likely	Negligible	Low	Very low	Possible	Minor
		Endospermum sp.	Euphorbiaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Less likely	Negligible	High	High	Possible	**Moderate**
		Falcataria moluccana	Fabaceae	Exotic	Naturalised	Tree	Low	Low	Very low	Less likely	Negligible	Low	Very low	Possible	Minor
		Ficus aurata var. *aurata*	Moraceae	Native	Vulnerable	Tree	High	Negligible	Very low	Less likely	Negligible	Medium	Medium	Possible	**Moderate**
		Ficus fistulosa	Moraceae	Native	Common	Tree	High	Negligible	Very low	Less likely	Negligible	Negligible	Very low	Possible	Minor
		Ficus grossularioides var. *grossularioide*	Moraceae	Native	Common	Tree	High	Negligible	Very low	Less likely	Negligible	Negligible	Very low	Possible	Minor
		Ficus microcarpa	Moraceae	Native	Common	Strangle	High	Negligible	Very low	Less likely	Negligible	Negligible	Very low	Possible	Minor
		Ficus variegata	Moraceae	Native	Common	Tree	High	Negligible	Very low	Less likely	Negligible	Low	Low	Possible	Minor
		Guioa pubescens	Sapindaceae	Native	Vulnerable	Tree	High	Low	Low	Less likely	Minor	Medium	Medium	Possible	**Moderate**
		Gynochthodes rigida	Rubiaceae	Native	Presumed Extin	Climber	High	Negligible	Very low	Less likely	Negligible	Negligible	Very low	Possible	Minor
		Khaya nyasica	Meliaceae	Exotic	Not assessed	Tree	Low	Negligible	Imperceptib	Less likely	Negligible	Negligible	Imperceptible	Possible	Negligible
		Litsea firma	Lauraceae	Native	Vulnerable	Tree	High	Low	Low	Less likely	Minor	Low	Low	Possible	Minor
		Macaranga conifera	Euphorbiaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Less likely	Negligible	High	Medium	Possible	**Moderate**
		Macaranga gigantea	Euphorbiaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Less likely	Negligible	Negligible	Imperceptible	Possible	Negligible
		Macaranga griffithiana	Euphorbiaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Less likely	Negligible	High	High	Possible	**Moderate**
		Macaranga hullettii	Euphorbiaceae	Native	Critically Endan	Tree	High	Negligible	Very low	Less likely	Negligible	Medium	Medium	Possible	**Moderate**
		Mangifera foetida	Anacardiaceae	Native	Vulnerable	Tree	Medium	High	Medium	Less likely	Minor	Negligible	Imperceptible	Possible	Negligible
		Mangifera indica	Anacardiaceae	Exotic	Casual	Tree	Low	Negligible	Imperceptib	Less likely	Negligible	Negligible	Imperceptible	Possible	Negligible
		Morella esculenta	Myricaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Less likely	Negligible	Negligible	Imperceptible	Possible	Negligible
		Nepenthes ampullaria	Nepenthaceae	Native	Vulnerable	Climber	High	Medium	Medium	Less likely	Minor	High	High	Possible	**Moderate**
		Nepenthes gracilis	Nepenthaceae	Native	Common	Climber	High	Low	Low	Less likely	Minor	Low	Low	Possible	Minor
		Nephelium lappaceum	Sapindaceae	Native	Critically Endan	Tree	Medium	Low	Very low	Less likely	Negligible	Low	Very low	Possible	Minor
		Pentaspadon motleyi	Anacardiaceae	Exotic	Cultivated Only	Tree	Low	Negligible	Imperceptib	Less likely	Negligible	Negligible	Imperceptible	Possible	Negligible
		Spathodea campanulata	Bignoniaceae	Exotic	Naturalised	Tree	Low	Negligible	Imperceptib	Less likely	Negligible	Negligible	Imperceptible	Possible	Negligible
		Sterculia parviflora	Malvaceae	Native	Critically Endan	Tree	High	Negligible	Very low	Less likely	Negligible	Negligible	Very low	Possible	Minor
		Strophanthus caudatus	Apocynaceae	Native	Endangered	Climber	High	Negligible	Very low	Less likely	Negligible	High	High	Possible	**Moderate**
		Syzygium grande	Myrtaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Less likely	Negligible	Medium	Low	Possible	Minor
		Syzygium lineatum	Myrtaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Less likely	Negligible	Negligible	Imperceptible	Possible	Negligible
		Terminalia catappa	Combretaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Less likely	Negligible	Low	Very low	Possible	Minor
		Uncaria cordata	Rubiaceae	Native	Endangered	Climber	High	Negligible	Very low	Less likely	Negligible	Negligible	Very low	Possible	Minor
		Uncaria longiflora var. *pteropoda*	Rubiaceae	Native	Critically Endan	Climber	High	Negligible	Very low	Less likely	Negligible	Negligible	Very low	Less likely	Negligible
	Decline in plant health and survival	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	Low	Low	Very low	Less likely	Negligible	Low	Very low	Possible	Minor
		Adenanthera pavonina	Fabaceae	Exotic	Naturalised	Tree	Low	Negligible	Imperceptib	Less likely	Negligible	Negligible	Imperceptible	Possible	Negligible
		Adinandra dumosa	Pentaphylacace	Native	Common	Tree	Medium	Negligible	Imperceptib	Less likely	Negligible	High	Medium	Possible	**Moderate**
		Alsophila latebrosa	Cyatheaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Less likely	Negligible	Negligible	Very low	Possible	Minor
		Alstonia angustifolia	Apocynaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Less likely	Negligible	High	Medium	Possible	**Moderate**
		Amphineuron opulentum	Thelypteridacea	Native	Endangered	Climber	High	Negligible	Very low	Less likely	Negligible	Negligible	Very low	Possible	Minor

								Pre-mitigated				Post-mitigated (residual)			
Phase	Impact type	Species	Family	Origin	Status	Habit	Sensitivity	Impact intensity	Consequence	Likelihood	Impact significance	Impact intensity	Consequence	Likelihood	Impact significance
		Averrhoa carambola	Oxalidaceae	Exotic	Casual	Tree	Low	Negligible	Imperceptib	Less likely	Negligible	Negligible	Imperceptible	Possible	Negligible
		Bambusa heterostachya	Poaceae	Exotic	Casual	Shrub	Low	Negligible	Imperceptib	Less likely	Negligible	Medium	Very low	Possible	Minor
		Bambusa vulgaris	Poaceae	Exotic	Casual	Shrub	High	Negligible	Very low	Less likely	Negligible	Negligible	Very low	Possible	Minor
		Bridelia stipularis	Phyllanthaceae	Native	Vulnerable	Shrub	High	Negligible	Very low	Less likely	Negligible	Negligible	Very low	Possible	Minor
		Casuarina equisetifolia	Casuarinaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Less likely	Negligible	Medium	Low	Possible	Minor
		Cinnamomum iners	Lauraceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Less likely	Negligible	Negligible	Imperceptible	Possible	Negligible
		Claoxylon indicum	Euphorbiaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Less likely	Negligible	Negligible	Imperceptible	Possible	Negligible
		Commersonia bartramia	Malvaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Less likely	Negligible	Negligible	Imperceptible	Possible	Negligible
		Cyrtophyllum fragrans	Gentianaceae	Native	Common	Tree	Medium	Low	Very low	Less likely	Negligible	Medium	Low	Possible	Minor
		Dimocarpus longan	Sapindaceae	Exotic	Casual	Tree	Low	Negligible	Imperceptib	Less likely	Negligible	Negligible	Imperceptible	Possible	Negligible
		Dimocarpus longan ssp. *malesianus*	Sapindaceae	Exotic	Casual	Tree	Low	Negligible	Imperceptib	Less likely	Negligible	Negligible	Imperceptible	Possible	Negligible
		Elaeis guineensis	Arecaceae	Exotic	Cultivated Only	Tree	Low	Low	Very low	Less likely	Negligible	Low	Very low	Possible	Minor
		Endospermum sp.	Euphorbiaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Less likely	Negligible	High	High	Possible	**Moderate**
		Falcataria moluccana	Fabaceae	Exotic	Naturalised	Tree	Low	Low	Very low	Less likely	Negligible	Low	Very low	Possible	Minor
		Ficus aurata var. *aurata*	Moraceae	Native	Vulnerable	Tree	High	Negligible	Very low	Less likely	Negligible	Medium	Medium	Possible	**Moderate**
		Ficus fistulosa	Moraceae	Native	Common	Tree	High	Negligible	Very low	Less likely	Negligible	Negligible	Very low	Possible	Minor
		Ficus grossularioides var. *grossularioid*	Moraceae	Native	Common	Tree	High	Negligible	Very low	Less likely	Negligible	Negligible	Very low	Possible	Minor
		Ficus microcarpa	Moraceae	Native	Common	Strangle	High	Negligible	Very low	Less likely	Negligible	Negligible	Very low	Possible	Minor
		Ficus variegata	Moraceae	Native	Common	Tree	High	Negligible	Very low	Less likely	Negligible	Low	Low	Possible	Minor
		Guioa pubescens	Sapindaceae	Native	Vulnerable	Tree	High	Low	Low	Less likely	Minor	Medium	Medium	Possible	**Moderate**
		Gynochthodes rigida	Rubiaceae	Native	Presumed Extin	Climber	High	Negligible	Very low	Less likely	Negligible	Negligible	Very low	Possible	Minor
		Khaya nyasica	Meliaceae	Exotic	Not assessed	Tree	Low	Negligible	Imperceptib	Less likely	Negligible	Negligible	Imperceptible	Possible	Negligible
		Litsea firma	Lauraceae	Native	Vulnerable	Tree	High	Low	Low	Less likely	Minor	Low	Low	Possible	Minor
		Macaranga conifera	Euphorbiaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Less likely	Negligible	High	Medium	Possible	**Moderate**
		Macaranga gigantea	Euphorbiaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Less likely	Negligible	Negligible	Imperceptible	Possible	Negligible
		Macaranga griffithiana	Euphorbiaceae	Native	Vulnerable	Tree	High	Negligible	Very low	Less likely	Negligible	High	High	Possible	**Moderate**
		Macaranga hullettii	Euphorbiaceae	Native	Critically Endan	Tree	High	Negligible	Very low	Less likely	Negligible	Medium	Medium	Possible	**Moderate**
		Mangifera foetida	Anacardiaceae	Native	Vulnerable	Tree	Medium	High	Medium	Less likely	Minor	Negligible	Imperceptible	Possible	Negligible
		Mangifera indica	Anacardiaceae	Exotic	Casual	Tree	Low	Negligible	Imperceptib	Less likely	Negligible	Negligible	Imperceptible	Possible	Negligible
		Morella esculenta	Myricaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Less likely	Negligible	Negligible	Imperceptible	Possible	Negligible
		Nepenthes ampullaria	Nepenthaceae	Native	Vulnerable	Climber	High	Medium	Medium	Less likely	Minor	High	High	Possible	**Moderate**
		Nepenthes gracilis	Nepenthaceae	Native	Common	Climber	High	Low	Low	Less likely	Minor	Low	Low	Possible	Minor
		Nephelium lappaceum	Sapindaceae	Native	Critically Endan	Tree	Medium	Low	Very low	Less likely	Negligible	Low	Very low	Possible	Minor
		Pentaspadon motleyi	Anacardiaceae	Exotic	Cultivated Only	Tree	Low	Negligible	Imperceptib	Less likely	Negligible	Negligible	Imperceptible	Possible	Negligible
		Spathodea campanulata	Bignoniaceae	Exotic	Naturalised	Tree	Low	Negligible	Imperceptib	Less likely	Negligible	Negligible	Imperceptible	Possible	Negligible
		Sterculia parviflora	Malvaceae	Native	Critically Endan	Tree	High	Negligible	Very low	Less likely	Negligible	Negligible	Very low	Possible	Minor
		Strophanthus caudatus	Apocynaceae	Native	Endangered	Climber	High	Negligible	Very low	Less likely	Negligible	High	High	Possible	**Moderate**
		Syzygium grande	Myrtaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Less likely	Negligible	Medium	Low	Possible	Minor
		Syzygium lineatum	Myrtaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Less likely	Negligible	Negligible	Imperceptible	Possible	Negligible
		Terminalia catappa	Combretaceae	Native	Common	Tree	Medium	Negligible	Imperceptib	Less likely	Negligible	Low	Very low	Possible	Minor
		Uncaria cordata	Rubiaceae	Native	Endangered	Climber	High	Negligible	Very low	Less likely	Negligible	Negligible	Very low	Possible	Minor
		Uncaria longiflora var. *pteropoda*	Rubiaceae	Native	Critically Endan	Climber	High	Negligible	Very low	Less likely	Negligible	Negligible	Very low	Less likely	Negligible
Operational	Mortality	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Adenanthera pavonina	Fabaceae	Exotic	Naturalised	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Adinandra dumosa	Pentaphylacace	Native	Common	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Alsophila latebrosa	Cyatheaceae	Native	Vulnerable	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Alstonia angustifolia	Apocynaceae	Native	Common	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Amphineuron opulentum	Thelypteridacea	Native	Endangered	Climber	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Averrhoa carambola	Oxalidaceae	Exotic	Casual	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Bambusa heterostachya	Poaceae	Exotic	Casual	Shrub	Low	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Bambusa vulgaris	Poaceae	Exotic	Casual	Shrub	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Bridelia stipularis	Phyllanthaceae	Native	Vulnerable	Shrub	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Casuarina equisetifolia	Casuarinaceae	Native	Common	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Cinnamomum iners	Lauraceae	Native	Common	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Claoxylon indicum	Euphorbiaceae	Native	Common	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Commersonia bartramia	Malvaceae	Native	Common	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Cyrtophyllum fragrans	Gentianaceae	Native	Common	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Dimocarpus longan	Sapindaceae	Exotic	Casual	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Dimocarpus longan ssp. *malesianus*	Sapindaceae	Exotic	Casual	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Elaeis guineensis	Arecaceae	Exotic	Cultivated Only	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Endospermum sp.	Euphorbiaceae	Native	Vulnerable	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Falcataria moluccana	Fabaceae	Exotic	Naturalised	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Ficus aurata var. *aurata*	Moraceae	Native	Vulnerable	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Ficus fistulosa	Moraceae	Native	Common	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Ficus grossularioides var. *grossularioid*	Moraceae	Native	Common	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Ficus microcarpa	Moraceae	Native	Common	Strangle	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Ficus variegata	Moraceae	Native	Common	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Guioa pubescens	Sapindaceae	Native	Vulnerable	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Gynochthodes rigida	Rubiaceae	Native	Presumed Extin	Climber	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Khaya nyasica	Meliaceae	Exotic	Not assessed	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Litsea firma	Lauraceae	Native	Vulnerable	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Macaranga conifera	Euphorbiaceae	Native	Common	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Macaranga gigantea	Euphorbiaceae	Native	Common	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Macaranga griffithiana	Euphorbiaceae	Native	Vulnerable	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Macaranga hullettii	Euphorbiaceae	Native	Critically Endan	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor

								Pre-mitigated				Post-mitigated (residual)			
Phase	Impact type	Species	Family	Origin	Status	Habit	Sensitivity	Impact intensity	Consequence	Likelihood	Impact significance	Impact intensity	Consequence	Likelihood	Impact significance
		Mangifera foetida	Anacardiaceae	Native	Vulnerable	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Mangifera indica	Anacardiaceae	Exotic	Casual	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Morella esculenta	Myricaceae	Native	Common	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Nepenthes ampullaria	Nepenthaceae	Native	Vulnerable	Climber	High	High	High	Almost certain	**Major**	High	High	Almost certain	**Major**
		Nepenthes gracilis	Nepenthaceae	Native	Common	Climber	High	High	High	Almost certain	**Major**	High	High	Almost certain	**Major**
		Nephelium lappaceum	Sapindaceae	Native	Critically Endan	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Pentaspadon motleyi	Anacardiaceae	Exotic	Cultivated Only	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Spathodea campanulata	Bignoniaceae	Exotic	Naturalised	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Sterculia parviflora	Malvaceae	Native	Critically Endan	Tree	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Strophanthus caudatus	Apocynaceae	Native	Endangered	Climber	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Syzygium grande	Myrtaceae	Native	Common	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Syzygium lineatum	Myrtaceae	Native	Common	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Terminalia catappa	Combretaceae	Native	Common	Tree	Medium	Low	Very low	Possible	Minor	Low	Very low	Possible	Minor
		Uncaria cordata	Rubiaceae	Native	Endangered	Climber	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
		Uncaria longiflora var. *pteropoda*	Rubiaceae	Native	Critically Endan	Climber	High	Low	Low	Possible	Minor	Low	Low	Possible	Minor
	Competition from exotic plant species	*Acacia auriculiformis*	Fabaceae	Exotic	Naturalised	Tree	Low	Negligible	Imperceptib	Possible	Negligible	Negligible	Imperceptible	Less likely	Negligible
		Adenanthera pavonina	Fabaceae	Exotic	Naturalised	Tree	Low	Negligible	Imperceptib	Possible	Negligible	Negligible	Imperceptible	Less likely	Negligible
		Adinandra dumosa	Pentaphylacace	Native	Common	Tree	Medium	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Alsophila latebrosa	Cyatheaceae	Native	Vulnerable	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Alstonia angustifolia	Apocynaceae	Native	Common	Tree	Medium	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Amphineuron opulentum	Thelypteridacea	Native	Endangered	Climber	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Averrhoa carambola	Oxalidaceae	Exotic	Casual	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Less likely	Negligible
		Bambusa heterostachya	Poaceae	Exotic	Casual	Shrub	Low	Low	Very low	Possible	Minor	Low	Very low	Less likely	Negligible
		Bambusa vulgaris	Poaceae	Exotic	Casual	Shrub	High	Low	Low	Possible	Minor	Low	Low	Less likely	Minor
		Bridelia stipularis	Phyllanthaceae	Native	Vulnerable	Shrub	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Casuarina equisetifolia	Casuarinaceae	Native	Common	Tree	Medium	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Cinnamomum iners	Lauraceae	Native	Common	Tree	Medium	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Claoxylon indicum	Euphorbiaceae	Native	Common	Tree	Medium	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Commersonia bartramia	Malvaceae	Native	Common	Tree	Medium	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Cyrtophyllum fragrans	Gentianaceae	Native	Common	Tree	Medium	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Dimocarpus longan	Sapindaceae	Exotic	Casual	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Less likely	Negligible
		Dimocarpus longan ssp. *malesianus*	Sapindaceae	Exotic	Casual	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Less likely	Negligible
		Elaeis guineensis	Arecaceae	Exotic	Cultivated Only	Tree	Low	Medium	Very low	Possible	Minor	Medium	Very low	Less likely	Negligible
		Endospermum sp.	Euphorbiaceae	Native	Vulnerable	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Falcataria moluccana	Fabaceae	Exotic	Naturalised	Tree	Low	Negligible	Imperceptib	Possible	Negligible	Negligible	Imperceptible	Less likely	Negligible
		Ficus aurata var. *aurata*	Moraceae	Native	Vulnerable	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Ficus fistulosa	Moraceae	Native	Common	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Ficus grossularioides var. *grossularioide*	Moraceae	Native	Common	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Ficus microcarpa	Moraceae	Native	Common	Strangle	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Ficus variegata	Moraceae	Native	Common	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Guioa pubescens	Sapindaceae	Native	Vulnerable	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Gynochthodes rigida	Rubiaceae	Native	Presumed Extin	Climber	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Khaya nyasica	Meliaceae	Exotic	Not assessed	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Less likely	Negligible
		Litsea firma	Lauraceae	Native	Vulnerable	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Macaranga conifera	Euphorbiaceae	Native	Common	Tree	Medium	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Macaranga gigantea	Euphorbiaceae	Native	Common	Tree	Medium	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Macaranga griffithiana	Euphorbiaceae	Native	Vulnerable	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Macaranga hullettii	Euphorbiaceae	Native	Critically Endan	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Mangifera foetida	Anacardiaceae	Native	Vulnerable	Tree	Medium	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Mangifera indica	Anacardiaceae	Exotic	Casual	Tree	Low	Low	Very low	Possible	Minor	Low	Very low	Less likely	Negligible
		Morella esculenta	Myricaceae	Native	Common	Tree	Medium	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Nepenthes ampullaria	Nepenthaceae	Native	Vulnerable	Climber	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Nepenthes gracilis	Nepenthaceae	Native	Common	Climber	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Nephelium lappaceum	Sapindaceae	Native	Critically Endan	Tree	Medium	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Pentaspadon motleyi	Anacardiaceae	Exotic	Cultivated Only	Tree	Low	Medium	Very low	Possible	Minor	Medium	Very low	Less likely	Negligible
		Spathodea campanulata	Bignoniaceae	Exotic	Naturalised	Tree	Low	Negligible	Imperceptib	Possible	Negligible	Negligible	Imperceptible	Less likely	Negligible
		Sterculia parviflora	Malvaceae	Native	Critically Endan	Tree	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Strophanthus caudatus	Apocynaceae	Native	Endangered	Climber	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Syzygium grande	Myrtaceae	Native	Common	Tree	Medium	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Syzygium lineatum	Myrtaceae	Native	Common	Tree	Medium	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Terminalia catappa	Combretaceae	Native	Common	Tree	Medium	High	Medium	Possible	**Moderate**	High	Medium	Less likely	Minor
		Uncaria cordata	Rubiaceae	Native	Endangered	Climber	High	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Uncaria longiflora var. *pteropoda*	Rubiaceae	Native	Critically Endan	Climber	High	High	High	Less likely	Minor	High	High	Less likely	Minor

										Pre-mitigated				Post-mitigated (Residual)			
Phase	**Impact type**	**Taxon**	**Scientific name**	**Common name**	**National status**	**Global status**	**Location of records**	**Ecological value**	**Sensitivity**	**Impact intensity**	**Consequence**	**Likelihood**	**Impact significance**	**Impact intensity**	**Consequence**	**Likelihood**	**Impact significance**
Construction	Lossof/reduction in habitats and food sources	Butterfly	Troides helena cerberus	Common birdwing	Vulnerable	Not Assessed; CITES protected (Appendix II)	V	High	Priority 1	High	High	Possible	**Moderate**	High	High	Possible	**Moderate**
		Odonate	Indothemis limbata	Restless demon	Endangered	Least Concern	V	High	Priority 1	High	High	Certain	**Major**	High	High	Certain	**Major**
		Bird	Nisaetus cirrhatus	Changeable hawk-eagle	Endangered	Least Concern	V	High	Priority 1	High	High	Possible	**Moderate**	High	High	Possible	**Moderate**
		Bird	Vanellus indicus	Red-wattled lapwing	Endangered	Least Concern	V	High	Priority 1	High	High	Certain	**Major**	High	High	Certain	**Major**
		Bird	Gallus gallus	Red junglefowl	Endangered	Least Concern	IV, V	High	Priority 1	High	High	Possible	**Moderate**	High	High	Possible	**Moderate**
		Bird	Halcyon coromanda	Ruddy kingfisher	Critically Endangered	Least Concern	IV	High	Priority 1	High	High	Possible	**Moderate**	High	High	Possible	**Moderate**
		Bird	Loriculus galgulus	Blue-crowned hanging-parrot	Endangered	Least Concern	IV, V	High	Priority 1	High	High	Possible	**Moderate**	High	High	Possible	**Moderate**
		Bird	Psittacula longicauda	Long-tailed parakeet	Not Assessed	Vulnerable	IV, V	High	Priority 1	High	High	Possible	**Moderate**	High	High	Possible	**Moderate**
		Bird	Pycnonotus zeylanicus	Straw-headed bulbul	Endangered	Critically Endangered	V	High	Priority 1	High	High	Possible	**Moderate**	High	High	Possible	**Moderate**
		Bird	Rallina fasciata	Red-legged crake	Vulnerable	Least Concern	IV, V	High	Priority 1	High	High	Possible	**Moderate**	High	High	Possible	**Moderate**
		Mammal	Manis javanica	Sunda pangolin	Critically Endangered	Critically Endangered	V	High	Priority 1	High	High	Possible	**Moderate**	High	High	Possible	**Moderate**
	Loss of ecological connectivity for faunal movement	Butterfly	Troides helena cerberus	Common birdwing	Vulnerable	Not Assessed; CITES protected (Appendix II)	V	High	Priority 1	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Odonate	Indothemis limbata	Restless demon	Endangered	Least Concern	V	High	Priority 1	High	High	Less likely	Minor	High	High	Less likely	Minor
		Bird	Nisaetus cirrhatus	Changeable hawk-eagle	Endangered	Least Concern	V	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Vanellus indicus	Red-wattled lapwing	Endangered	Least Concern	V	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Gallus gallus	Red junglefowl	Endangered	Least Concern	IV, V	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Halcyon coromanda	Ruddy kingfisher	Critically Endangered	Least Concern	IV	High	Priority 1	High	High	Less likely	Minor	High	High	Less likely	Minor
		Bird	Loriculus galgulus	Blue-crowned hanging-parrot	Endangered	Least Concern	IV, V	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Psittacula longicauda	Long-tailed parakeet	Not Assessed	Vulnerable	IV, V	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Pycnonotus zeylanicus	Straw-headed bulbul	Endangered	Critically Endangered	V	High	Priority 1	High	High	Less likely	Minor	High	High	Less likely	Minor
		Bird	Rallina fasciata	Red-legged crake	Vulnerable	Least Concern	IV, V	High	Priority 1	High	High	Less likely	Minor	High	High	Less likely	Minor
		Mammal	Manis javanica	Sunda pangolin	Critically Endangered	Critically Endangered	V	High	Priority 1	Medium	Medium	Less likely	Minor	Medium	Medium	Less likely	Minor
	Injury or mortality	Butterfly	Troides helena cerberus	Common birdwing	Vulnerable	Not Assessed; CITES protected (Appendix II)	V	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Odonate	Indothemis limbata	Restless demon	Endangered	Least Concern	V	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Nisaetus cirrhatus	Changeable hawk-eagle	Endangered	Least Concern	V	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Vanellus indicus	Red-wattled lapwing	Endangered	Least Concern	V	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Gallus gallus	Red junglefowl	Endangered	Least Concern	IV, V	High	Priority 1	Medium	Medium	Possible	**Moderate**	Medium	Medium	Less likely	Minor
		Bird	Halcyon coromanda	Ruddy kingfisher	Critically Endangered	Least Concern	IV	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Loriculus galgulus	Blue-crowned hanging-parrot	Endangered	Least Concern	IV, V	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Psittacula longicauda	Long-tailed parakeet	Not Assessed	Vulnerable	IV, V	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Pycnonotus zeylanicus	Straw-headed bulbul	Endangered	Critically Endangered	V	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Rallina fasciata	Red-legged crake	Vulnerable	Least Concern	IV, V	High	Priority 1	Medium	Medium	Possible	**Moderate**	Medium	Medium	Less likely	Minor
		Mammal	Manis javanica	Sunda pangolin	Critically Endangered	Critically Endangered	V	High	Priority 1	High	High	Possible	**Moderate**	High	High	Less likely	Minor
Operational	Collisions with buildings (birds only)	Bird	Nisaetus cirrhatus	Changeable hawk-eagle	Endangered	Least Concern	V	High	Priority 1	Medium	Medium	Less likely	Minor	Medium	Medium	Less likely	Minor
		Bird	Vanellus indicus	Red-wattled lapwing	Endangered	Least Concern	V	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor

										Pre-mitigated				Post-mitigated (Residual)			
Phase	Impact type	Taxon	Scientific name	Common name	National status	Global status	Location of records	Ecological value	Sensitivity	Impact intensity	Consequence	Likelihood	Impact significance	Impact intensity	Consequence	Likelihood	Impact significance
		Bird	Gallus gallus	Red junglefowl	Endangered	Least Concern	IV, V	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Halcyon coromanda	Ruddy kingfisher	Critically Endangered	Least Concern	IV	High	Priority 1	High	High	Possible	**Moderate**	High	High	Less likely	Minor
		Bird	Loriculus galgulus	Blue-crowned hanging-parrot	Endangered	Least Concern	IV, V	High	Priority 1	HIgh	High	Less likely	Minor	HIgh	High	Less likely	Minor
		Bird	Psittacula longicauda	Long-tailed parakeet	Not Assessed	Vulnerable	IV, V	High	Priority 1	HIgh	High	Less likely	Minor	HIgh	High	Less likely	Minor
		Bird	Pycnonotus zeylanicus	Straw-headed bulbul	Endangered	Critically Endangered	V	High	Priority 1	HIgh	High	Possible	**Moderate**	HIgh	High	Less likely	Minor
		Bird	Rallina fasciata	Red-legged crake	Vulnerable	Least Concern	IV, V	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
	Loss of ecological connectivity for faunal movement	Butterfly	Troides helena cerberus	Common birdwing	Vulnerable	Not Assessed; CITES protected (Appendix II)	V	High	Priority 1	Negligible	Very low	Unlikely	Negligible	Negligible	Very low	Unlikely	Negligible
		Odonate	Indothemis limbata	Restless demon	Endangered	Least Concern	V	High	Priority 1	High	High	Less likely	Minor	High	High	Less likely	Minor
		Bird	Nisaetus cirrhatus	Changeable hawk-eagle	Endangered	Least Concern	V	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Vanellus indicus	Red-wattled lapwing	Endangered	Least Concern	V	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Gallus gallus	Red junglefowl	Endangered	Least Concern	IV, V	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Halcyon coromanda	Ruddy kingfisher	Critically Endangered	Least Concern	IV	High	Priority 1	High	High	Less likely	Minor	High	High	Less likely	Minor
		Bird	Loriculus galgulus	Blue-crowned hanging-parrot	Endangered	Least Concern	IV, V	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Psittacula longicauda	Long-tailed parakeet	Not Assessed	Vulnerable	IV, V	High	Priority 1	Low	Low	Less likely	Minor	Low	Low	Less likely	Minor
		Bird	Pycnonotus zeylanicus	Straw-headed bulbul	Endangered	Critically Endangered	V	High	Priority 1	High	High	Less likely	Minor	High	High	Less likely	Minor
		Bird	Rallina fasciata	Red-legged crake	Vulnerable	Least Concern	IV, V	High	Priority 1	High	High	Less likely	Minor	High	High	Less likely	Minor
		Mammal	Manis javanica	Sunda pangolin	Critically Endangered	Critically Endangered	V	High	Priority 1	Medium	Medium	Less likely	Minor	Medium	Medium	Less likely	Minor
	Injury or mortality	Butterfly	Troides helena cerberus	Common birdwing	Vulnerable	Not Assessed; CITES protected (Appendix II)	V	High	Priority 1	Low	Low	Unlikely	Negligible	Low	Low	Unlikely	Negligible
		Odonate	Indothemis limbata	Restless demon	Endangered	Least Concern	V	High	Priority 1	Low	Low	Unlikely	Negligible	Low	Low	Unlikely	Negligible
		Bird	Nisaetus cirrhatus	Changeable hawk-eagle	Endangered	Least Concern	V	High	Priority 1	Low	Low	Unlikely	Negligible	Low	Low	Unlikely	Negligible
		Bird	Vanellus indicus	Red-wattled lapwing	Endangered	Least Concern	V	High	Priority 1	Low	Low	Unlikely	Negligible	Low	Low	Unlikely	Negligible
		Bird	Gallus gallus	Red junglefowl	Endangered	Least Concern	IV, V	High	Priority 1	Medium	Medium	Possible	**Moderate**	Medium	Medium	Less likely	Minor
		Bird	Halcyon coromanda	Ruddy kingfisher	Critically Endangered	Least Concern	IV	High	Priority 1	Low	Low	Unlikely	Negligible	Low	Low	Unlikely	Negligible
		Bird	Loriculus galgulus	Blue-crowned hanging-parrot	Endangered	Least Concern	IV, V	High	Priority 1	Low	Low	Unlikely	Negligible	Low	Low	Unlikely	Negligible
		Bird	Psittacula longicauda	Long-tailed parakeet	Not Assessed	Vulnerable	IV, V	High	Priority 1	Low	Low	Unlikely	Negligible	Low	Low	Unlikely	Negligible
		Bird	Pycnonotus zeylanicus	Straw-headed bulbul	Endangered	Critically Endangered	V	High	Priority 1	Low	Low	Unlikely	Negligible	Low	Low	Unlikely	Negligible
		Bird	Rallina fasciata	Red-legged crake	Vulnerable	Least Concern	IV, V	High	Priority 1	Medium	Medium	Less likely	Minor	Medium	Medium	Less likely	Minor
		Mammal	Manis javanica	Sunda pangolin	Critically Endangered	Critically Endangered	V	High	Priority 1	High	High	Possible	**Moderate**	High	High	Less likely	Minor

Appendix S

Construction Worksite Inventory

Appendix DD Rope Bridge Specification

The main objective of the rope bridge is to provide a permanent canopy connection across Island Club Road for arboral fauna such as the nationally Critically Endangered Raffle banded langur (*Presbytis femoralis femoralis*) and Sunda slow loris (*Nycticebus coucang*). Three tentative locations have been proposed along Island Club Road (Figure 1). These locations were chosen due to the following justification detailed in Table 1.

Nonetheless, the rope bridge proposed should be guided by the following specifications shown in Figure 2. There are however a few things to take note:

1. Width between the two poles should at least span the width of Island Club Road.
2. Height of the poles ideally should reach the height of the existing canopy in the area, if not it should minimally be 5m from the ground.
3. To bridge the gap between the pole and the forest on either side of Island Club Road (i.e. northern forest fragment and Windsor Nature Park), a rope should extent into the canopy. Specification of this rope should follow specification of the rope used for the bridge.
4. Proposed locations and specifications would still require LTA and technical agencies such as NParks to finalise prior to construction of the rope bridges.



Figure 1. Propose locations where rope bridges can be placed along Island Club Road

Appendix DD Rope Bridge Specification

Table 1. Justification of rope bridge location

Rope Bridge Location	Justification	Photos
RB_01	• Raffles banded langur, Malayan colugo and. flying squirrels have been sighted along this stretch, indicating the potential use of the stretch (refer to Section 7.3.3.3.11). • There is currently no canopy connection. However, existing site condition of the canopy has potential for a natural canopy to form if not for the constant pruning of trees. By placing one here, this can act as an enhancement measure to improve connectivity along this stretch. • Existing landscape is a line of planted coconut trees running parallel to the road which can act as poles for the bridge (i.e. no poles are needed for the rope bridges; rope bridges will be attached directly to the trees).	 
RB_02	• Location proposed is existing canopy connection. However, it is pruned regularly. By placing a rope bridge nearby, helps to ensure a permanent connection for arboreal mammals.	 

Appendix DD Rope Bridge Specification

Rope Bridge Location	Justification	Photos
RB_03	• Currently, landscape on either side of the road is relatively open. Rope bridge has to be accompanied by enhancement planting.	 

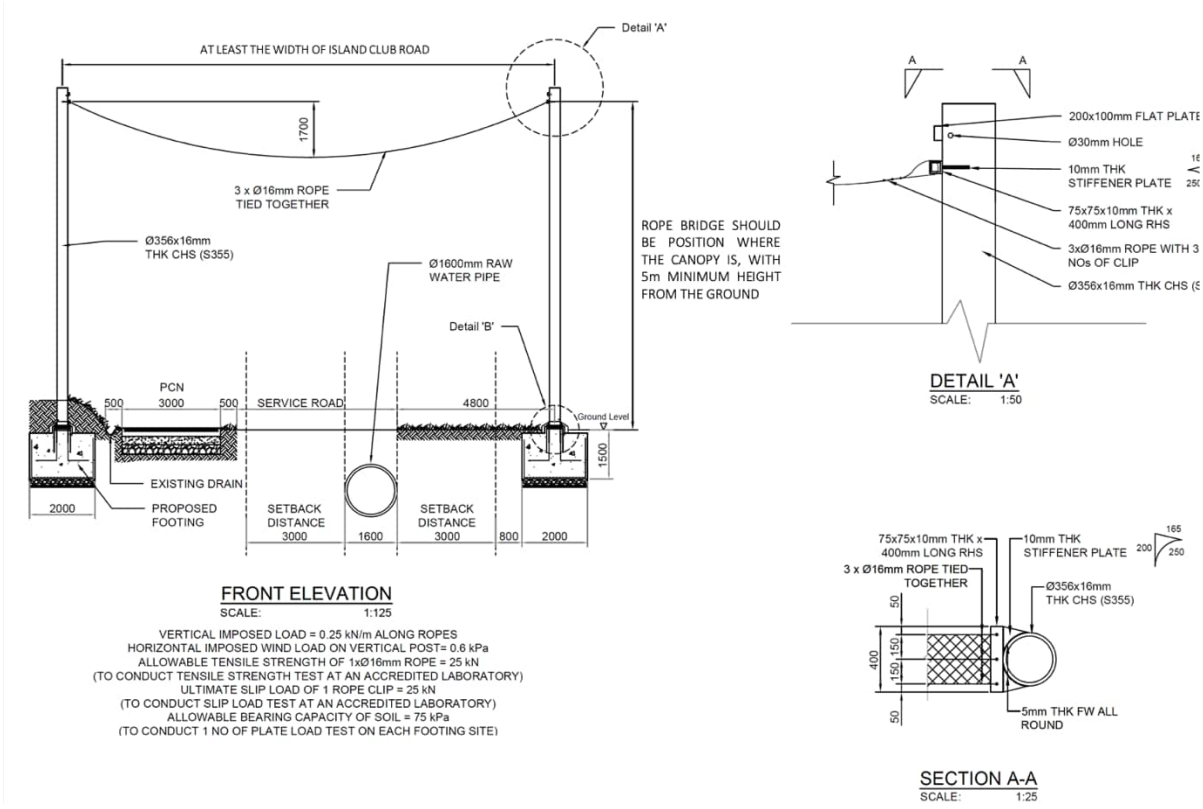


Figure 2. Specification of rope bridge

Appendix T

Vibration Impact Predications and Assessment Details

The maximum PPV and impact significances for tunnel boring and rock breaking using the BS5228-2:2009+A1:2004 guideline can be seen in Table 1, impact significances can be seen in Table 2, and heat maps can be seen in Figure T-1 to FigureT-5.

Table 1 Summary of Maximum PPV of Construction Activities for Base and Mitigated Scenarios

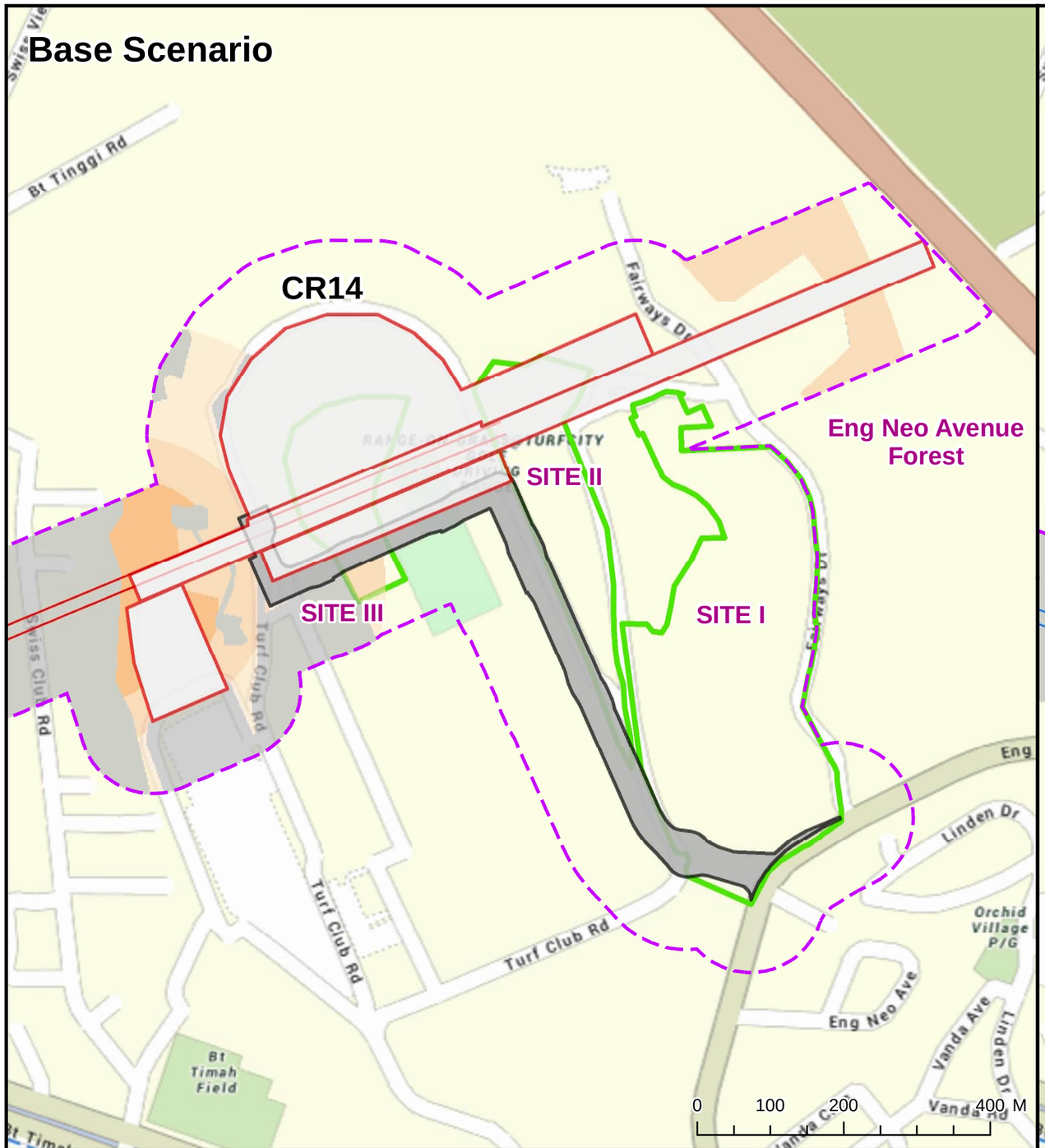
Construction Worksite	Construction Activities	Scenario	Max Predicted PPV, mm/s		
			Biodiversity Area – Site I	Biodiversity Area – Site II	Biodiversity Area – Site III
Turf City	Tunnel Boring Machine (Hypothetical Overall)	Base	0.04	0.05	0.11
		Mitigated	0.1	0.1	0.4
	Tunnel Boring Machine (Spot)	Base	0.04	0.05	0.11
		Mitigated	0.1	0.1	0.4
	Rock Breaking and Excavation	Base	N/A	N/A	N/A
		Mitigated	0.4	6.8	0.4
Construction Worksite	**Construction Activities**	**Scenario**	**Max Predicted PPV, mm/s**		
			Biodiversity Study Area – Site IV		**Biodiversity Study Area – Site V**
Holland Plain	Tunnel Boring Machine (Hypothetical Overall)	Base	1.5		0.3
		Mitigated	1.1		0.3
	Tunnel Boring Machine (Spot)	Base	1.1		0.2
		Mitigated	1.0		0.3

Table 2 Summary of Impact Significances of Construction Activities for Base and Mitigated Scenarios

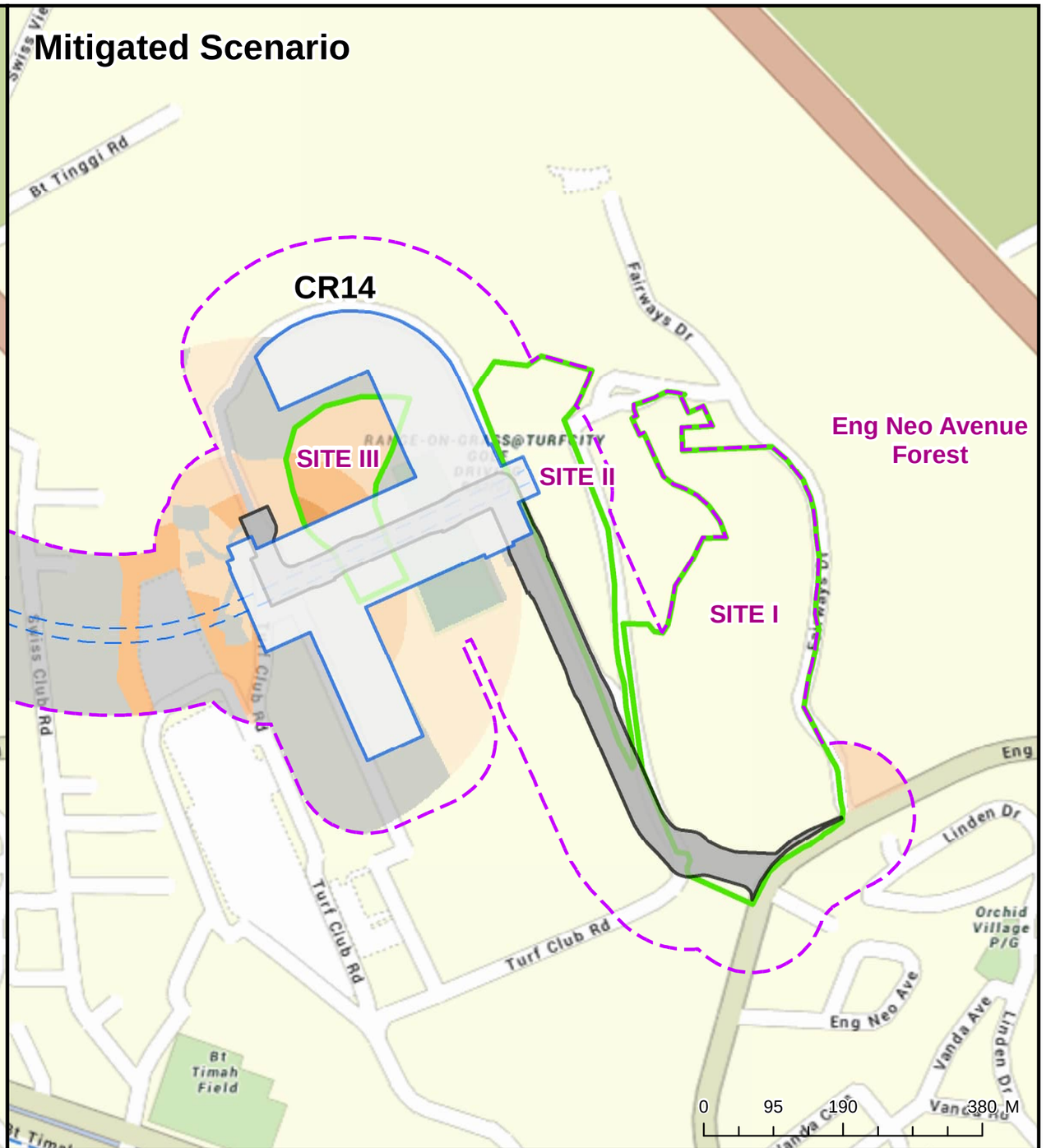
Construction Worksite and Activities	Base Scenario Impact Significance			Mitigation Measures	Mitigated Scenario Impact Significance			Changes in Impact Significance (Increased/Decreased/No Change?)	Further Mitigation Measures	Resultant Impact Significance
	Site I	Site II	Site III		Site I	Site II	Site III			
Turf City										
Rock Breaking and Excavation	N/A	N/A	N/A	N/A	Minor – Moderate Moderate, 0.1	Minor – Major Moderate, 0.9 Major, 2.5	Minor – Major Moderate, 1.2 Major, 0.3	Increased	1. No night works after 7 pm should be conducted. 2. Temporary barriers (i.e. water barriers of 1 m height) should be implemented. 3. Hoardings must be ensured at all worksites. These will potentially mitigate roadkills due to the impacted fauna trying to dash onto the road during construction activities.	Minor – Moderate
Tunnel Boring Machine (Hypothetical Overall)	Not affected	Not affected	Minor	No further mitigation measures are required.	Not affected	Not affected	Minor	No Change	Not required as impact significance is Minor	Minor
Tunnel Boring Machine (Spot)	Not affected	Not affected	Minor		Not affected	Not affected	Minor	No Change		Minor
Construction Worksite and Activities	**Base Scenario Impact Significance**			**Mitigation Measures**	**Mitigated Scenario Impact Significance**			**Changes in Impact Significance (Increased/Decreased/No Change?)**	**Further Mitigation Measures**	**Resultant Impact Significance**
	Site IV	**Site V**			**Site IV**	**Site V**				
Holland Plain										
Tunnel Boring Machine	Minor – Moderate	Minor		Optimization of the worksite, reducing coverage within	Minor – Moderate	Minor		No Change	Not required as impact significance is Minor	Minor

(Hypothetical Overall)	Moderate, < 0.1 ha		Biodiversity Study Areas.	Moderate, 0.4 ha				
Tunnel Boring Machine (Spot)	Minor – Moderate Moderate, < 0.1 ha	Minor		Minor – Moderate Moderate, 0.1 ha	Minor			Minor
Summary: Overall, the construction activities produce impact significances of **Negligible, Minor, Moderate** and **Major**. • For **Negligible** impact significances, there should be no detectable behavioural change to indicator species; • For **Minor** impact significances, some sensitive fauna may be impacted, while other species may avoid the area because of the increased levels of activity in the area. Many species would become habituated to the tunnel boring machine and would return to normal activity in a few days when the machine has passed by; • For **Moderate** impact significances, it may impact sensitive fauna on their day to day activities (communication/ foraging/ breeding activities) for a short period in the zone of impact and may leave the area. Displacement is expected to be temporary, and they are expected to return after a while; and • For **Major** impact significances, it may cause permanent effects and affected indicator species are not expected to adapt to using this area. Thus, it is reasonable to assume that vibration from tunnel boring may impact part of their habitat (pangolins' burrows), breeding and foraging opportunities. The mousedeer (*Tragulus kanchil*) and Sunda pangolin (*Manis javanica*) may move out of affected areas during the day and return at night to forage in these areas where food sources are available nearby. • During rock breaking and excavation, sensitive fauna may also flee, freeze or be frightened by the instantaneous vibration. Thus, future mitigation measures and EMMP are recommended as discussed in Section 13.11.								

Base Scenario



Mitigated Scenario



Legend

- Proposed CRL Alignment (Base)
- Proposed CRL Alignment (Mitigated)
- Base Scenario Construction Worksite Footprint
- Mitigated Scenario Concstruction Worksite Footprint
- Planned Roadworks
- Study Area
- Biodiversity Study Area

Impact Significance

- Below Ambient
- Negligible
- Minor
- Moderate
- Major
- Not Assessible

N

Rev.	Date	By	Description	Chk'd	App'd
-	JULY 2022	EGY	EIS (Turf City and Holland Plain)	JAG/NHT	JAG

Qualified Person Endorsement : NA

LTA Endorsement : NA

Consultant : AECOM

Land Transport Authority — We Keep Your World Moving

Project Title :

CONTRACT CR2005 ENVIRONMENTAL IMPACT STUDY (TURF CITY AND HOLLAND PLAIN)

Figure Title :

IMPACT SIGNIFICANCE COMPARISON FOR TUNNEL BORING, BS (HYPOTHETICAL OVERALL) AT TURF CITY

Designed	Checked	Approved	Figure No. :	Rev.	Sheet
EGY	JAG/NHT	JAG	T - 1	-	1 of 1
	Drawn EGY	Date JULY 2022	CAD File Name : NA		A3

Note: Source of basemap - OneMap

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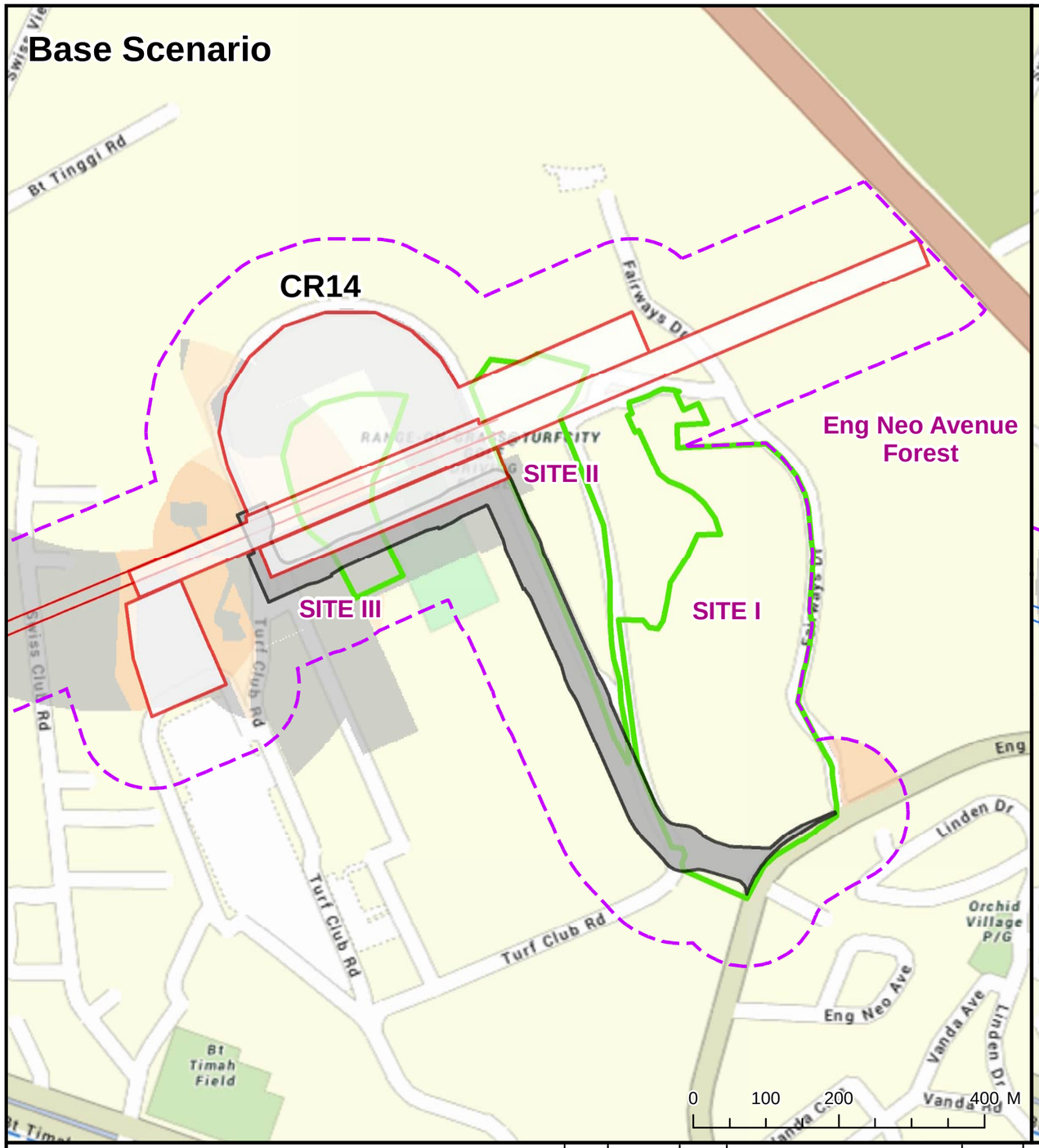
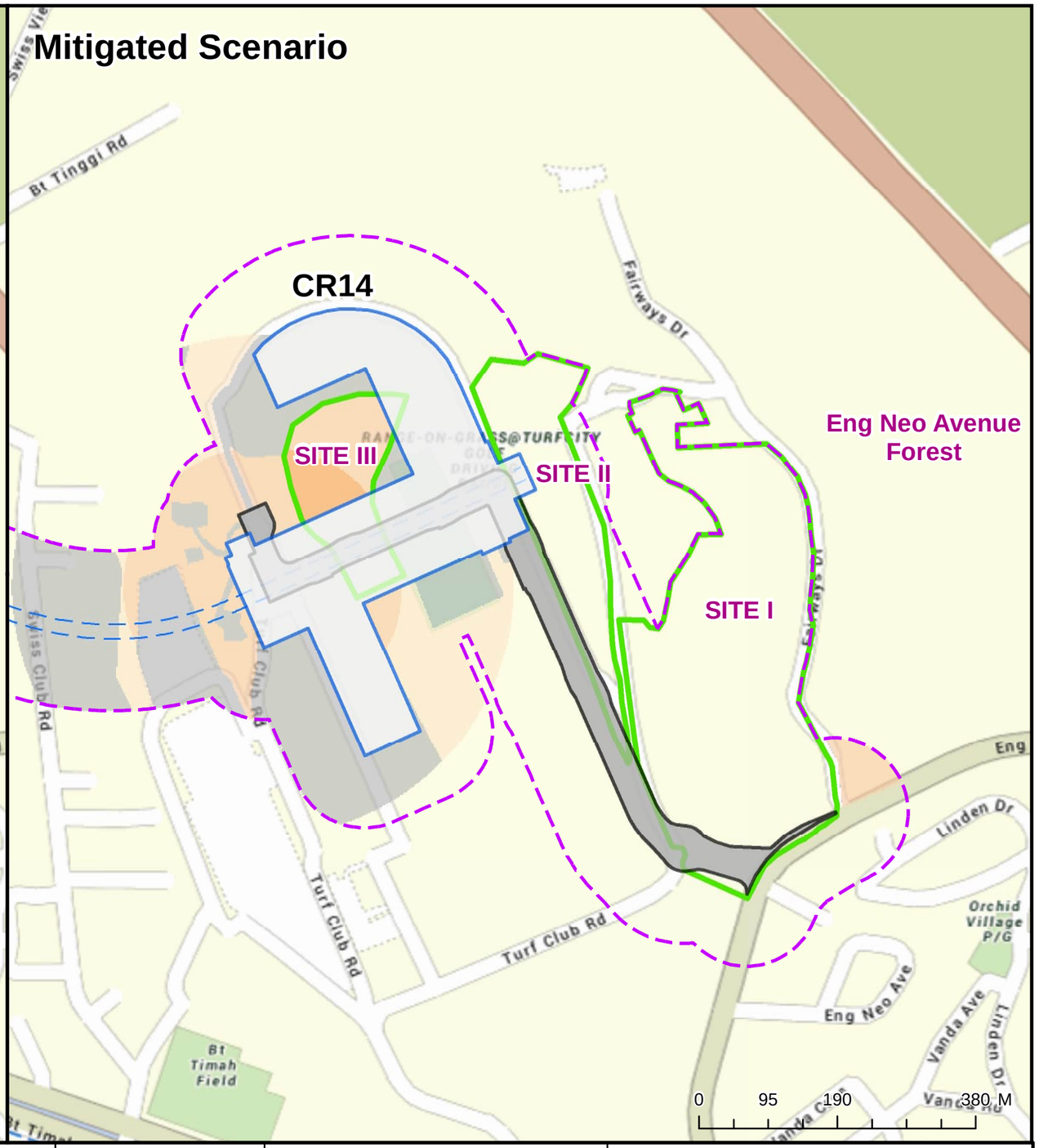
Base Scenario



Mitigated Scenario



Legend

- Proposed CRL Alignment (Base)
- Proposed CRL Alignment (Mitigated)
- Base Scenario Construction Worksite Footprint
- Mitigated Scenario Concstruction Worksite Footprint
- Planned Roadworks
- Study Area
- Biodiversity Study Area

Impact Significance

- Below Ambient
- Negligible
- Minor
- Moderate
- Not Assessible

N

Rev.	Date	By	Description	Chk'd	App'd
-	JULY 2022	EGY	EIS (Turf City and Holland Plain)	JAG/NHT	JAG

Qualified Person Endorsement :
NA

LTA Endorsement :
NA

Consultant : AECOM

Project Title :

CONTRACT CR2005
ENVIRONMENTAL IMPACT STUDY
(TURF CITY AND HOLLAND PLAIN)

Designed	Checked	Approved
EGY	JAG/NHT	JAG
	Drawn EGY	Date JULY 2022

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Figure Title :

IMPACT SIGNIFICANCE COMPARISON FOR BS TUNNEL BORING MACHINE (SPOT) AT TURF CITY

Figure No. :	Rev.	Sheet
T-2	-	1 of 1

CAD File Name : NA | A3

Note: Source of basemap - OneMap

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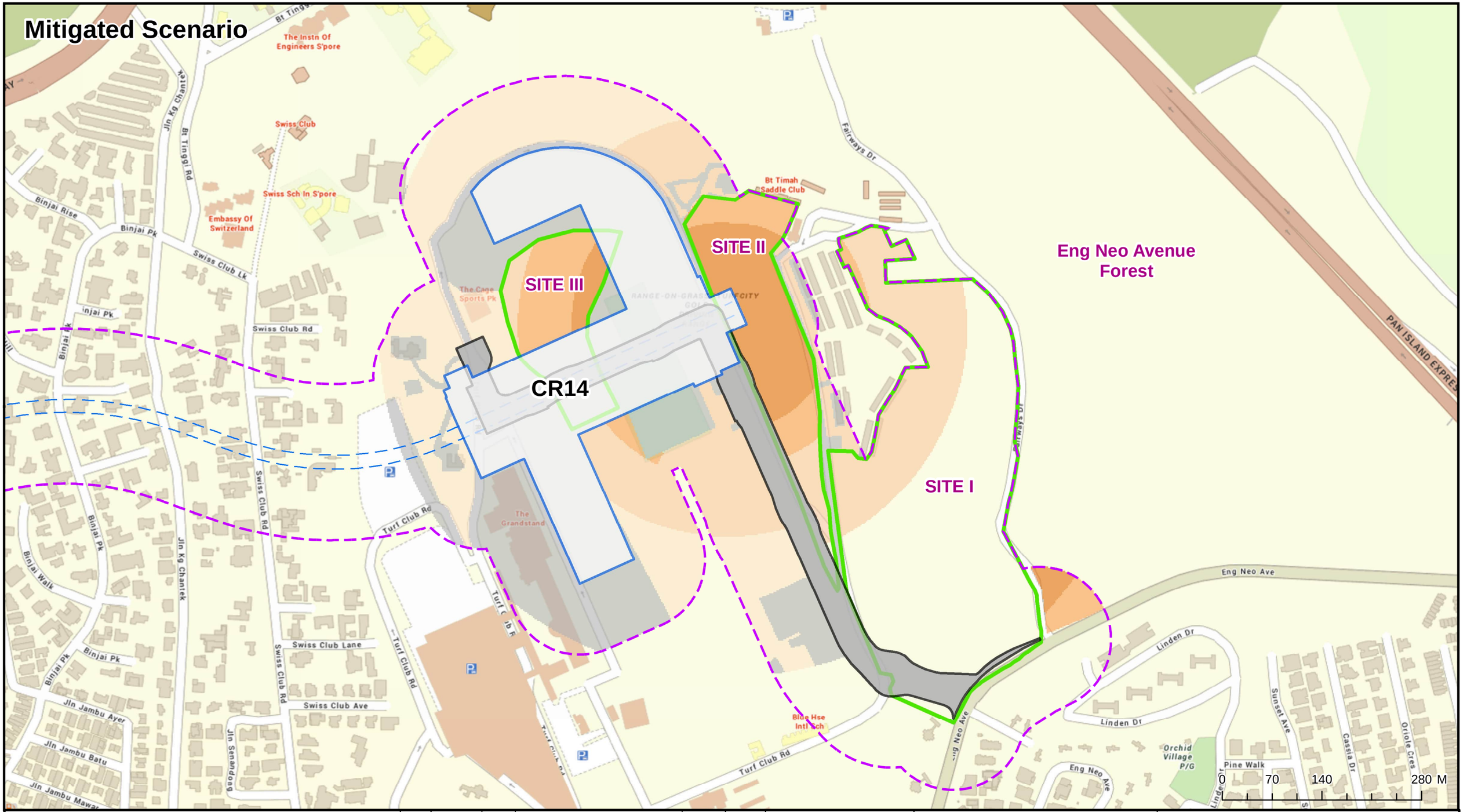
Mitigated Scenario



Legend

- Proposed CRL Alignment (Mitigated)
- Mitigated Scenario Concstruction Worksite Footprints
- Planned Roadworks
- Study Area (Mitigated)
- Biodiversity Study Area

Rev.	Date	By	Description	Chk'd	App'd
-	JULY 2022	EGY	EIS (Turf City and Holland Plain)	JAG/NHT	JAG

Qualified Person Endorsement : NA

LTA Endorsement : NA

Consultant : AECOM

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Project Title :

CONTRACT CR2005 ENVIRONMENTAL IMPACT STUDY (TURF CITY AND HOLLAND PLAIN)

Figure Title :

VIBRATION ASSESSMENT FOR BS ROCK BREAKING AND EXCAVATION AT TURF CITY MITIGATED SCENARIO

Designed	Checked	Approved
EGY	JAG/NHT	JAG
	Drawn EGY	Date JULY 2022

Figure No. : T-3 | Rev. - | Sheet 1 of 1

CAD File Name : NA | A3

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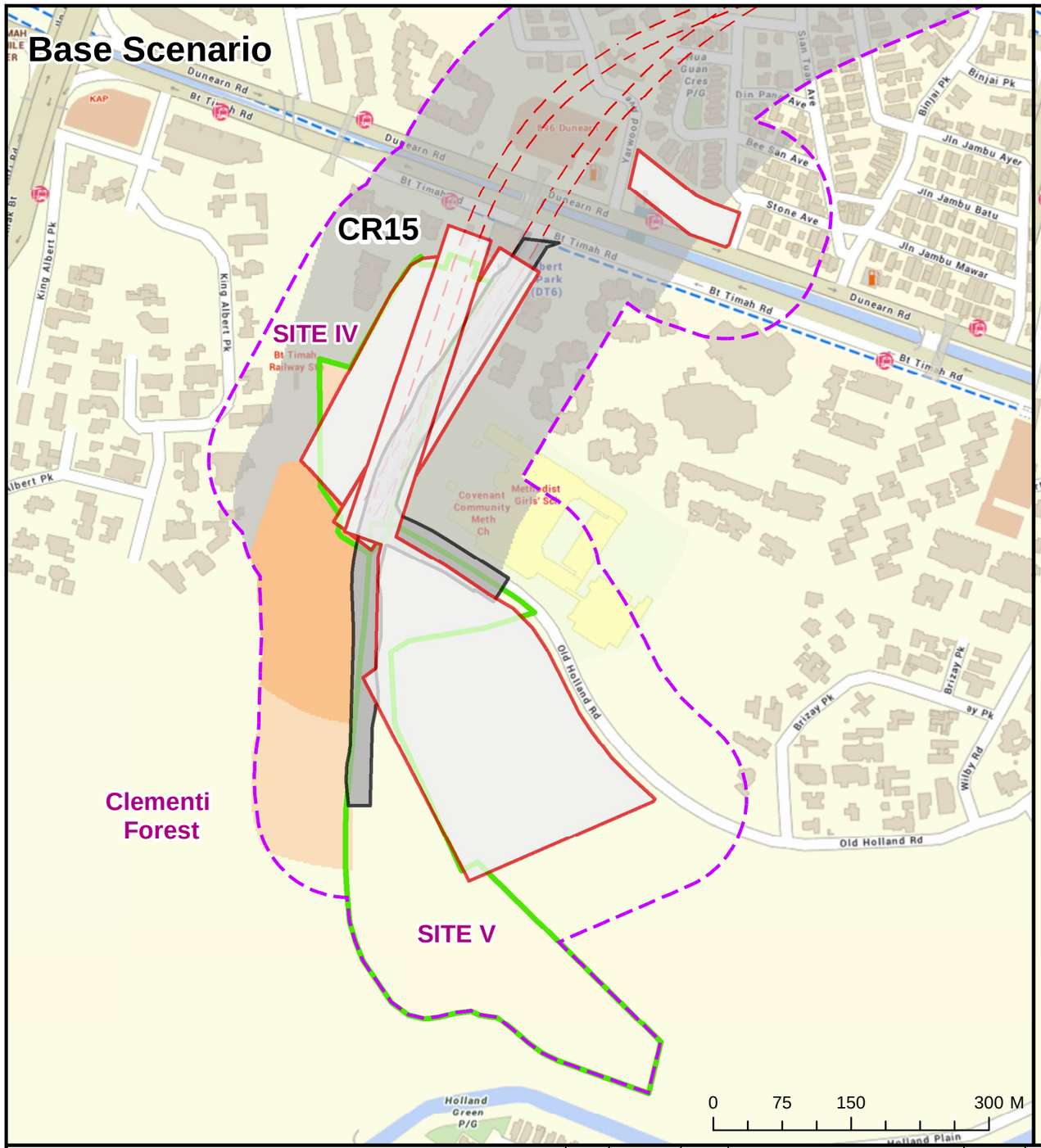
Base Scenario



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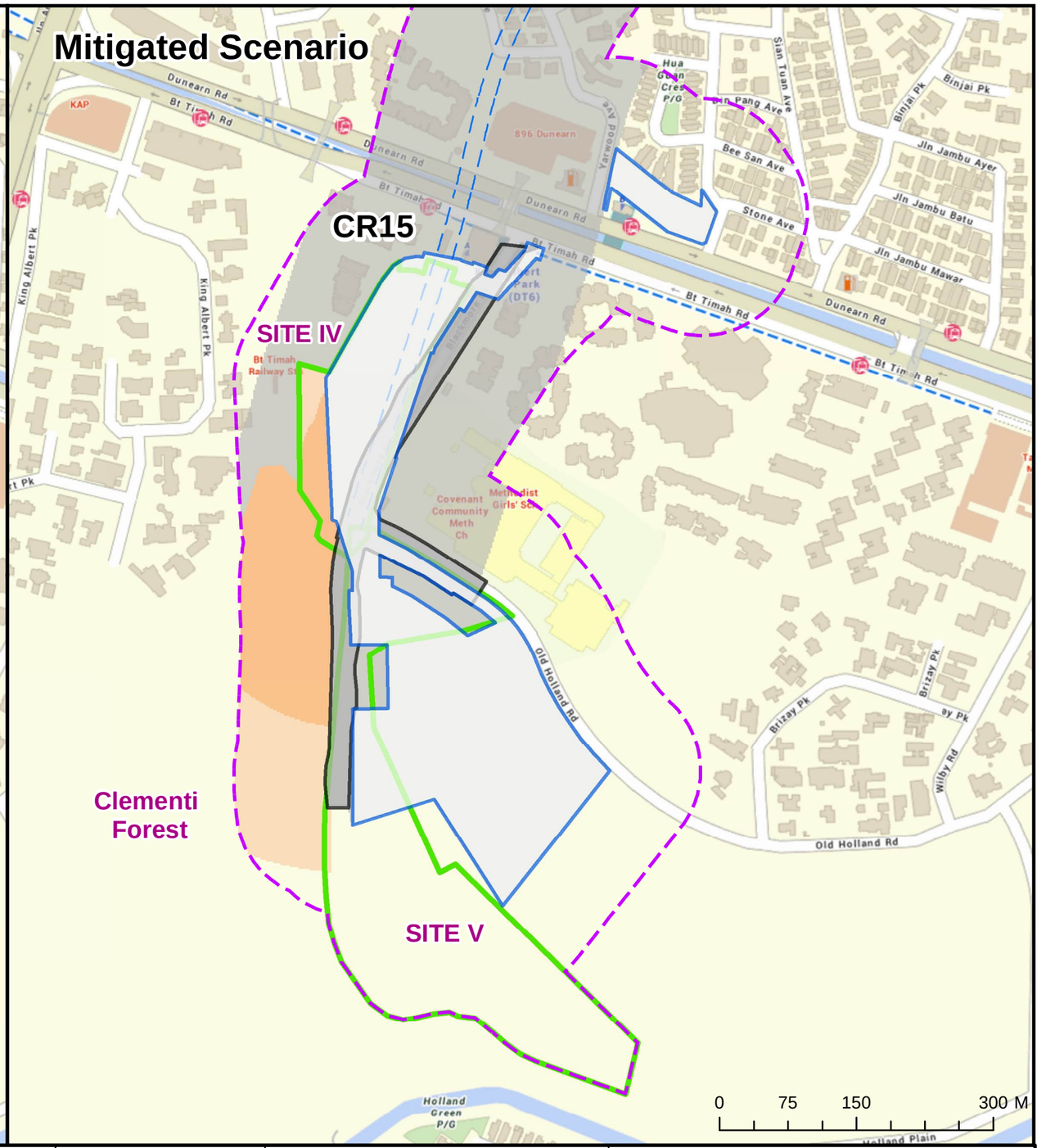

Legend

- Proposed CRL Alignment (Base)
- Proposed CRL Alignment (Mitigated)
- Base Scenario Construction Worksite Footprint
- Mitigated Scenario Concstruction Worksite Footprint
- Planned Roadworks
- Study Area
- Biodiversity Study Area

Impact Significance

- Below Ambient
- Minor
- Moderate
- Not Assessible

N

Rev.	Date	By	Description	Chk'd	App'd
-	JULY 2022	EGY	EIS (Turf City and Holland Plain)	JAG/NHT	JAG

Qualified Person Endorsement :
NA

LTA Endorsement :
NA

Consultant : AECOM

Project Title :
CONTRACT CR2005
ENVIRONMENTAL IMPACT STUDY
(TURF CITY AND HOLLAND PLAIN)

Designed	Checked	Approved
EGY	JAG/NHT	JAG
	Drawn: EGY	Date: JULY 2022

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Figure Title :
IMPACT SIGNIFICANCE COMPARISON FOR TUNNEL BORING MACHINE (BS)

Figure No. :	Rev.	Sheet
T - 5	-	1 of 1

CAD File Name : NA — A3

Note: Source of basemap - OneMap

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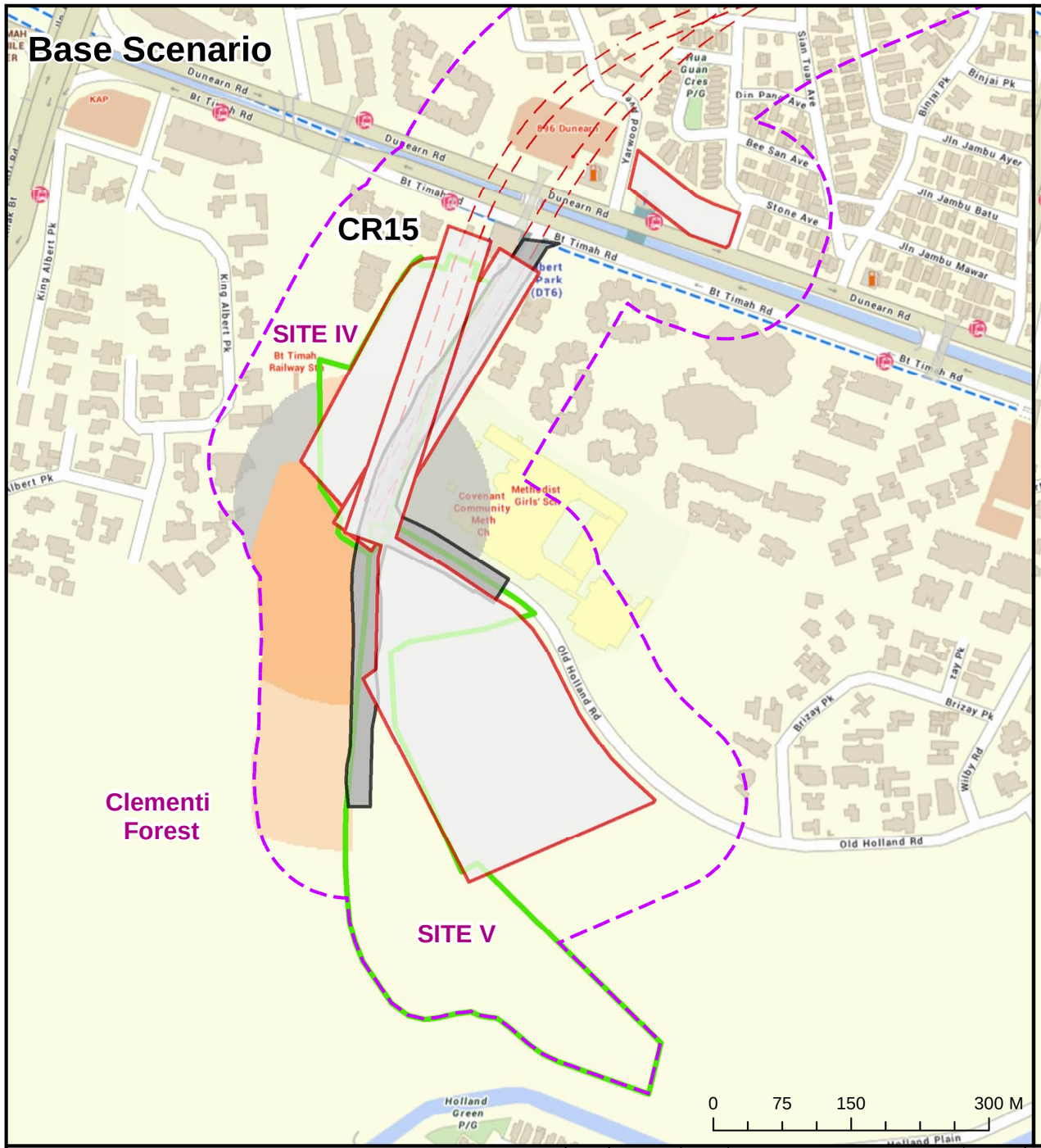
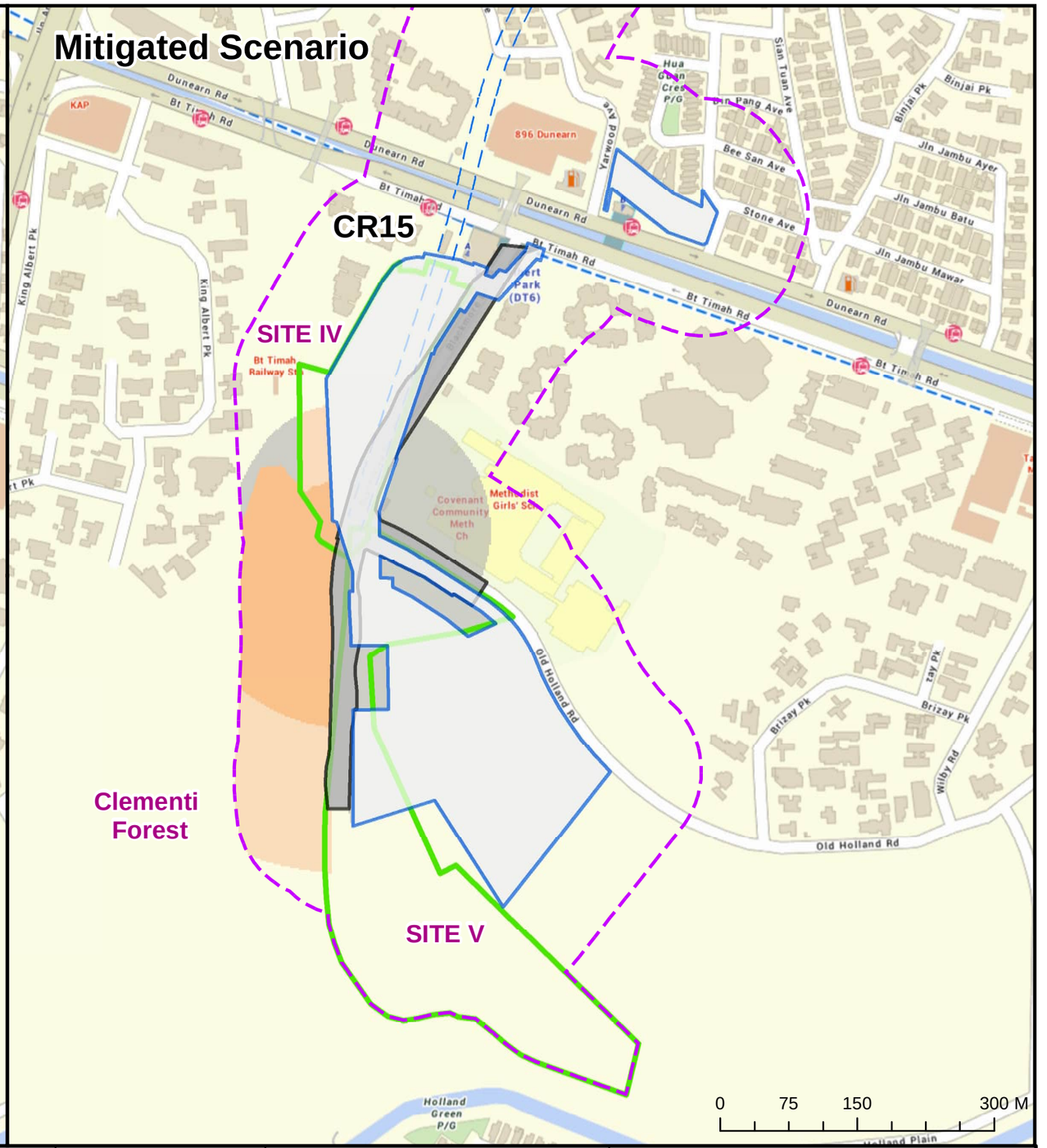
Base Scenario



Mitigated Scenario



Legend

- Proposed CRL Alignment (Base)
- Proposed CRL Alignment (Mitigated)
- Base Scenario Construction Worksite Footprint
- Mitigated Scenario Concstruction Worksite Footprint
- Planned Roadworks
- Study Area
- Biodiversity Study Area

Impact Significance

- Below Ambient
- Minor
- Moderate
- Not Assessible

N

Rev.	Date	By	Description	Chk'd	App'd
-	JULY 2022	EGY	EIS (Turf City and Holland Plain)	JAG/NHT	JAG

Qualified Person Endorsement :
NA

LTA Endorsement :
NA

Consultant : AECOM

Project Title :
CONTRACT CR2005 ENVIRONMENTAL IMPACT STUDY (TURF CITY AND HOLLAND PLAIN)

Designed	Checked	Approved
EGY	JAG/NHT	JAG
	Drawn: EGY	Date: JULY 2022

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Figure Title :
IMPACT SIGNIFICANCE COMPARISON FOR TUNNEL BORING MACHINE SPOT (BS)

Figure No. :	Rev.	Sheet
T - 5	-	1 of 1

CAD File Name : NA | A3

Note: Source of basemap - OneMap

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Appendix U

Wildlife Incident Form

Wildlife Incident Form

Date (YYYY/MM/DD):	Time:
Description of Location:	GPS Coordinates:
Wildlife Observed:	Animal Condition (circle): Alive / Killed / Dead / Injured Animal activity (circle): Moving / Resting / Trapped
Photographs Taken:	MFLG and NParks notified: Yes / No Name of staff notified:
Describe Incident (e.g., activities being carried out; what animal was doing; personnel involved):	
Actions Taken:	
Reported by:	Reported to:
Contact no.:	Contact no:
Remarks:	

Appendix V

Fauna Inspection Form

Fauna Inspections

Inspection Round:
Date of Inspection:
Start and End Time:
Project Title:

Contractor:
Conducted by:
Weather:

Fauna inspections across site include: (a) inspection of hoarding integrity and possibility of wildlife entry into site, (b) inspection of erosion control blankets for wildlife entrapment, and (c)inspection within and around TPZs on site for wildlife presence. Ad-hoc fauna inspections will be conducted when the need arises, e.g. when vegetation needs to be removed on site.

S/N	Activity	Zone inspected	Findings	Coordinates (Lat, Long)	Remarks, photos	Actions to be taken

Appendix W

Tree Protection and Conservation Guidelines

TREE PROTECTION AND CONSERVATION GUIDELINES

By

Derek Yap

Lead Arborist

Camphora Pte Ltd

ISA certified

SG-0117A

CONTENT REQUIREMENTS

This document outlines specific measures to protect trees during construction or other site disturbance. The content and scope of the document will vary based on the site, type of construction, tree species, tree location and other factors.

TREE PROTECTION AND CONSERVATION GUIDELINES

This section outlines the general provisions for tree protection before, during and after construction. Additional measures may be added by the attending arborist on a case-by-case basis.

PRE-DEMOLITION/PILING/CONSTRUCTION

1. Pre-Construction Meeting

The attending arborist shall attend a pre-construction meeting with the project contractor or construction supervisor to explain the tree protection and monitoring requirements as outlined in this document.

In addition, the project contractor or construction supervisor shall complete the 'VERIFICATION OF TREE PROTECTION CHECKLIST' as attached in Annex A before the onset of the construction.

1.1 Tree Protection Zone

Prior to any site clearing (demolition works), piling works, grading, trenching or other soil disturbance, a tree protection zone (TPZ) must be installed as follows:

i. Type

The barriers should be temporary, made of a hard material, 1.8-m tall and firmly installed into the ground.

ii. Ground protection

Mulching material (can be compost or woodchips) at 100-mm thick to be laid within the TPZ. If woodchips are used, termicide treatment is necessary to prevent the introduction of harmful termites.

Apply complete fertilizer (N:P:K 15:15:15) upon or together with the application of mulch.

iii. Signage

A readily-visible and waterproof sign shall be installed on all sides of the fencing around each individual protected tree. The size of each sign must be a minimum of 300mm wide and must contain the wording below:

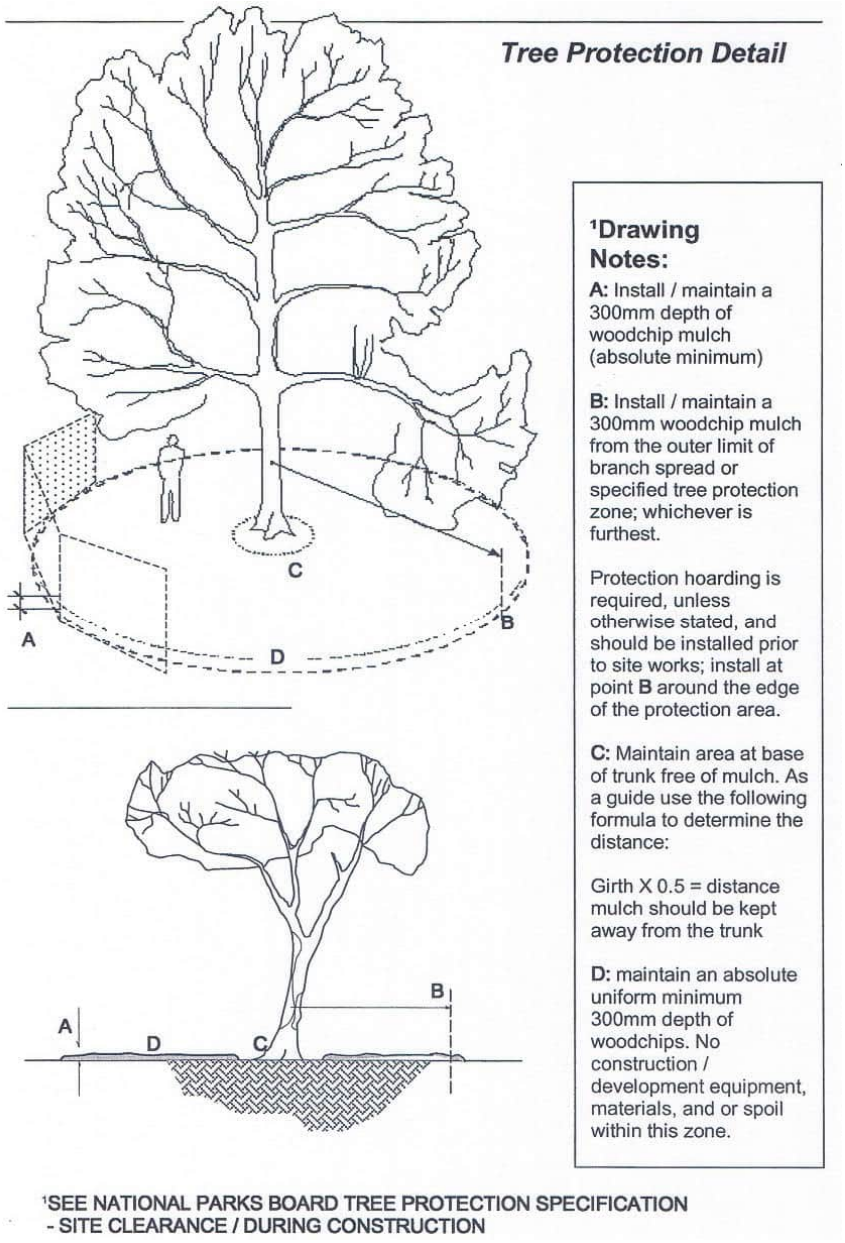
KEEP OUT!
TREE PROTECTION ZONE

Entry prohibited. This fence shall remain in place throughout the entire construction period.

iv. Fencing installation

Installation must be approved by the attending arborists and/or the approved authority prior to construction.

A diagrammatic representation of a proper Tree protection zone is presented below.



1.2 Tree pruning and removal

Various trees may need to be pruned away from structures or proposed construction activity. ***Construction or contractor personnel shall not attempt pruning or removal.*** Consultation and written approval with attending arborist must be obtained prior to pruning.

Removal of trees adjacent to trees that are to be retained requires planning and skilled arboriculture workers. Trees should not be removed by pushing with excavators/heavy

machinery or with lumberjack (one cut) methods. Directional felling methods (notch and back-cut) should be deployed during removal of trees.

Removal of trees that extend into branches or roots of protected trees shall not be attempted by the demolition or construction crew, or by grading or other heavy equipment. Before removing tree stumps, the project manager shall seek the advice from the attending arborist determine if roots are entangled with trees that are to remain. If so, these stumps shall have their roots severed before extracting them.

1.3 Site Clearance

To avoid lumber jack felling of trees that may severely damage the canopy of conserved trees, it is recommended that qualified (see Point 4.3 Tree Conservation Guidelines) Arboriculture contractors be engage to fell trees adjacent to protected trees to ensure that the trees (when cut) fall away from the protected trees and their associated TPZs.

Contractors carry out tree felling works near assigned TPZs of conserved trees should

i. Employ directional felling through the use of notch and back cuts

ii. Deploy cranes to tension trunks in the direction of the drop

iii. Carry out pruning of canopy branches to remove entangling branches

iv. If trees to be removed are taller than neighbouring trees to be retained, removal of branches should be carried out in a controlled manner using ropes and cranes to avoid damaging canopy of the lower trees.

v. To avoid pruning of conserved trees at the proximity unless consultation and approval from attending arborist has been obtained.

vi. No tree should be removed by pushing with an excavator or heavy machinery.

DURING DEMOLITION/PILING/CONSTRUCTION

2. Tree Protection Zone Restrictions

- No ground disturbance, grading, trenching or other construction activities shall occur within the TPZ except as specified and/or approved by the attending arborist or authority.
- No construction material, debris, machinery (e.g. generators) or other construction waste shall be stored within the TPZ. Weight and presence of these materials increases

soil compaction and reduces the area exposed for water infiltration and gaseous exchange.



Figure 1: Construction material and heavy machinery are prohibited within the TPZ

- Excavation works within the TPZ are strictly prohibited. Unless otherwise specified by the attending arborist, all work done within the TPZ shall be completed with manual trenching with hand tools or other hand held power tools that will not cause any root/tree damage.

  If roots need to be cut, it shall be done using proper equipment (e.g. pruning saw, chain saw) under the supervision of the attending arborist.



Figure 2: Trial trench by skilled workers using hand tools exposing root architecture

- Nailing, tying or pasting of materials on trees is prohibited. The tree shall not be used

as an anchor for supporting structures during the construction.



Figure 3: Using tree as anchor may damage its bark.



Figure 4: No nails shall be driven into the tree as it promotes infiltration of pests/diseases

- Phytotoxic materials such as fuels, oils, cement, chemicals, and paint shall be kept away and stored/mixed at least 2.5m from the tree protection zone. Such chemicals can significantly change the cation exchange capacity and pH of the soil, rendering nutrient uptake inefficient and creating an environment too toxic for the roots to grow.

  Construction slug especially from piling works should not be deposited within the TPZ. Such sludge is usually high in clay content and when layered over and within the TPZ could significantly alter the water infiltration and gaseous exchange rates of the root absorption area of the tree.

Canvass sheets/Eco-mat must be laid on the existing soil near the tree in view of soil protection during the demolition, drilling or other construction activities pertaining to concrete structures.



Figure 5: Construction cement deposited at tree base.



Figure 6: Tree showing signs of decline overtime.

- Lowering the grade around trees can have an immediate and long-term effect on trees. Typically, most roots are within the top 1m of soil, and most of the fine roots active in water and nutrient absorption are in the top 300mm.

  A) Grade changes within the TPZ are not permitted.

  B) Grade changes outside the TPZ shall not significantly alter drainage.

  C) Grade changes under specifically approved circumstances shall not allow more than

200mm of fill soil or allow more than 150mm of existing soil to be removed from natural grade, unless mitigated.

D) Grade fills over 200mm or impervious overlay shall incorporate an approved permanent aeration system, permeable material, or other approved mitigation.

E) Grade cuts exceeding 150mm shall incorporate retaining walls or an appropriate transition equivalent.

No removal of the TPZ will be permitted under any circumstances.



Figure 7: Inappropriate installation/maintenance of TPZ during construction.

2.2 Proximity of Heavy machinery/vehicles

Heavy vehicles and machinery (e.g. excavators, piling cranes, 10 wheelers) movement should be limited near TPZs. Temporary access/passageways should be planned to avoid conserved trees.



Figure 8: Tree branches were severed due to the negligence of the crane operator.

2.3 Drainage Considerations

In the event that water ponding conditions develop in the course of construction due to change in grade/platform levels, construction events or any other unforeseeable factors, the contractor is required to improve drainage around or within the TPZ in consultation with the attending arborist.

2.4 Trenching, Excavation and Equipment use

Trenching, excavation or boring within the TPZ shall be limited to activities approved by the architect and/or attending Arborist. Explore alternatives for trenching outside the root zone. Avoid exposing roots during hot, dry weather. Backfill trenches as soon as possible with soil and soak with water the same day. Small roots can die in 10 to 15 minutes and large roots may not survive an hour of exposure. If the trench must be left open all roots must be kept moist by wrapping them in peat moss and burlap.

i. Root Severance

No roots greater than 0.2m in diameter shall be cut without approval of the attending Arborist. Tunneling under roots is the approved alternative. Prior to excavation for foundation/footing/walls, or grading or trenching within the TPZ, roots shall be severed cleanly outside the TPZ to the depth of the planned excavation. When roots must be cut, they shall be cut cleanly with a sharp saw to sound wood and flush with the trench site.



Figure 9: Tunneling under roots.

ii. Excavation

Any approved excavation, demolition, or extraction of material shall be performed with equipment that is placed outside the TPZ. Hand digging, hydraulic, or pneumatic excavation (e.g. air spading) are permitted methods for excavation within the TPZ.



Figure 10: Root exploratory works using an air spade. Air spading avoids damage of structural and even feeder roots of the tree.

iii. Heavy Equipment

Use of backhoes, Ditch-Witches, steal tread tractors or other heavy vehicles within the TPZ is prohibited unless approved by the attending Arborist. If allowed, a protective root buffer is required.

2.5 Tree Care

In the course of construction, the following measures may be necessary to reduce the effects of construction stress on protected trees. Quantum, duration and extent to be advised by attending arborist.

(A) Fertilization

A1 Vertical trenches and Nutrient Sinks

Create vertical trenching and nutrient sinks. These nutrient sinks should go down to at least 300mm deep and should be filled with high grade compost and 12% Humic acid (dilution 1:100). These sinks will act to reduce construction stress by conditioning the soil, increasing soil microbiological activity and increasing organic matter At least 24 numbers of vertical trenches / nutrient sinks are required for trees greater than 2m in girth. Vertical trenches for trees under 2m in girth will be

determined empirically by the attending arborist and will take into account site conditions, tree species and its pre construction vigor. Top up nutrient sinks every 3 months.

A2 Soil Injection of Biostimulants

Mandatory if TPZ has been infringed into, soil compaction has occurred, tree condition has observed to have declined (indicators: reduction in Live crown ratios, twig die back at canopy and change in leaf colour/size/density)

- **Purpose :** To de-compact soil using a hydraulic pressurized delivery of biostimulants that both hydrates and aerates at the same time. Aim to reduce compaction to less than 400psi in the first 500mm of the soil.
- Mixed bio stimulants – serves 2 functions
  Decompaction
- Humic acid – as soil conditioner and chelating agent (Nutrients are mobilized in forms that the plants can accept), facilitate release of nutrients and reduces leaching. Also improves water holding capacities of soil.
- Liquid gypsum / Dolomite – soil conditioner, improve soil structure and facilitate release of nutrients in clay soils typical of local conditions.

  To feed and increase soil microbiology to increase tree vigor post damage. Soil microbiology helps nutrient uptake and encourages healthy root growth critical to prevent construction stress.

- Mollases – High CE for immediate uptake,
- Fish Kelp – Protein source. Organic fertilisers
- Slow release fertilizers (Osmocote)

(B) Watering

- Water supplement during periods of drought.
- Watering duration and extent depends on site conditions and species.
- Watering is carried out until first signs of inundation are observed (i.e. water infiltration observe to slow down significantly).

(C) Myconate treatment

- To trigger and stimulate growth of existing mycorrhizae.

(D) Pesticide treatment

- To control pest (e.g. termites, borers, caterpillars etc) when it occurs.
- Fungicide or bacteriocide as required or as determined by attending arborist to control microbe pathogens.

(E) Additonal pruning

To be carried out in consultation with the attending Arborist. Trees are living things and may require some form of pruning during the course of the development.

- Crown cleansing- Prune to remove dead branches that may have developed through time.
- Crown lifting- Prune to lift crown to avoid new amenities.
- Crown thinning- Prune to reduce canopy branches and loading.

Structural pruning (including crown reduction) to remove branches that may obstruct new amenities and/or movement of critically necessary equipment may require the planning and standing supervision of the attending arborist.

2.6 Engaging Arboriculture Contractors

All arboriculture works should be carried out by skilled and trained arboriculture teams. As such, it is preferred that only Arboriculture contractors which have at least 8 years working experience and must show previous work experience in developments of similar size or complexity. Arboriculture contractors should meet NParks safety requirements for work at height, LTA's requirements for temporary works along roadsides (where necessary) and have a certified arborist to supervise the pruning/felling/planting works.

All arboriculture workers engaged in tree climbing and chainsaw work shall possess a valid basic tree climbing certification base upon demonstrated competence in the WSQ module conducted by CUGE or an equivalent WSQ approved training organization.

Each Arboriculture crew shall possess the following VALID competences,
Operation of chainsaw for ground work (LS-MT-103E-1)
Chainsaw safety and maintenance (LS-MT-102E-1)
Perform formative pruning of young trees (LS-MT-114E-1)
Provide Arboriculture support on site (LS-MT-116E-1)
Workplace safety and health – operators (ES-WSH-101G-1)
Respond to Emergency (LS-HM-208E-1)
Perform advance rigging and climbing techniques (LS-HM-308S-1)
Perform aerial tree access and aerial rescue skills (Ls-HM-204S-1)
Implement and apply appropriate risk and safety management to sector practices (LS-BP-301S-1)
Prepare risk assessment report (LS-HM-406S-1)
Operate and work from an elevated work platform (CUGE-ARB-3501)

POST-CONSTRUCTION

3. Soft Landscaping

Ground works, site preparation and implementation of all landscaping near protected trees must be undertaken carefully.

TPZ barriers can only be removed at this juncture for the purpose. However, when working near trees, cultivation of soils in these areas must be cautiously handled using hand tools. Planting of shrubs shall be at a distance of at least 300mm away from existing root collar.

Avoid changes to ground levels or unnecessary compaction of soils within proximity to existing trees during the course.



Figure 10: New plantings at a minimum distance of 300mm (all round) from root collar

ANNEX A

VERIFICATION OF TREE PROTECTION CHECKLIST

Note: The project contractor or construction supervisor shall verify in writing that all **preconstruction** tree preservation conditions have been met as follows:

Submitted by: _____

Company/Project: _____

Date/Time: _____

S/N	Action	Checked (✔)	Remarks
1	Installation of tree fencing around identified trees within/near site (hard material at 1.8m tall)		
2	Tree protection zone (TPZ) dimensions meets specifications (from NParks and/or attending arborist)		
3	Warning signs prominently displayed on all sides of the fencing, including designated tree number		
4	Removal of construction material (ie machinery, debris, tools etc) within TPZ		
5	Mulching of high grade compost of 100mm thick around identified trees		
6	Completion of tree pruning (if necessary) under the supervision/written approval with the attending arborist		
7	Establishment of a tree maintenance schedule according to arborist recommendations (to be submitted to attending arborist)		

Verified by (attending arborist): _____

Date/Time: _____

Appendix X

Pre-felling Tree Inspection Form

Appendix X Pre-felling Tree Inspection Form

Pre-felling Tree Inspection Form							Personnel:				**Assessment criteria** **Fell**: Ready to fell, no findings of old nests **S-EM**: Fell with supervision by Environmental Manager. Possibly active nest, presence of bird's nest fern, thick vegetation, tree cavities, ground burrows, logs and debris piles. **S-ECO**: Fell with supervision by Ecologist. During bird breeding season. Possibly active nest, presence of bird's nest fern, thick vegetation, tree cavities, ground burrows, logs and debris piles. **Do not fell**: Sedentary fauna, active nest or burrow seen; bee or wasp nest.			
Inspection Date			Valid until				Weather:							
Site:			Bird breeding season (Mar – Jul)?: Y / N				Time In:		Time out:					
Tree No.	Fauna		Nests		Thick vegetation		Tree cavities		Ground burrows		Log and debris piles		Assessment	Remarks
	Details (species, behaviour, height)	Photo no.	Details (nest type, epiphytic fern, species, eggs or young present)	Photo no.	Details (climbers, oil palm, nibong palm, etc)	Photo no.	Details (species, eggs/ young present, height)	Photo no.	Details (species, eggs/ young present, height)	Photo no.	Details	Photo no.		

Appendix Y

Powered Mechanical Equipment List

Activity	Indicative Equipment/ Facility	Sound Power Level, PWL, dB(A)
Site preparatory works	40 ft Trailer	108
	Breaker	100
	Concrete pump	86
	Crane	88
	Drum Compactor	106
	Dump Truck	97
	Excavator	96
	Vibratior Pile Driver	116
	Front end loader	113
	Hand held Breaker	113
	Hand Held ChainSaw	115
	Hydraulic Foundation Drill	105
	Lorry Cranes	88
	Telehandler 5t	88
	Tracked excavator	96
	Tractor	88
	Truck mixer	97
Piling/D-wall works	Bentonite separation plant	94
	Bentonite Slurry Tanks	94
	Clean Water Tanks	108
	Colloidal Mixer (bentonite)	103
	Compressor	83
	Concrete pump	86
	Crane: Crawler 50t	88
	Dump truck	97
	D-wall rig with Grab	101
	Excavator	96
	Flat truck	97
	Generator	86
	Lime dosing plant	93
	Loader	97
	Measuring Tank & Agitator	104
	Mobile Crane	100
	Pneumatic rock drill mounted on tracked excavator	100
	Ready Mix Concrete Truck	98
	Slurry Pump	86
	Tracked excavator	96
	Truck mixer	97
	Truck Mounted Crane	88
Excavation / Reinforced Concrete Works	Concrete pump	86
	Crane crawler	88
	Dump Truck	97
	Excavator	96
	Flat truck	97
	Front end loader	113
	Generator	86
	Loader	97
	Lorry Cranes	88
	Roller	101
	Tracked excavator	96
	Truck mixer	97
Tunnelling	Air Chiller	92
	Air compressor	83
	Air Receiver	83
	Crane	88
	Excavator	96
	Gantry Crane	88
	Grout mixing plant	108
	Muckaway truck	97
	Segment Delivery	97
	Shaft hoist	101
	slurry separation plant	94
	Tunnel Boring Machine	88
	Ventilation air cooling plant	92
	Ventilation supply fans	92
	Water chiller plant	90
Construction of Permanent Structure	Compressor	83
	Concrete pump	86
	Crane	88
	Dump Truck	97
	Excavator	96
	Generator	86
	Mini Excavator	86
	Mobile Crane	100
	Ready Mix Concrete Truck	98
	Tempoary Water Pump	93
	Forklift	104
	Electric Tower Cranes	88
Reinstatement and Finishing Works	Asphalt Paver	112
	Concrete pump	86
	Crane mounted with Vibrator Pile Driver	116
	Dump Truck	97
	D-wall rig with Grab	101
	Excavator	96
	Front end loader	113
	Grader	106
	Mobile Crane	100
	Ready Mix Concrete Truck	98
	Roller	101
	Truck Mounted Crane	88
Note:: *PWL based on noise levels obtained within British Standard BS5228-1:2009*		

Appendix Z

Airborne Noise Criteria Correction Calculation

INVENTORY LIST - CR14

					Activities (7am -7pm) 12 hours / $L_{Aeq(12\ Hours)}$			Activities (7pm -7am) 12 hours / $L_{Aeq(12\ Hours)}$			$L_{Aeq\ (5min)}$			$L_{Aeq\ (5min)}$		
Activity by sequence	Construction Activity	PME	Total No	Approximate no of months for this activity	Day Time (7am - 7pm) Equipment No.	Day Time (7am - 7pm) On-Time (%)	PWL, dB(A)	Night Time (7pm - 7am) Equipment No.	Night Time (7pm - 7am) On - Time (%)	PWL, dB(A)	Day Time (7am - 7pm) Equipment No.	Day Time (7am - 7pm) On-Time (%)	PWL, dB(A)	Night Time (7pm - 7am) Equipment No.	Night Time (7pm - 7am) On - Time (%)	PWL, dB(A)
1. Clearance for Construction Area																
1	a. Setting up of hoarding	Lorry Cranes	2	6	2	80%	90	-	-		2	100%	91			
		Hand held Breaker	1	6	1	50%	110	-	-		1	100%	113			
2	b. Level and excavation	Front end loader	1	6	1	80%	112	-	-		1	100%	113			
3	c. Tree removal	Lorry Cranes	1	6	1	50%	85	-	-		1	100%	88			
		Hand Held ChainSaw	1	6	1	50%	112	-	-		1	100%	115			
4	d. Debris removal	Dump Truck	1	6	1	80%	96	-	-		1	100%	97			
							116						119			
2. TERS-Temporary Earth Retaining System (Sheet piling/ Contiguous Bored Pile-CBP)																
1	Mobilizing of Hoarding boards, Delivery of decking	Lorry Cranes	1	2	1	50%	85	1	50%	85	1	100%	88	1	100%	88
2	Delivery of rebar, sheel piles , king post, decking	40 ft Trailer	1	2	1	50%	105	1	50%	105	1	100%	108	1	100%	108
3	Installation of King post of decking support	Hydraulic Foundation Drill	1	2	1	50%	102	-	-		1	100%	105	-	-	
4	Excavation of working platfrom	Excavator	1	2	1	50%	93	1	50%	93	1	100%	96	1	100%	96
5	Installation of decking	Crane	1	2	1	50%	85	1	50%	85	1	100%	88	1	100%	88
							107			105			110			108
3. Excavation to Work Platform Level																
1	for ECM supply	Generator	1	18	1	100%	86	1	100%	86	1	100%	86	1	100%	86
2	Removal of Spoils and delivery of Hard Core	Dump Truck	1	18	1	30%	92	1	30%	92	1	100%	97	1	100%	97
3	Levelling of working platform	Front end loader	1	18	1	30%	108	-	-		1	100%	113	-	-	
4	Excavation to platform level & ECM trenches	Excavator	3	18	3	50%	98	3	50%	98	3	100%	101	3	100%	101
5	Platform preparation	Roller	1	18	1	40%	97	-	-		1	100%	101	-	-	
6	Delivery of Steel plates and materials	Lorry Cranes	1	18	1	50%	85	-	-		1	100%	88	-	-	
7	Spoil removal	Dump Truck	3	18	1	50%	94	-	-		1	100%	97	-	-	
							109			99			114			102
4 Temporary work - Installation of D Wall, Sheet Pile																
1	Excavation of D wall Trenches / installation of SBP	D-wall rig with Grab	3	18	3	80%	105	3	80%	105	3	100%	106	3	100%	106
2	To Hoist Tremie Pipe & Re-bar D wall Cages	Truck Mounted Crane	1	18	1	80%	87	1	80%	87	1	100%	88	1	100%	88
3	Handle tremie pipe & re-bar	Mobile Crane	1	18	1	80%	99	1	80%	99	1	100%	100	1	100%	100
4	For casting wall	Ready Mix Concrete Truck	1	18	1	50%	95	1	50%	95	1	100%	98	1	100%	98
5	Concreting works	Concrete pump	1	18	1	50%	83	1	50%	83	1	100%	86	1	100%	86
6	Batching Plant	Colloidal Mixer (bentonite)		18		-		-	-			-			-	
		Compressor		18		-		-	-			-			-	
		Generator		18		-		-	-			-			-	
		Ripple Screen (included in STP)	1	18	1	80%	81	1	80%	81	1	100%	82	1	100%	82
		Measuring Tank & Agitator		18		-		-	-			-			-	
		Slurry Pump		18		-		-	-			-			-	
		Clean Water Tanks		18		-		-	-			-			-	
		Bentonite Slurry Tanks		18		-		-	-			-			-	
7	Earth Removal from Tanks	Excavator	1	18	1	50%	93	1	50%	93	1	100%	96	1	100%	96
8	Spoil & slurry disposal	Dump Truck	1	18	1	50%	94	1	50%	94	1	100%	97	1	100%	97
							107			107			108			108
5. Installation of Wallers & Struts/Stage excavation																
1	Hot works - welding of steel beams, brackets, etc	Welding Equipment	3	18	1	100%	81	1	100%	81	1	100%	81	1	100%	81
2	Delivery ofSteel sections	40 ft Trailer	1	18	1	50%	105	1	50%	105	1	100%	108	1	100%	108
3	Hoisting of Waler & Struts	Mobile Crane	1	18	1	80%	99	1	80%	99	1	100%	100	1	100%	100
4	Stage excavation for walers & struts	Crane	1	18	1	80%	87	1	80%	87	1	100%	88	1	100%	88
5	Stage Excavation	Excavator	2	18	2	80%	98	2	80%	98	2	100%	99	2	100%	99
6	Stage Excavation	Mini Excavator	2	18	2	80%	88	2	80%	88	2	100%	89	2	100%	89
7	Spoi and slurry removal	Dump truck	4	18	4	80%	102	4	80%	102	4	100%	103	4	100%	103
							108			108			110			110
6. TBM (Launching to CR15, CR13)																
1	TBM- Assemble tunneling equipment	TBM & Gantries	1	10	1	50%	95	1	50%	95	1	100%	98	1	100%	98
		40T Gantry Crane	1	10	1	50%	95	1	50%	95	1	100%	98	1	100%	98
		30T Excavator	1	10	1	50%	97	1	50%	97	1	100%	100	1	100%	100
		Grout mixing plant	1	10	1	50%	105	1	50%	105	1	100%	108	1	100%	108
		slurry separation plant	1	10	1	50%	101	1	50%	101	1	100%	104	1	100%	104
		Segment Delivery	1	10	1	50%	104	1	50%	104	1	100%	107	1	100%	107
		Muckaway truck	1	10	1	50%	104	1	50%	104	1	100%	107	1	100%	107
		Water chiller plant	1	10	1	50%	87	1	50%	87	1	100%	90	1	100%	90
		Ventilation air cooling plant	1	10	1	50%	89	1	50%	89	1	100%	92	1	100%	92
		Ventilation supply fans	1	10	1	50%	89	1	50%	89	1	100%	92	1	100%	92
		Shaft hoist	1	10	1	50%	98	1	50%	98	1	100%	101	1	100%	101
		Air compressor	1	10	1	50%	100	1	50%	100	1	100%	103	1	100%	103
		Air Receiver	1	10	1	50%	100	1	50%	100	1	100%	103	1	100%	103
		Air Chiller	1	10	1	50%	89	1	50%	89	1	100%	92	1	100%	92
		200 T crane	1	10	1	50%	96	1	50%	96	1	100%	99	1	100%	99
							111			111			114			114
2	Lowering of TBM	Air compressor	1	10	1	50%	100	1	50%	100	1	100%	103	1	100%	103
		Air Receiver	1	10	1	50%	100	1	50%	100	1	100%	103	1	100%	103
		500 t crane	1	10	1	50%	103	1	50%	103	1	100%	106	1	100%	106

INVENTORY LIST - CR14

					Activities (7am -7pm) 12 hours / $L_{Aeq(12 Hours)}$			Activities (7pm -7am) 12 hours / $L_{Aeq(12 Hours)}$			$L_{Aeq (5min)}$			$L_{Aeq (5min)}$		
Activity by sequence	Construction Activity	PME	Total No	Approximate no of months for this activity	Day Time (7am - 7pm) Equipment No.	Day Time (7am - 7pm) On-Time (%)	PWL, dB(A)	Night Time (7pm - 7am) Equipment No.	Night Time (7pm - 7am) On - Time (%)	PWL, dB(A)	Day Time (7am - 7pm) Equipment No.	Day Time (7am - 7pm) On-Time (%)	PWL, dB(A)	Night Time (7pm - 7am) Equipment No.	Night Time (7pm - 7am) On - Time (%)	PWL, dB(A)
3	TBM Main Drive	TBM & Gantries	1	10	1	100%	98	1	100%	98	1	100%	98	1	100%	98
		40T Gantry Crane	1	10	1	100%	98	1	100%	98	1	100%	98	1	100%	98
		30T Excavator	1	10	1	100%	100	1	100%	100	1	100%	100	1	100%	100
		Grout mixing plant	1	10	1	100%	108	1	100%	108	1	100%	108	1	100%	108
		slurry separation plant	1	10	1	100%	104	1	100%	104	1	100%	104	1	100%	104
		Segment Delivery	1	10	1	100%	107	1	100%	107	1	100%	107	1	100%	107
		Muckaway truck	1	10	1	100%	107	1	100%	107	1	100%	107	1	100%	107
		Water chiller plant	1	10	1	100%	90	1	100%	90	1	100%	90	1	100%	90
		Ventilation air cooling plant	1	10	1	100%	92	1	100%	92	1	100%	92	1	100%	92
		Ventilation supply fans	1	10	1	100%	92	1	100%	92	1	100%	92	1	100%	92
		Shaft hoist	1	10	1	100%	101	1	100%	101	1	100%	101	1	100%	101
		Air compressor	1	10	1	100%	103	1	100%	103	1	100%	103	1	100%	103
		Air Receiver	1	10	1	100%	103	1	100%	103	1	100%	103	1	100%	103
		Air Chiller	1	10	1	100%	92	1	100%	92	1	100%	92	1	100%	92
							115			115			115			115
7. Construction of Permanent Structure																
1	Pumping of water from ground or rain	Tempoary Water Pump	4	12	1	100%	93	1	100%	93	1	100%	93	1	100%	93
2	Power supply for lighting , pumps and temporary ventilation fans	Generator	3	12	1	100%	86	1	100%	86	1	100%	86	1	100%	86
3	Excavation below surface for working platform	Excavator	1	12	1	50%	93	1	50%	93	1	100%	96	1	100%	96
4	Stage Excavation to prepare Lean concrete	Mini Excavator	2	12	2	80%	88	2	80%	88	2	100%	89	2	100%	89
5	Excavation below surface - removal of spoil	Crane	1	12	1	50%	85	1	50%	85	1	100%	88	1	100%	88
6	Spoil removal	Dump Truck	1	12	1	50%	94	1	50%	94	1	100%	97	1	100%	97
8	Air compressor for cleaning formwork before casting	Compressor	1	12	1	50%	80	1	50%	80	1	100%	83	1	100%	83
7	Handle re-bar & hoisting of false work, scaffolding, temporary working platforms	Mobile Crane	1	12	1	50%	97	1	50%	97	1	100%	100	1	100%	100
8	For Casting	Ready Mix Concrete Truck	1	12	1	50%	95	1	50%	95	1	100%	98	1	100%	98
9	For Casting	Concrete pump	1	12	1	50%	83	1	50%	83	1	100%	86	1	100%	86
							102			102			105			105
8. Resintatement of Work & Exiting Road																
1	Levelling of road subbase, base	Excavator	1	6	1	80%	95	1	80%	95	1	100%	96	1	100%	96
2	Road compaction	Roller	1	6	1	80%	100	1	80%	100	1	100%	101	1	100%	101
3	Levelling works	Front end loader	1	6	1	80%	112	1	80%	112	1	100%	113	1	100%	113
4	Delivery of Mill (Premix)	Dump Truck	1	6	1	80%	96	1	80%	96	1	100%	97	1	100%	97
5	Levelling	Grader	1	6	1	80%	105	1	80%	105	1	100%	106	1	100%	106
6	Asphalt laying	Asphalt Paver	1	6	1	80%	111	1	80%	111	1	100%	112	1	100%	112
							115			115			116			116
9 Entrances - Construction of D Wall & Sheet piles																
1	Excavation of D wall Trenches / installation of SBP	D-wall rig with Grab	1	6	1	80%	100	-	-		1	100%	101			
2	To Hoist Tremie Pipe & Re-bar D wall Cages	Truck Mounted Crane	1	6	1	80%	87	-	-		1	100%	88			
3	Handle tremie pipe & re-bar	Mobile Crane	1	6	1	80%	99	-	-		1	100%	100			
4	For casting wall	Ready Mix Concrete Truck	1	6	1	80%	97	-	-		1	100%	98			
5	Concreting works	Concrete pump	1	6	1	80%	85	-	-		1	100%	86			
6	Spoil & slurry disposal	Dump Truck	1	6	1	80%	96	-	-		1	100%	97			
7	Delivery of rebar, sheel piles , king post, decking	40 ft Trailer	1	6	1	50%	105	-	-		1	100%	108			
							108						110			
10 Road work - Clearance for Construction Area																
1	a. Setting up of hoarding	Lorry Cranes	2	6	2	80%	90	-	-		2	100%	91			
		Hand held Breaker	1	6	1	50%	110	-	-		1	100%	113			
2	b. Level and excavation	Front end loader	1	6	1	80%	112	-	-		1	100%	113			
3	c. Tree removal	Lorry Cranes	1	6	1	50%	85	-	-		1	100%	88			
		Hand Held ChainSaw	1	6	1	50%	112	-	-		1	100%	115			
4	d. Debris removal	Dump Truck	1	6	1	80%	96	-	-		1	100%	97			
							116						119			
11 Road work - Traffic Deck																
1	Mobilizing of Hoarding boards, Delivery of decking	Lorry Cranes	1	2	1	50%	85	1	50%	85	1	100%	88	1	100%	88
2	Delivery of rebar, sheel piles , king post, decking	40 ft Trailer	1	2	1	50%	105	1	50%	105	1	100%	108	1	100%	108
3	Installation for sheet pile	Excavator mounted with Vibrator Pile Dri	1	2	1	70%	114				1	100%	116			
4	Installation of sheet pile at no access area for equipment	Crane mounted with Vibrator Pile Driver	1	2	1	70%	114				1	100%	116			
5	Installation of King post of decking support	Hydraulic Foundation Drill	1	2	1	50%	102				1	100%	105			
6	Excavation of working platfrom	Excavator	1	2	1	50%	93	1	50%	93	1	100%	96	1	100%	96
7	Installation of decking	Crane	1	2	1	50%	85	1	50%	85	1	100%	88	1	100%	88
							118			105			120			108

INVENTORY LIST - CR15

					Activities (7am -7pm) 12 hours / $L_{Aeq(12\ Hours)}$			Activities (7pm -7am) 12 hours / $L_{Aeq(12\ Hours)}$			$L_{Aeq\ (5min)}$			$L_{Aeq\ (5min)}$		
Activity by sequence	Construction Activity	PME	Total No	Approximate no of months for this activity	Day Time (7am - 7pm) Equipment No.	Day Time (7am - 7pm) On-Time (%)	PWL, dB(A)	Night Time (7pm - 7am) Equipment No.	Night Time (7pm - 7am) On - Time (%)	PWL, dB(A)	Day Time (7am - 7pm) Equipment No.	Day Time (7am - 7pm) On-Time (%)	PWL, dB(A)	Night Time (7pm - 7am) Equipment No.	Night Time (7pm - 7am) On - Time (%)	PWL, dB(A)
1. Clearance for Construction Area																
1	a. Setting up of hoarding	Lorry Cranes	2	6	2	80%	90	-	-		2	100%	91	-	-	
		Hand held Breaker	1	6	1	50%	110	-	-		1	100%	113	-	-	
2	b. Level and excavation	Front end loader	1	6	1	80%	112	-	-		1	100%	113	-	-	
3	c. Tree removal	Lorry Cranes	1	6	1	50%	85	-	-		1	100%	88	-	-	
		Hand Held ChainSaw	1	6	1	50%	112	-	-		1	100%	115	-	-	
4	d. Debris removal	Dump Truck	1	6	1	80%	96	-	-		1	100%	97	-	-	
							116						119			
2. TERS-Temporary Earth Retaining System (Sheet piling/ Contiguous Bored Pile-CBP)																
1	Mobilizing of Hoarding boards, Delivery of decking	Lorry Cranes	1	2	1	50%	85	1	50%	85	1	100%	88	1	100%	88
2	Delivery of rebar, sheel piles , king post, decking	40 ft Trailer	1	2	1	50%	105	1	50%	105	1	100%	108	1	100%	108
3	Installation of King post of decking support	Hydraulic Foundation Drill	1	2	1	50%	102	-	-		1	100%	105	-		
4	Excavation of working platfrom	Excavator	1	2	1	50%	93	1	50%	93	1	100%	96	1	100%	96
5	Installation of decking	Crane	1	2	1	50%	85	1	50%	85	1	100%	88	1	100%	88
							107			105			110			108
3. Excavation to Work Platform Level																
1	for ECM supply	Generator	1	18	1	100%	86	1	100%	86	1	100%	86	1	100%	86
2	Removal of Spoils and delivery of Hard Core	Dump Truck	1	18	1	30%	92	1	30%	92	1	100%	97	1	100%	97
3	Levelling of working platform	Front end loader	1	18	1	30%	108	-	-		1	100%	113	-	-	
4	Excavation to platform level & ECM trenches	Excavator	3	18	3	50%	98	-	-		3	100%	101	-	-	
5	Platform preparation	Roller	1	18	1	40%	97	-	-		1	100%	101	-	-	
6	Delivery of Steel plates and materials	Lorry Cranes	1	18	1	50%	85	-	-		1	100%	88	-	-	
7	Spoil removal	Dump Truck	3	18	1	50%	94	-	-		1	100%	97	-	-	
							109			93			114			97
4 Temporary work - Installation of D Wall, Sheet Pile																
1	Excavation of D wall Trenches	D-wall rig with Grab	3	18	3	80%	105	3	80%	105	3	100%	106	3	100%	106
2	To Hoist Tremie Pipe & Re-bar D wall Cages	Truck Mounted Crane	1	18	1	80%	87	1	80%	87	1	100%	88	1	100%	88
3	Handle tremie pipe & re-bar	Mobile Crane	1	18	1	80%	99	1	80%	99	1	100%	100	1	100%	100
4	For casting wall	Ready Mix Concrete Truck	1	18	1	50%	95	1	50%	95	1	100%	98	1	100%	98
5	Concreting works	Concrete pump	1	18	1	50%	83	1	50%	83	1	100%	86	1	100%	86
6	Batching Plant	Colloidal Mixer (bentonite)		18		-		-	-			-			-	
		Compressor		18		-		-	-			-			-	
		Generator		18		-		-	-			-			-	
		Ripple Screen (included in STP)	1	18	1	80%	81	1	80%	81	1	100%	82	1	100%	82
		Measuring Tank & Agitator		18		-		-	-			-			-	
		Slurry Pump		18		-		-	-			-			-	
		Clean Water Tanks		18		-		-	-			-			-	
		Bentonite Slurry Tanks		18		-		-	-			-			-	
7	Earth Removal from Tanks	Excavator	1	18	1	50%	93	1	50%	93	1	100%	96	1	100%	96
8	Spoil & slurry disposal	Dump Truck	1	18	1	50%	94	1	50%	94	1	100%	97	1	100%	97
							107			107			108			108
5. Installation of Wallers & Struts/Stage excavation																
1	Hot works - welding of steel beams, brackets, etc	Welding Equipment	3	18	1	100%	81	1	100%	81	1	100%	81	1	100%	81
2	Delivery ofSteel sections	40 ft Trailer	1	18	1	50%	105	1	50%	105	1	100%	108	1	100%	108
3	Hoisting of Waler & Struts	Mobile Crane	1	18	1	80%	99	1	80%	99	1	100%	100	1	100%	100
4	Stage excavation for walers & struts	Crane	1	18	1	80%	87	1	80%	87	1	100%	88	1	100%	88
5	Stage Excavation	Excavator	2	18	2	80%	98	2	80%	98	2	100%	99	2	100%	99
6	Stage Excavation	Mini Excavator	2	18	2	80%	88	2	80%	88	2	100%	89	2	100%	89
7	Spoi and slurry removal	Dump truck	4	18	4	80%	102	4	80%	102	4	100%	103	4	100%	103
							108			108			110			110
6. TBM Receiving Shaft (Receiving From CR14 and CR16)																
1	TBM Tunnel Recovery	TBM & Gantries	1	10	1	100%	98	1	100%	98	1	100%	98	1	100%	98
		40T Gantry Crane	1	10	1	100%	98	1	100%	98	1	100%	98	1	100%	98
		30T Excavator	1	10	1	100%	100	1	100%	100	1	100%	100	1	100%	100
		Grout mixing plant	1	10	1	100%	108	1	100%	108	1	100%	108	1	100%	108
		slurry separation plant	1	10	1	100%	104	1	100%	104	1	100%	104	1	100%	104
		Muckaway trucks	1	10	1	100%	107	1	100%	107	1	100%	107	1	100%	107
		Water chiller plant	1	10	1	100%	90	1	100%	90	1	100%	90	1	100%	90
		Ventilation air cooling plant	1	10	1	100%	92	1	100%	92	1	100%	92	1	100%	92
		Ventilation supply fans	1	10	1	100%	92	1	100%	92	1	100%	92	1	100%	92
		Shaft hoist	1	10	1	100%	101	1	100%	101	1	100%	101	1	100%	101
		Air compressor	1	10	1	100%	103	1	100%	103	1	100%	103	1	100%	103
		Air Receiver	1	10	1	100%	103	1	100%	103	1	100%	103	1	100%	103
		Air Chiller	1	10	1	100%	92	1	100%	92	1	100%	92	1	100%	92
2	Tunnel CPL Lining	40T Gantry Crane	1	10	1	50%	95	1	50%	95	1	100%	98	1	100%	98
		HDPE Delivery	1	10	1	50%	105	1	50%	105	1	100%	108	1	100%	108
		Ventilation air cooling plant	1	10	1	50%	89	1	50%	89	1	100%	92	1	100%	92
		Ventilation supply fans	1	10	1	50%	89	1	50%	89	1	100%	92	1	100%	92
		Shaft hoist	1	10	1	50%	98	1	50%	98	1	100%	101	1	100%	101
		Air compressor	1	10	1	50%	100	1	50%	100	1	100%	103	1	100%	103
		Air Receiver	1	10	1	50%	100	1	50%	100	1	100%	103	1	100%	103
							114			114			115			115
7. Construction of Permanent Structure																
1	Pumping of water from ground or rain	Tempoary Water Pump	4	12	1	100%	93	1	100%	93	1	100%	93	1	100%	93
2	Power supply for lighting , pumps and temporary ventilation fans	Generator	3	12	1	100%	86	1	100%	86	1	100%	86	1	100%	86
3	Excavation below surface for working platform	Excavator	1	12	1	50%	93	1	50%	93	1	100%	96	1	100%	96

INVENTORY LIST - CR15

					Activities (7am -7pm) 12 hours / $L_{Aeq(12\ Hours)}$			Activities (7pm -7am) 12 hours / $L_{Aeq(12\ Hours)}$			$L_{Aeq\ (5min)}$			$L_{Aeq\ (5min)}$		
Activity by sequence	Construction Activity	PME	Total No	Approximate no of months for this activity	Day Time (7am - 7pm) Equipment No.	Day Time (7am - 7pm) On-Time (%)	PWL, dB(A)	Night Time (7pm - 7am) Equipment No.	Night Time (7pm - 7am) On - Time (%)	PWL, dB(A)	Day Time (7am - 7pm) Equipment No.	Day Time (7am - 7pm) On-Time (%)	PWL, dB(A)	Night Time (7pm - 7am) Equipment No.	Night Time (7pm - 7am) On - Time (%)	PWL, dB(A)
4	Stage Excavation to prepare Lean concrete	Mini Excavator	2	12	2	80%	88	2	80%	88	2	100%	89	2	100%	89
5	Excavation below surface - removal of spoil	Crane	1	12	1	50%	85	1	50%	85	1	100%	88	1	100%	88
6	Spoil removal	Dump Truck	1	12	1	50%	94	1	50%	94	1	100%	97	1	100%	97
7	Air compressor for cleaning formwork before casting	Compressor	1	12	1	50%	80	1	50%	80	1	100%	83	1	100%	83
8	Handle re-bar & hoisting of false work, scaffolding, temporary working platforms	Mobile Crane	1	12	1	50%	97	1	50%	97	1	100%	100	1	100%	100
9	For Casting	Ready Mix Concrete Truck	1	12	1	50%	95	1	50%	95	1	100%	98	1	100%	98
10	For Casting	Concrete pump	1	12	1	50%	83	1	50%	83	1	100%	86	1	100%	86
							102			102			105			105
8. Resintatement of Work & Exiting Road																
1	Levelling of road subbase, base	Excavator	1	6	1	80%	95	1	80%	95	1	100%	96	1	100%	96
2	Road compaction	Roller	1	6	1	80%	100	1	80%	100	1	100%	101	1	100%	101
3	Levelling works	Front end loader	1	6	1	80%	112	1	80%	112	1	100%	113	1	100%	113
4	Delivery of Mill (Premix)	Dump Truck	1	6	1	80%	96	1	80%	96	1	100%	97	1	100%	97
5	Levelling	Grader	1	6	1	80%	105	1	80%	105	1	100%	106	1	100%	106
6	Asphalt laying	Asphalt Paver	1	6	1	80%	111	1	80%	111	1	100%	112	1	100%	112
							115			115			116			116
9. Entrances - Construction of D Wall & Sheet piles																
1	Excavation of D wall Trenches / installation of SBP	D-wall rig with Grab	1	6	1	80%	100	-	-		1	100%	101			
2	To Hoist Tremie Pipe & Re-bar D wall Cages	Truck Mounted Crane	1	6	1	80%	87	-	-		1	100%	88			
3	Handle tremie pipe & re-bar	Mobile Crane	1	6	1	80%	99	-	-		1	100%	100			
4	For casting wall	Ready Mix Concrete Truck	1	6	1	80%	97	-	-		1	100%	98			
5	Concreting works	Concrete pump	1	6	1	80%	85	-	-		1	100%	86			
6	Spoil & slurry disposal	Dump Truck	1	6	1	80%	96	-	-		1	100%	97			
7	Delivery of rebar, sheel piles , king post, decking	40 ft Trailer	1	6	1	50%	105	-	-		1	100%	108			
							108					110%	110			
10 Road work - Clearance for Construction Area																
1	a. Setting up of hoarding	Lorry Cranes	2	6	2	80%	90	-	-		2	100%	91			
		Hand held Breaker	1	6	1	50%	110	-	-		1	100%	113			
2	b. Level and excavation	Front end loader	1	6	1	80%	112	-	-		1	100%	113			
3	c. Tree removal	Lorry Cranes	1	6	1	50%	85	-	-		1	100%	88			
		Hand Held ChainSaw	1	6	1	50%	112	-	-		1	100%	115			
4	d. Debris removal	Dump Truck	1	6	1	80%	96	-	-		1	100%	97			
							116					110%	119			
11 Road work - 2. Traffic Diversion stage 1																
1	Mobilizing of Hoarding boards, Delivery of decking	Lorry Cranes	1	2	1	50%	85	1	50%	85	1	100%	88	1	100%	88
2	Delivery of rebar, sheel piles , king post, decking	40 ft Trailer	1	2	1	50%	105	1	50%	105	1	100%	108	1	100%	108
3	Installation for sheet pile	Excavator mounted with Vibrator Pile Dri	1	2	1	70%	114	-	-		1	100%	116	-		
4	Installation of sheet pile at no access area for equipment	Crane mounted with Vibrator Pile Driver	1	2	1	70%	114	-	-		1	100%	116	-		
5	Installation of King post of decking support	Hydraulic Foundation Drill	1	2	1	50%	102	-	-		1	100%	105	-		
6	Excavation of working platfrom	Excavator	1	2	1	50%	93	1	50%	93	1	100%	96	1	100%	96
7	hoisting for Rebar cage & materials	Crane	1	2	1	50%	85	1	50%	85	1	100%	88	1	100%	88
8	Installation of decking	Crane	1	2	1	50%	85	1	50%	85	1	100%	88	1	100%	88
							118			105		110%	120			108
12. Utilities Diersion Works																
1	Utilities Divarsion	Excavator	1	1	1	80%	105				1	100%	106			
2		Dump Truck	1	1	1	80%	106				1	100%	107			
							109					110	110			
13 Site Office Constuction																
1	Land clearance	Excavator	1	3	1	70%	94	1	50%	93	1	100%	96	1	100%	96
2	Installation of office	Crane	1	3	1	70%	86	1	50%	85	1	100%	88	1	100%	88
							95			94		110%	97			97
14 Construction of Material Storage Area																
1	Mobilizing of Hoarding boards, Delivery of decking	Lorry Cranes	1	2	1	70%	86	1	50%	85	1	100%	88	1	100%	88
2	Delivery of rebar, sheel piles , king post, decking	40 ft Trailer	1	2	1	70%	106	1	50%	105	1	100%	108	1	100%	108
3	Spoil removal	Dump Truck	1	2	1	70%	95	1	50%	94	1	100%	97	1	100%	97
4	Excavation of working platfrom	Excavator	1	2	1	70%	94	1	50%	93	1	100%	96	1	100%	96
							107			106		110%	109			109

INVENTORY LIST - CR16

					Activities (7am -7pm) 12 hours / $L_{Aeq(12\ Hours)}$			Activities (7pm -7am) 12 hours / LAeq(12 Hours)			$L_{Aeq\ (5min)}$			$L_{Aeq\ (5min)}$		
Activity by sequence	Construction Activity	PME	Total No	Approximate no of months for this activity	Day Time (7am - 7pm) Equipment No.	Day Time (7am - 7pm) On-Time (%)	PWL, dB(A)	Night Time (7pm - 7am) Equipment No.	Night Time (7pm - 7am) On - Time (%)	PWL, dB(A)	Day Time (7am - 7pm) Equipment No.	Day Time (7am - 7pm) On-Time (%)	PWL, dB(A)	Night Time (7pm - 7am) Equipment No.	Night Time (7pm - 7am) On - Time (%)	PWL, dB(A)
1. Clearance for Construction Area including Tree felling																
1	a. Setting up of hoarding	Lorry Cranes	2	1	2	50%	88				2	100%	91			
2	b. Tree removal	Lorry Cranes	3	3	3	50%	90				3	100%	93			
		Hand Held ChainSaw	3	3	3	50%	117				3	100%	120			
3	c. Earthworks	Excavator	3	15	3	70%	99				3	100%	101			
4	d. For power supply	Generator	2	24	2	100%	89				2	100%	89			
							117						120			
2. Levelling (Cut and Fill) to Work Platform Level- Daytime																
1	for ECM supply	Generator	1	18	1	100%	86				1	100%	86			
2	Removal of Spoils and delivery of Hard Core	Dump Truck	1	18	1	30%	92				1	100%	97			
3	Levelling of working platform	Front end loader	1	18	1	30%	108				1	100%	113			
4	Excavation to platform level & ECM trenches	Excavator	3	18	3	50%	98				3	100%	101			
5	Platform preparation	Roller	1	18	1	40%	97				1	100%	101			
6	Delivery of Steel plates and materials	Lorry Cranes	1	18	1	50%	85				1	100%	88			
7	Spoil removal	Dump Truck	3	18	1	50%	94				1	100%	97			
							109						114			
3. Soil Nailing																
1	c. Installation of Soil Nails	Micropile Machine	3	15	3	70%	107				3	100%	109			
		Shotcrete	3	15	3	50%	108				3	100%	111			
							111						113			
4. Pumping Mains Diversion																
1	a. Delivery of Caisson casing and sewer pipes	Trailer	1	24	1	50%	104				1	100%	107			
2	b. Installation of Caisson	Vibro Machine	2	24	2	50%	108				2	100%	111			
		Shotcrete	2	24	2	50%	106				2	100%	109			
3	c. Pipe Jacking	Pipe Jacking Machine	2	24	2	70%	105				2	100%	107			
							112						115			
5. Pumping Mains Diversion																
1	a. Delivery of Caisson casing and sewer pipes	Trailer	1	24	1	50%	104				1	100%	107			
2	b. Installation of Caisson	Vibro Machine	2	24	2	50%	108				2	100%	111			
		Shotcrete	2	24	2	50%	106				2	100%	109			
							111						114			
6. Utility diversion/Temp Drain diversion																
1	For power supply	Generator	1	18	1	100%	86				1	100%	86			
3	Delivery of sheet piles and drain pipes	40 ft Trailer	1	6	1	50%	105				1	100%	108			
4	Installation for sheet pile	Excavator mounted with Vibrator Pile Driver	1	6	1	70%	114				1	100%	116			
5	Excavation	Excavator	1	8	1	50%	93				1	100%	96			
6	hoisting for materials	Crane	1	8	1	50%	85				1	100%	88			
							115						117			
7. Construction of Site office																
1	Land clearance	Excavator	1	3	1	70%	94				1	100%	96			
2	Installation of office	crane	1	3	1	70%	86				1	100%	88			
							95						97			

INVENTORY LIST -A1-W2

					Activities(7am-7pm) 12 hours/ LAeq(12 hours)			Activities(7pm-7am) 12 hours/ LAeq(12 hours)			LAeq(5min)			LAeq(5min)		
Activity by sequence	Construction Activity	PME	Total No	Approximate no of months for this activity (M)	Day Time (7am - 7pm) Equipment No.	Day Time (7am - 7pm) On-Time (%)	PWL, dB(A)	Night Time (7pm - 7am) Equipment No.	Night Time (7pm - 7am) On - Time (%)	PWL, dB(A)	Day Time (7am - 7pm) Equipment No.	Day Time (7am - 7pm) On-Time (%)	PWL, dB(A)	Night Time (7pm - 7am) Equipment No.	Night Time (7pm - 7am) On - Time (%)	PWL, dB(A)
1	Site Clearance and Site Preparatory Works	Tree Saw	3	2	3	80%	115				3	100%	116			
		Drum Compactor	1	9	1	80%	105				1	100%	106			
		Telehandler 5t	2	9	2	80%	100				2	100%	101			
		Tractor	1	9	1	80%	97				1	100%	98			
		Concrete pump	1	3	1	80%	105				1	100%	106			
		Truck mixer	1	3	1	80%	106				1	100%	107			
		Tracked excavator	1	9	1	80%	105				1	100%	106			
		Dump truck	2	9	2	80%	109				2	100%	110			
		Breaker	2	9	2	80%	102				2	100%	103			
							117						118			
2	Piling / D-wall Works	impact piling rig	2	5	2	80%	116				2	100%	117			
		Bentonite separation plant	2	5	2	80%	106				2	100%	107			
		Lime dosing plant	1	5	1	80%	92				1	100%	93			
		Loader	1	5	1	80%	106				1	100%	107			
		Tracked excavator 30t	1	5	1	80%	99				1	100%	100			
		Dump Truck	2	5	2	80%	109				2	100%	110			
		Crane: Crawler 50t	2	5	2	80%	100				2	100%	101			
		Concrete pump	2	5	2	80%	108				2	100%	109			
		Truck mixer	1	5	1	80%	106				1	100%	107			
		Flat truck	2	5	2	80%	109				2	100%	110			
							119						120			
3	Excavation and RC Works	Tracked excavator 30t	1	8	1	80%	99				1	100%	100			
		Dump Truck	2	8	2	80%	109				2	100%	110			
		Loader	1	8	1	80%	106				1	100%	107			
		Concrete pump	2	8	2	80%	108				2	100%	109			
		Truck mixer	1	8	1	80%	106				1	100%	107			
		Crane crawler 50t	2	8	2	80%	100				2	100%	101			
		Flat truck	2	8	2	80%	109				2	100%	110			
							115						116			
4	Superstructure Construction	Electric Tower Cranes	2	6	2	80%	100				2	100%	101			
		Air compressor	2	6	2	80%	105				2	100%	106			
		Excavator	2	6	2	80%	108				2	100%	109			
		Diesel Generator	3	6	3	80%	110				3	100%	111			
		Forklift	2	6	2	80%	106				2	100%	107			
		Dump Truck	3	6	3	80%	111				3	100%	112			
		Diesel Mobile Cranes at Ground Level	1	6	1	80%	97				1	100%	98			
							116						117			

Appendix AA

Airborne Noise Criteria Correction Calculation

Background Noise Correction Calculations for $L_{Aeq(12hrs)}$, dB

Types of Affected Buildings	Noise Criteria for $L_{Aeq(12hrs)}$, dB (Monday to Saturday)																		Noise Criteria for $L_{Aeq(12hrs)}$, dB (Sunday & Public Holiday)															
	NM05		NM06		NM07		NM08		NM09		NM12		NM13		N14		N15		NM05		NM06		NM07		NM08		NM09		NM12		NM13		N14		N15	
	7am – 7pm	7pm – 7am	7am – 7pm	7pm – 7am	7am – 7pm	7pm – 7am	7am – 7pm	7pm – 7am	7am – 7pm	7pm – 7am	7am – 7pm	7pm – 7am	7am – 7pm	7pm – 7am	7am – 7pm	7pm – 7am	7am – 7pm	7pm – 7am	7am – 7pm	7pm – 7am	7am – 7pm	7pm – 7am	7am – 7pm	7pm – 7am	7am – 7pm	7pm – 7am	7am – 7pm	7pm – 7am	7am – 7pm	7pm – 7am	7am – 7pm	7pm – 7am	7am – 7pm	7pm – 7am	7am – 7pm	7pm – 7am
(a) Hospitals, schools, institutions of higher learning, homes for the aged or sick etc.																																		
Construction noise criteria	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50
Overall baseline noise level	55	49	61	57	60	57	54	47	56	55	53	47	57	49	52	51	74	75	52	48	59	56	59	56	50	40	55	53	62	50	57	49	49	52	74	73
Difference between maximum permissible construction noise level and overall baseline noise level	5	1	1	7	0	7	6	3	4	5	7	3	3	1	8	1	14	25	8	2	1	6	1	6	10	10	5	3	2	0	3	1	11	2	14	23
Background noise correction factor	1	3	3	1	3	1	1	2	2	1	1	2	2	3	1	3	0	0	1	3	3	1	3	1	0	0	1	2	2	3	2	3	0	2	0	0
Corrected noise sensitive receptor criteria	61	53	64	58	63	58	61	52	62	56	61	52	62	53	61	54	74	75	61	53	63	57	63	57	60	50	61	55	64	53	62	53	60	54	74	73
(b) Residential buildings located less than 150 m from the construction site where the noise is being emitted																																		
Construction noise criteria	75	NA	75	NA	75	NA	75	NA	75	NA	75	NA	75	NA	75	NA	75	NA	75	NA	75	NA	75	NA	75	NA	75	NA	75	NA	75	NA	75	NA	75	NA
Overall baseline noise level	55	49	61	57	60	57	54	47	56	55	53	47	57	49	52	51	74	75	52	48	59	56	59	56	50	40	55	53	62	50	57	49	49	52	74	73
Difference between maximum permissible construction noise level and overall baseline noise level	20	NA	14	NA	15	NA	21	NA	19	NA	22	NA	18	NA	23	NA	1	NA	23	NA	16	NA	16	NA	25	NA	20	NA	13	NA	18	NA	26	NA	1	NA
Background noise correction factor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
Corrected noise sensitive receptor criteria	75	NA	75	NA	75	NA	75	NA	75	NA	75	NA	75	NA	75	NA	78	NA	75	NA	75	NA	75	NA	75	NA	75	NA	75	NA	75	NA	75	NA	78	NA
(c) Buildings (other than those in paragraphs (a) and (b))																																		
Construction noise criteria	75	65	75	65	75	65	75	65	75	65	75	65	75	65	75	65	75	65	75	65	75	65	75	65	75	65	75	65	75	65	75	65	75	65	75	65
Overall baseline noise level	55	49	61	57	60	57	54	47	56	55	53	47	57	49	52	51	74	75	52	48	59	56	59	56	50	40	55	53	62	50	57	49	49	52	74	73
Difference between maximum permissible construction noise level and overall baseline noise level	20	16	14	8	15	8	21	18	19	10	22	18	18	16	23	14	1	10	23	17	16	9	16	9	25	25	20	12	13	15	18	16	26	13	1	8
Background noise correction factor	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	3	1
Corrected noise sensitive receptor criteria	75	65	75	66	75	66	75	65	75	65	75	65	75	65	75	65	78	76	75	65	75	66	75	66	75	65	75	65	75	65	75	65	75	65	78	74

Background Noise Correction Calculations for LAeq(1hr), dB

Types of Affected Buildings	Noise Criteria for $L_{Aeq(1hr)}$, dB (Monday to Saturday)																		Noise Criteria for $L_{Aeq(1hr)}$, dB (Sunday & Public Holiday)															
	NM05		NM06		NM07		NM08		NM09		NM12		NM13		NM14		NM15		NM05		NM06		NM07		NM08		NM09		NM12		NM13		NM14		NM15	
	7pm – 10pm	10pm – 7am	7pm – 10pm	10pm – 7am	7pm – 10pm	10pm – 7am	7pm – 10pm	10pm – 7am	7pm – 10pm	10pm – 7am	7pm – 10pm	10pm – 7am	7pm – 10pm	10pm – 7am	7pm – 10pm	10pm – 7am	7pm – 10pm	10pm – 7am	7pm – 10pm	10pm – 7am	7pm – 10pm	10pm – 7am	10pm – 7am	7pm – 10pm	10pm – 7am	7pm – 10pm	10pm – 7am	7pm – 10pm	10pm – 7am	7pm – 10pm	10pm – 7am	7pm – 10pm	10pm – 7am	7pm – 10pm	10pm – 7am
(b) Residential buildings located less than 150 m from the construction site where the noise is being emitted																																		
Construction noise criteria	65	55	65	55	65	55	65	55	65	55	65	55	65	55	65	55	65	55	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Overall baseline noise level	52	44	59	55	59	55	50	40	57	52	47	47	50	46	49	50	74	74	48	44	59	54	58	54	42	39	55	51	53	47	60	54	50	50	74	73
Difference between maximum permissible construction noise level and overall baseline noise level	13	11	6	0	6	0	15	15	8	3	18	8	15	9	16	5	9	19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background noise correction factor	0	0	1	3	1	3	0	0	1	2	0	1	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corrected noise sensitive receptor criteria	65	55	66	58	66	58	65	55	66	57	65	56	65	56	65	56	75	74	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Background Noise Correction Calculations for LAeq(5mins), dB

| Types of Affected Buildings | Noise Criteria for $L_{Aeq(5mins)}$, dB (Monday to Saturday) | | |

Project Criteria for Construction Noise Impact Assessment

No	Types of Affected Buildings	Noise Criteria for $L_{Aeq(12hours)}$, dB		Noise Criteria for $L_{Aeq(1hr)}$, dB		Noise Criteria for $L_{Aeq(5mins)}$, dB		
		7am - 7pm	7pm - 7am	7pm - 10pm	10pm - 7am	7am - 7pm	7pm - 10pm	10pm - 7am
Monday to Saturday								
NM05	(a) Noise Sensitive	61	53	NA	NA	75	56	55
	(b) Residential	75	NA	65	55	90	70	55
	(c) Others	75	65	NA	NA	90	70	70
NM06	(a) Noise Sensitive	64	58	NA	NA	75	60	58
	(b) Residential	75	NA	66	58	90	70	58
	(c) Others	75	66	NA	NA	90	70	70
NM07	(a) Noise Sensitive	63	58	NA	NA	75	60	58
	(b) Residential	75	NA	66	58	90	70	58
	(c) Others	75	66	NA	NA	90	70	70
NM08	(a) Noise Sensitive	61	52	NA	NA	75	56	55
	(b) Residential	75	NA	65	55	90	70	55
	(c) Others	75	65	NA	NA	90	70	70
NM09	(a) Noise Sensitive	62	56	NA	NA	75	59	57
	(b) Residential	75	NA	66	57	90	70	57
	(c) Others	75	65	NA	NA	90	70	70
NM12	(a) Noise Sensitive	61	52	NA	NA	75	56	56
	(b) Residential	75	NA	65	56	90	70	56
	(c) Others	75	65	NA	NA	90	70	70
NM13	(a) Noise Sensitive	62	53	NA	NA	75	56	56
	(b) Residential	75	NA	65	56	90	70	56
	(c) Others	75	65	NA	NA	90	70	70
NM14	(a) Noise Sensitive	61	54	NA	NA	75	56	56
	(b) Residential	75	NA	65	56	90	70	56
	(c) Others	75	65	NA	NA	90	70	70
NM15	(a) Noise Sensitive	74	75	NA	NA	78	74	74
	(b) Residential	78	NA	75	74	90	75	74
	(c) Others	78	76	NA	NA	90	75	76

No	Types of Affected Buildings	Noise Criteria for $L_{Aeq(12hours)}$, dB		Noise Criteria for $L_{Aeq(5mins)}$, dB		
		7am - 7pm	7pm - 7am	7am - 7pm	7pm - 10pm	10pm - 7am
Sunday and Public Holiday						
NM05	(a) Noise Sensitive	61	53	75	56	55
	(b) Residential	75	NA	75	56	55
	(c) Others	75	65	90	70	70
NM06	(a) Noise Sensitive	63	57	75	60	58
	(b) Residential	75	NA	75	60	58
	(c) Others	75	66	90	70	70
NM07	(a) Noise Sensitive	63	57	75	60	58
	(b) Residential	75	NA	75	60	58
	(c) Others	75	66	90	70	70
NM08	(a) Noise Sensitive	60	50	75	55	55
	(b) Residential	75	NA	75	55	55
	(c) Others	75	65	90	70	70
NM09	(a) Noise Sensitive	61	55	75	58	56
	(b) Residential	75	NA	75	58	56
	(c) Others	75	65	90	70	70
NM12	(a) Noise Sensitive	64	53	75	57	56
	(b) Residential	75	NA	75	57	56
	(c) Others	75	65	90	70	70
NM13	(a) Noise Sensitive	62	53	75	60	58
	(b) Residential	75	NA	75	60	58
	(c) Others	75	65	90	70	70
NM14	(a) Noise Sensitive	60	54	75	56	56
	(b) Residential	75	NA	75	56	56
	(c) Others	75	65	90	70	70
NM15	(a) Noise Sensitive	74	73	78	74	73
	(b) Residential	78	NA	78	74	73
	(c) Others	78	74	90	76	75

Background Noise Correction Calculations for LAeq(15min), dB

Type of Affected Premises	Noise Criteria for $L_{Aeq(15mins)}$, dB																										
	NM05			NM06			NM07			NM08			NM09			NM12			NM13			NM14			NM15		
	7am - 7pm	7pm - 11pm	11pm - 7am	7am - 7pm	7pm - 11pm	11pm - 7am	7am - 7pm	7pm - 11pm	11pm - 7am	7am - 7pm	7pm - 11pm	11pm - 7am	7am - 7pm	7pm - 11pm	11pm - 7am	7am - 7pm	7pm - 11pm	11pm - 7am	7am - 7pm	7pm - 11pm	11pm - 7am	7am - 7pm	7pm - 11pm	11pm - 7am	7am - 7pm	7pm - 11pm	11pm - 7am
Noise Sensitive Premises such as hospital, home for the aged sick, library, etc.																											
Construction noise criteria	60	55	50	60	55	50	60	55	50	60	55	50	60	55	50	60	55	50	60	55	50	60	55	50	60	55	50
Overall baseline noise level	54	50	43	60	59	54	60	59	54	52	48	39	56	56	51	52	47	46	52	50	45	50	49	49	73	74	73
Difference between maximum permissible construction noise level and overall baseline noise level	6	5	7	0	4	4	0	4	4	8	7	11	4	1	1	8	8	4	8	5	5	10	6	1	13	19	23
Background noise correction factor	1	1	1	3	1	1	3	1	1	1	1	0	1	3	3	1	1	1	1	1	1	1	1	3	0	0	0
Corrected noise sensitive receptor criteria	61	56	51	63	60	55	63	60	55	61	56	50	61	59	54	61	56	51	61	56	51	61	56	53	73	74	73
Residential Premises																											
Construction noise criteria	65	60	55	65	60	55	65	60	55	65	60	55	65	60	55	65	60	55	65	60	55	65	60	55	65	60	55
Overall baseline noise level	54	50	43	60	59	54	60	59	54	52	48	39	56	56	51	52	47	46	52	50	45	50	49	49	73	74	73
Difference between maximum permissible construction noise level and overall baseline noise level	11	10	12	5	1	1	5	1	1	13	12	16	9	4	4	13	13	9	13	10	10	15	11	6	8	14	18
Background noise correction factor	0	1	0	1	3	3	1	3	3	0	0	0	1	2	1	0	0	1	0	0	1	0	0	1	1	0	0
Corrected noise sensitive receptor criteria	65	61	55	66	63	58	66	63	58	65	60	55	66	62	56	65	60	56	65	60	56	65	60	56	74	74	73
Others																											
Construction noise criteria	70	65	60	70	65	60	70	65	60	70	65	60	70	65	60	70	65	60	70	65	60	70	65	60	70	65	60
Overall baseline noise level	54	50	43	60	59	54	60	59	54	52	48	39	56	56	51	52	47	46	52	50	45	50	49	49	73	74	73
Difference between maximum permissible construction noise level and overall baseline noise level	16	15	17	10	6	6	10	6	6	18	17	21	14	9	9	18	18	14	18	15	15	20	16	11	3	9	13
Background noise correction factor	0	0	0	1	1	1	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	1	0
Corrected noise sensitive receptor criteria	70	65	60	71	66	61	71	66	61	70	65	60	70	66	61	70	65	60	70	65	60	70	65	60	75	75	73

Project Criteria for Operation Noise Impact Assessment

No	Type of Affected Premises	Noise Criteria for $L_{Aeq(15mins)}$, dB		
		7am - 7pm	7pm - 11pm	11pm - 7am
NM05	Noise Sensitive Premises such as hospital, home for the aged sick, library, etc.	61	56	51
	Residential Premises	65	61	55
	Others	70	65	60
NM06	Noise Sensitive Premises such as hospital, home for the aged sick, library, etc.	63	60	55
	Residential Premises	66	63	58
	Others	71	66	61
NM07	Noise Sensitive Premises such as hospital, home for the aged sick, library, etc.	63	60	55
	Residential Premises	66	63	58
	Others	71	66	61
NM08	Noise Sensitive Premises such as hospital, home for the aged sick, library, etc.	61	56	50
	Residential Premises	65	60	55
	Others	70	65	60
NM09	Noise Sensitive Premises such as hospital, home for the aged sick, library, etc.	61	59	54
	Residential Premises	66	62	56
	Others	70	66	61
NM12	Noise Sensitive Premises such as hospital, home for the aged sick, library, etc.	61	56	51
	Residential Premises	65	60	56
	Others	70	65	60
NM13	Noise Sensitive Premises such as hospital, home for the aged sick, library, etc.	61	56	51
	Residential Premises	65	60	56
	Others	70	65	60
NM14	Noise Sensitive Premises such as hospital, home for the aged sick, library, etc.	61	56	53
	Residential Premises	65	60	56
	Others	70	65	60
NM15	Noise Sensitive Premises such as hospital, home for the aged sick, library, etc.	73	74	73
	Residential Premises	74	74	73
	Others	75	75	73

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