MOTT MACDONALD

Expansion of Hong Kong International Airport into a Three-Runway System

Construction Phase Annual EM&A Report No.6

June 2022

Airport Authority Hong Kong

Mott MacDonald
3/F Manulife Place
348 Kwun Tong Road
Kwun Tong
Kowloon
Hong Kong

T +852 2828 5757
mottmac.hk

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Construction Phase Annual EM&A Report No.6

June 2022

Mott MacDonald Hong Kong Limited
registered in Hong Kong no. 236497

Airport Authority Hong Kong

This Construction Phase Annual EM&A Report No. 6 has been reviewed and certified by

the Environmental Team Leader (ETL) in accordance with

Section 15.5 of the Updated EM&A Manual

Certified by: 

Terence Kong
Environmental Team Leader (ETL)
Mott MacDonald Hong Kong Limited

Date: 30 June 2022

AECOM
8/F, Grand Central Plaza, Tower 2, 138 Shatin Rural Committee Road, Shatin, Hong Kong
香港新界沙田鄉事會路 138 號新城市中央廣場第 2 座 8 樓
www.aecom.com
+852 3922 9000 tel
+852 2317 7609 fax

Our Ref : 60440482/C/JCHL220630

By Email

Airport Authority Hong Kong
HKIA Tower, 1 Sky Plaza Road
Hong Kong International Airport
Lantau, Hong Kong

Attn: Mr. Lawrence Tsui, Principal Manager, Environmental Compliance

30 June 2022

Dear Sir,

Contract No. 3102
3RS Independent Environmental Checker Consultancy Services

Submission of Construction Phase Annual EM&A Report No.6

Reference is made to the Environmental Team's submission of the Construction Phase Annual EM&A Report No.6 under Condition 15.5 of the Updated EM&A Manual certified by the ET Leader on 30 June 2022.

We would like to inform you that we have no adverse comment on the captioned submission. Therefore, we write to verify the captioned submission in accordance with the requirement stipulated in Condition 2.3 of EP-489/2014.

Should you have any query, please feel free to contact the undersigned at 3922 9376.

Yours faithfully,
AECOM Asia Co. Ltd.



Jackel Law
Independent Environmental Checker

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Abbreviations

3RS	Three-Runway System
AAHK	Airport Authority Hong Kong
AECOM	AECOM Asia Company Limited
AFCD	Agriculture, Fisheries and Conservation Department
AIS	Automatic Information System
ANI	Encounter Rate of Number of Dolphins
APM	Automated People Mover
AW	Airport West
BHS	Baggage Handling System
CAP	Contamination Assessment Plan
CAR	Contamination Assessment Report
CTP	Coral Translocation Plan
CWD	Chinese White Dolphin
DCM	Deep Cement Mixing
DEZ	Dolphin Exclusion Zone
DO	Dissolved Oxygen
DPSE	Number of Dolphins per 100 Units of Survey Effort
EAR	Ecological Acoustic Recorder
EIA	Environmental Impact Assessment
EM&A	Environmental Monitoring & Audit
EP	Environmental Permit
EPD	Environmental Protection Department
ET	Environmental Team
FCZ	Fish Culture Zone
HDD	Horizontal Directional Drilling
HKBCF	Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities
HKIA	Hong Kong International Airport
HSF	High Speed Ferry
IEC	Independent Environmental Checker
LKC	Lung Kwu Chau
MTCC	Marine Traffic Control Centre
MMHK	Mott MacDonald Hong Kong Limited
MMWP	Marine Mammal Watching Plan
MSS	Maritime Surveillance System
MTRMP-CAV	Marine Travel Routes and Management Plan for Construction and Associated Vessel
NEL	Northeast Lantau
NWL	Northwest Lantau
PAM	Passive Acoustic Monitoring
PM	Partial Mortality
PVD	Prefabricated Vertical Drain
RBRGs	Risk Based Remediation Goals
SC	Sha Chau
SCLKCMP	Sha Chau and Lung Kwu Chau Marine Park
SPSE	Number of On-effort Sightings per 100 Units of Survey Effort
SS	Suspended Solids
STG	Encounter Rate of Number of Dolphin Sightings
SWL	Southwest Lantau
The Project	The Expansion of Hong Kong International Airport into a Three-Runway System

The SkyPier Plan	Marine Travel Routes and Management Plan for High Speed Ferries of SkyPier
T2	Terminal 2
T2C	Terminal 2 Concourse
TCLP	Toxicity Characteristics Leaching Procedure
TCSPS	Tung Chung Sewage Pumping Station
TSP	Total Suspended Particulates
UCS	Unconfined Compressive Strength
WL	West Lantau
WMP	Waste Management Plan

Executive summary

The "Expansion of Hong Kong International Airport into a Three-Runway System" (the Project) serves to meet the future air traffic demands at Hong Kong International Airport (HKIA). On 7 November 2014, the Environmental Impact Assessment (EIA) Report (Register No.: AEIAR-185/2014) for the Project was approved and an Environmental Permit (EP) (Permit No.: EP-489/2014) was issued for the construction and operation of the Project.

Airport Authority Hong Kong (AAHK) commissioned Mott MacDonald Hong Kong Limited (MMHK) to undertake the role of Environmental Team (ET) for carrying out the Environmental Monitoring & Audit (EM&A) works during the construction phase of the Project in accordance with the Updated EM&A Manual (the Manual).

This is the 6th Construction Phase Annual EM&A Report for the Project which summarizes the monitoring results and audit findings of the EM&A programme during the reporting period from 1 January 2021 to 31 December 2021.

Key Activities in the Reporting Period

Key activities of the Project carried out in the reporting period were related to the following contracts:

Reclamation Works:

Contract 3206 Main Reclamation Works

- Land-based ground improvement works;
- Marine and land filling;
- Deep Cement Mixing (DCM) works;
- Seawall construction; and
- Backfilling works.

Airfield Works:

Contract 3301 North Runway Crossover Taxiway

- Subgrade compaction works;
- Cable ducting works; and
- Paving works.

Contract 3302 Eastern Vehicular Tunnel Advance Works

- Trench excavation works;
- Piling and structure works;
- Cable laying and ducting works; and
- Backfilling and reinstatement works.

Contract 3303 Third Runway and Associated Works

- Land-based ground improvement works;
- Piling work;
- Box culvert construction;
- Cable laying and ducting works;
- Construction of runway and associated facilities;
- Construction of approach light; and
- Construction and operation of asphalt plant**.**

Contract 3305 Airfield Ground Lighting System

- Delivery and installation of lighting system;
- Network and Genset installation;
- Cabling works; and
- Site office establishment.

Contract 3306 Observation Facility Control System Supporting Interim 2RS and 3RS

- Consoles, system and network installation; and
- Cabling works.

Contract 3307 Fire Training Facility

- Excavation works;
- Building construction;
- Architectural, builder's and finishing works; and
- Drainage and utilities works.

Contract 3308 Foreign Object Debris Detection System

- Site formation;
- Footing works; and
- Foreign Object Debris Tower installation.

Contract 3310 North Runway Modification Works

- Ground improvement works;
- Piling work; and
- Steel deck erection.

Third Runway Concourse:

Contract 3403 New Integrated Airport Centres Building and Civil Works

- Excavation and foundation works;
- Pre-boring and sheetpiling works;
- Cable and lightning pit installation;
- Completion of video wall supporting frame and roof cladding system;
- Architectural, Builder's Work and Finishing works; and
- Drainage and ducting works.

Contract 3404 Integrated Airport Control System

- Equipment installation; and
- Cable laying.

Contract 3405 Three Runway Concourse Foundation and Substructure Works

- Foundation works;
- Sheet piling and pile cap construction;
- Excavation and backfilling; and
- Road formation.

Contract 3408 Third Runway Concourse and Apron Works

- Site setup works; and
- Excavation and lateral support works.

Terminal 2 (T2) Expansion:

Contract 3503 Terminal 2 Foundation and Substructure Works

- T2 re-configuration;
- Excavation works;
- Utilities road work; and

- Piling and structure works.

Contract 3508 Terminal 2 Expansion Works

- Site formation;
- Piling and builders' works;
- Excavation and footing construction;
- Temporary road construction and bridge demolition; and
- Drainage works.

Automated People Mover (APM) and Baggage Handling System (BHS):

Contract 3601 New Automated People Mover System (TRC Line)

- Concreting work and rebar fixing;
- Formwork erection and removal; and
- Guidebeam installation.

Contract 3602 Existing APM System Modification Works

- Modification works at APM depot;
- Concreting work;
- Formwork erection; and
- Car modification.

Baggage Handling System (BHS) Works:

Contract 3603 3RS Baggage Handling System

- BHS modification work; and
- Dismantling works.

Construction Support (Facilities):

Contract 3721 Construction Support Infrastructure Works

- Excavation and backfilling;
- Paving works; and
- Laying of drainage pipes and ducts.

Contract 3722 Construction Support Facilities

- Foundation works;
- Erection of formwork and superstructure;
- Electrical and mechanical installation; and
- Site establishment.

Contract 3723 Construction Support Facilities

- Foundation works;
- Erection of superstructure;
- Electrical and mechanical installation;
- Sewage pump and treatment system installation; and
- Site establishment.

Airport Support Infrastructure:

Contract 3801 APM and BHS Tunnels on Existing Airport Island

- Construction of slab, box culvert, working platform, ventilation ducts and ventilation building;
- Cofferdam installation for shaft;
- Hanger support and soil nail installation;
- Formwork, rebar fixing and casting;
- Demolition and drainage works; and

- Excavation works and backfilling.

Contract 3802 APM and BHS Tunnels and Related Works

- Foundation works;
- Pipe pile and sheet pile works;
- Construction of Airside Fire Station and marine sediment treatment plant;
- Construction of Wall and slab;
- Installation of sheet pipes, storm drain pipes and dewatering well;
- Site establishment; and
- Excavation and ducting works.

Construction Support (Services / Licences):

Contract 3901A Concrete Batching Facility

- Installation of plant equipment;
- Construction of plant and material conveyor belt;
- Construction of drainage, pavement and fencing;
- Erection of superstructure; and
- Operation of concrete batching plant.

Contract 3901B Concrete Batching Facility

- Installation of plant equipment;
- Construction of drainage, pavement and fencing;
- Concreting work;
- Erection of superstructure;
- Operation of concrete batching plant; and
- Testing and commissioning for conveyor belt.

EM&A Activities Conducted in the Reporting Period

The EM&A programme was undertaken in accordance with the Manual. Summary of monitoring activities during this reporting period is presented as below:

Monitoring/ Audit Activities	Number of Sessions
Air Quality Monitoring	378
Noise Monitoring	208
Water Quality Monitoring	153
Vessel line-transect surveys for Chinese White Dolphin (CWD) monitoring	24
Land-based theodolite tracking survey effort for CWD monitoring	24

Environmental auditing works, including weekly site inspections of construction works conducted by the ET and bi-weekly site inspections conducted by the Independent Environmental Checker (IEC), audit of SkyPier High Speed Ferries (HSF), audit of construction and associated vessels, and audit of implementation of Marine Mammal Watching Plan (MMWP) and Dolphin Exclusion Zone (DEZ) Plan, were conducted in the reporting period. Based on the information including ET's observations, records of Maritime Surveillance System (MSS), and contractors' site records, it is noted that the environmental pollution control and mitigation measures were properly implemented and the construction activities of the Project in the reporting period did not introduce adverse impact to the environment.

In accordance with Section 6.2.1.1 of the Manual, the methodology of annual sewage flow monitoring for the existing gravity sewer from the airport discharge manhole to Tung Chung Sewage Pumping Station (TCSPS) should be prepared and submitted to EPD one year before the scheduled commencement of operation of the proposed third runway. As such, the sewage flow monitoring methodology paper was prepared, submitted and subsequently approved by EPD on 21 June 2021. The annual sewage flow monitoring has also been started since June 2021. According to the daily flow monitoring record of Sewage Pumping Station 1 (SPS-1) located at the Airport from June to December 2021 (see **Appendix D**), the daily average flow ranged from 13,448 (m^3/day) to 16,319 (m^3/day), which were well below 80% of pipe full flow capacity of 53,395.2 m^3/day as defined in Section 2.6.3 of the approved sewage flow monitoring methodology paper. For the subsequent sets of sewage flow monitoring data for SPS-1, it will be presented in upcoming Quarterly and Annual EM&A Reports.

Summary Findings of the EM&A Programme

The monitoring works for construction dust, construction noise, water quality, construction waste, landscape & visual, and CWD were conducted during the reporting period in accordance with the Manual.

Monitoring results of construction dust, construction waste, and CWD did not trigger the corresponding Action and Limit Levels in the reporting period.

One monitoring result of construction noise triggered the relevant Limit Level, and the corresponding investigation was conducted as stipulated in the EM&A programme. The investigation findings concluded that the exceedance was not due to the Project.

The water quality monitoring results for turbidity, total alkalinity and nickel obtained during the reporting period were within the corresponding Action and Limit Levels stipulated in the EM&A programme. Relevant investigation and follow-up actions will be conducted according to the EM&A programme if the corresponding Action and Limit Levels are triggered. For dissolved oxygen (DO), suspended solids (SS) and chromium, some of the monitoring results triggered the relevant Action or Limit Levels, and the corresponding investigations were conducted accordingly. The investigation findings concluded that all cases were not related to the Project. To conclude, the construction activities in the monitoring period did not introduce adverse impact to all water quality sensitive receivers.

Summary Table

The Key findings of the EM&A programme during the reporting period are summarised as below:

	Yes	No	Details	Analysis / Recommendation / Remedial Actions
Breach of Limit Level^		√	No exceedance of project-related Limit Level was recorded.	Nil
Breach of Action Level^		√	No exceedance of project-related Action Level was recorded.	Nil
Complaints Received	√		Twenty complaints were received in 2021: 25 Jan (3 complaints received), 1 Feb, 2 Feb, 3 Feb, 9 Feb, 20 Apr, 14 May, 21 Jun (2 complaints received), 28 Jun, 13 Jul, 6 Oct, 29 Oct, 7 Nov, 15 Nov, 24 Nov, 1 Dec and 13 Dec 2021.	The complaint investigations were carried out in accordance with the Complaint Management Plan. Details are presented in S3.2.1.
Notification of any summons and status of prosecutions	√		A contractor reported in October 2021 that they had pleaded guilty in court regarding a dust control emission incident for reclamation works in April 2021.	Nil
Changes that affect the EM&A		√	There was no change to the construction works that may affect the EM&A.	Nil

Remarks: ^ Only triggering of Action or Limit Level found related to Project works is counted as Breach of Action or Limit Level.

1 Introduction

1.1 Background

On 7 November 2014, the Environmental Impact Assessment (EIA) Report (Register No.: AEIAR-185/2014) for the "Expansion of Hong Kong International Airport into a Three-Runway System" (the Project) was approved and an Environmental Permit (EP) (Permit No.: EP-489/2014) was issued for the construction and operation of the Project.

Airport Authority Hong Kong (AAHK) commissioned Mott MacDonald Hong Kong Limited (MMHK) to undertake the role of Environmental Team (ET) for carrying out the Environmental Monitoring & Audit (EM&A) works during the construction phase of the Project in accordance with the Manual[1] submitted under EP Condition 3.1. AECOM Asia Company Limited (AECOM) was employed by AAHK as the Independent Environmental Checker (IEC) for the Project.

The Project covers the expansion of the existing airport into a three-runway system (3RS) with key project components comprising land formation of about 650 hectares and all associated facilities and infrastructure including taxiways, aprons, aircraft stands, a passenger concourse, an expanded Terminal 2, all related airside and landside works and associated ancillary and supporting facilities. The existing submarine aviation fuel pipelines and submarine power cables also require diversion as part of the works.

Construction of the Project is to proceed in the general order of diversion of the submarine aviation fuel pipelines, diversion of the submarine power cables, land formation, and construction of infrastructure, followed by construction of superstructures.

The summary of construction works programme can be referred to the corresponding Monthly EM&A Reports. Description of relevant contracts in the reporting period is presented in **Appendix A**.

1.2 Scope of this Report

This is the 6th Construction Phase Annual EM&A Report for the Project which summarizes the key findings of the EM&A programme during the reporting period from 1 January 2021 to 31 December 2021.

1.3 Project Organization

The Project's organization structure and the contact details of the key personnel are provided in **Appendix B** and **Table 1.1** respectively.

[1] The Manual is available on the Project's dedicated website (accessible at: http://env.threerunwaysystem.com/en/index.html).

Table 1.1: Contact Information of Key Personnel

Party	Position	Name	Telephone
Project Manager's Representative (Airport Authority Hong Kong)	Principal Manager, Environmental Compliance, Sustainability	Lawrence Tsui	2183 2734
Environmental Team (ET) (Mott MacDonald Hong Kong Limited)	Environmental Team Leader	Terence Kong	2828 5919
	Deputy Environmental Team Leader	Heidi Yu	2828 5704
		Ken Wong	2828 5817
Independent Environmental Checker (IEC) (AECOM Asia Company Limited)	Independent Environmental Checker	Jackel Law	3922 9376
	Deputy Independent Environmental Checker	Roy Man	3922 9141

Reclamation Works:

Party	Position	Name	Telephone
Contract 3206 Main Reclamation Works (ZHEC-CCCC-CDC Joint Venture)	Project Manager	Alan Mong	3763 1352
	Environmental Officer	Zhang Bin Wang	3763 1451

Airfield Works:

Party	Position	Name	Telephone
Contract 3301 North Runway Crossover Taxiway (FJT-CHEC-ZHEC Joint Venture)	Deputy Project Director	Kin Hang Chung	9800 0048
	Environmental Officer	Joe Wong	6182 0351
Contract 3302 Eastern Vehicular Tunnel Advance Works (China Road and Bridge Corporation)	Project Manager	Dickey Yau	5699 4503
	Environmental Officer	Dennis Ho	5645 0563
Contract 3303 Third Runway and Associated Works (SAPR Joint Venture)	Project Manager	Andrew Keung	6277 6628
	Environmental Officer	Gabriel Wong	6114 9590
Contract 3305 Airfield Ground Lighting System (ADB Safegate Hong Kong Limited)	Project Manager	Allam Al-Turk	2944 9725
	Environmental Officer	Calvin Sze	9205 9277
Contract 3306 Observation Facility Control System Supporting Interim 2RS and 3RS (Chinney Alliance Engineering Limited)	Project Director	Dennis Yam	9551 9920
	Environmental Officer	Richard Liu	9216 8990
Contract 3307 Fire Training Facility (Paul Y. Construction Company Limited)	Project Manager	Chris Wong	6110 1157
	Environmental Officer	Albert Chan	9700 1083

Party	Position	Name	Telephone
Contract 3308 Foreign Object Debris Detection System (DAS Aviation Services Group)	Project Manager	Jeffrey Yau	9873 7422
Contract 3310 North Runway Modification Works (China State Construction Engineering (Hong Kong) Ltd.)	Project Manager	Kingsley Chiang	9424 8437
	Environmental Officer	Federick Wong	9842 2703

Third Runway Concourse:

Party	Position	Name	Telephone
Contract 3402 New Integrated Airport Centres Enabling Works (Wing Hing Construction Co., Ltd.)	Contract Manager	Michael Kan	9206 0550
	Environmental Officer	Lisa He	5374 3418
Contract 3403 New Integrated Airport Centres Building and Civil Works (Sun Fook Kong Construction Limited)	Project Manager	Alice Leung	9220 3162
	Environmental Officer	Ray Cheung	9785 1566
Contract 3404 Integrated Airport Control System (Shun Hing Systems Integration Co., Ltd.)	Project Manager	Andy Ng	9102 2739
	Environmental Officer	Richard Ng	9802 9577
Contract 3405 Third Runway Concourse Foundation and Substructure Works (China Road and Bridge Corporation – Bachy Soletanche Group Limited – LT Sambo Co., Ltd. Joint Venture)	Project Manager	Francis Choi	9423 3469
	Environmental Officer	Jacky Lai	9028 8975
Contract 3408 Third Runway Concourse and Apron Works (Beijing Urban Construction Group Company Limited and Chevalier (Construction) Company Limited Joint Venture)	Assistant Project Manager	Qian Zhang	5377 7976
	Environmental Officer	Malcolm Leung	7073 7559

Terminal 2 (T2) Expansion Works:

Party	Position	Name	Telephone
Contract 3503 Terminal 2 Foundation and Substructure Works (Leighton – Chun Wo Joint Venture)	Project Manager	Eric Wu	3973 1718
	Environmental Officer	Rex Yiu	6465 6861
Contract 3508 Terminal 2 Expansion Works (Gammon Engineering & Construction Company Limited)	Project Manager	Richard Ellis	6201 5637
	Environmental Officer	Fanny Law	6184 4650

Automated People Mover (APM) and Baggage Handling System (BHS):

Party	Position	Name	Telephone
Contract 3601 New Automated People Mover System (TRC Line) (CRRC Puzhen Bombardier Transportation Systems Limited and CRRC Nanjing Puzhen Co., Ltd. Joint Venture)	Project Manager	Hongdan Wei	158 6180 9450
	Environmental Officer	P L Wong	9143 2185
Contract 3602 Existing APM System Modification Works (Niigata Transys Co., Ltd.)	Project Manager	Kunihiro Tatecho	9755 0351
	Environmental Officer	Jack Chow	9880 6338
Contract 3603 3RS Baggage Handling System (VISH Consortium)	Project Manager	K C Ho	9272 9626
	Environmental Officer	Eric Ha	9215 3432

Construction Support (Facilities):

Party	Position	Name	Telephone
Contract 3721 Construction Support Infrastructure Works (China State Construction Engineering (Hong Kong) Ltd.)	Site Agent	Thomas Lui	9011 5340
	Environmental Officer	Gary Yeung	9042 1720
Contract 3722 Western Support Area – Construction Support Facilities (Tapbo Construction Company Limited and Konwo Modular House Limited Joint Venture)	Deputy Project Director	Philip Kong	9049 3161
	Environmental Officer	Eddie Suen	6338 8862
Contract 3723 Eastern Support Area – Construction Support Facilities (Tapbo Construction Company Limited and Konwo Modular House Ltd. Joint Venture.)	Deputy Project Director	Philip Kong	9337 8700
	Environmental Officer	Eddie Suen	6338 8862
Contract 3728 Minor Site Works (Shun Yuen Construction Company Limited)	Contract Manager	C K Liu	9194 8739
	Environmental Officer	Dan Leung	6856 5899
Contract 3733 Emergency Repair Service (Wing Hing Construction Co., Ltd.)	Project Manager	Michael Kan	9206 0550
	SHE Manager	Mike Leung	6625 2550

Airport Support Infrastructure:

Party	Position	Name	Telephone
Contract 3801 APM and BHS Tunnels on Existing Airport Island (China State Construction Engineering (Hong Kong) Ltd.)	Project Manager	Kingsley Chiang	9424 8437
	Environmental Officer	Eunice Kwok	9243 1331

Party	Position	Name	Telephone
Contract 3802 APM and BHS Tunnels and Related Works (Gammon Engineering & Construction Company Limited)	Project Manager	John Adams	6111 6989
	Environmental Officer	Phoebe Ng	9869 1105

Construction Support (Services / Licences):

Party	Position	Name	Telephone
Contract 3901A Concrete Batching Facility (K. Wah Concrete Company Limited)	Project Manager	Benedict Wong	9553 2806
	Environmental Officer	C P Fung	9874 2872
Contract 3901B Concrete Batching Facility (Gammon Construction Limited)	Project Manager	Gabriel Chan	2435 3260
	Environmental Officer	Rex Wong	2695 6319

1.4 Contact Information for the Project

The contact information for the Project is provided in **Table 1.2**. The public can contact us through the following channels if they have any queries and comments on the environmental monitoring data and project related information.

Table 1.2: Contact Information of the Project

Channels	Contact Information
Hotline	3908 0354
Email	env@3rsproject.com
Fax	3747 6050
Postal Address	Airport Authority Hong Kong HKIA Tower 1 Sky Plaza Road Hong Kong International Airport Lantau Hong Kong Attn: Environmental Team Leader Mr Terence Kong c/o Mr Lawrence Tsui (TRD)

1.5 Summary of Construction Works

The key activities of the Project carried out in the reporting period are located in reclamation areas and existing airport island respectively. Works in the reclamation areas included excavation and foundation works for Terminal 2 Concourse (T2C), ground improvement works, DCM works, marine and land filling, seawall, site office and facilities construction, together with runway and associated works such as bored piling for approach lights, box culvert and asphalt plant construction, console network, genset, lighting system and foreign object debris tower installation. Land-based works on existing airport island involved mainly airfield works, excavation and foundation works for Terminal 2 expansion, modification and tunnel works for Automated People Mover (APM) and Baggage Handling System (BHS), and preparation work for utilities, with activities include site establishment, site office construction, electrical and mechanical installation, road and drainage works, cable ducting, demolition, piling, and excavation works.

Overall, the construction progress of the Project was generally maintained in spite of the impact of Coronavirus Disease 2019 (COVID-19). Pavement of the Third Runway was completed and a ceremony for capturing this milestone was held in September 2021. AAHK has also implemented various effective measures (i.e. handover of or early access to works areas among different contractors, deployment of extra resources in extended working hours and re-sequencing of works to prioritize the completion of all critical works etc.) to ensure that the overall progress of the Project was anticipatedly proceeded according to the planned schedule, and aimed to support the entire project programme to commission the Third Runway in 2022 and the completion of 3RS in 2024[1].

The locations of the works areas are presented in **Figure 1.1.**

1.6 Summary of EM&A Programme Requirements

The status for all environmental aspects is presented in **Table 1.3**.

[1]Details of the construction progress of the Project refer to the "Update on the Development of the Three-Runway System at Hong Kong International Airport (LC Paper No. CB(4)1696/20-21(01))" available on related website (https://www.thb.gov.hk/eng/legislative/transport/panel/air/20211027.pdf)

Table 1.3: Summary of Status for All Environmental Aspects under the Manual

Parameters	EM&A Requirements	Status
Air Quality		
Baseline Monitoring	At least 14 consecutive days before commencement of construction work	The baseline air quality monitoring results were reported in Baseline Monitoring Report and submitted to EPD under EP Condition 3.4.
Impact Monitoring	At least 3 times every 6 days	On-going
Noise		
Baseline Monitoring	Daily for a period of at least two weeks prior to the commencement of construction works	The baseline noise monitoring results were reported in Baseline Monitoring Report and submitted to EPD under EP Condition 3.4.
Impact Monitoring	Weekly	On-going
Water Quality		
General Baseline Water Quality Monitoring for reclamation, water jetting and field joint works	Three days per week, at mid-flood and mid-ebb tides, for at least four weeks prior to the commencement of marine works.	The baseline water quality monitoring results were reported in Baseline Water Quality Monitoring Report and submitted to EPD under EP Condition 3.4.
General Impact Water Quality Monitoring for reclamation, water jetting and field joint works	Three days per week, at mid-flood and mid-ebb tides.	On-going for reclamation works. General impact water quality monitoring for water jetting works was completed on 23 May 2017.
Initial Intensive Deep Cement Mixing (DCM) Water Quality Monitoring	At least four weeks	The Initial Intensive DCM Monitoring Report was submitted and approved by EPD in accordance with the Detailed Plan on DCM.
Regular DCM Water Quality Monitoring	Three times per week until completion of DCM works.	In view of the completion of marine-based DCM, regular DCM monitoring was ceased since 14 January 2021. However, due to a resumption of marine-based DCM works for Contract 3206 in February 2021, the regular DCM monitoring was resumed at all monitoring stations starting from 2 February 2021. As of May 2021, the aforementioned marine-based DCM works were completed, hence the regular DCM monitoring was ceased again at all monitoring stations starting from 24 June 2021 and would be resumed if there are marine-based DCM works in the coming future.
Sewerage and Sewage Treatment		
Methodology for carrying out annual sewage flow monitoring for concerned gravity sewer	Methodology to be prepared and submitted to EPD at least one year before commencement of the operation of 3RS	The proposed methodology of the annual sewage flow monitoring was approved by EPD. The annual flow monitoring has been started since June 2021.
Details of the routine H2S monitoring system for the sewerage system of 3RS	Details to be prepared and submitted to EPD at least one year before commencement of the operation of 3RS	The details of the routine H_2S monitoring system will be prepared and submitted to EPD at least one year before commencement of operation of 3RS.
Waste Management		
Waste Monitoring	At least weekly	On-going
Land Contamination		
Supplementary Contamination Assessment Plan (CAP)	At least 3 months before commencement of any soil remediation works.	The Supplementary CAP was submitted and approved by EPD pursuant to EP condition 2.20.

Parameters	EM&A Requirements	Status
Contamination Assessment Report (CAR)	CAR to be submitted for golf course	The CAR for Golf Course was submitted and accepted by EPD.
	CAR to be submitted for Terminal 2 Emergency Power Supply Systems	The CARs for Terminal 2 Emergency Power Supply Systems were submitted and accepted by EPD.
Terrestrial Ecology		
Pre-construction Egretry Survey Plan	Once per month in the breeding season between April and July, prior to the commencement of HDD drilling works.	The revised Egretry Survey Plan was submitted and approved by EPD under EP Condition 2.14.
Ecological Monitoring	Monthly monitoring during the HDD construction works period from August to March.	The terrestrial ecological monitoring at Sheung Sha Chau was completed in January 2019.
Marine Ecology		
Pre-Construction Phase Coral Dive Survey	Prior to marine construction works	The Coral Translocation Plan was submitted and approved by EPD under EP Condition 2.12.
Coral Translocation	-	The coral translocation was completed on 5 January 2017.
Coral Post-translocation Monitoring	As per an enhanced monitoring programme based on the Coral Translocation Plan	The post-translocation monitoring programme according to the Coral Translocation Plan was completed in April 2018.
Chinese White Dolphins (CWD)		
Baseline Monitoring	6 months of baseline surveys before the commencement of land formation related construction works. Vessel line transect surveys: Two full surveys per month; Land-based theodolite tracking surveys: Two days per month at the Sha Chau station and two days per month at the Lung Kwu Chau station; and Passive Acoustic Monitoring (PAM): For the whole duration of baseline period.	Baseline CWD results were reported in the CWD Baseline Monitoring Report and submitted to EPD in accordance with EP Condition 3.4.
Impact Monitoring	Vessel line transect surveys: Two full surveys per month; Land-based theodolite tracking surveys: One day per month at the Sha Chau station and one day per month at the Lung Kwu Chau station; and PAM: For the whole duration for land formation related construction works.	On-going
Landscape and Visual		
Landscape and Visual Plan	At least 3 months before the commencement of construction works on the formed land of the Project.	The Landscape & Visual Plan was submitted to EPD under EP Condition 2.18.
Baseline Monitoring	One-off survey within the Project site boundary prior to commencement of any construction works	The baseline landscape & visual monitoring result has been reported in Baseline Monitoring Report and submitted to EPD under EP Condition 3.4.

Parameters	EM&A Requirements	Status
Impact Monitoring	Weekly	On-going
Environmental Auditing		
Regular site inspection	Weekly	On-going
Marine Mammal Watching Plan (MMWP) implementation measures	Monitor and check	On-going
Dolphin Exclusion Zone (DEZ) Plan implementation measures	Monitor and check	On-going
SkyPier High Speed Ferries (HSF) implementation measures	Monitor and check	On-going
Construction and Associated Vessels implementation measures	Monitor and check	On-going
Complaint Hotline and Email channel	Construction phase	On-going
Environmental Log-book	Construction phase	On-going
Silt Curtain Deployment Plan implementation measures	Monitor and check	On-going
Spill Response Plan implementation measures	Monitor and check	On-going

Taking into account the construction works in the reporting period, impact monitoring of air quality, noise, water quality, waste management, landscape and visual, and CWD were carried out in the reporting period.

The EM&A programme also involved weekly site inspections and related auditing conducted by the ET for checking the implementation of the required environmental mitigation measures as recommended in the approved EIA Report. To promote the environmental awareness and enhance the environmental performance of the contractors, environmental briefings, environmental trainings, and regular environmental management meetings were conducted during the reporting period which are summarized as below:

- 21 skipper trainings provided by ET;
- 3 environmental briefings on EP and EM&A requirements of the 3RS provided by ET; and
- 206 environmental management meetings for EM&A review with works contracts.

The EM&A programme has been undertaken in accordance with the recommendations presented in the approved EIA Report and the Manual. Despite that, the implementation of the EM&A programme was slightly affected by various events in the reporting period. In view of the local COVID-19 pandemic situation, special work arrangement, such as working from home, was implemented among government departments in several periods to reduce the flow of people and social contacts in the community. There were confirmed case of COVID-19 among some of the contractors and sub-contractors under the Project in 2021[1]. Besides, inclement weather events including tropical cyclones, rainstorms, and thunderstorms have also affected the regular schedules for water quality monitoring and site inspections. A summary of implementation status of the environmental mitigation measures for the construction phase of the Project during the reporting period is provided in **Appendix C.**

[1]Details of the construction progress of the Project refer to the "Update on the Development of the Three-Runway System at Hong Kong International Airport (LC Paper No. CB(4)1696/20-21(01))" available on related website (https://www.thb.gov.hk/eng/legislative/transport/panel/air/20211027.pdf)

2 Environmental Monitoring and Auditing

2.1 Air Quality Monitoring

Impact 1-hour Total Suspended Particulates (TSP) monitoring was conducted three times every six days at two representative monitoring stations during the reporting period. The locations of monitoring stations are described in **Table 2.1** and presented in **Figure 2.1**.

2.1.1 Action and Limit Levels

The Action and Limit Levels of the air quality monitoring stipulated in the EM&A programme for triggering the relevant investigation and follow-up procedures under the programme are provided in **Table 2.1**.

Table 2.1: Impact Air Quality Monitoring Stations

Monitoring Station	Location	Action Level (μg/m^3)	Limit Level (μg/m^3)
AR1A	Man Tung Road Park	306	500
AR2	Village House at Tin Sum	298	

2.1.2 Monitoring Results

The graphical plots of impact air quality monitoring results during the reporting period are presented in **Appendix D**. Percentage of monitoring results within their corresponding Action and Limit Levels in the reporting period are presented in **Table 2.2**.

Table 2.2: Percentage of Air Quality Monitoring Results within Action and Limit Levels

	AR1A	AR2
Jan 2021	100%	100%
Feb 2021	100%	100%
Mar 2021	100%	100%
Apr 2021	100%	100%
May 2021	100%	100%
Jun 2021	100%	100%
Jul 2021	100%	100%
Aug 2021	100%	100%
Sep 2021	100%	100%
Oct 2021	100%	100%
Nov 2021	100%	100%
Dec 2021	100%	100%
Overall	100%	100%

Note:
The percentages are calculated by dividing the number of monitoring results within their corresponding Action and Limit Level by the total number of monitoring results.

All monitoring results at AR1A and AR2 were within their corresponding Action and Limit Levels.

General meteorological conditions throughout the impact monitoring period were recorded and summarized in **Table 2.3**.

Table 2.3: General Meteorological Condition during Impact Air Quality Monitoring

	Weather	Wind Direction
Jan – Mar 2021	Sunny to Cloudy	Northwest or Southwest
Apr – Jun 2021	Sunny to Cloudy	Southwest
Jul – Sep 2021	Sunny to Cloudy	Southwest
Oct – Dec 2021	Sunny to Overcast	Southwest or Northwest

2.1.3 Conclusion

No dust emission source was observed at the monitoring stations during the monitoring sessions. As the sensitive receivers were far away from the construction activities, with the implementation of dust control measures, there was no adverse impact at the sensitive receivers attributable to the works of the Project.

2.2 Noise Monitoring

Impact noise monitoring was conducted at four representative monitoring stations once per week during 0700 and 1900 in the reporting period. The locations of monitoring stations are described in **Table 2.4** and presented in **Figure 2.1**.

2.2.1 Action and Limit Levels

The Action and Limit levels of the noise monitoring stipulated in the EM&A programme for triggering the relevant investigation and follow-up procedures under the programme are provided in **Table 2.4**.

Table 2.4: Impact Noise Monitoring Stations

Monitoring Station	Location	Action Level	Limit Level
NM1A	Man Tung Road Park	When one documented complaint is received from any one of the sensitive receivers	75 dB(A)
NM4	Ching Chung Hau Po Woon Primary School		65dB(A) / 70 dB(A) [(i)]
NM5	Village House in Tin Sum		75 dB(A)
NM6	House No. 1, Sha Lo Wan		75 dB(A)

Note:

[(i)] The Limit Level for NM4 is reduced to 70dB(A) for being an educational institution. During school examination period, the Limit Level is further reduced to 65dB(A).

2.2.2 Monitoring Results

The graphical plots of impact noise quality monitoring results during the reporting period are presented in **Appendix D**. Percentage of monitoring results within their corresponding Action and Limit Levels in the reporting period are presented in **Table 2.5**.

Table 2.5: Percentage of Noise Monitoring Results within Action and Limit Levels

	NM1A	NM4	NM5	NM6
Jan 2021	100%	100%	100%	100%
Feb 2021	100%	100%	100%	100%
Mar 2021	100%	100%	100%	100%
Apr 2021	100%	100%	100%	100%
May 2021	75%	100%	100%	100%
Jun 2021	100%	100%	100%	100%
Jul 2021	100%	100%	100%	100%
Aug 2021	100%	100%	100%	100%

	NM1A	NM4	NM5	NM6
Sep 2021	100%	100%	100%	100%
Oct 2021	100%	100%	100%	100%
Nov 2021	100%	100%	100%	100%
Dec 2021	100%	100%	100%	100%
Overall	98.1%	100%	100%	100%

Note: The percentages are calculated by dividing the number of monitoring results within their corresponding Action and Limit Level by the total number of monitoring results.

No complaints were received from any sensitive receiver that triggered the Action Level.

One of the monitoring results triggered the corresponding Limit Level at NM1A on 28 May 2021. Actions were taken accordingly based on the established Event and Action Plan as presented in the Manual. Details of the investigation findings are presented in Construction Phase Monthly EM&A Report No. 65, which concluded that the case was not related to the Project.

General weather conditions throughout the impact monitoring period were recorded and summarized in **Table 2.6**.

Table 2.6: General Weather Condition during Impact Noise Monitoring

	Weather
Jan – Mar 2021	Sunny to Cloudy
Apr – Jun 2021	Sunny to Cloudy
Jul – Sep 2021	Sunny to Cloudy
Oct – Dec 2021	Sunny to Drizzle

2.2.3 Conclusion

Major sources of noise dominating the monitoring stations observed during the construction noise impact monitoring were road traffic noise near NM1A, school activities at NM4, and aircraft noise near NM5 and NM6 during the reporting period. As the sensitive receivers were far away from the construction activities, with the implementation of noise control measures, there was no adverse impact at the sensitive receivers attributable to the works of the Project.

2.3 Water Quality Monitoring

Impact water quality monitoring of the Project commenced on 4 Aug 2016. During the reporting period, water quality monitoring was conducted three days per week, at mid-ebb and mid-flood tides, at 23 water quality monitoring stations, comprising 12 impact (IM) stations, 8 sensitive receiver (SR) stations, and 3 control (C) stations in the vicinity of the water quality sensitive receivers around the existing airport island in accordance with the Manual. The purpose of water quality monitoring at the IM stations is to promptly capture any potential water quality impacts from the Project before the impacts could become apparent at sensitive receivers (represented by the SR stations). **Table 2.7** describes the details of the monitoring stations. **Figure 2.2** shows the locations of the monitoring stations.

In view of the completion of marine-based DCM works from Contracts 3201, 3202, 3203, 3204, 3205 and 3206, regular DCM monitoring was ceased since 14 January 2021. However, due to a resumption of marine-based DCM works for Contract 3206, the regular DCM monitoring was resumed at all monitoring stations starting from 2 February 2021. As of May 2021, the aforementioned marine-based DCM works were completed, hence the regular DCM monitoring was ceased again at all monitoring stations starting from 24 June 2021 and would be resumed if there are marine-based DCM works in the coming future.

Table 2.7: Monitoring Locations and Parameters for Impact Water Quality Monitoring

Monitoring Stations	Description	Coordinates		Parameters
		Easting	Northing	
C1	Control Station	804247	815620	General Parameters: DO, pH, Temperature, Salinity, Turbidity, SS DCM Parameters Total Alkalinity, Heavy Metals (2)
C2	Control Station	806945	825682	
C3(3)	Control Station	817803	822109	
IM1	Impact Station	807132	817949	
IM2	Impact Station	806166	818163	
IM3	Impact Station	805594	818784	
IM4	Impact Station	804607	819725	
IM5	Impact Station	804867	820735	
IM6	Impact Station	805828	821060	
IM7	Impact Station	806835	821349	
IM8	Impact Station	808140	821830	
IM9	Impact Station	808811	822094	
IM10	Impact Station	809794	822385	
IM11	Impact Station	811460	822057	
IM12	Impact Station	812046	821459	
SR1A(1)	Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities (HKBCF) Seawater Intake for cooling	812660	819977	General Parameters DO, pH, Temperature, Salinity, Turbidity, SS
SR2 (3)	Marine park / hard corals at The Brothers / Tai Mo To	814166	821463	General Parameters DO, pH, Temperature, Salinity, Turbidity, SS DCM Parameters Total Alkalinity, Heavy Metals (2)(4)
SR3	Sha Chau and Lung Kwu Chau Marine Park / fishing and spawning grounds in North Lantau	807571	822147	General Parameters DO, pH, Temperature, Salinity, Turbidity, SS
SR4A	Sha Lo Wan	807810	817189	
SR5A	San Tau Beach SSSI	810696	816593	
SR6A(5)	Tai Ho Bay, Near Tai Ho Stream SSSI	814739	817963	
SR7	Ma Wan Fish Culture Zone (FCZ)	823742	823636	
SR8A(6)	Seawater Intake for cooling at Hong Kong International Airport (East)	811623	820390	

Notes:

(1) With the operation of HKBCF, water quality monitoring at SR1A station was commenced on 25 October 2018. To better reflect the water quality in the immediate vicinity of the intake, the monitoring location of SR1A has been shifted closer to the intake starting from 5 January 2019.

(2) Details of selection criteria for the two heavy metals for early regular and regular DCM monitoring refer to the Detailed Plan on Deep Cement Mixing available on the dedicated 3RS website (http://env.threerunwaysystem.com/en/ep-submissions.html). DCM specific water quality monitoring parameters (total alkalinity and heavy metals) were only conducted at C1 to C3, SR2, and IM1 to IM12.

(3) According to the baseline water quality monitoring report, C3 station is not adequately representative as a control station of IM / SR stations during the flood tide. The control reference has been changed from C3 to SR2 from 1 September 2016 onwards.

(4) Total alkalinity and heavy metals (i.e. Nickel and Chromium) results are collected at SR2 as a control station for regular DCM monitoring.

(5) As the access to SR6 was obstructed by the construction activities and temporary structures for Tung Chung New Town Extension, the monitoring location was relocated to SR6A starting from 8 August 2019.

(6) The monitoring station for SR8 is subject to future changes due to silt curtain arrangements and the progressive relocation of this seawater intake.

2.3.1 Action and Limit Levels

The Action and Limit Levels for general water quality monitoring and regular DCM monitoring stipulated in the EM&A programme for triggering the relevant investigation and follow-up procedures under the programme are presented in **Table 2.8**. The control and impact stations during flood tide and ebb tide for general water quality monitoring and regular DCM monitoring are presented in **Table 2.9**. The weather and sea conditions during the reporting period are recorded and summarized in **Table 2.10**.

Table 2.8: Action and Limit Levels for General Water Quality Monitoring and Regular DCM Monitoring

Parameters		Action Level (AL)		Limit Level (LL)	
Action and Limit Levels for general water quality monitoring and regular DCM monitoring (excluding SR1A & SR8)					
General Water Quality Monitoring	DO in mg/l (Surface, Middle & Bottom)	Surface and Middle 4.5 mg/l		Surface and Middle 4.1 mg/l 5 mg/l for Fish Culture Zone (SR7) only	
		Bottom 3.4 mg/l		Bottom 2.7 mg/l	
	Suspended Solids (SS) in mg/l	23	or 120% of upstream control station at the same tide of the same day, whichever is higher	37	or 130% of upstream control station at the same tide of the same day, whichever is higher
	Turbidity in NTU	22.6		36.1	
Regular DCM Monitoring(6)	Total Alkalinity in ppm	95		99	
	Representative Heavy Metals for regular DCM monitoring (Chromium)	0.2		0.2	
	Representative Heavy Metals for regular DCM monitoring (Nickel)	3.2		3.6	
Action and Limit Levels SR1A					
SS (mg/l)		33		42	
Action and Limit Levels SR8					
SS (mg/l)		52		60	

Notes:

1. For DO measurement, Action or Limit Level is triggered when the monitoring result is lower than the limits.
2. For parameters other than DO, Action or Limit Level of water quality results is triggered when monitoring results is higher than the limits.
3. Depth-averaged results are used unless specified otherwise.
4. Details of selection criteria for the two heavy metals (i.e. Nickel and Chromium) for early regular and regular DCM monitoring refer to the Detailed Plan on Deep Cement Mixing available on the dedicated 3RS website http://env.threerunwaysystem.com/en/ep-submissions.html)
5. The Action and Limit Levels for the two representative heavy metals chosen will be the same as that for the intensive DCM monitoring.
6. In view of the construction programme for marine-based DCM works, regular DCM monitoring was ceased since 14 January 2021 and resumed at all monitoring stations starting from 2 February 2021. The regular DCM monitoring was ceased again at all monitoring stations starting from 24 June 2021 and would be resumed if there are marine-based DCM works in the coming future.

Table 2.9: The Control and Impact Stations during Flood Tide and Ebb Tide for General Water Quality Monitoring and Regular DCM Monitoring

Control Station	Impact Stations
Flood Tide	
C1	IM1, IM2, IM3, IM4, IM5, IM6, IM7, IM8, SR3
SR2 (1)	IM7, IM8, IM9, IM10, IM11, IM12, SR1A, SR3, SR4A, SR5A, SR6A, SR8
Ebb Tide	
C1	SR4A, SR5A, SR6A
C2	IM1, IM2, IM3, IM4, IM5, IM6, IM7, IM8, IM9, IM10, IM11, IM12, SR1A, SR2, SR3, SR7, SR8

Note (1): As per findings of Baseline Water Quality Report, the control reference has been changed from C3 to SR2 from 1 September 2016 onwards.

Table 2.10: General Weather Condition and Sea Condition during Impact Water Quality Monitoring

	Weather	Sea Condition
Jan – Mar 2021	Sunny to Rainy	Calm to Rough
Apr – Jun 2021	Sunny to Rainy	Calm to Rough
Jul – Sep 2021	Sunny to Rainy	Calm to Rough
Oct – Dec 2021	Sunny to Cloudy	Calm to Rough

2.3.2 Monitoring Results

Percentage of monitoring results within their corresponding Action and Limit Levels in the reporting period are presented in **Table 2.11**. It should be noted that Hong Kong was under the effect of tropical cyclones from 19 to 20 July, 3 to 4 August, 8 to 10 October, and 12 to 14 October 2021 respectively, and the water quality monitoring results during the said periods might be affected by the inclement weather.

Table 2.11: Percentage of Water Quality Monitoring Results within Action and Limit Levels

	General Water Quality Monitoring				Regular DCM Monitoring		
	DO (Surface and Middle)	DO (Bottom)	SS	Turbidity	Alkalinity	Chromium	Nickel
Jan 2021	100%	100%	100%	100%	100%	99.2%	100%
Feb 2021	100%	100%	100%	100%	100%	100%	100%
Mar 2021	100%	100%	100%	100%	100%	100%	100%
Apr 2021	100%	100%	100%	100%	100%	100%	100%
May 2021	100%	100%	99.8%	100%	100%	100%	100%
Jun 2021	86.2%	98.9%	100%	100%	100%	100%	100%
Jul 2021	100%	100%	99.4%	100%	-	-	-
Aug 2021	95.2%	94.5%	100%	100%	-	-	-
Sep 2021	97.4%	100%	99.6%	100%	-	-	-
Oct 2021	100%	100%	98.5%	100%	-	-	-
Nov 2021	100%	100%	99.8%	100%	-	-	-
Dec 2021	100%	100%	99.8%	100%	-	-	-
Overall	98.2%	99.5%	99.8%	100%	100%	99.94%	100%

Note: The percentages are calculated by dividing the number of depth-averaged results within their corresponding Action and Limit Level by the total number of depth-averaged results.

The monitoring results for turbidity, total alkalinity and nickel obtained in the reporting period were within their corresponding Action and Limit Levels.

For DO, SS and chromium, some of the testing results triggered the corresponding Action or Limit Levels in the reporting period. Investigations were conducted accordingly and the details were presented in the corresponding Construction Phase Monthly EM&A Reports. The status of each water quality parameter collected in the reporting period are presented graphically in **Appendix D**. Some of these cases were recorded at monitoring stations located upstream of the Project based on dominant tidal flow and were considered not affected by the Project. Based on respective investigation findings, cases triggering Action or Limit Level were found not related to the Project.

2.3.3 Conclusions

During the reporting period, it was noted that the vast majority of monitoring results (from 98.2% for DO (Surface and Middle) to 100% for turbidity, total alkalinity and nickel as presented in **Table 2.11**) were within their corresponding Action and Limit Levels, while only a minor number of results triggered their corresponding Action or Limit Level, and investigations were conducted. Based on the findings of the investigations presented in the Construction Phase Monthly EM&A Reports for 2021, all results that triggered the corresponding Action or Limit Level were not related to the Project. Therefore, the Project did not cause adverse impact at the water quality sensitive receivers. All required actions under the Event and Action Plan were followed. These cases were considered to be due to natural fluctuation or other sources not related to the Project.

Nevertheless, the non-project related triggers have been attended to and have initiated corresponding actions and measures. As part of the EM&A programme, the construction methods and mitigation measures for water quality will continue to be monitored and opportunities for further enhancement will continue to be explored and implemented where possible, to strive for better protection of water quality and the marine environment.

In the meantime, the contractors were reminded to implement and maintain all mitigation measures during weekly site inspection and regular environmental management meetings. These include maintaining mitigation measures properly for reclamation works including DCM works, marine filling, seawall construction, and bored piling for approach lights as recommended in the Manual.

2.4 Waste Monitoring

In accordance with the Manual, the waste generated from construction activities was audited once per week to determine if waste was being managed in accordance with the Waste Management Plan (WMP) prepared for the Project, contract-specific WMP, and any statutory and contractual requirements. All aspects of waste management including waste generation, storage, transportation, and disposal were reviewed during the audits.

2.4.1 Action and Limit Levels

The Action and Limit Levels of the construction waste are provided in **Table 2.12**.

Table 2.12: Action and Limit Levels for Construction Waste

Monitoring Stations	Action Level	Limit Level
Construction Area	When one valid documented complaint is received	Non-compliance of the WMP, contract-specific WMPs, any statutory and contractual requirements

2.4.2 Summary of Monitoring Results

Weekly monitoring on all works contracts were carried out by the ET in the reporting period to check and monitor the implementation of proper waste management practices.

Recommendations made included provision and maintenance of proper chemical waste storage area, as well as proper handling, segregation, and regular disposal of general refuse. Paper, plastics, and metals were recycled in the reporting period. The contractors implemented the recommended measures to improve waste management issues. Waste management audits were carried out by ET according to the requirement of the WMP, the Manual, and the implementation schedule of the waste management mitigation measures in **Appendix B**.

The construction waste generated in the reporting period is summarized in **Table 2.13**.

Table 2.13: Statistics of Construction Waste Generated in the Reporting Period

	C&D Material Stockpiled for Reuse or Recycle[(1)] (m^3)	C&D Material Reused in the Project (m^3)	C&D Material Reused in other Projects (m^3)	C&D Material Transferred to Public Fill (m^3)	Chemical Waste (kg)	Chemical Waste (L)	General Refuse (tonne)
Jan 2021	10,198	49,932	0	5,780	0	2,800	1,696
Feb 2021	17,660	34,759	0	3,083	0	600	1,209
Mar 2021	13,487	60,721	0	7,984	1,400	51,740	1,838
Apr 2021	29,633	57,644	1,766	4,140	0	0	1,194
May 2021	18,053	45,070	1,444	10,377	0	2,800	1,076
Jun 2021	17,809	106,196	0	5,169	120	800	1,235
Jul 2021	28,937	130,888	381	4,514	0	0	1,582
Aug 2021	17,930	94,765	464	4,059	0	1,200	2,064
Sep 2021	13,736	72,778	294	4,178	0	0	1,986
Oct 2021	8,018	20,471	24,211	3,896	30	3,400	1,744
Nov 2021	16,540	6,051	7,039	5,493	0	1,400	2,631
Dec 2021	4,842	15,538	1,251	10,204	600	2,742	2,764
Total	196,843	694,813	36,850	68,877	2,150	67,482	21,017

Notes:

1. The excavated materials were temporarily stored at stockpiling area and will be reused in the Project.
2. C&D refers to Construction and Demolition.
3. Figures are rounded off to the nearest tonne.

There were no complaints, non-compliance of the WMP, contract-specific WMPs, statutory and contractual requirements that triggered Action and Limit Levels in the reporting period.

The Project reused numerous inert C&D materials from Government's Public Fill Banks (i.e., Tuen Mun Area 38 and Tseung Kwan O Area 137) for land formation work and considered as a good practice for the maximisation of the intake of suitable public fill materials from Government's Public Fill Banks for the Project. Furthermore, referring to Section 3.1.3 of the WMP, surcharge operation is no longer involved in the Project and thus no surplus surcharge materials from surcharge operation would be generated. Therefore, the total quantity of C&D materials which required off-site delivery to Government's Public Fill Reception Facilities would be highly reduced during the construction phase of the Project.

2.4.3 Marine Sediment Management

Marine sediment was managed according to the EIA Report, Updated EM&A Manual and WMP and the proposal of Further Development on Treatment Level / Details and the Reuse Mode for

Marine Sediment (hereinafter referred to as “Further Development Proposal”) of the Project. Based on EIA requirements, marine sediments would be treated using cement mixing and stabilisation/solidification method. All these treated sediments would be reused on-site as backfilling materials. The sampling process, storage conditions of the excavated marine sediment, treatment process, final backfilling location as well as associated records were inspected and checked by ET and verified by IEC to ensure they were in compliance with the requirements as stipulated in the WMP and Further Development Proposal.

2.4.3.1 Reclaimed Land Area with Ground Improvement Works by Deep Cement Mixing

With reference to the Further Development Proposal approved on 17 January 2020, the marine sediment generated from the areas with ground improvement works of the 3RS Project was treated in-situ with cement by DCM, and the excavated materials would be reused on-site without disposal to sea, it was considered more appropriate to have the excavated materials tested against Risk Based Remediation Goals (RBRGs). Therefore, as an alternative to the testing arrangement presented in the 3RS EIA Report, the assessment approach provided in the EPD’s Practice Guide for Investigation and Remediation of Contaminated Land (hereafter referred to as “Practice Guide”) was adopted and the quality of excavated marine sediment was assessed against the most stringent RBRG limits (for Rural Residential Land Use) for eight heavy metals including Arsenic, Cadmium, Chromium, Lead, Mercury, Nickel, Zinc and Copper.

If the testing results were below the RBRGs limits, no further environmental treatment would be required for the marine sediment materials excavated from the sampling grid. However, geotechnical treatment might require for marine sediment to improve the quality as backfilling materials. If there was RBRGs exceedance in a particular heavy metal at a certain sampling depth, subsequently during work stage, excavated sediment material from such sampling depth of the concerned sampling grid which was treated with cement by DCM, depending on conditions, would be underwent further cement stabilization, before testing against the concerned heavy metal (metal parameter exceeded RBRGs) for Toxicity Characteristics Leaching Procedure (TCLP) with limits as provided in **Table 2.14** (Table 4.6 of the Practice Guide) before reuse. Only excavated sediment materials from such sampling depth with exceedance of RBRGs were handled and tested against the concerned heavy metal for TCLP and Unconfined Compressive Strength (UCS) within the concerned sampling grid. The UCS was defined based on respective engineering requirements. The testing frequency for TCLP was the same as that described in Section 10.5.1.14 of the approved EIA Report, i.e. one sample per 50 m^3 for the first 1,000 m^3 batch of excavated sediment materials. Provided that the samples meet the TCLP limit(s), the subsequent testing frequency would be reduced to be at least two samples per 10,000 m^3 batch. In the event that the required level was not achieved, the concerned whole batch should be crushed and the material would be further handled and treated as necessary. The testing frequency should be revised to one sample per 50 m^3 batch (with two further samples kept for contingency) and treated samples should be taken for laboratory testing. Once the concerned heavy metal complied with the particular TCLP limit, the previous sampling frequency of at least two samples per 10,000 m^3 batch should be resumed.

Table 2.14: Universal Treatment Standards for On-site Reuse of Sediment Treated by Cement Mixing and Stabilization

Parameters[1][2]	TCLP Limit (mg/L)
Arsenic	5
Cadmium	0.11
Total Chromium	0.6
Lead	0.75
Mercury	0.025
Nickel	11
Zinc	4.3

Notes:

1. Universal Treatment Standard – US 40 CFR 268.48
2. For copper, it must be reduced by at least 90% in mobility for copper through cement stabilization/solidification remedial treatment. The reduction of mobility of copper (leachable metals contaminant) should be confirmed through TCLP tests (i.e. to carry out TCLP test for the untreated sediment and for the sediment after treatment and to compare the concentrations of copper in the leachates).

A sampling grid size of 100 m x 100 m was adopted for locating sampling points for areas where marine sediment to be excavated from the newly reclaimed area. One marine sediment sample was taken if the depth of marine sediment to be excavated was less than or equalled to 3 m. If the depth of marine sediment to be excavated was less than or equalled to 6 m, a sample was taken from the depth of 0 - 3 m, and 3 - 6 m. If the marine sediment to be excavated was more than 6 m, a sample was taken from three different depths including one in the depth of 0 - 3 m, 3 - 6 m, and 6 m to the bottom of the marine sediment to be excavated. All above testing should be carried out by HOKLAS laboratory, and the results were checked by ET and IEC.

The tentative location of sampling grids where marine sediment is to be excavated from the newly reclaimed area land was presented in Appendix A of the Further Development Proposal. After the excavated details were available from the contractors, the sampling grids were further adjusted as presented in **Figure 2.3**. The sampling grids covered all the potential areas where marine sediment would be excavated from the newly reclaimed land. The sampling grid for each area is denoted by specific colour, the sampling grids with light green and light red shaded represent all sampling layer(s) passed RBRGs limit(s) and sampling layer(s) with parameter(s) exceeding RBRGs limit(s), respectively. Details of sampling ID and sampling depths are presented in each sampling grid. The number of grids for sampling for each area, the number of grids with pass and fail of the RBRGs results, the number of grids with marine sediment not encountered within the final excavation level and the number of grids to be sampled in future reporting period are both summarised in **Table 2.15**.

Table 2.15: Summary of Maine Sediment Testing Result for the Reclaimed Land Area with Ground Improvement

Sampling Area	Western Vehicular Tunnel	Eastern Vehicular Tunnel	Airport North Fire Station[1]	Terminal 2 Concourse[2]	APM/BHS Tunnel and Ancillary Building with Piled Foundation
Grid Sampling and Testing					
No. of Grids for Sampling	15	11	1	36	33
No. of Grids with “Pass” RBRGs Results	15	7	1	34	29
No. of Grids with “Fail” RBRGs Results	0	1	0	2	3
No. of Grids with marine sediment not encountered within the final excavation level	0	2	0	0	1

Sampling Area	Western Vehicular Tunnel	Eastern Vehicular Tunnel	Airport North Fire Station[1]	Terminal 2 Concourse[2]	APM/BHS Tunnel and Ancillary Building with Piled Foundation
No. of Grids to be sampled in future reporting period	0	1	0	14[3]	0

Note:

[1] Formerly known as West Fire Station.

[2] Formerly known as Third Runway Concourse.

[3] There are sampling requirements for the western portion of the T2C which is subject to the future development programme of this area.

There were some of the excavated marine sediment materials with RBRG exceedances and further cement stabilisation for the excavated marine sediment materials was underway during the reporting period. The TCLP testing results and backfilling locations for the excavated marine sediments materials with further cement stabilisation would be reported in next annual EM&A Report.

2.4.3.1.1 Western Vehicular Tunnel and Airport North Fire Station

The Western Vehicular Tunnel (WVT) and Airport North Fire Station are covered by contract 3303. There are a total of 16 numbers of sampling grid and no exceedances of RBRGs were recorded. The zoom in figures for the presentation of grid areas of WVT and Airport North Fire Station are shown in **Figure 2.3a** and **Figure 2.3b**, respectively. The summary of sampling results is shown in **Appendix E**.

2.4.3.1.2 Eastern Vehicular Tunnel and Terminal 2 Concourse

The Eastern Vehicular Tunnel (EVT) and T2C are covered by contract 3405, 3310 and 3408. There are a total of 47 numbers of sampling grid for EVT and T2C at this stage and 3 sampling grids with Arsenic exceeding RBRGs limit were recorded. No sampling works were undertaken at 2 sampling grids where the marine sediment was not encountered within the final excavation level. 1 sampling grid for EVT is subject to be sampled in future reporting period. The marine sediment sampling works to the western portion of T2C have not been undertaken and are subject to future development programme at this area. The zoom in figure for the presentation of grid areas of EVT and T2C is shown in **Figure 2.3c**. The summary of sampling results is shown in **Appendix E**.

2.4.3.1.3 APM / BHS Tunnel and Ancillary Building with Piled Foundations

The APM / BHS Tunnel and Ancillary Building with Piled Foundations is covered by contract 3802. There were 33 numbers of sampling grid and 3 sampling layers with Arsenic exceeding RBRGs limits were recorded. There were no sampling works at 1 sampling grid where the marine sediment was not encountered within the final excavation level. The zoom in figure for the presentation of grid area of APM / BHS Tunnel and Ancillary Building with Piled Foundations is shown in **Figure 2.3d**. The summary of sampling results is shown in **Appendix E**.

2.4.3.2 Areas without Ground Improvement Works by Deep Cement Mixing

For the marine sediment to be generated from the areas without ground improvement works by DCM (i.e., existing airport island area, construction berth at Area C5 of the reclaimed land area and approach light area), the excavated marine sediment was treated with cement and tested against the TCLP limits as provided in **Table 2.14**. The testing frequency was the same as that described in Section 10.5.1.14 of the approved EIA Report, which has been provided in Section 2.4.3.1. The treated sediment was tested against relevant engineering requirements to confirm their suitability as backfilling material for respective areas of different future uses. The UCS was also tested and defined based on respective engineering requirements.

2.4.3.2.1 Construction Berth at Area C5 of the Reclaimed Land Area

A construction berth was constructed at the eastern portion of newly reclamation area. During the installation of casing, approximately 99m^3 of marine sediment was generated and treated with cement stabilisation. The treated sediment were then tested against the TCLP limits as given in

Table 2.14 and no exceedance of TCLP limits was recorded. The location of marine sediment generated and the backfilling location of treated marine sediment are shown in **Figure 2.4**.

2.4.3.2.2 T2 Foundation and Substructure Works

The excavated volume of marine sediment was about 60m^3 and treated with cement stabilisation. Two treated marine sediment samples were collected and tested against the criteria for reuse of treated sediments with reference to the UTS, which specify the TCLP test limits as given in **Table 2.14** and no exceedance of RBRGs was recorded. The location of generated marine sediment and the backfilling location of treated marine sediment are both shown in **Figure 2.4**.

2.4.3.2.3 Approach Light Area

Marine sediment would be generated from the construction of the approach light at the east and west of the new third runway as shown in **Figure 2.4**. For the marine sediment generated from this area, the sampling works, the treatment works, TCLP testing works and backfilling of the treated marine sediment were completed and finalised in early 2022. Therefore, all the relevant treatment details would be reported in the next annual EM&A report.

2.5 Chinese White Dolphin

According to Sections 10.2.1.2 and 10.2.1.3 of the EM&A Manual, CWD monitoring is required during the baseline, construction, post-construction and operation phases of the project. The aims of CWD monitoring during construction period are:

- to monitor the effects on the potential shift in the CWD travelling areas and habitat use;
- to monitor the effectiveness of the HSF speed and routing restrictions to the CWDs;
- to provide a dataset that can be compatible with the AFCD long-term monitoring, be stratified in such a way as to allow the calculation of density and abundance for the different phases and to calculate the trends from these estimates; and
- to provide assessment of how the project and cumulative effects may be impacting the CWDs.

This section summarises the results of the CWD construction phase monitoring effort over a 12-month period from January 2021 through December 2021, to gather information on the spatial and temporal distribution patterns as well as calculate density and abundance of CWD in western Hong Kong waters. Supplementary information collected focusing on northwestern Lantau waters, including habitat use and behaviours of CWD during the construction phase of the Project, has also been reviewed.

This reporting period is effectively the fifth full year of construction phase monitoring of CWDs. The overall monitoring programme commenced in August 2016, although there were no marine construction works in August and September 2016, and only localised sand blanket laying and DCM trial works from October to December 2016. This annual report reviews the construction phase monitoring data for 2021 and compares it with the construction phase monitoring data for the previous years.

CWD monitoring was conducted by undertaking vessel line-transect surveys, supplemented by land-based theodolite tracking survey and Passive Acoustic Monitoring (PAM). The vessel line transects covered Northeast Lantau (NEL), Northwest Lantau (NWL), Airport West (AW), West Lantau (WL) and Southwest Lantau (SWL) areas at a frequency of two full surveys per month as proposed in Section 10.2.3.2 of the Updated EM&A Manual, which are consistent with the AFCD long-term monitoring programme (except AW). The locations of the CWD vessel survey transects are shown in **Figure 2.5**. Additional survey effort was collected on a voluntary basis at the same frequency of two surveys per month from Deep Bay (DB) (refer to **Appendix F** for the location of this additional survey), which is an area that historically had CWD in the outer bay, to establish a

full understanding of CWD abundance. All the DB data were considered supplemental and were only used for density and abundance estimation.

Density and abundance analysis made use of both conventional distance sampling (CDS) and a more sophisticated approach – multiple covariate distance sampling (MCDS) to estimate CWD abundance for the waters of Hong Kong. The additional analysis using MCDS is more time-consuming and labour-intensive than CDS as it uses information on environmental factors that are likely to affect detection probability (such as variables describing sighting conditions) and generally produces estimates with higher precision (i.e., lower variances and CVs) (Marques and Buckland, 2003 & 2004). However, datasets with small sample sizes (such as often occur in marine mammal studies) can make it difficult or impossible to achieve model "convergence" in some MCDS analyses, and thus it is critical to always start each analysis with CDS methods (this also helps to determine the appropriate truncation distance and overall modelling approach).

Based on the vessel survey data, seasonal differences in dolphin density and use of the study area were examined, using the solar seasons (Winter: December-February, Spring: March-May, Summer: June-August, Autumn: September-November) and/or oceanographic seasons (Dry: October-March, Wet: April-September).

The travelling pattern in different areas were reviewed by using photo-identification of individual dolphins and their re-sighting locations, depicting the range use and cross-area movement of re-sighted individuals, where practicable. Travelling of CWDs in the north of Lung Kwu Chau were particularly supplemented with information from land-based theodolite tracking survey findings.

For the land-based theodolite tracking surveys, the monitoring frequency during the construction phase for marine works was one day per month at both the Lung Kwu Chau (LKC) station and Sha Chau (SC) station, as stipulated in Section 10.2.3.4 of the EM&A Manual. PAM was also deployed for the construction phase with data supplementing the results of both vessel and land-based surveys. For details on CWD monitoring and data analysis methodologies refer to Section 10.2.4 of the EM&A Manual. The locations of land-based survey stations are described in **Table 2.16** and depicted in **Figure 2.6**. The location of the Passive Acoustic Monitoring device at A5 (with the coordinates of 22° 20.299' N, 113° 53.871' E) is shown in **Figure 2.7**.

Table 2.16: Land-based Survey Station Details

Stations	Location	Geographical Coordinates	Station Height (m)	Approximate Distance (km)	Tracking
D	Sha Chau (SC)	22° 20' 43.5" N 113° 53' 24.66" E	45.66	2	
E	Lung Kwu Chau (LKC)	22° 22' 44.83" N 113° 53' 0.2" E	70.40	3	

2.5.1 Action and Limit Levels

The Action Level and Limit Level for CWD monitoring were formulated by an action response approach using the running quarterly dolphin encounter rates (Encounter Rate by Number of Dolphin Sightings 'STG' and Encounter Rate by Number of Dolphins 'ANI') derived from baseline monitoring data covering six months from mid-December 2015 to June 2016, as presented in the CWD Baseline Monitoring Report. The derived values of Action and Limit Levels for CWD monitoring are shown in **Table 2.17**. Running quarterly encounter rates STG and ANI have been determined for each month since August 2016 to compare with the derived Action/limit levels for construction phase monitoring of CWD. If persisting declines in the CWD running quarterly encounter rate values are determined month on month, an appropriate short-term response is then possible if the decline is shown to be related to 3RS construction activity.

Table 2.17: Derived Values of Action Level and Limit Level for Chinese White Dolphin Monitoring

	NEL, NWL, AW, WL and SWL as a Whole
Action Level(1)	Running quarterly STG < 1.86 & ANI < 9.35
Limit Level(1)	Two consecutive running quarterly (3-month) STG < 1.86 & ANI < 9.35

Notes: (1) Action Level and/or Limit Level will be triggered if both STG and ANI fall below the criteria

2.5.2 Summary of Monitoring Results

2.5.2.1 Summary of Vessel Line-transect Survey Monitoring Results

2.5.2.1.1 Survey Effort

During the reporting period from January 2021 through December 2021, surveys were completed in Northeast Lantau (NEL), Northwest Lantau (NWL), Airport West (AW), West Lantau (WL), and Southwest Lantau (SWL) survey areas. Although the frequencies of visiting each survey area per survey month were identical, the survey effort of different areas varied and was generally in proportion to the size of each survey area (i.e. larger survey area having longer distance of survey effort). A total of around 5,368.2 km survey effort was collected in this reporting period.

Around 87.2% (around 4,681.5 km) of the survey effort was collected under favourable weather condition (i.e. Beaufort 0-3 and visibility of approximately 1200 m or beyond), and can be utilized in analyses of encounter rates, density and abundance.

The breakdown of the survey effort by survey areas is tabulated in Table 1 of **Appendix F**. A detailed record of the survey effort data is also provided in **Appendix F**.

2.5.2.1.2 Sighting Distribution

During the reporting period, a total of 151 groups consisting of 493 CWDs were sighted in NWL, WL and SWL survey areas. Amongst these 151 groups of CWDs, 147 groups with 486 CWDs were sighted during on-effort surveys under favourable weather condition (Beaufort 0-3 and visibility of approximately 1200 m or beyond). Breakdown of the sightings by survey areas are tabulated in Table 2 of **Appendix F**.

In NWL (including AW transects), CWDs were mainly sighted within and around the SCLKCMP, particularly in northern and northeastern waters off Lung Kwu Chau. More sightings were recorded around the SCLKCMP compared to 2020 in which only a few sightings scattered around Lung Kwu Chau. Several sightings were also recorded at the west of the existing Hong Kong International Airport. No sighting was recorded within the 3RS temporary works area.

In WL, CWD sightings were recorded on almost all transects. The sightings were distributed quite evenly over the entire survey area between the Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road (HZMB-HKLR) and Fan Lau.

In SWL, sightings of CWD were mostly recorded in between waters off Shek Pik and Fan Lau, with relatively more sightings in the east side. Only two groups of CWD were spotted around the Soko Islands.

No CWDs were recorded in NEL survey area. The sighting locations of CWDs during this reporting period are depicted in Figure 1 of **Appendix F**.

2.5.2.1.3 Encounter Rates

Two types of dolphin encounter rates were calculated based on the data collected during the reporting period. They included the number of dolphin sightings per 100 kilometers survey effort (STG) and total number of dolphins per 100 kilometers survey effort (ANI). The dolphin encounter rates were calculated by using survey data collected under favorable weather condition only

(Beaufort sea state 3 or below with favorable visibility). Encounter rate provides a short to medium term frequency method for monitoring and responding appropriately to changes in CWD abundance as project works progress (referring to Section 10.5.2.3 of the EM&A Manual). The two types of encounter rates provide an overall indication of changes in CWD numbers over time in western Hong Kong waters.

During the reporting period, the overall combined STG and ANI of CWDs (from NEL, NWL, AW, WL and SWL) in 2021 were 3.14 and 10.38 respectively. Dolphin encounter rates by survey area and a summary of monthly encounter rates are presented in Table 3 and Table 4 of **Appendix F** respectively. Compared by area, WL had the highest encounter rates STG and ANI amongst the survey areas, followed by SWL and then NWL.

The temporal trends in 2021 overall exhibited typical seasonal patterns. The peak monthly STG and ANI occurred in July but exceptionally dropped to the lowest in August in the same season (summer). The trend is quite similar to that of last year (lowest in September) but again a bit different from earlier years, in which the lowest encounter rates were usually recorded in wintertime. The trends of both monthly STG and ANI are presented in Figure 2 and Figure 3 of **Appendix F**.

Running quarterly encounter rates STG and ANI data were determined for each month for comparison with the Action/Limit levels for construction phase monitoring of CWD. Although the running quarterly ANI has fallen below the Action Level in April, May, June, October and December 2021, the overall Action Level was not triggered in this reporting period because the running quarterly STG of those months remained above the Action Level. The Limit Level was not triggered during this reporting period as there were not any two consecutive running quarterly STG and ANI falling below the Action Level. The running quarterly STG and ANI from January to December 2021 are summarized in Table 4 of **Appendix F.** The graphical plots of running quarterly encounter rates of the current reporting year and the past reporting years are presented in Figure 2 and Figure 3 of **Appendix F** respectively.

2.5.2.1.4 Density and Abundance Estimation

Line transect analyses to estimate the density and abundance of CWDs in Hong Kong waters during the reporting period were conducted using the same basic methods as in previous analyses. The best estimate of abundance was obtained using Beaufort sea state as a co-variate, and a half-normal model with a cosine adjustment (effective strip width = 253 m). The detection function of 3RS CWD monitoring data of this reporting period is shown in Figure 4 of **Appendix F** and the various parameters of the 2021 estimates are shown in Table 5 of **Appendix F**. The overall abundance estimated for this reporting period (incorporating an entire year of data from all four seasons) was 34 CWDs (CV = 15.5%, indicating a good level of precision <20%). This shows a small, but notable increase from last year. For comparison, the 2020 abundance was 32 CWDs (CV = 12.8%). As in analyses of the last reporting year, the area with the highest abundance and highest density in 2021 was WL (N=21, this has been consistent over the AFCD long-term records). NWL showed a substantial increase in the numbers of dolphins (from 1 in 2020 to 4 in 2021), though SWL showed a drop (from 11 to 7). NEL registered an abundance of zero, which has been the case in most of the last 10 years. Overall, the number of dolphins was similar, though a bit up from last year. This may be indicative of the start of some recovery, after dolphins moved away from the works area in past years. The drop in numbers since about 2010 is thought to be partly related to the impacts from the construction of the Hong-Kong-Zhuhai-Macao Bridge (HZMB). The HZMB impacts on dolphins would be expected to have been most severe between 2013-2016 (when the brunt of construction was occurring), and in fact, this time period saw a significant drop in numbers of dolphins in Hong Kong (see Jefferson 2018). Though this will require further examination, the increase is consistent with what was predicted in the 3RS EIA.

It is worth noting, however, that the 3RS EIA predicted significant impacts on CWDs (Mott MacDonald 2014), and a drop in numbers of dolphins in the area during the most intensive part of the 3RS construction phase is thus expected. Reclamation filling works was substantially completed in 2021(1), so there is expected to be some recovery now that the main marine filling and reclamation works have been completed. However, this issue will need to be examined with more data over several years, and the cumulative impacts due to the 3RS project with other concurrent projects (reclamation works near Tung Chung in recent years, for instance) will become clearer as works progress, and as our dataset grows.

In addition to estimating year-round abundance for each of the survey areas, a seasonal analysis was also conducted (the pooled dataset from all survey areas was used, as stratifying by both survey area and season would reduce the sample sizes that result in estimates with unacceptably low levels of precision) (refer to Table 5 of **Appendix F**). The spring estimate was the lowest (N=31 dolphins), which has traditionally been the case for dolphin numbers in Hong Kong. The autumn estimate showed the highest numbers (N=43 dolphins), which is also expected based on historical records. The seasonal analysis shows that, as in the past, there was a marked influx of dolphins into Hong Kong during the wet season (especially in summer and autumn months).

2.5.2.1.5 Quantitative Grid Analysis on Habitat Use

Habitat use amongst the survey areas was examined by using quantitative grid analysis, both SPSE (no. of on-effort sightings per 100 units of survey effort) and DPSE (no. of dolphins per 100 units of survey effort) values for each 1 km^2 grid were calculated in all grids amongst all survey areas for the period from January 2021 to December 2021. SPSE and DPSE of the current reporting year and the previous reporting years are depicted in Figure 5 of **Appendix F**.

In 2021, CWDs' usage of waters around SCLKCMP in NWL increased slightly after a continuous decline in previous years between 2018 and 2020.

The important dolphin habitats in WL survey area in 2021 are largely similar to 2020 with slightly decreased use of waters around Peaked Hill and the relatively offshore waters between Peaked Hill and Fan Lau; grids with high SPSE and/or DPSE value(s) in WL were near Tai O, Yi O, Peaked Hill and Fan Lau.

In SWL, there was a continuous decline in CWDs' usage of waters around the Soko Islands since 2020 while the waters around Fan Lau remained used by CWDs frequently.

Cumulative SPSE and DPSE values were also calculated by using the 3RS CWD monitoring data since mid-December 2015 and are depicted in Figure 6 of **Appendix F**. Grids in western waters of Hong Kong with higher dolphin density are restricted to waters off West Lantau, at Tai O, Yi O, Peaked Hill and Fan Lau.

2.5.2.1.6 Group Size

During the reporting period from January 2021 to December 2021, group size of CWDs ranged from one to 13 dolphins, with an average of 3.26, taking into account all CWD sightings recorded. The average group sizes of NWL, WL and SWL were 3.58, 3.40 and 2.78 respectively. By four solar seasons, the average group size of CWDs was the highest in winter (3.76) but the lowest in spring (2.67). The summaries of the average group size of CWDs by survey area and by season are presented in Table 6 and Table 7 of **Appendix F**.

The number of small-sized (i.e. 1 to 2 dolphins per group) and medium-sized CWD groups (i.e. 3 to 9 dolphins per group) were the same, both accounted for around 48.3%. Five sightings, which accounted for 3.3% of all sightings, were large CWD groups with 10 or more dolphins per group.

Both small and medium CWD groups were generally sighted throughout the distribution range of dolphins in NWL, WL and SWL waters, except the observation that medium-sized group was absent from the southern part of NWL survey area. Large-sized CWD groups were recorded in

WL survey area and surprisingly encountered for three times in NWL survey area, where large sized CWD groups were absent for recent years. The sighting distribution of CWDs with different group sizes is illustrated in Figure 7 of **Appendix F**.

2.5.2.1.7 Activities and Association with Fishing Boats

Although vessel surveys do not provide the most unbiased information on the behaviour and activities of dolphins (due to the potentially disturbing presence of the vessel itself, and also the low vantage point of small vessels), nonetheless behaviour and activity data are still useful and are being collected from the vessel surveys.

During the reporting period, a total of 41, 20, 26 and 5 groups of CWDs were observed engaging in foraging, travelling, socialising and resting/milling activities, comprising of 27%, 13%, 17% and 3% of all CWD sightings respectively. The sighting locations of CWD groups engaged in different types of activities are depicted in Figure 8 of **Appendix F** while the percentages of different activities for each of the survey areas are shown in Table 8 of **Appendix F**.

In NWL, foraging activities occurred within and outside SCLKCMP, and also off the Lantau coast. Socialising activities were observed mainly around Lung Kwu Chau, with one sighting off Lantau. It is observed that travelling activities were only recorded around Lung Kwu Chau. A group of milling/resting dolphins was observed off northwest Lung Kwu Chau.

In WL, foraging and socialising activities of CWD mainly occurred in the waters off Tai O, between Yi O and Peaked Hill and at Fan Lau. Travelling activities were recorded throughout the WL survey area, while milling/resting activities were recorded only around Peaked Hill. In SWL, most of the sightings with observed activities were in foraging and these sightings were scattered.

A total of 13 sightings of CWDs were observed associating with operating fishing boats, including gill netters (four groups), purse seiners (eight groups) and shrimp trawler (one group), accounting for 9% of all sightings in 2021. CWDs' association with operating fishing boats in 2021 continued to show a rebound compared with the observable declining trend in previous years (7.2% in 2016, 6.3% in 2017, 3.7% in 2018, 2.4% in 2019, 3.6% in 2020).

Observations of CWD association with operating fishing boats were scattered in WL and SWL, with more observations recorded near Fan Lau and Fan Lau Tung Wan. There was no observation of CWD association with operating fishing boats in NWL, where Lung Kwu Chau was an area that used to be a favourite fishing ground in earlier years. Although a trawling ban was implemented in December 2012, illegal trawling activities were still observed near the western and southwestern borders of Hong Kong. One group of CWDs was observed foraging in association with shrimp trawlers near the Hong Kong border in WL. The sighting locations of CWD groups associated with operating fishing boats are depicted in Figure 9 of **Appendix F**.

2.5.2.1.8 Mother-calf / Mother-unspotted Juvenile Pairs

During the reporting period, a total of 32 sightings were observed having mother-and-unspotted calf (UC), mother-and-unspotted juvenile (UJ) and/or mother-and-mottled pairs, which accounted for about 21.2% of all sightings of 2021. The percentage was higher than that of 2020 (16.3%). For different survey areas, the percentages of sightings with mother-calf pairs in NWL, WL and SWL were 29.2%, 24.1% and 10.0% respectively. These percentages were calculated by dividing the number of sightings with mother-calf pairs of a survey area by the total number of sightings of that survey area. In 2021, an observable increase in number of sightings with mother-calf pairs in NWL (including AW) was encountered after the drastic drops from 2018 to 2020 (from one sighting in 2020 to seven sightings in 2021).

The abovementioned 32 sightings included one pair of mother-and-UC, 38 pairs of mother-and-UJ and three pairs of mother-and-mottled. According to the result of photo-identification, a total of nine mother-calf pairs were successfully identified from these 32 sightings.

Most of the sightings with mother-calf pairs were recorded in WL between Tai O and Peaked Hill. In NWL, sightings with mother-calf pairs were mostly recorded around SCLKCMP. In SWL, sightings with the presence of mother-calf pairs occurred in relatively offshore waters of Fan Lau and Fan Lau Tung Wan. The sighting distribution of mother-calf pairs is depicted in Figure 10 of **Appendix F**.

2.5.2.1.9 Photo Identification – Summary

During the reporting period, a total of 14 newly identified CWD individuals were added to the photo-identification catalogues, including seven animals added to NL catalogue and another seven added to WL catalogue. One animal, namely NLMM037 was confirmed to be a duplicate of identified individual (i.e. NLMM009) in earlier time. Therefore, all records under this duplicate were transferred to the records under NLMM009.

In 2021, a total of 112 CWD individuals were identified for altogether 327 times from all sightings. Amongst these 112 CWD individuals, 23, 63 and 26 belonged to NL, WL and SL catalogues respectively. There were 68 individuals (around 60.7%) that were sighted more than once. Twenty of these 68 re-sighted individuals were sighted five times or more.

The most frequently re-sighted animal in 2021 was SLMM037, which was sighted 15 times, followed by SLMM014 and SLMM003 (being re-sighted 13 times and 10 times respectively). The most frequently re-sighted animal since the establishment of the photo-identification catalogue is SLMM014 which has been sighted 55 times, followed by SLMM003 (sighted 48 times), SLMM010 (sighted 44 times), SLMM037 and WLMM001 (both sighted 41 times). There are few more animals including WLMM079, WLMM043, WLMM007, SLMM012, SLMM052, SLMM007 and WLMM027 that have been sighted 30 times or above.

Fifteen animals that were frequently using Hong Kong waters in previous years (with 10 or more re-sighting records since commencement of the monitoring in mid-December 2015) have disappeared from our sighting records in 2021 (note that these dolphins may still be using Hong Kong waters, but may have not been detected on our surveys). These animals are NLMM002, NLMM006, NLMM010, NLMM014, NLMM018, NLMM019, NLMM043, SLMM002, SLMM011, SLMM015, SLMM017, SLMM028, SLMM053, WLMM060 and WLMM078. Some of these individuals (i.e. NLMM002, NLMM006, NLMM010, NLMM018, SLMM015, SLMM017 and WLMM078) have not been seen in Hong Kong waters for two or even more years. We could not confirm if these animals were occurring elsewhere in mainland waters, or if some of them have already passed away. Information of the photo-identification work of CWDs taking place in mainland waters by South China Sea Fisheries Research Institute (SCSFRI) is not available for our further investigation of these animals. On the other hand, AFCD's stranding information on dolphin carcasses might not be able to provide useful information for our further investigation as many of the dolphin carcasses are seriously decomposed when they were found. Special attention will be paid on these animals in the future photo-identification analysis to see if there are any updates of their occurrence.

NLMM013 and its offspring NLMM006 (a mottled individual), the particular mother-calf pair with prolonged bonding in NWL waters as mentioned in previous years, were not seen together after their last pairing record in December 2019. NLMM013 was still being sighted for four times in NWL in 2021, but its offspring NLMM006 has not been recorded again since the last sighting with its mother in 2019. In this regard, the prolonged mother-calf bonding is believed to be concluded.

In previous years, special attention had been given to SLMM028, which had a severe injury in 2018. It showed good signs of recovery from its serious injury with normal foraging behaviour recorded 2019 and 2020, however, it was not sighted during vessel surveys in 2021.

A summary of the photo-identification of CWDs is presented in Table 9 of **Appendix F**.

2.5.2.1.10 Photo Identification – Range Use of Identified CWD individuals

SLMM037, the most frequently re-sighted animal in 2021 and also the 4th most frequently re-sighted animal since mid-December 2015, continued to occur frequently in WL and SWL waters. Compared with year 2020, its range use continued to shrink in SWL from the Soko Islands to the western waters of the SWL survey area around Fan Lau and Fan Lau Tung Wan. The overall range use of SLMM037 has covered from Tai O to east of the Soko Islands.

SLMM014, the most frequently re-sighted animal since mid-December 2015, reduced its range use in waters between Tai O and the Hong Kong International Airport. It also continued to show a reduction of use of waters around the Soko Islands compared with earlier years. The overall range use of SLMM014 since the first identification of this animal has recorded a wide coverage from western waters of the Hong Kong International Airport in NWL to Lo Kei Wan in SWL.

In 2021, the range use of SLMM003, the second most frequently re-sighted animal since mid-December 2015, continued to shrink in SWL compared with previous reporting years. Its range use in SWL shifted a bit more westward than 2020. In general, SLMM003 appeared extensively from Peaked Hill in WL to Fan Lau in SWL.

SLMM010, the third most frequently re-sighted animal since mid-December 2015, was more frequently sighted in WL than in SWL in 2021 compared with previous years, and continued to extend its range use in northern part of WL survey area. Meanwhile, its range use in SWL appeared to shrink drastically, with only one re-sighting record there in 2021.

The most frequently re-sighted mother-calf pair in 2021 was NLMM015 and its offspring WLMM164. The calf WLMM164 was first sighted in June 2021 in WL. They have been successfully identified together for six times in 2021. This mother-calf pair has a wide range use covering Lung Kwu Chau in NWL, and Tai O, Yi O and Fan Lau in WL while the mother NLMM015 inhabits in NWL, WL and SWL survey areas from Lung Kwu Chau to the Soko Islands.

The sighting locations of SLMM037, SLMM014, SLMM003, SLMM010, NLMM015 and WLMM164 are depicted in location maps under Figure 11 of **Appendix F**, which provide the indicative distribution range use of representative individuals recorded for the 3RS CWD monitoring.

2.5.2.1.11 Photo Identification – Cross-area Movement

Amongst the 68 individuals that were re-sighted more than once in 2021, 45 individuals showed cross-area movement between survey areas. This accounted for about 40.2% of all 112 identified animals in 2021. Amongst these 45 animals, 16 animals (35.6%) were re-sighted in both NWL (including AW) and WL, 24 animals (53.3%) were recorded in both WL and SWL. There were five animals (11.1%) namely SLMM030, WLMM001, WLM065, WLMM067 and WLMM079, which were recorded occurring in all three main survey areas (WL, SWL and NWL) in 2021. In total, there were 21 identified individual showing cross-area movement that involved NWL. This shows a remarkable increase compared to 2020 when only eight identified individuals were recorded showing cross-area movement involving NWL. This is in line with the fact that more sightings were recorded in NWL in 2021 compared to 2020.

2.5.2.1.12 Photo Identification – Residency Pattern

The residency patterns of the dolphin individuals identified under this monitoring programme have been examined. For residency pattern analysis, both seasonal and annual occurrence patterns of identified CWD individuals with 15 or more re-sighting records (since the establishment of the photo-identification database) were carefully examined. “Residents” are defined as individual dolphins that were regularly sighted for at least three consecutive years, while “Visitors” are individuals that were intermittently sighted during the past years since the establishment of the photo-identification database. Seasonal occurrence patterns were examined to distinguish individuals that occurred year-round (i.e. individual dolphins sighted in all four seasons in at least one of the last two years) or seasonally (i.e. individual dolphins that occurred only in certain seasons of the year).

Up to year 2021, photo-identification records of 51 dolphin individuals that have at least 15 re-sightings since the establishment of the database were examined. There are eight and 42 individuals being defined as year-round residents and seasonal residents respectively. Only one out of these 51 individuals is considered as a visitor to Hong Kong waters. However, it should be noted that the low number of dolphins being classified as visitors at present is mainly because of difficulty for visitor dolphins to meet the minimum requirement of at least 15 re-sightings with their intermittent sighting records. The details of the residency pattern of these 51 animals are shown in **Appendix F**.

2.5.2.2 Summary of Land-based Theodolite Tracking Monitoring Results

In this reporting period, land-based surveys commenced on 15 January 2021, and concluded on 20 December 2021. A total of 24 days and 144 hours of land-based theodolite survey effort were accomplished, including 12 days and 72 hours from LKC and 12 days and 72 hours from SC (Table 10 of **Appendix F** for summary). A total of 16 CWD groups were tracked from land, for a total of 3.11 hours, all from the LKC station (Table 10, Figure 12 **Appendix F**). While most initial CWD sightings were within 1.0 km of the LKC tracking station, sightings were as far out as 5.1 km, northwest of the station. The number of CWD groups sighted from LKC per survey hour was 0.22, compared to 0.29 in 2020, 0.33 in 2019, 0.77 in 2018, and 0.89 in 2017. No CWDs were observed from SC.

After the raw data were filtered, only 8 CWD group tracks off LKC fit criteria for movement analyses, due to the majority of CWD group tracks being too short in duration (< 10 minutes) to include. From the tracks that fit criteria, only 13 10-minute short-track segments could be extracted for potential analyses. Based on this information, sample sizes were simply too low for appropriate statistical analyses, and therefore the present data are summarized to show potential trends. Due to low sample size, all data were used to summarize diurnal, annual, and group size patterns and behavioural state activity. Filtered standardized short-track segments were used to summarize movement patterns, similar to 2020 data analysis.

2.5.2.2.1 Time of Day

The diurnal pattern of CWDs was calculated by dividing the total tracking time of CWD groups (prior to filtering short-track data) by the total effort per hour block, and depicted in Figure 13 of **Appendix F**. Off LKC, the highest proportion of CWD tracking time per hour of effort was recorded during the 1400 hour block (8.4%), the 1300 hour block (6.4%), and the 1100 hour block (5.8%) whilst the lowest percentages were recorded in the early morning and during the 1200 hour block (<3% each).

2.5.2.2.2 Time of Year

CWDs were observed from LKC during January, February, April, July, October, November, and December as depicted in Figure 14 of **Appendix F**. Similar to 2020, no groups were recorded from LKC during five months in 2021, including March, May, June, August, and September. Based on solar season in 2021, CWDs were observed most often during the winter (50%), and least often during the summer (6%). Similarly in 2020 and 2019, CWDs were observed more than expected, based on even distribution, during the winter season. In 2021, CWDs were observed most often during the dry season (75%) and least often during the wet season (25%). The same pattern was observed in 2020 and 2018; however, in 2019 there was not a statistical difference based on oceanographic season.

2.5.2.2.3 Group Size

The mean group size of CWDs off LKC prior to filtering tracks was 3.0±1.8, ranging from singletons to a maximum group size of seven dolphins (Table 11 of **Appendix F**). Group size was 1.8±0.9 in 2020 (range 1-4), 1.9±1.2 in 2019 (range 1-6), and 2.6±1.5 in 2018 (range 1-8). Based on solar season, the mean CWD group size in descending order was 4.0±1.9 in autumn (range 2-7), 2.6±1.8 in winter (range 1-7), 2.5±2.1 in spring (range 1-4), and 2.0 in summer. Based on

oceanographic season, the mean CWD group size was 4.3±2.1 (range 2-7) during the wet season and 2.6±1.6 (range 1-7) during the dry season.

Based on proximity to the SCLKCMP boundary, the mean CWD group size was 4.8±2.2 (range 2-7) inside the marine park, 2.3±1.5 (range 1-4) when crossing the marine park, and 2.1±0.6 (range 1-3) outside the marine park. The sighting distribution of CWDs relative to group sizes within the SCLKCMP, crossing the SCLKCMP boundary and outside the SCLKCMP are represented in Figure 15, Figure 16 and Figure 17 of **Appendix F** respectively.

2.5.2.2.4 Behavioural State

The unknown behavioural category (50%, n=131) was excluded from the following summary of behavioural states. CWDs were recorded travelling (42%), foraging (28%), milling (22%), socialising (5%), and resting (3%) of theodolite tracking time, prior to filtering tracks (Figure 18 of **Appendix F**). Resting and milling behaviour were not recorded off LKC in 2020.

Within the boundary of the SCLKCMP, observed CWD behavioural states included travelling (81%, n=42), socialising (11%, n=6), and resting (8%, n=4) (Figure 19 of **Appendix F**). Outside of the SCLKCMP, observed CWD behavioural states included foraging (51%, n=26), milling (41%, n=21), and travelling (8%, n=4). CWDs crossing the SCLKCMP boundary were recorded foraging (41%, n=11), milling (26%, n=7), and travelling (33%, n=9).

2.5.2.2.5 Movement Patterns and Vessel Activity

Plots of vessels, including high-speed ferries, and CWDs show overlap in habitat off LKC throughout the year (Figure 20 of **Appendix F**).

Off LKC in 2021, 119 vessels were recorded during theodolite tracking surveys. Only six vessels were recorded within 500m of dolphins (based on filtered short-track segments) which included a container ship, fishing boats, a government boat, and a HSF. Mean speed, reorientation rate and linearity for CWDs in the absence of vessels and in the presence of vessels are detailed in Table 12 of **Appendix F**.

2.5.2.2.6 Summary of findings for 2021

- Similar to 2020, data collected in 2021 provided few samples and the inability to conduct robust statistical analyses. While low numbers make most statistical analysis not possible, it is nevertheless clear that off LKC there continues to be a strong decrease of CWDs compared to earlier years.
- The number of CWD groups sighted from LKC per survey hour was 0.22, compared to 0.29 in 2020 and 0.33 in 2019, less than one-half of that observed in 2018 (0.77 groups per survey hour) and 2017 (0.89 groups per survey hour).
- CWDs were observed most often during the late morning and early afternoon hours (1100, 1300, and 1400 hour blocks). This pattern differed from 2020, when CWDs were observed most often during the 0900 morning hour block and almost none observed after noon.
- The highest percentages of CWDs were observed during the late autumn and early winter seasons, similar to 2020 and 2019 with high percentages during winter.
- Similar to 2020, CWDs were recorded most often during the dry season, with a peak in January. No CWDs were observed during 3 of the 5 wet season months, and 2 of the 7 dry season months.
- Maximum CWD group size in 2021 was 7 individuals, compared to 2020 with a maximum of 4 individuals, 2019 with a maximum of 6 individuals, and 2018 with a maximum of 8 individuals.
- Overall, waters off Lung Kwu Chau were primarily used for travelling, foraging, and milling, which is similar to the high percentage of travelling and foraging observed in 2020.

- Most CWD groups were observed outside of the SCLKCMP boundary, which differs from 2020 when most groups were observed inside of the marine park. Group sizes were larger inside of the SCLKCMP boundary and smaller outside of the marine park.
- Travelling, socialising, and resting were observed within the SCLKCMP boundary; foraging, travelling and milling were observed by CWDs crossing the SCLKCMP boundary; and foraging, milling, and travelling were observed outside of the SCLKCMP boundary. In 2020 the pattern was quite different, with foraging observed within the park boundary and only travelling observed outside of the park boundary.
- Only six vessels were recorded within 500m of CWD groups in 2021, which may be due to low sample size or reflect potential CWD avoidance of vessels off LKC.
- There were no sightings of CWDs off Sha Chau during land-based theodolite work in 2021 (same as 2020).

2.5.2.3 Summary of Passive Acoustic Monitoring (PAM) Results

2.5.2.3.1 Dolphin Detection per Day

During 30 December 2020 to 10 January 2022, there were six deployment periods of F-POD and/or C-POD at position A5 for PAM (with the coordinates of 22° 20.299' N, 113° 53.871' E). During the deployment period, CWDs were detected at Location A5 with a total of 74 true dolphin Detection Positive Minutes (DPM), as summarised in Table 13 of **Appendix F**. Dolphins were detected on 19 of 280 days with recording effort (Figure 21 of **Appendix F**).

The activity of CWDs was represented by the percentage of Detection Positive Days (DPD) over total logged days (i.e. DPD %). Over the six deployment periods, DPD % ranged from 0% to 13.07%, while the presence of CWD was detected in overall 6.79% of the logged days (as summarised in Table 13 of **Appendix F**). Low dolphin activity was recorded from PAM at Location A5 throughout deployment periods in 2021.

In terms of solar season, no DPM was recorded in two winter months and springtime, while low DPM was recorded from late summer to mid-autumn as illustrated in Figure 21 of **Appendix F**. Higher levels of dolphin DPM were recorded from late autumn to mid-winter. The zero detection from January to February was due to technical issues experienced by the PAM device, which was found being adversely displaced from A5 position by external force. Low detection rates in summer may be an artefact of low recording effort during summer months (deployment #4) due to a similar issue that the device was found being burrowed in mud while its frame was turned upside down, indicating that it was probably shifted by another boat/net.

2.5.2.3.2 Dolphin Diel Pattern

Dolphin detection rates at A5 were greater overall at night than during daytime, with a peak in detections in the 0200 time block and remaining high in the hour 0300 and 0600 blocks (as indicated in Figure 22 of **Appendix F**). The higher night-time detection rate observed during this monitoring period is similar to the diel pattern in dolphin detections observed throughout Hong Kong waters, with higher numbers of detections during night-time and fewest detections at midday (Munger et al. 2016). Dolphin detections in autumn and winter showed a consistent trend where peak detections occurred in the 0200 block (Figure 23 of **Appendix F**). In autumn, apart from peak hours from 0200 to 0600, dolphin acoustic activities were also recorded in the evening from 1700 to 2100. As dolphin detections were low in spring and summer, there were no observable diel patterns.

2.5.3 Discussion on CWD Monitoring Results

CWD monitoring by vessel surveys has been conducted as required during the construction phase. Supplementary surveys including land-based theodolite tracking and underwater passive acoustic monitoring have provided additional information (such as habitat use of CWDs during day and night) for facilitating a review of the effectiveness of mitigation measures proposed and

any need for adaptive management measures. In addition to interpreting monitoring data in relation to identifying any project impacts, the interpretation of data from all three monitoring types can also assist in examining the kinds of issues that need to be considered for management and conservation of CWD in Hong Kong.

2.5.3.1 Vessel Line-transect Survey and Photo-identification

From the CWD vessel-based monitoring data, the estimate of overall abundance for 2021 was 34 dolphins, which is slightly higher than the year before, with a CV of 15.5% (which indicates a good level of precision). It is not surprising to see that the estimate of total dolphin numbers in Hong Kong was a bit higher than the previous year's estimate (32 dolphins in 2020, CV = 12.8%), though a change from one year to the next should never be taken as an indication of long-term trends. Although CWD estimates in Hong Kong increased somewhat from 2016 to 2018 (Jefferson 2018; 3RS Annual EM&A Report 2018), Hong Kong waters have been showing an overall declining trend in dolphin numbers over much of the last decade (see Jefferson 2018), and the 3RS EIA predicted shifting of dolphins away to waters outside Hong Kong and a significant effect on numbers in Hong Kong during intensive periods of construction (EIA Report Section 13.9.2). There were seawall construction and marine filling in the 3RS works area, as well as reclamation works for the Tung Chung New Town Extension concurrently in North Lantau waters (note that the changes in the size of the different survey areas over the past few decades have been taken into account in the line transect analysis for this year, with the total area of the NWL area being reduced to account for this loss of potential habitat). Thus, year 2021 was still in the phase of construction that had the most impact on dolphins. Since the major reclamation work for the 3RS project has now concluded in 2021, some level of recovery would be expected, and some early signs of that might be seen. However, many more years of similar survey effort will be needed to examine this issue carefully, and we should not yet conclude that recovery has begun. In fact, some time delay in seeing an increase in dolphin numbers would be reasonable to expect.

Within NWL waters, dolphins have recently been mostly found around the Castle Peak and Lung Kwu Chau areas. In 2021 at least 16 dolphin sightings were made (in favourable weather conditions) in NWL, indicating that, while dolphins largely moved away from this area in 2020, they may be starting to return. The seasonal analysis showed that during summer and autumn, dolphin numbers are still reasonably higher in Hong Kong waters. The 2021 seasonal range is 31 to 43 dolphins. The spring estimate was the lowest (31 dolphins), while the autumn estimate was the highest (43 dolphins), and this indicates that, despite the overall reduction in the average number of dolphins using Hong Kong waters in recent years, there are well over 40 dolphins still present in Hong Kong in the summer/autumn months. The main concern is that dolphin numbers in NWL have decreased quite significantly in the recent couple of years. Some good news is that in WL and SWL dolphin numbers have remained similar to those in previous years. Past decreases suggested that construction activities in other areas of western Hong Kong waters (which, besides the 3RS works, includes IWMF works at Shek Kwu Chau) and other factors that are affecting dolphins north of Lantau Island may also be affecting their use of the waters south and west of Lantau Island. The potential for cumulative and far-ranging impacts from projects in specific areas is not well understood, and should be investigated in future monitoring efforts (including both those in relation to this project, and other studies outside the 3RS monitoring effort). This would be a particularly acute concern for the West Lantau area, which is known to represent the highest-density area for CWDs and although not directly impacted by marine construction in the past few years, the area has nonetheless shown evidence of a decrease in CWD numbers.

In earlier years, concerns had been expressed by some interested stakeholders that dolphin numbers in NWL may have decreased specifically due to hypothesized negative impacts from the re-routing of high-speed ferries (HSFs) to the Speed Control Zone (SCZ) north of Lung Kwu Chau. The analysis covering the entire first year post-SCZ (2016) provided an estimated abundance of 15 dolphins for NWL (refer to the 2016 annual report). The estimate for 2017 for the same area was 14 dolphins. The 2018 estimate was substantially higher at 22 dolphins. Therefore, the drop

in 2019 to 8 dolphins was not likely due to the effects of the SCZ, which has been in operation for several years, but was more likely due to relatively more construction works for the 3RS and concurrent activities (such as changes in overall vessel traffic) in NL waters, or due to other unknown reasons. This belief is further bolstered by the fact that daily HSF trips were down substantially to single-digits in 2020 due to COVID-19 impacts, and yet CWD numbers continued to decrease. Whatever the reasons for the fluctuations in numbers of dolphins in the NWL area, there is still no evidence that the SCZ has had any negative impacts on the dolphins. Long-term CWD monitoring data that are being collected during the course of this project will help to identify any specific impacts resulting from overall changes in vessel traffic.

In terms of the concerns expressed in the 3RS EIA about the potential impacts on the travel corridor/area between both the project and SCLKCMP, and between CWD hotspots in NWL, NEL and WL, and the concern on the effectiveness of implementing the SkyPier HSF route diversion in alleviating the impacts on CWD travelling areas, the increased CWD sightings from vessel surveys in NEL area during 2018 indicated that a slight rebound in the use of these travel areas by CWDs had likely occurred, however this increase has not continued in 2019-2021. HZMB impacts were likely most severe during the period from 2013 to 2016 when construction works were ongoing (a period which saw an overall decline in CWD numbers in Hong Kong – Jefferson 2018), and the increase in CWD numbers seen in 2018 may have been the initial stages of recovery from that period of more intensive HZMB construction impacts. It is likely that the 3RS construction works and other concurrent activities in NL waters in 2019 onwards may have caused dolphins to again move away from these areas, as predicted in the EIA (Section 13.9.2). Nevertheless, it is noted that history suggests that when construction is completed, a rebound in numbers can again be expected (Jefferson 2018). Data since 2018 indicate that the travelling areas are still being used, although at a lower level. It should also be kept in mind that dolphins tend to move through these areas relatively quickly and do not generally spend as much time milling as they do in the main foraging/socialising areas, which may further reduce the chance of dolphin sightings. Indeed, there were high-speed boats frequently travelling around south of Sha Chau and waters of western part of the NWL survey area, as observed from surveys, that might be related to marine smuggling activities reported in the news (see Annex 1 of **Appendix F**). Such activities may also be a factor that inhibited CWD use in this travelling area.

Regarding the results of photo-identification work, a total number of 112 CWD individuals were identified altogether 327 times from all sightings in 2021, with 68 individuals (around 60.7%) sighted more than once. Forty-five individuals (around 66.2%) of the 68 re-sighted animals showed cross-area movement between different survey areas, with five animals recorded occurring in all three main survey areas (WL, SWL and NWL) in 2021. A remarkable increase is noted for cross-area movement involving NWL (21 individuals) compared to 2020 (only eight individuals). Regarding the re-sighted CWDs, the mother-and-mottled pair NLMM006 and NLMM013 was not observed in 2020, though the mother was seen without the presumed offspring. SLMM037, which has been frequently observed for several years, was the most commonly sighted individual in 2021 being frequent in WL and SWL waters. Eight identified dolphins were considered as year-round residents in view of their occurrence pattern in all seasons for consecutive years.

2.5.3.2 Land-based Theodolite Tracking

During 12 days and 72 hours of theodolite surveys at the station on LKC in 2021, a total of 16 CWD groups were tracked, and only 8 groups fit criteria for movement pattern summary due to most tracks being less than 10 minutes in duration. Due to low sample sizes, as in 2020, we were unable to conduct robust statistical analyses. While there are not enough data for robust statistical analyses of behaviours of CWD relative to group sizes, presence of vessels, etc., it is clear that habitat use off LKC has decreased in the past three years. We summarize the present data to show the apparent present situation and potential trends. During 12 days and 72 hours of theodolite surveys off SC in 2021, no dolphins were observed or tracked, similar to previous years (2018 to 2020).

The sighting rate off LKC in 2021 was 0.22 CWDs per survey hour, lower than sighting rates since 2017. This survey finding was in line with the vessel surveys over the past several years for this general area, which may be due to ongoing 3RS Project and other concurrent project construction activities in NL waters. However, there appears to be a slight increase in usage of this area in 2021, based on vessel survey data. The decline over the past several years may also have been due to other unknown factors, for example relating to the decline of fishing activity identified by monitoring teams here, or from other marine traffic activities not associated with 3RS construction works. In particular, decreased activity of pair and hang trawlers in Hong Kong since the trawl ban took effect may have resulted in decreased use of Hong Kong waters by CWDs, as a significant number of individual dolphins previously used to be attracted to fishing activities to assist in dolphin foraging (see Jefferson 2000; Chilvers et al. 2003).

In 2021, dolphins were sighted as far as 5.1 km from the LKC station. Survey data show that the heaviest use of waters north of the SCLKCMP by CWDs was in the late morning and early afternoon hours, with a peak in sightings during the 1400 hour block. CWDs were tracked primarily during the late autumn and early winter seasons and the dry season, but were not observed in March, May, June, July, August, or September (similar to 2020). Maximum CWD group size was 7 dolphins, more than the maximum numbers observed in 2020 and 2019.

Overall, waters off Lung Kwu Chau continue to be important habitat used for foraging and travelling. Socialising and resting were also observed in 2021, though less frequently than foraging and travelling. Only six vessels were recorded within 500m of CWD groups, which may be due to low sample size or reflect potential CWD avoidance of vessels off LKC. It is hoped that dolphins will return to this former CWD “hotspot” area north of the SCLKCMP as 3RS marine activities wind down in the next several years, and monitoring for rebound use in this important area will continue.

2.5.3.3 Passive Acoustic Monitoring

The PAM data continue to provide useful information on patterns of dolphin vocalization at night, which has previously been unavailable to us and could not be recorded during the land-based survey conducted during daytime at south of Sha Chau. The diurnal detection of clicks showed a consistent pattern of higher levels in late evening and at night compared with the day, which may be indicative of increased use of echolocation by dolphins during hours of darkness.

The PAM data provide evidence that dolphins are using the area around south of Sha Chau. In 2021, dolphins were present with especially high incidence in late autumn (November), and less so in other seasons, with no acoustic detections from January to July. This lack of detections may represent a reduction or absence of dolphin usage, but it could also be related to high ambient noise levels that reduced the detectability of dolphin signals. There were indeed high-speed boats frequently travelling around south of Sha Chau as observed from vessel surveys which probably inhibited CWD occurrence around the PAM location.

Dolphins were detected more frequently during night-time hours than during the day, and this may be related to nocturnal foraging behaviour. This has been a general trend throughout PAM monitoring in most parts of Hong Kong (Munger et al. 2016). It is also possible that at least a portion of this diel trend is related to dolphins utilizing this area more intensively at night than in daytime, because of decreased industrial activity at night.

The PAM in 2021 represents a decline in overall dolphin detection since the previous year in terms of percentage of days with dolphin detections, which is also reflected by land-based observations that indicate a potential decrease in dolphin habitat use. However, the seasonal and diel detection patterns observed in 2021 suggest that dolphins continue to use the area especially in autumn, and then primarily at night and in conditions when visual observation is not feasible.

2.5.4 Conclusions of CWD Monitoring Results

With reference to the aims of construction phase CWD monitoring described in the EM&A Manual (Section 10.2.1.2-4), the key findings of CWD monitoring in 2021 are summarised as follows.

2.5.4.1 Effects on the Potential Shift in CWD Travelling Areas and Habitat Use

The latest monitoring data indicate mixed trends in use of areas within Hong Kong waters in 2021, as compared to the previous year. The main area of increased use was Northwest Lantau, which showed a substantial increase from the previous year. As expected and predicted in the 3RS EIA, dolphins likely shifted their activities away from the 3RS construction activities as well as increasing marine works for the Tung Chung New Town Extension project in 2019 and 2020. Nevertheless, they still used Hong Kong's western waters (primarily SWL and WL) for important ecological activities like foraging and resting, despite the disturbance. Whether the increase observed in 2021 is indicative of the start of a long-term dolphin recovery in the area remains to be seen. The main issue now is how much recovery there will be when the marine construction activities end in this area, and future monitoring efforts beyond the construction phase will help to address this.

2.5.4.2 Effectiveness of the HSF Speed and Routing Restrictions to the CWDs

As detailed above, we now have six years of data from the period since the SCZ was implemented, and the information available from both the vessel-based and land-based monitoring indicates that dolphin use of the NWL area has fluctuated from year to year (ranging from 1 to 22 dolphins), with a period of initial increase after the SCZ was put into effect. Due to COVID-19 effects, 2020 was a year of significantly decreased HSF activity in general, including in the SCZ area, and yet there was still a reduction in the use of NWL. Therefore, the evidence suggests that the SCZ is not impacting dolphin use of this area, and at the same time, is likely reducing the chances of dolphins being hit by vessels travelling at high speed. Observations in 2021 are line with those previous assessments.

Waters around Lung Kwu Chau have historically been a significant year-round habitat, especially for foraging, though 2020 saw a very large decline in use of this area by CWDs. There is no evidence that the observed decline in dolphin use of the HSF SCZ around Lung Kwu Chau was due to ferries being re-routed to that area with slower speeds at the end of 2015. The recent (2019-2020) decline in numbers of dolphins in NWL area is not considered to be linked to HSF re-routings and the SCZ, and the apparent increase in 2021 is considered encouraging.

2.5.4.3 Trends in Long Term Monitoring Data

From vessel surveys conducted in 2020, CWD use of Hong Kong waters was down significantly from 2019, though there appears to be an uptick in 2021. West Lantau waters are still being used as the most important habitat in Hong Kong, as has been the case since CWD monitoring in Hong Kong first started in 1995/1996. It is estimated that 34 dolphins (on average) were found within Hong Kong waters in 2021, which is up from 32 dolphins last year (2020). Seasonally, the CWD number within Hong Kong ranged from about 31 to 43 in 2021. There continues to be no evidence that the implementation of the SkyPier SCZ is having any negative impacts on dolphin use of the NWL area. In fact, daily SkyPier HSF trips were down substantially in 2020 and 2021 due to COVID-19 (refer to Section 2.9 and **Table 2.26**), thus there was no substantive new data on CWDs tracked near HSFs over the monitoring period. Diverted SkyPier HSFs with speed control measures in place appear to be reducing risks to CWDs using the narrowing waters between south of SCLKCMP and the airport north, and at the same time do not appear to be resulting in apparent negative impacts on CWDs along the diverted route.

While land-based observations and theodolite tracking do not present overall estimates of numbers of dolphins, the 2021 data from LKC are similar to 2020 data, which shows a reduction in CWD groups sighted and tracked compared to earlier years of 2017-2019. This indicates a lower use of this area by CWDs, perhaps indicative of the increasing construction and other

marine traffic activities in the NL waters, as discussed earlier. It is possible, as mentioned in Section 2.5.3, that the data from the three years before 2020 represent a partial rebound of dolphin use of waters north of Lantau Island due to cessation of the intensive HZMB construction activities of 2013-2016 (see also Jefferson 2018). In 2020, continuing from 2019, the ongoing 3RS Project marine construction activities reduced dolphin use in North Lantau waters in the way that was predicted in the 3RS EIA (Section 13.9.2). In 2021, some evidence of the start of a recovery was seen, but further data are needed to see if this will be sustained.

It is important to remember that dolphins shift around within their habitat from year to year, due to both natural and anthropogenic factors. Thus, evidence of a decrease or increase in numbers from one year to the next should not necessarily be taken as indication of an overall population decline or recovery. Dolphins live for many decades and thus long-term monitoring using consistent methods is needed over an extended period of time in order to evaluate the true conservation status of the CWD population and how its use of Hong Kong waters is being affected.

The CWD construction phase monitoring data so far appear to be generally consistent with findings of the ecological assessments completed during the 3RS EIA, which predicted significant negative impacts during construction, including from the physical loss of habitat due to the reclamation (EIA Report Section 13.9.1). No unexpected ecological impacts on CWDs have been identified, while the increase in abundance in 2021, though small, is encouraging nonetheless. However, it should be noted that dolphins shifting away from NL and nearby waters is to be expected during 3RS construction works, such as increasingly intensive seawall construction and marine filling activities, as had occurred in 2020 (and early 2021), and this is broadly in line with EIA predictions.

In the 3RS EIA and as reported in the last several Annual EM&A Reports, it was predicted that dolphins would shift away from portions of their home range that are experiencing intense human activities and that appears to have been the case in 2020 as seawall works and marine filling activities intensified. These impacts are anthropogenic disturbances and therefore are of conservation concern; however, they are likely temporary and reversible and previous studies have supported that dolphin numbers can be expected to recover over the long-term, after completion of works (assuming that the habitat is properly protected and still of adequate quality). Monitoring for the 3RS will continue during 2022 and beyond, with the goal being to determine the extent of remaining project impacts, to facilitate a review of the effectiveness of proposed mitigation measures and to determine any need for adaptive management measures.

Monitoring of dolphins must continue in order to allow us to evaluate the full extent of impacts and any recovery that occurs in the future, and stabilization or an increase in abundance of Hong Kong CWDs is desirable for the long-term health of this population. As dolphin numbers in Hong Kong appeared to be going down in 2020, and remained much lower than in the past in 2021, though with a slight increase compared with 2020, diligent monitoring should continue. At this stage of 3RS construction, all recommended mitigations have been implemented and although impacts are occurring, these are likely to be temporary and within previously predicted patterns. Once marine construction is completed, and the proposed marine park in North Lantau comes into effect, the situation should improve. The effectiveness of the mitigation measures will be kept under review over the next few years as CWD monitoring continues.

2.5.4.4 Long Term Conservation and Management Suggestions

In terms of the long-term conservation and management of the CWD population and specifically that portion that uses Hong Kong waters, it is important for numbers to stabilise once marine construction is completed, as the evidence suggests both that dolphins are using Hong Kong waters less intensively and that the overall population is declining (see Huang et al. 2012; Jefferson 2018). The intensive evaluation of construction methods that was undertaken in the EIA process for this project (which resulted in methods that are less harmful to dolphins, such the use of Deep Cement Mixing for site stabilization) should be seen an example and emulated in future

impact assessments. Importantly, there is also ongoing evaluation of the impacts, and the ability to re-evaluate, if significant, unexpected impacts appear to be occurring.

A major goal for Hong Kong and mainland management authorities should be to establish effective measures including, but not limited to, protection of critical foraging and breeding habitat, as well as important travel routes for the dolphins. Most importantly, the area along the entire west coast of Lantau Island has consistently been used as prime habitat by CWDs for the past several decades, but unfortunately numbers there have declined recently. This region has been confirmed by the current 3RS Project monitoring effort to remain as the most important habitat for dolphins in Hong Kong, based on densities of CWD use, but most of the area remains unprotected. The formation of protected habitat for CWDs in this area should be seen as a high priority for the future of CWDs in Hong Kong. If it is used properly, the knowledge learned from the 3RS project, as well as the funding support and attention given the CWDs from this project (e.g., through the Marine Ecology Enhancement Fund), can be very helpful for management authorities in achieving the important long-term goal of stabilizing the CWD population, and ensuring its long-term health and survival.

2.5.5 Site Audit for CWD-related Mitigation Measures

During the reporting period, silt curtains were in place by the contractors for marine filling and bored piling works, and dolphin observers were deployed by contractors in accordance with the Marine Mammal Watching Plan. Teams of at least two dolphin observers were deployed by contractors for continuous monitoring of the Dolphin Exclusion Zone (DEZ) for DCM works, seawall construction and marine bored piling for approach lights in accordance with the DEZ Plan. Training for the dolphin observers on the implementation of MMWP and DEZ monitoring was provided by the ET prior to the aforementioned works, with the training records kept by the ET. From the contractors' MMWP observation records, no dolphins or other marine mammals were observed within or around the silt curtains during the reporting period. As for DEZ monitoring records, no dolphins or other marine mammals were observed within the DEZs in this reporting period. These contractors' records were audited by the ET during site inspection.

Audits of acoustic decoupling for construction vessels were carried out during weekly site inspection and are summarised in Section 2.7. Summary of audits of SkyPier High Speed Ferries route diversion and speed control and construction vessel management are presented in Section 2.8 and Section 2.9 respectively.

2.6 Sewage Flow Monitoring

In accordance with the approved EIA Report (AEIAR-185/2014) for Expansion of Hong Kong International Airport into a Three-Runway System (3RS), the gravity sewer from the airport discharge manhole to TCSPS was recommended to be upgraded by AAHK to cater for the ultimate design sewage flow from the expanded airport. It was recommended in section 6.2.1.1 of the Manual that AAHK should conduct annual monitoring for the sewage flow build-up of the gravity sewer from the airport discharge manhole to TCSPS one year before the scheduled commencement of operation of the proposed third runway. The annual monitoring results shall inform the timing of commencement of the planning of the sewer upgrading works. The sewage flow monitoring methodology paper (the Paper) was prepared, submitted and subsequently approved by EPD on 21 June 2021.

2.6.1 Brief Summary of the Agreed Method

With reference to the Paper, the existing sewer to be monitored is the section between FMH7042035 (reference point A) and FMH7043286 (reference point C). A schematic diagram of the sewage system between reference point A and C is presented in **Figure 2.8**. The locations of these reference points are presented in **Figure 2.9**. To determine if the threshold of 80% of the design capacity is being reached, an approach using the Colebrook-White equation was used.

- Segment 1: for sewage pipelines serving the airport – the critical segment is the 1050mm sewer between manholes FMH7042032 and FMH7042033, where the 80% threshold of full flow capacity is 53,395.2 m^3/day; and
- Segment 2: for the sewage pipelines serving the airport and catchment L4 – the critical segment is the 1050mm sewer between manholes FMH7043288 and FMH7043287, where the of 80% threshold of full flow capacity is 57,628.8 m^3/day.

According to the Paper, segment 1 would reach its 80% full flow capacity before segment 2. Hence, segment 1 was considered the critical segment within the section between reference points A and C, and it was agreed to conduct sewage flow monitoring for segment 1 only. With the daily flow rate of SPS-1, which collects sewage arising from the Airport, is available from AAHK, desk-based flow monitoring would be conducted by comparing the daily average flow rate of SPS-1 (i.e. Q1) against the threshold of 80% of pipe capacity of segment 1 (i.e. 53,395.2 m3/day) in accordance with the following criteria:

- If Q1 ≤ 53,395.2 m^3/day, planning of sewerage upgrading works can be on hold until results of next annual monitoring; and
- If Q1 > 53,395.2 m^3/day, planning of sewerage upgrading works shall be considered to start and annual monitoring shall be discontinued.

Within the monitoring period, if the daily average flow rate of SPS-1 (i.e. Q1) is higher than the threshold of 53,395.2 m^3/day, planning of sewerage upgrading works shall be considered to start and the annual monitoring shall be discontinued. The above approach was agreed to be adopted as part of annual monitoring for the sewage flow increment of the concerned gravity sewer in 2021 and 2022.

2.6.2 Desk-Based Monitoring Result

To fulfil the requirements as mentioned in previous section, the annual sewage flow monitoring has been started since June 2021. According to the daily flow monitoring record of SPS-1 from June to December 2021 (see **Appendix D**), the daily average flows were well below the above-mentioned threshold of 53,395.2 m^3/day. To conclude, the summary of daily average flow at SPS1 during this reporting period is presented in **Table 2.18**. For the subsequent sets of sewage flow monitoring data for SPS-1, it will be presented in upcoming Quarterly and Annual EM&A Reports.

Table 2.18: Summary of daily average flow at Sewage Pumping Station 1 (SPS1)

Month	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
Average of daily flow at SPS1 (in m^3/day)	13,460	13,989	14,335	13,448	16,319	15,717	14,866

Source: Excerpted from Quarterly EM&A Reports

2.7 Landscape and Visual Mitigation Measures

Implementation of applicable landscape and visual mitigation measures (reference to the environmental protection measures CM1 – CM10 in **Appendix C**) was monitored in accordance with the Manual. All measures undertaken by both the contractor and the landscape contractor during the construction phase and first year of the operation phase are audited by a landscape architect, as a member of the ET, on a regular basis to ensure compliance with the intended aims of the measures.

Site inspection and audit are undertaken as necessary in the construction and operation phase in accordance with the Monitoring Programme for Landscape and Visual as shown in **Table 2.19**. In case of non-conformity, specific recommendations will be made and actions will be proposed in accordance with the Event and Action Plan as shown in **Table 2.20**. No nonconformity was recorded during the reporting period.

Table 2.19: Monitoring Programme for Landscape and Visual

Stage	Monitoring Task	Monitoring Report	Form of Approval	Frequency
Detailed Design	Checking of design works against the recommendations of the landscape and visual impact assessments within the EIA shall be undertaken during detailed design and tender stage, to ensure that they fulfil the intention of the mitigation measures. Any changes to the design, including design changes on site shall also be checked.	Report by AAHK / PM confirming that the design conforms to requirements of EP.	Approved by Client	At the end of the Detailed Design Phase
Construction	Checking of the contractor's operations during the construction period.	Report on Contractor's compliance, by ET	Counter signature of report by IEC	Weekly
Establishment Works	Checking of the planting works during the twelve-month Establishment Period after completion of each batch of transplanting works.	Report on Contractor's compliance, by ET	Counter signature of report by IEC	Every two months
Long Term Management (10 year)	Monitoring of the long-term management of the planting works in the period up to 10 years after completion of each batch of transplanting works.	Report on Compliance by ET or Maintenance Agency as appropriate	Counter signature of report by Management Agency	Annually

Table 2.20: Event and Action Plan for Landscape and Visual

Event Action Level	Action			
	ET	IEC	AAHK / PM	Contractor
Design Check	Check final design conforms to the requirements of EP and prepare report.	Check report. Recommend remedial design if necessary.	Undertake remedial design if necessary.	
Non-conformity on one occasion	Identify source. Inform IEC and AAHK / PM. Discuss remedial actions with IEC, AAHK / PM and Contractor. Monitor remedial actions until rectification has been completed.	Check report. Check Contractor's working method. Discuss with ET and Contractor on possible remedial measures. Advise AAHK / PM on effectiveness of proposed remedial measures. Check implementation of remedial measures.	Notify Contractor. Ensure remedial measures are properly implemented.	Amend working methods to prevent recurrence of non-conformity. Rectify damage and undertake additional action necessary.
Repeated Non-conformity	Identify source. Inform IEC and AAHK / PM. Increase monitoring frequency. Discuss remedial actions with IEC,	Check monitoring report. Check Contractor's working method. Discuss with ET and Contractor on	Notify Contractor. Ensure remedial measures area properly implemented.	Amend working methods to prevent recurrence of non-conformity. Rectify damage and undertake

Event Action Level	Action		
	AAHK / PM and Contractor.	possible remedial measures.	additional action necessary.
	Monitor remedial actions until rectification has been completed.	Advise AAHK / PM on effectiveness of proposed remedial measures.	
	If non-conformity stops, cease additional monitoring.	Supervise implementation of remedial measures.	

2.7.1 The implementation status of the environmental protection measures

The implementation status of the environmental protection measures is summarised below in **Table 2.21**. For trees which were managed by the Project during the reporting period, relevant measures have been implemented by Contracts 3302, 3503, 3508, 3602 and 3801. Contract 3802 would begin to undertake tree management measures subject to the handover of site area. Those trees which were within the Project boundary yet to be taken care by existing 3RS Contractors during the reporting period were managed by AAHK.

Table 2.21: Landscape and Visual – Construction Phase Audit Summary

Landscape and Visual Mitigation Measures during Construction Implementation Status	Implementation Status	Relevant Contract(s) in the Reporting Period
CM1- The construction area and contractor's temporary works areas shall be minimised to avoid impacts on adjacent landscape.	The implementation of mitigation measures were checked by ET during weekly site inspection and clarified by the Contractors during the monthly Environmental Management Meetings. Implementation of the measures CM5, CM6 and CM7 by Contractors was observed.	3RS Project contracts
CM2 – Reduction of construction period to practical minimum.		
CM3 – Phasing of the construction stage to reduce visual impacts during the construction phase.		
CM4 – Construction traffic (land and sea) including construction plants, construction vessels and barges shall be kept to a practical minimum.		
CM5 – Erection of decorative mesh screens or construction hoardings around works areas in visually unobtrusive colours.		
CM6 – Avoidance of excessive height and bulk of site buildings and structures		
CM7 – Control of night-time lighting by hooding all lights and through minimisation of night working periods		
CM8 – All existing trees shall be carefully protected during construction. Detailed Tree Protection Specification shall be provided in the Contract Specification. Under this specification, the Contractor shall be required to submit, for approval, a detailed working method statement for the protection of trees prior to undertaking any works adjacent to all retained trees, including trees in contractor's works areas	Tree Protection Specifications have been provided in the relevant Contract Specifications respectively for implementation by the Contractors under the Project. The Contractors' performance on the implementation of the trees maintenance and protection measures were observed and checked by the ET weekly during construction period.	3302, 3503, 3508, 3602, 3801 3802 (To be implemented)
CM9 – Trees unavoidably affected by the works shall be transplanted where practical. A detailed Tree Transplanting Specification shall be provided in the Contract Specification, if applicable. Sufficient time	Tree Transplanting Specifications have been provided in the relevant Contract Specifications respectively for implementation by the Contractors	3503, 3508, 3801

Landscape and Visual Mitigation Measures during Construction Implementation Status	Implementation Status	Relevant Contract(s) in the Reporting Period
for necessary tree root and crown preparation periods shall be allowed in the project programme	under the Project where trees will unavoidably be affected by the construction works. The Contractors were required to submit Method Statements for tree transplanting prior to the transplanting works. Tree inspections were conducted by ET to check the tree transplanting works implemented by the Contractors on site. The Contractors' performance on the implementation of trees maintenance and protection measures on transplanted trees were observed and checked by the ET bi-monthly during the 12-month establishment period after the completion of each batch of transplanting works. Long term management of the transplanted trees were currently monitored by ET annually.	3802 (To be implemented)
CM 10 – Land formation works shall be followed with advanced hydroseeding around taxiways and runways as soon as practical	To be implemented around taxiways and runways as soon as practicable.	To be implemented

The 3RS Project is a mega project covering a number of detailed design contracts and many construction works contracts in different design and construction stages. Works areas would be taken up by different 3RS works contracts in stages with the commencement of construction, and the landscape and visual elements of these contract of the 3RS Project also designed and implemented at various stages of the Project.

Broad-brush tree survey and assessment were undertaken for the entire 3RS Project during EIA stage. After that, detailed design consultants had conducted more detailed tree surveys and assessments so that the landscape and visual elements were refined and aligned with their respective design areas. With the award of specific 3RS construction works contracts, the respective contractors would conduct their own detailed tree survey and assessment as necessary, to confirm the tree status at the time of their possession of the site. The tree survey and assessment from the respective contractors were taken as the baseline of that particular piece of works area before being affected by 3RS Project. Some of the tree group areas as identified in approved EIA report were affected by 3RS construction works as of 2021. Environmental monitoring and audit work which included the auditing of contractor's work in landscape and visual aspects such as tree preservation, protection and transplantation was implemented in accordance with the updated construction programme and the relevant requirements of the EP and the Updated EM&A Manual.

The total number of retained trees, transplanted trees and to-be-transplanted trees under the management of Project are summarized in **Table 2.22**. The tree schedule updated as of end 2021 is shown in **Appendix H**.

Table 2.22: Summary of the Number of Retained, Transplanted and To-be-transplanted Trees as of December 2021

Existing				
Contract	Retain (nos.)	Transplanted (nos.)		To-be-transplanted (nos.)
		Establishment Period	Long Term Management Period	
3302	9	0	0	0
3503	0	6	3	0
3508(1)	24	12	0	0
3602	2	0	0	0
3801	17	0	5(2)	0
Sub-total	52	18	8	0
Provisional				
Contract	Retain (nos.)	Transplanted (nos.)		To-be-transplanted (nos.)
3508(1)	51	0		10
Sub-total	51	0		10
Grand Total	**103**	**26**		**10**

Note:

(1) As some of the site areas have been handed over to Contract 3508, Contractor of Contract 3508 is currently managing the trees that are located within their site area. Existing trees to be managed by Contract 3508 is subject to change after initial tree surveys for each batch of site areas have been conducted by the Contractor.

(2) Three transplanted trees (CT1194, CT1794 and CT1795) were subsequently felled after transplantation. Please refer to **Table 2.24** for details.

Table 2.23 lists the affected tree ID together with the reasons for change of tree status between the tree schedules as of end 2020 and end 2021.

The total number of retained trees of the Project as of end 2021 was 52. Compared to 118 nos. of retained trees for existing works contracts reported in the tree schedule as of end 2020, the change in number was due to the following reasons:

- A works area with 21 nos. of trees next to East Coast Road and Sky City Interchange were handed over to Contract 3508 and the status of those trees were confirmed to be retained (+21 nos.);
- ET and 3801 Contractor's on-site inspections confirmed that the status of 1 no. of tree near the Airport North Interchange should be retained tree (+1 no.);
- A works area with 4 nos. of trees were handed over from Contract 3801 to Contract 3508 (no change in numbers);
- Initial tree survey from Contractor 3801 covered some areas which confirmed not to be works areas and therefore excluded from the Project area. Trees located in those areas were removed from the retained tree list under the Project (-41 nos.);
- 1 no. of tree near Airport North Interchange under Contract 3801 was removed due to safety concern of Airport Express Line (AEL) operation in May 2021 (-1 no);
- Contractor confirmed that 11 nos. of trees under Contract 3503 were not within their works area. Therefore, trees located in those areas were removed from the retained tree list under the Project in July 2021 (-11 nos.);
- Tree survey report 2021 from Contractor 3801 confirmed that 3 nos. of trees were included as additional trees in the works area under Contract 3801 (+ 3 nos.);
- 1 no. of tree was handed over from Contract 3801 to Contract 3802, and was subsequently removed by the Contractor due to conflict with 3RS works in September 2021 (-1 no.);

- 4 nos. of trees near Airport North Interchange under Contract 3508 were removed due to safety concern of AEL operation (-4 nos);
- A storage area with some trees were handed over from Contract 3801 to AAHK. The trees were excluded from the Project (-28 nos);
- Works areas with trees were handed over from Contract 3503 to Contract 3508, of which part of the trees were felled while part of the trees would be felled by Contract 3508 as planned (-5 nos);and
- A works area with 3 nos. of trees were handed over from Contract 3503 to Contract 3508 (no change in numbers).

Moreover, the status of some trees were further updated as of end 2021 due to the confirmation of tree felling information by contractors or AAHK in May 2022.

Table 2.23: Summary of the Tree Status Changes between end 2020 and end 2021

Tree ID(s)	Contract	Status as of end 2020	Status as of end 2021	Remarks	Impacts to Total Tree Number
T1491, T1492, T1506, T1507, T1508, T1509, T1512, T1514, T1515, T1518, T1519, T1521, T1522, T1524, T1525, T1527, T1528, T1531, T1532, T1536, A2	3508	NA	Retain	Works area with 21 nos. of trees were handed over to Contract 3508 in Mar 2021	**Retain:** +21 nos.
CT1379	3801	Fell	Retain (as of Feb 2021);	The status of one tree was updated to retain during site inspection in Feb 2021.	**Retain:** +1 nos.
CT1373, CT1375, CT1376, CT1378, CT1379, CT1384, CT1387, CT1388, CT1389, CT1390, CT1391, CT1392, CT1393, CT1394, CT1395, CT1396, CT1397, CT1399, CT1403, CT1404, CT1443, CT1448, CT1449, CT1450, CT1451,	3801	Retain	Not within Project's contract works area	25 nos. of trees were confirmed not located within Project's contract works area in May 2021.	**Retain:** - 41 nos.

Tree ID(s)	Contract	Status as of end 2020	Status as of end 2021	Remarks	Impacts to Total Tree Number
CT1426, CT1427, CT1428, CT1429, CT1432, CT1433	3801	Retain	Not within Project's contract works area (as of May 2021);	6 nos. of trees were confirmed not located within Project's contract works area in May 2021.	
			To-be-felled	These 6 nos. of trees were further confirmed in May 2022 located within 3802 contract works area and status updated as to-be-felled for future demolition of SWPH-1 or site office compound set up.	
CT1515, CT1516, CT1517, CT1518, CT1519, CT1520, CT1521, CT1522, CT1523, CT1524	3801	Retain	Not within Project's contract works area (as of May 2021)	10 nos. of trees were confirmed not located within Project's contract works area in May 2021.	
			Fell	These 10 nos. of trees were further confirmed in May 2022 located within 3802 contract works area and felled for site office compound set up.	
CT1417	3801	Retain	Fell	1 no. of tree was removed due to safety concern of Airport Express Line (AEL) operation in May 2021.	**Retain:** - 1 no.
T1252, T1253, T1254, T1255, T1256, T1257, T1258, T1259, T1260, T1278, T1280	3503	Retain	Not within Project's contract works area	11 nos. of trees were confirmed not located within Project's contract works area in Jul 2021.	**Retain:** - 11 nos.
T4, T5, T6	3801	N/A	Retain	3 nos. of trees were newly added in the works area of this contract in Aug 2021.	**Retain:** + 3 nos.
CT1888	3801	Retain	Fell	1 no. of tree was handed over from Contract 3801 to Contract 3802 and was subsequently felled in Sep 2021 due to conflict with 3RS works.	**Retain:** - 1 no.
T1462, T1463, T1464, T1467	3508	Retain	Fell	4 nos. of trees were removed due to safety concern of Airport Express Line (AEL) operation in Oct 2021.	**Retain:** - 4 nos.
CT1843, CT1844, CT1845, CT1846, CT1847, CT1848, CT1849, CT1850, CT1851, CT1852, CT1853, CT1859, CT1860, CT1861, CT1862,	AAHK	Retain	Excluded from the Project	28 nos. of trees were handed over to AAHK. The trees were excluded from the Project.	**Retain:** - 28 nos.

Tree ID(s)	Contract	Status as of end 2020	Status as of end 2021	Remarks	Impacts to Total Tree Number
CT1865, CT1866, CT1867, CT1868, CT1869, CT1870, CT1871, CT1872, CT1873, CT1874, CT1876, CT1877, CT1878					
T3030, T3031	3508	Retain	To-be felled	2 nos. of trees were handed over from Contract 3503 to Contract 3508 and would be felled by Contract 3508 as planned.	**Retain:** - 5 nos.
T3189, T3191, T3194	3508	Retain	Fell	3 nos. of trees were handed over from Contract 3503 to Contract 3508 and confirmed they were felled by Contract 3508 in December 2022	

Furthermore, the total number of provisional retain trees of Contract 3508 has been reduced to 51 as compared to the 155 trees in the previous reporting period. The change in number was because 25 nos. of trees were handed over from AAHK to the Contractor and counted as existing trees under the contract, and 79 nos. trees were confirmed not within their works area.

A total of twelve trees under Contract 3508 (i.e. T1493, T1494, T1495, T1496, T1497, T1498, T1499, T1500, T1501, T1502, T1503, T1504) were transplanted during the reporting period. Therefore, the cumulative total number of transplanted trees of the Project has been increased from 14 in the previous reporting period to 26. Meanwhile, a total of three trees under Contract 3503 (i.e. T835, T836, T838) were transitioned from establishment period to long term management period during the reporting period.

The summary of transplanted trees updated in the reporting period is shown in **Table 2.24**. Photos of the transplanted trees are presented in **Table 2.25** and the locations of newly transplanted trees during the reporting period are presented in **Figure 2.10**.

Table 2.24: Summary of the Transplanted Trees in the Reporting Period

Tree ID	Transplant Date	Management Stage	Management Agency	Remarks
CT276	3 May 2018	Establishment period 4 May 2018 – May 2019	Contract 3801	NA
		Long Term Management period Jun 2019 – May 2028	Southern Landside Petrol Filling Station	
CT1253	4 May 2018	Establishment period 5 May 2018 – May 2019	Contract 3801	
		Long Term Management period Jun 2019 – May 2028	Southern Landside Petrol Filling Station	
T835	22 Jan 2020	Establishment period 23 Jan 2020 – Jan 2021	Contract 3503	NA
		Long Term Management period Feb 2021 – Jan 2030	AAHK	
T836	13 Dec 2019	Establishment period 14 Dec 2019 – Jan 2021	Contract 3503	NA

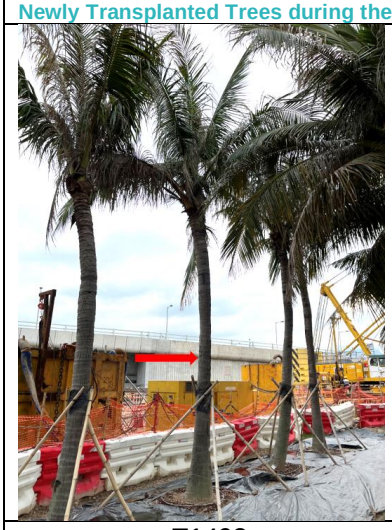
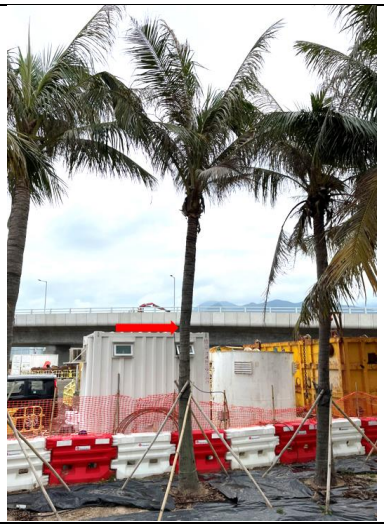
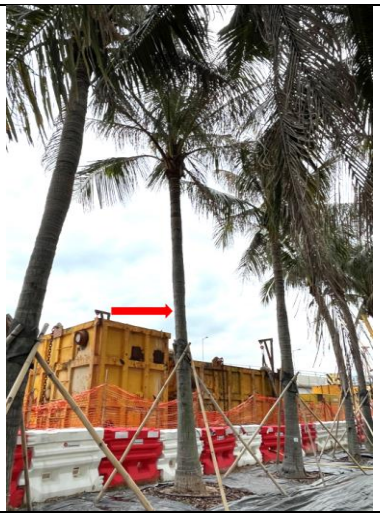
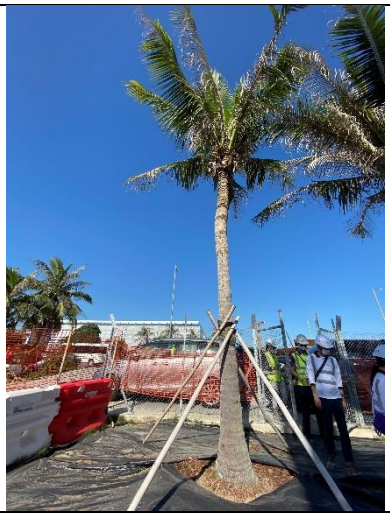
Tree ID	Transplant Date	Management Stage	Management Agency	Remarks
		Long Term Management period Feb 2021 – Jan 2030	AAHK	
T838	22 Jan 2020	Establishment period 23 Jan 2020 – Jan 2021	Contract 3503	NA
		Long Term Management period Feb 2021 – Jan 2030	AAHK	
T812	21 Dec 2020	Establishment period 22 Dec 2020 – Dec 2021	Contract 3503	NA
T814	20 Dec 2020	Establishment period 21 Dec 2020 – Dec 2021	Contract 3503	NA
T815	15 Dec 2020	Establishment period 16 Dec 2020 – Dec 2021	Contract 3503	NA
T829	18 Dec 2020	Establishment period 19 Dec 2020 – Dec 2021	Contract 3503	NA
T830	14 Dec 2020	Establishment period 15 Dec 2020 – Dec 2021	Contract 3503	NA
T831	19 Dec 2020	Establishment period 20 Dec 2020 – Dec 2021	Contract 3503	NA
CT1194	4 May 2018	Establishment period 5 May 2018 – May 2019	Contract 3801	NA
		Long Term Management period Jun 2019 – May 2028	Southern Landside Petrol Filling Station	Uprooted and collapsed due to Typhoon Higos on 18 August 2020. Tree removal was conducted as recommended by tree specialist of the contractor of Southern Landside Petrol Filing Station.
CT1794	3 May 2018	Establishment period 4 May 2018 – May 2019	Contract 3801	NA
		Long Term Management period Jun 2019 – May 2028	AsiaWorld-Expo	The tree within the land parcel was acquired by the government for construction of emergency hospital to handle COVID19 pandemic at AsiaWorld-Expo. The tree was felled in late 2020.
CT1795	3 May 2018	Establishment period 4 May 2018 – May 2019	Contract 3801	NA
		Long Term Management period Jun 2019 – May 2028	AsiaWorld-Expo	The tree within the land parcel was acquired by the government for construction of emergency hospital to handle COVID19 pandemic at AsiaWorld-Expo. The tree was felled in late 2020.
Newly Transplanted Trees during the Reporting Period				
T1493	6 Jul 2021	Establishment period 7 Jul 2021 – Jul 2022	Contract 3508	Original Site: East Coast Road Recipient Location: East Coast Road
T1494	6 Jul 2021	Establishment period 7 Jul 2021 – Jul 2022	Contract 3508	
T1495	10 Jul 2021	Establishment period 11 Jul 2021 – Jul 2022	Contract 3508	
T1496	5 Jul 2021	Establishment period 6 Jul 2021 – Jul 2022	Contract 3508	
T1497	5 Jul 2021	Establishment period 6 Jul 2021 – Jul 2022	Contract 3508	
T1498	29 Jun 2021	Establishment period 30 Jun 2021 – Jul 2022	Contract 3508	
T1499	29 Jun 2021	Establishment period 30 Jun 2021 – Jul 2022	Contract 3508	

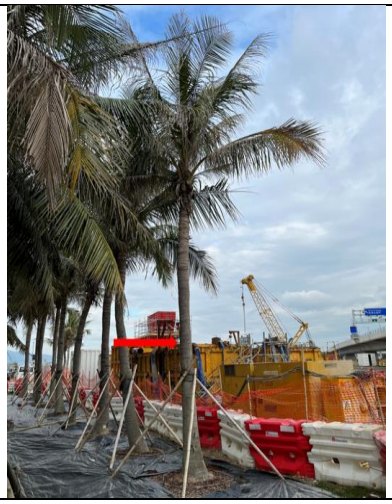
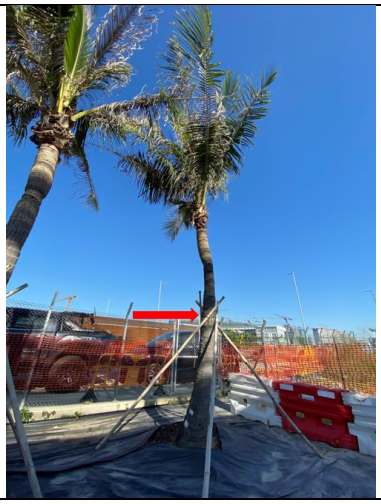
Tree ID	Transplant Date	Management Stage	Management Agency	Remarks
T1500	30 Jun 2021	Establishment period 1 Jul 2021 – Jul 2022	Contract 3508	
T1501	30 Jun 2021	Establishment period 1 Jul 2021 – Jul 2022	Contract 3508	
T1502	5 Jul 2021	Establishment period 6 Jul 2021 – Jul 2022	Contract 3508	
T1503	6 Jul 2021	Establishment period 7 Jul 2021 – Jul 2022	Contract 3508	
T1504	24 Jun 2021	Establishment period 25 Jun 2021 – Jul 2022	Contract 3508	

Table 2.25: Photos of the Existing Transplanted Trees in the Reporting Period

Under 12-month Establishment Period:		
		
T812	T814	T815
		
T829	T830	T831

Newly Transplanted Trees during the Reporting Period

		
T1493	T1494	T1495
		
T1496	T1497	T1498
		
T1499	T1500	T1501

		
T1502	T1503	T1504

Under 10-year Long-term Management (Feb 2021 to Jan 2030):		
		
T835	T836	T838

Under 10-year Long-term Management (Jun 2019 to May 2028):	
	
T276	T1253

2.8 Environmental Site Inspection

Site inspections of the construction works were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures for the Project. Bi-weekly site inspections were also conducted by the IEC. Besides, *ad-hoc* site inspections were conducted by ET and IEC if environmental problems were identified, or subsequent to receipt of an environmental complaint, or as part of the investigation work. These site inspections provided a direct means to reinforce the specified environmental protection requirements and pollution control measures in construction sites.

During site inspections, environmental situation, status of implementation of pollution control and mitigation measures were observed both within the site area as well as outside the project sites which was likely to be affected, directly or indirectly, by the site activities. Environmental documents and site records, including waste disposal record, maintenance record of environmental equipment, and relevant environmental permit and licences, were also checked on site. Observations were recorded in the site inspection checklist and passed to the contractor together with the appropriate recommended mitigation measures where necessary in order to advise contractors on environmental improvement, awareness and on-site enhancement measures. The observations were made with reference to the following information during the site inspections:

- The EIA and EM&A requirements;
- Relevant environmental protection laws, guidelines, and practice notes;
- The EP conditions and other submissions under the EP;
- Monitoring results of EM&A programme;
- Works progress and programme;
- Proposal of individual works;
- Contract specifications on environmental protection; and
- Previous site inspection results.

Good site practices were observed in site inspections during the reporting period. Advice was given when necessary to ensure the construction workforce were familiar with relevant procedures, and to maintain good environmental performance on site. Regular toolbox talks on environmental issues were organized for the construction workforce by the contractors to ensure understanding and proper implementation of environmental protection and pollution control mitigation measures. Environmental briefings on EP and EM&A requirements were also provided to the new contracts by ET.

Summary of implementation status of the environmental mitigation measures for the construction phase of the Project during the reporting period is provided in **Appendix C**.

2.9 Audit of the SkyPier High Speed Ferries

The Marine Travel Routes and Management Plan for High Speed Ferries of SkyPier (the SkyPier Plan) was submitted to the Advisory Council on the Environment (ACE) for comment and subsequently submitted to and approved by EPD in November 2015 under EP Condition 2.10. The approved SkyPier Plan is available on the dedicated website of the Project. In the SkyPier Plan, AAHK has committed to implementing the mitigation measure of requiring HSFs of SkyPier travelling between HKIA and Zhuhai / Macau to start diverting the route with associated speed control across the area, i.e. SCZ, with high CWD abundance. The route diversion and speed restriction at the SCZ have been implemented since 28 December 2015. The IEC has also performed audit on the compliance of the requirements as part of the EM&A programme. The latest summary of key audit findings in the reporting period is presented in **Table 2.26**.

According to the approved SkyPier Plan, dolphin habitat index has been reviewed in the reporting period based on findings of the AFCD's marine mammals monitoring report 2020-21 and historical

dolphin density records. Grids for dolphin hotspot remained largely unchanged, thus the HSF route diversion arrangement remained unchanged.

Due to the COVID-19 pandemic, all SkyPier HSF services to/from Zhuhai and Macau have been suspended from 25 March 2020 until further notice. Limited HSF services from other destination, which does not require the use of the diverted route, were provided starting from 28 October 2020.

No HSF movement between HKIA SkyPier to/from Zhuhai and Macau was recorded in the reporting period. The daily movements of all SkyPier HSFs in the reporting period, including those not using the diverted route, ranged between 1 and 11, which falls within the maximum daily cap number of 125. The annual daily average of all SkyPier HSF movements in the reporting period was 3.7, which falls within the annual daily average cap of 99 SkyPier HSF movements.

The construction works of the Hong Kong Offshore LNG Terminal Project were carried out from Q3 to Q4 2021. However, there was no implication to the route diversion operation of the SkyPier HSFs since all SkyPier HSF services to /from Zhuhai and Macau were suspended. ET will continue to closely monitor the implementation of the SkyPier Plan.

Table 2.26: Summary of Key Audit Findings against the SkyPier Plan

Requirements in the SkyPier Plan	Jan -21	Feb -21	Mar -21	Apr -21	May-21	Jun -21	Jul-21	Aug -21	Sep -21	Oct -21	Nov -21	Dec -21
Total number of HSF movements recorded and audited for HSF to/from Zhuhai and Macau	0	0	0	0	0	0	0	0	0	0	0	0
Use diverted route and enter / leave SCZ through Gate Access Points	0	0	0	0	0	0	0	0	0	0	0	0
No. of SkyPier HSFs in compliance with Average Speed within 15 knots in SCZ	0	0	0	0	0	0	0	0	0	0	0	0
Range of Daily Movement (including all SkyPier HSFs)	2-3	1-3	2-4	2-3	2-3	2-3	2-3	5-11	9-11	1-7	3-4	2-4

Source: Excerpted from Monthly and Quarterly EM&A Reports

2.10 Audit of the Construction and Associated Vessels

The audit of construction and associated vessels in accordance with the Marine Travel Route and Management Plan for Construction and Associated Vessel (MTRMP-CAV)has started since August 2016. ET has audited relevant information including AIS data, vessel tracks and other relevant records provided by the contractors to ensure that the contractors were fully complied with the requirements of the MTRMP-CAV. The Maritime Surveillance System (MSS) was launched in March 2017. The MSS automatically recorded deviation cases such as speeding, entering no entry zone, and not travelling through designated gates. ET conducted checking to ensure the MSS records all deviation cases accurately. The 3-month rolling programme submitted by contractors for construction vessel activities were also checked every month to ensure the logistic of construction vessels were well planned to achieve a practicable minimum. The IEC has also performed audit on the compliance of the requirements as part of the EM&A programme.

A total of 21 skipper training workshops were held by ET during the reporting period with 102 concerned captains of construction vessels associated with the 3RS contracts to familiarise them

with the predefined routes, general education on local cetaceans, guidelines for avoiding adverse water quality impact, the required environmental practices / measures while operating construction and associated vessels under the Project, and guidelines for operating vessels safely in the presence of CWDs. Another 43 skipper training workshops were held with 86 captains by contractors' Environmental Officers and competency tests were conducted subsequently with the trained captains by ET. In addition, ET participated Marine Management Liaison Group meetings to assist and resolve any marine issues which might be encountered under the Project.

2.11 External Stakeholder Engagement

In accordance with the EP's requirements of setting up Community and Professional Liaison Groups, the AAHK has been continuing to proactively reach out to a wide spectrum of external stakeholders to update them on the environmental aspects of the Project and to seek their insights and views. In view of the COVID-19 pandemic, face-to-face meetings with the local community, relevant professional and green groups could not be arranged during the reporting period.

2.11.1 Community Liaison Groups

In order to enhance communication with the community in a proactive way, five Community Liaison Groups (CLGs) were set up in 2012 in the neighbouring districts of HKIA, namely Islands, Kwai Tsing, Shatin, Tsuen Wan and Tuen Mun. The CLGs are comprehensive platforms for the AAHK to update the community leaders about the detailed design, progress of construction and operation, and environmental monitoring and audit results of the Project, and listen to their views on various topics related to HKIA and the Project, including environmental matters. The AAHK also leverages on the CLGs to exchange views with the community on the latest airport developments, hence enhancing airport services and helping to contribute to the betterment of these districts. The CLGs have a total of about 120 members involving district councillors and community leaders. In view of the COVID-19 pandemic, face-to-face meetings could not be arranged during the reporting period.

2.11.2 Professional Liaison Group and Green Non-Governmental Organizations

The Professional Liaison Group, comprising 18 members of relevant professionals and experts, was set up to enhance transparency and communication, as well as enquiries and complaints-handling on all environmental issues related to the Project; and to promote community cooperation and participation and implementation of suitable local environmental enhancement works that are included in the Environmental Permit. In view of the COVID-19 pandemic, face-to-face meetings could not be arranged during the reporting period.

Roundtable meetings with Green Non-Governmental Organizations (NGOs) were proactively arranged to facilitate exchanges on environmental issues related to the Project. Updates of the Project, including environmental monitoring and audit results and details on the implementation of environmental enhancement measures were shared with the participants. In view of the COVID-19 pandemic, face-to-face meetings could not be arranged during the reporting period.

2.11.3 Other Stakeholders

To encourage two-way communications with stakeholders and the community, a dedicated telephone hotline and email has been set up since December 2015. Seven enquiries were received via the hotline, and five enquiries were received via the dedicated email during the reporting period. The enquiries were followed up and responded by AAHK.

2.12 Review of the Key Assumptions Adopted in the EIA Report

With reference to Appendix E of the Manual, it is noted that the key assumptions adopted in approved EIA report for the construction phase are still valid and no major changes are involved.

The environmental mitigation measures recommended in the approved EIA Report remain applicable and shall be implemented in undertaking construction works for the Project.

2.13 Key Environmental Issues for the Coming Reporting Period

The key environmental issues for the Project in the coming reporting period are expected to be associated with construction activities including:

- Generation of dust from construction works and stockpiles;
- Noise from operating equipment and machinery on-site;
- Generation of site surface runoffs and wastewater from activities on-site;
- Water quality from DCM works and marine filling;
- DEZ monitoring for ground improvement works (DCM works) and seawall construction;
- Implementation of MMWP for silt curtain deployment;
- Sorting, recycling, storage and disposal of general refuse and construction waste;
- Reuse of treated marine sediments from piling and excavation works;
- Management of chemicals and avoidance of oil spillage on-site; and
- Acoustic decoupling measures for equipment on marine vessels.

The implementation of required mitigation measures by the contractors will be monitored by the ET.

3 Report on Non-compliance, Complaints, Notifications of Summons and Prosecutions

3.1 Compliance with Other Statutory Environmental Requirements

During the reporting period, environmental related licenses and permits required for the construction activities were checked. No non-compliance with environmental statutory requirements was recorded.

3.2 Analysis and Interpretation of Complaints, Notification of Summons and Status of Prosecutions

3.2.1 Complaints

Twenty environmental complaints were received in the reporting period. The environmental complaints were attended to and investigations were conducted by the ET in accordance with the Manual and the Complaint Management Plan. The summary of the complaints and analysis is presented in **Appendix G**.

3.2.2 Notifications of Summons or Status of Prosecution

A contractor reported in October 2021 that they had pleaded guilty in court and was fined by the court regarding summonses as laid by EPD upon a dust control emission incident for reclamation works in April 2021 contravening the Air Pollution Control Ordinance Cap. 311.

3.3 Cumulative Statistics

Cumulative statistics on exceedance, non-compliance, complaints, notifications of summons and status of prosecutions are summarized in **Appendix G**.

4 Conclusion and Recommendation

In the reporting period from 1 January 2021 to 31 December 2021, the EM&A programme has been implemented in accordance with the Manual of the Project. The EM&A works carried out during the reporting period include construction dust and noise measurements, water quality monitoring, vessel line-transect surveys, land-based theodolite tracking surveys supplemented with passive acoustic monitoring for CWD monitoring, waste monitoring, as well as environmental site inspections and landscape and visual monitoring for the Project's construction works.

For construction noise, one monitoring result of construction noise triggered the relevant Limit Level, and the corresponding investigation was conducted as stipulated in the EM&A programme. The investigation findings concluded that the case was not due to the Project.

For water quality, the monitoring results for turbidity, total alkalinity and nickel obtained in the reporting period complied with the corresponding Action and Limit Levels stipulated in the EM&A programme. Relevant investigation and follow-up procedures were conducted according to the EM&A programme if the corresponding Action and Limit Levels were triggered. For DO, SS and chromium, some of the monitoring results triggered the relevant Action or Limit Levels in the reporting period, and the corresponding investigations were conducted accordingly. The investigation findings concluded that the cases were not related to the Project. To conclude, the construction activities in the reporting period did not introduce adverse impact to all water quality sensitive receivers.

The monitoring results in relation to the construction dust, waste, and CWD did not trigger their corresponding Action or Limit Levels during the reporting period.

A total of 5,368.2 km survey effort was conducted for the vessel line-transect monitoring for CWD during the 12-month monitoring period. A total of 151 groups of 493 CWDs were sighted in NWL, WL and SWL survey areas. No CWDs were recorded in NEL survey area. The combined encounter rates by number of dolphin sightings and by number of dolphins were 3.14 and 10.38 respectively. No triggering of Action and Limit Levels for encounter rates were recorded during the construction phase during 2021. Overall abundance of CWD in Hong Kong western waters was estimated at 34 dolphins in 2021 from line-transect analysis. CWD relative occurrence from land-based surveys around Lung Kwu Chau peaked in January, with fewer sightings during summer. Waters off Lung Kwu Chau continue to be habitat used primarily for travelling, foraging, and milling. Passive acoustic monitoring provides evidence that dolphins continued using the area around south of Sha Chau in 2021. The acoustic data also showed consistently higher levels of dolphin clicking activity at night compared with daytime, which may be indicative of foraging and concomitant use of echolocation by dolphins during hours of darkness.

No HSF movement between HKIA SkyPier and Zhuhai and Macau was recorded in the reporting period. The daily movements of all SkyPier HSFs in the reporting period, including those not using the diverted route, ranged between 1 and 11, which falls within the maximum daily cap number of 125. The annual daily average of all SkyPier HSF movements in the reporting period was 3.7, which falls within the annual daily average cap of 99 SkyPier HSF movements.

The audit of construction and associated vessels has started since August 2016. ET has conducted audit to ensure that the contractors were fully complied with the requirements of the MTRMP-CAV. The MSS was launched in March 2017. The MSS automatically recorded the deviation case such as speeding, entering no entry zone, not travelling through the designated gate. ET conducted checking to ensure the MSS records all deviation cases accurately. A total of 21 skipper training workshops were conducted by the ET during the reporting period with captains of construction vessels associated with 3RS contracts. Another 43 skipper training workshops

were held by contractors' Environmental Officers and competency tests were conducted subsequently with the trained captains by ET.

On the implementation of MMWP, silt curtains were in place by the contractors for marine filling and bored piling works and dolphin observers were deployed in accordance with the MMWP. On the implementation of DEZ Plan, dolphin observers were deployed by the contractors for continuous monitoring of the DEZ for DCM works, seawall construction and marine bored piling for approach lights in accordance with the DEZ Plan. Trainings for the dolphin observers on the implementation of MMWP and DEZ monitoring were provided by the ET prior to the aforementioned works. From the contractors' MMWP observation records, no dolphins or other marine mammals were observed within or around the silt curtains during the reporting period. As for DEZ monitoring records, no dolphins or other marine mammals were observed within the DEZs in this reporting period. Audits of acoustic decoupling for construction vessels were also carried out by the ET during weekly site inspections.

External stakeholder engagement activities including setting up of a dedicated project website for the general public, organising of media workshop, and visit to the marine work site etc., were made available to update them on the environmental aspects of the Project and ensure transparent and engaging communication. Yet in view of the COVID-19 pandemic, face-to-face meetings with the local community, relevant professional and green groups could not be arranged during the reporting period.

Overall, the recommended environmental mitigation measures, as included in the EM&A programme, have been effectively implemented during the reporting period. Also, the EM&A programme implemented by the ET has effectively monitored the construction activities and ensure the proper implementation of mitigation measures.

Figures

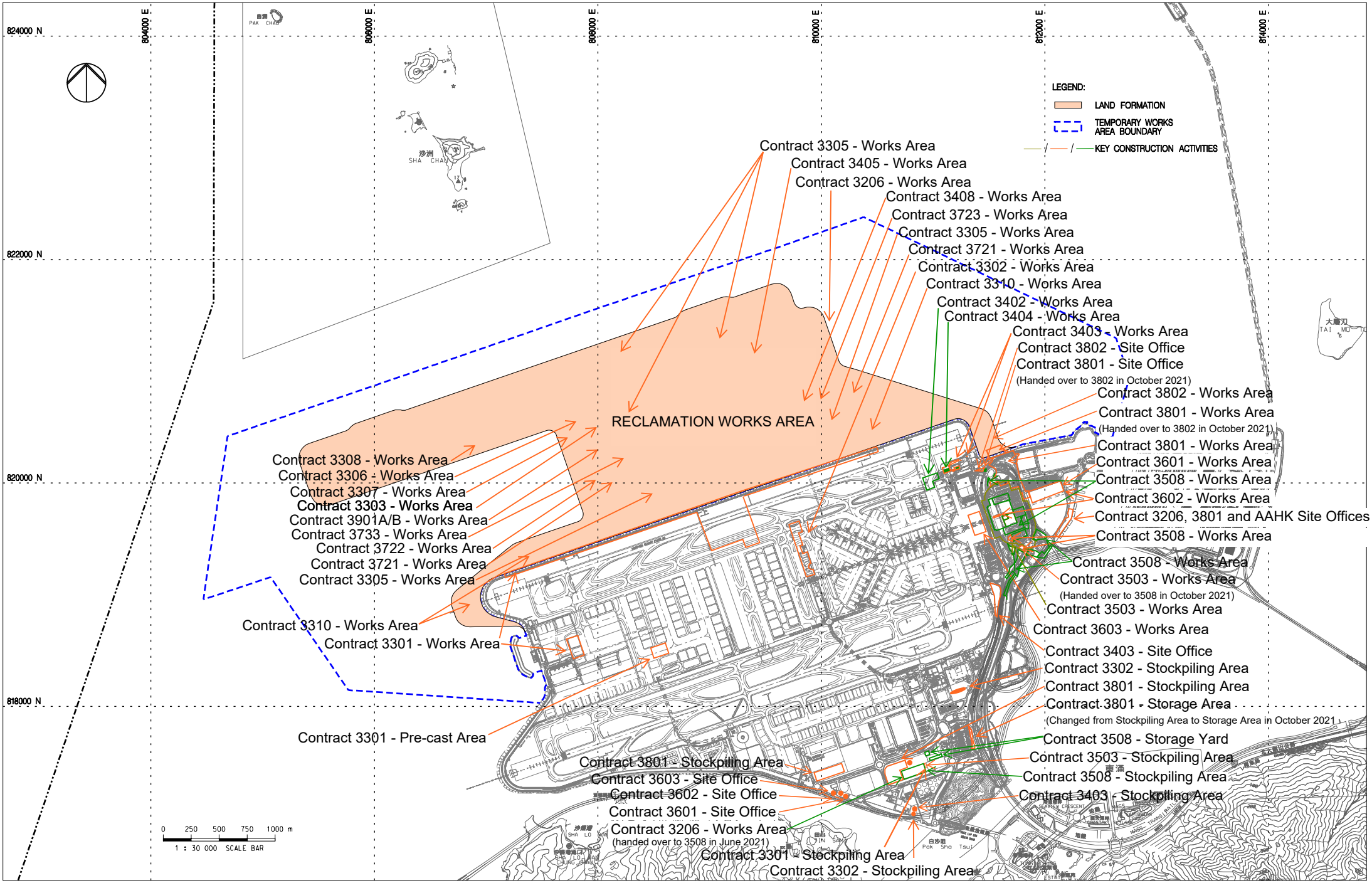
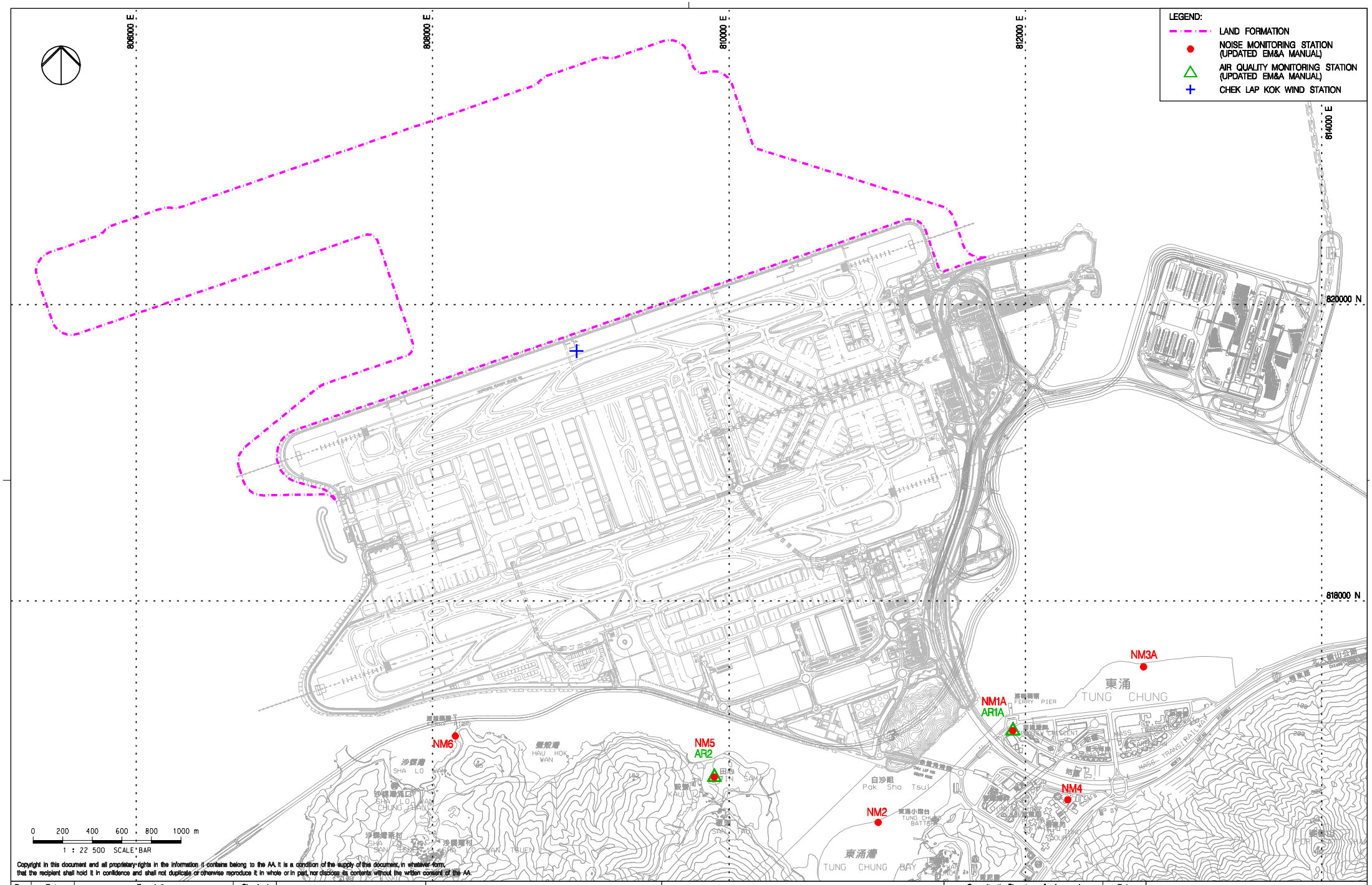


FIGURE 1.1 LOCATIONS OF KEY CONSTRUCTION ACTIVITIES

Note: The locations are for indicative purpose. The actual construction work locations are in accordnace with the construction work programme.



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Rev.	Date	Description	Checked
A	06JAN16	FIRST ISSUE	RO
B	29JAN16	GENERAL REVISION	RO
C	11FEB16	GENERAL REVISION	RO
D	29OCT18	GENERAL REVISION	SH

香港國際機場 HONG KONG INTERNATIONAL AIRPORT

MOTT MACDONALD

Title

LOCATIONS OF AIR AND NOISE MONITORING STATIONS AND CHEK LAP KOK WIND STATION

Consultant's Signatures for Approval		Date
Design	TK	29OCT18
Checkers	TK	29OCT18
Approver	EC	29OCT18

EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO A THREE-RUNWAY SYSTEM

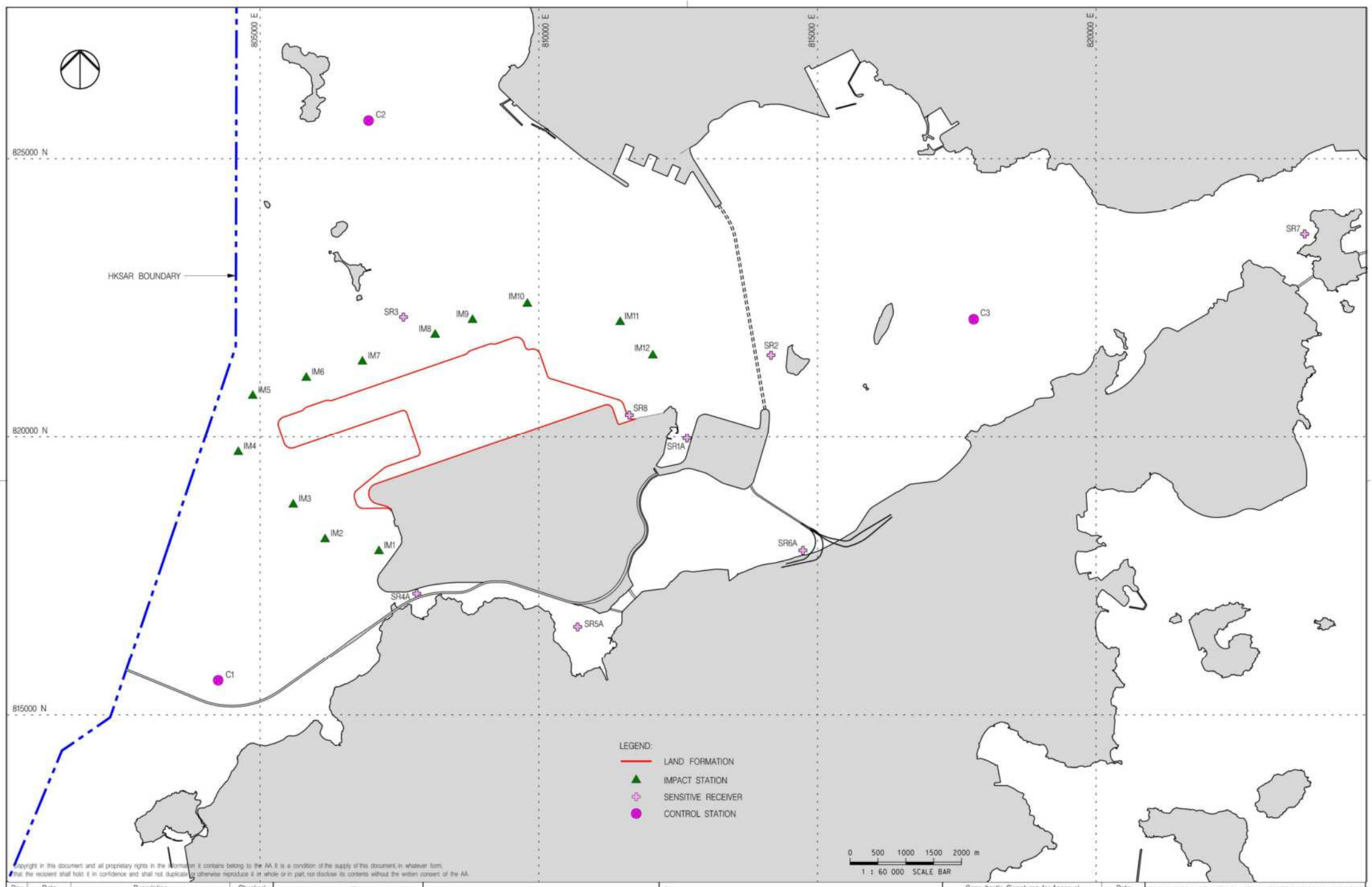
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FIGURE 2.1

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香港國際機場 HONG KONG INTERNATIONAL AIRPORT

MOTT MACDONALD

Title

WATER QUALITY MONITORING STATIONS

Consultant's Signatures for Approval		Date
Design	DC	21AUG19
Checkers	DC / TK	21AUG19
Approver	EC	21AUG19

EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO A THREE-RUNWAY SYSTEM

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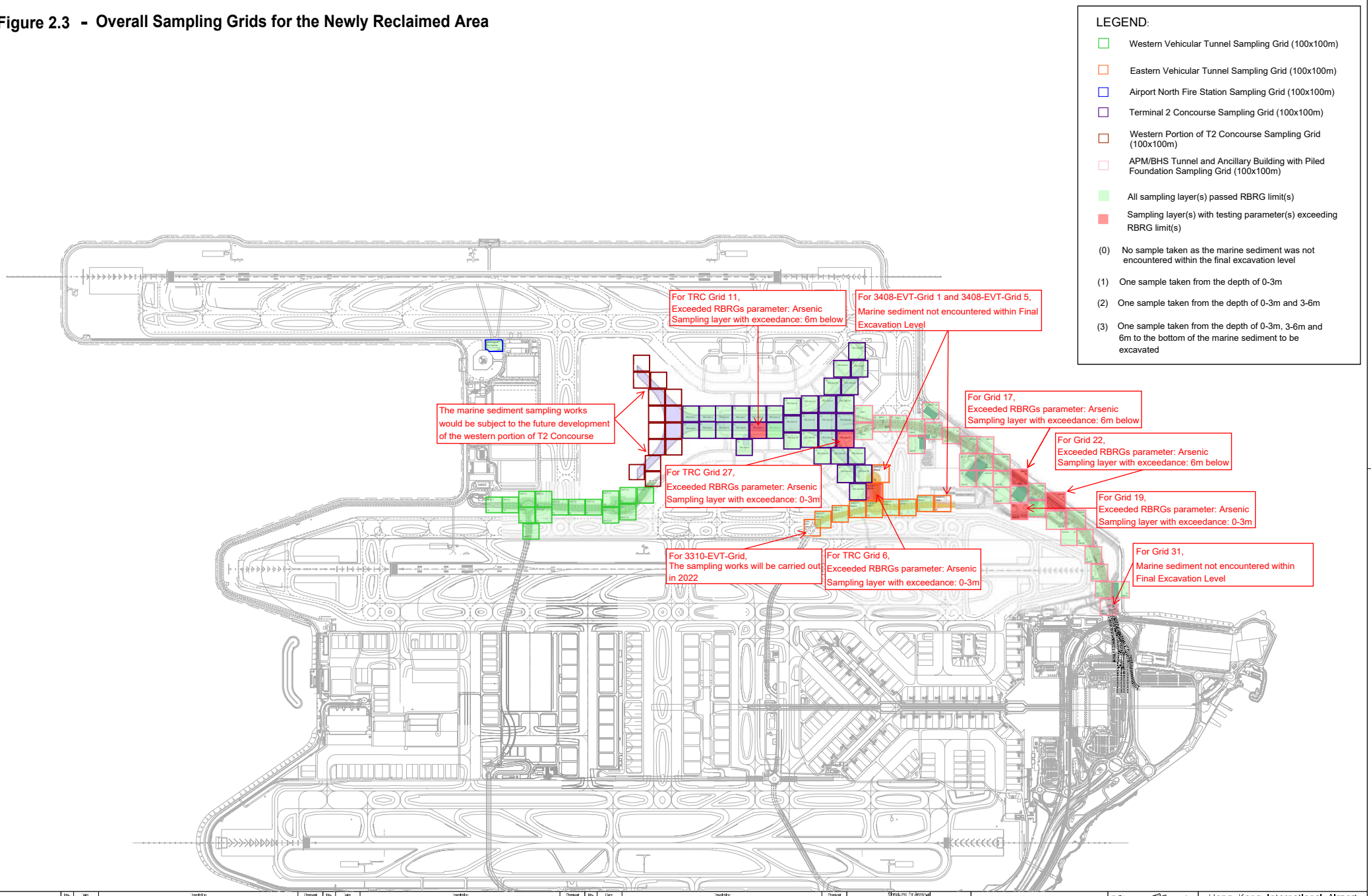
FIGURE 2.2

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Rev. A

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Figure 2.3 - Overall Sampling Grids for the Newly Reclaimed Area

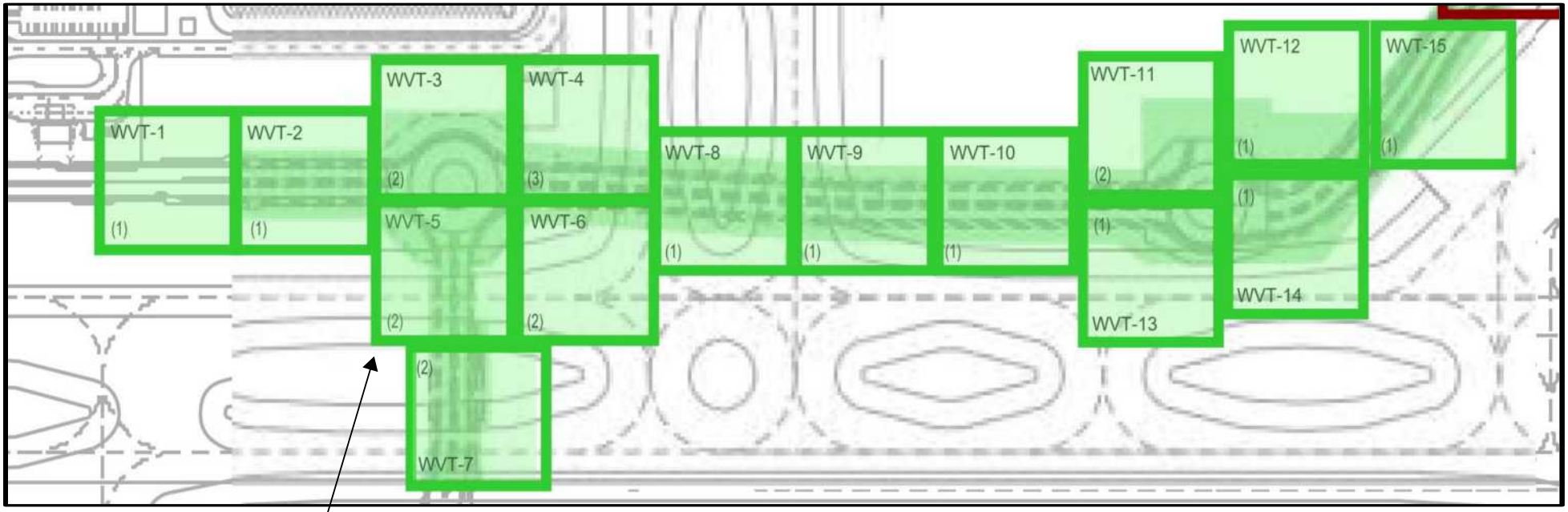


Hong Kong International Airport

FIGURE 2.3

Figure 2.3a - Zoom in Layout of Sampling Grid for Western Vehicular Tunnel

Zoom in



Western Vehicular Tunnel Sampling Grid (100x100m)

Total number of sampling grids: 15
Total number of grid with RBRG exceedances: 0

LEGEND:

Western Vehicular Tunnel Sampling Grid (100x100m)

All sampling layer(s) passed RBRG limit(s)

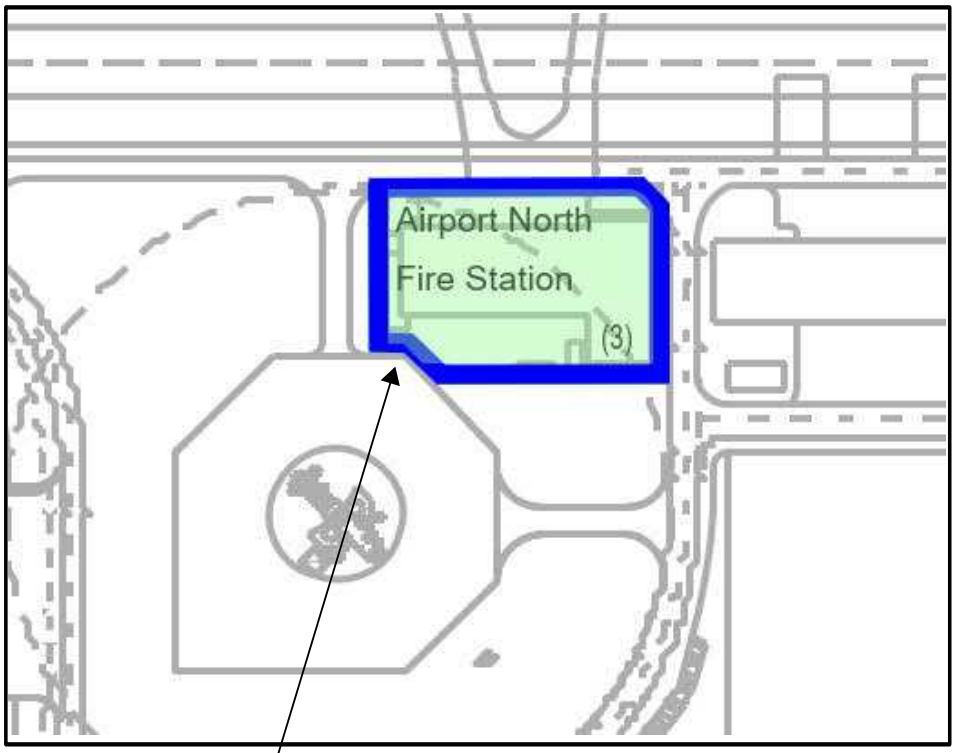
(1) One sample taken from the depth of 0-3m

(2) One sample taken from the depth of 0-3m and 3-6m

(3) One sample taken from the depth of 0-3m, 3-6m and 6m to the bottom of the marine sediment to be excavated

Figure 2.3b - Zoom in Layout of Sampling Grid for Airport North Fire Station

Zoom in



Airport North Fire Station Sampling Grid (100x100m)

Total number of sampling grid: 1
Total number of grid with RBRG exceedances: 0

LEGEND:

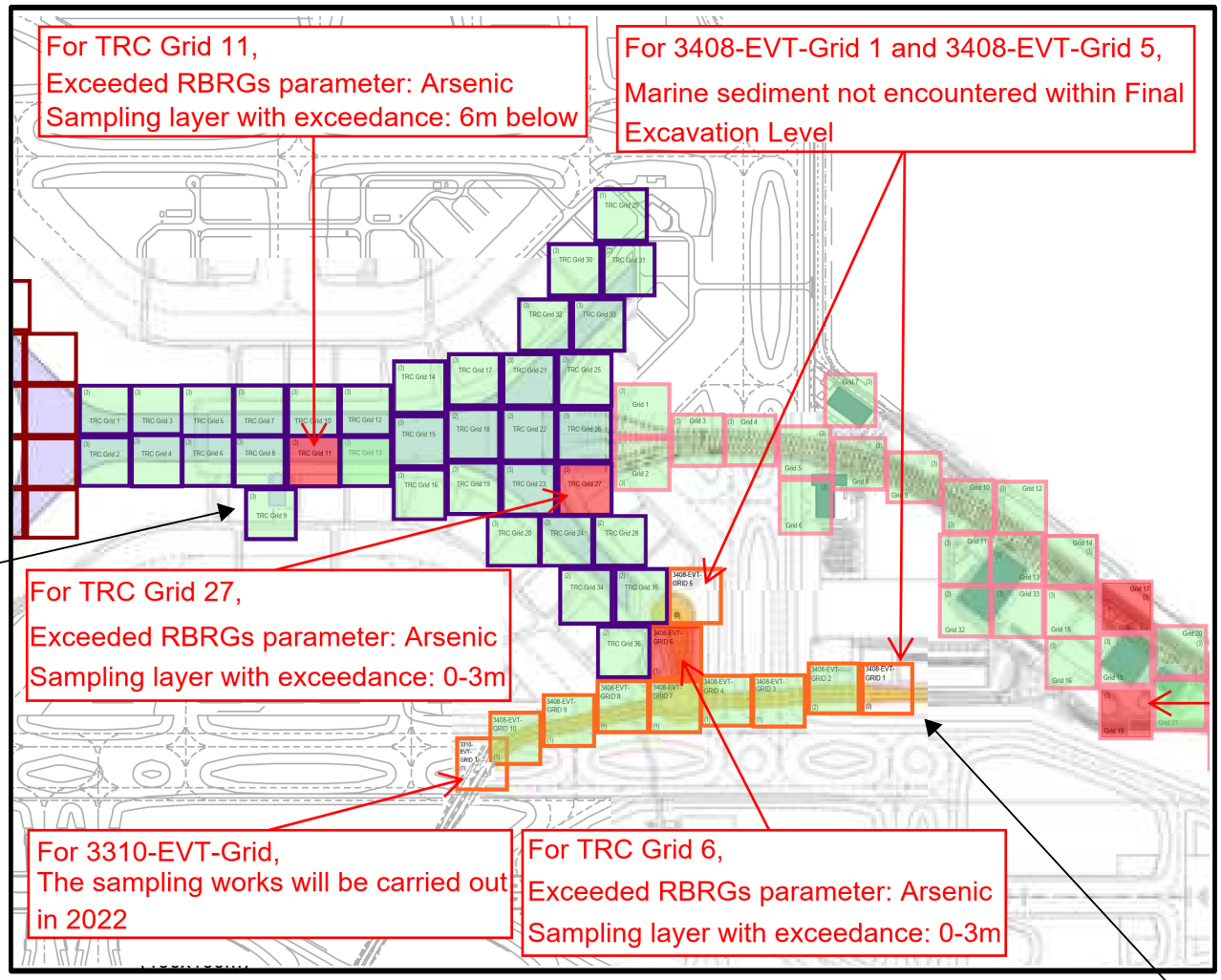
Airport North Fire Station Sampling Grid (100x100m)

All sampling layer(s) passed RBRG limit(s)

(3) One sample taken from the depth of 0-3m, 3-6m and 6m to the bottom of the marine sediment to be excavated

Figure 2.3c - Zoom in Layout of Sampling Grid for Terminal 2 Concourse and Eastern Vehicular Tunnel

Zoom in



Terminal 2 Concourse Sampling Grid (100x100m)

Total number of sampling grids:36
Total number of grids with RBRG exceedances: 2
Exceeded RBRGs parameter: Arsenic

LEGEND:

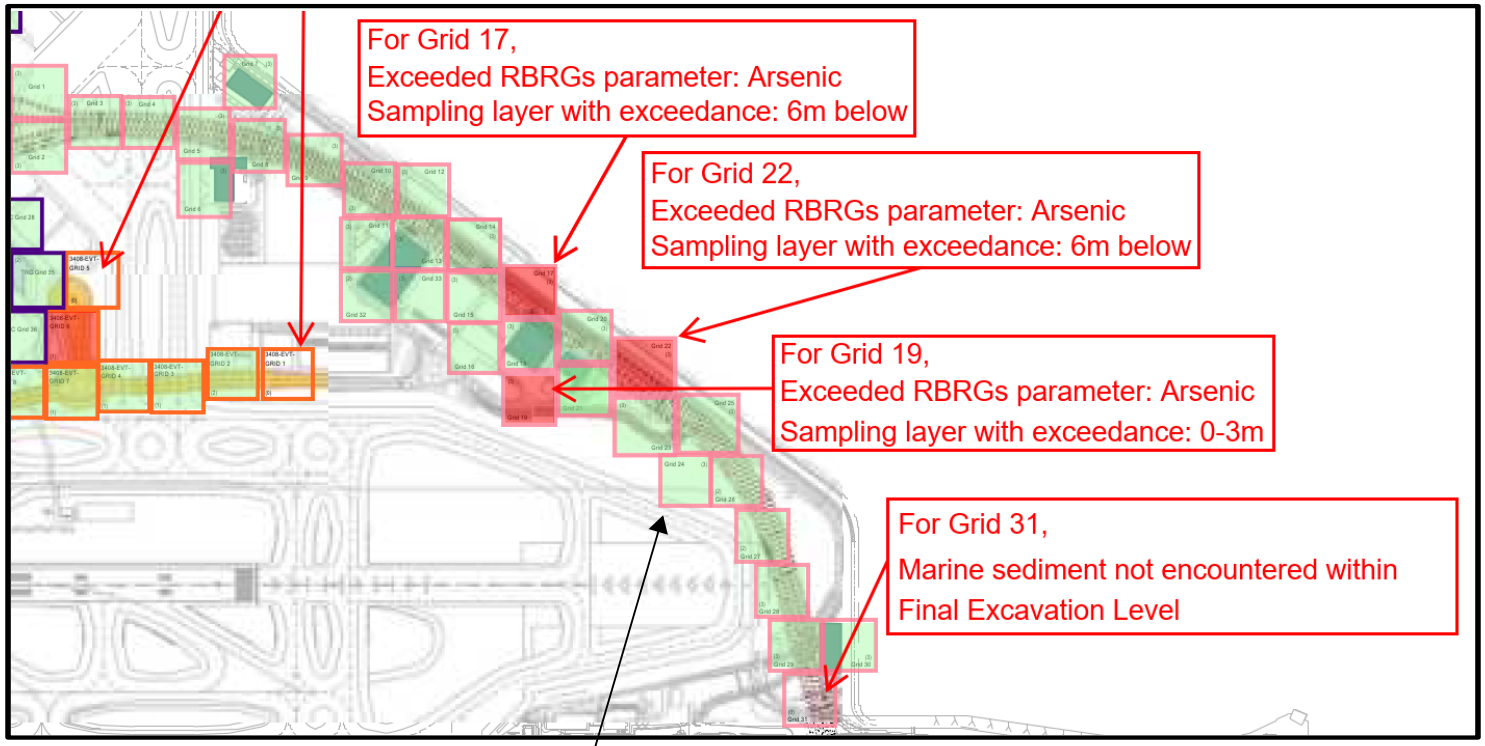
- Terminal 2 Concourse Sampling Grid (100x100m)
- Eastern Vehicular Tunnel Sampling Grid (100x100m)
- All sampling layer(s) passed RBRG limit(s)
- Sampling layer(s) with testing parameter(s) exceeding RBRG limit(s)
- (0) No sample taken as the marine sediment was not encountered within the final excavation level
- (1) One sample taken from the depth of 0-3m
- (2) One sample taken from the depth of 0-3m and 3-6m
- (3) One sample taken from the depth of 0-3m, 3-6m and 6m to the bottom of the marine sediment to be excavated

Eastern Vehicular Tunnel Sampling Grid (100x100m)

Total number of sampling grids: 11
Total number of grids with RBRG exceedances: 1
Exceeded RBRGs parameter: Arsenic
Total number of grids where marine sediment not encountered within final excavation level: 2
Total number of grid to be sampled in future reporting period: 1

Figure 2.3d - Zoom in Layout of Sampling Grid for APM/BHS Tunnel and Ancillary Building with Piled Foundation

Zoom in



APM/BHS Tunnel and Ancillary Building with Piled Foundation Sampling Grid (100x100m)

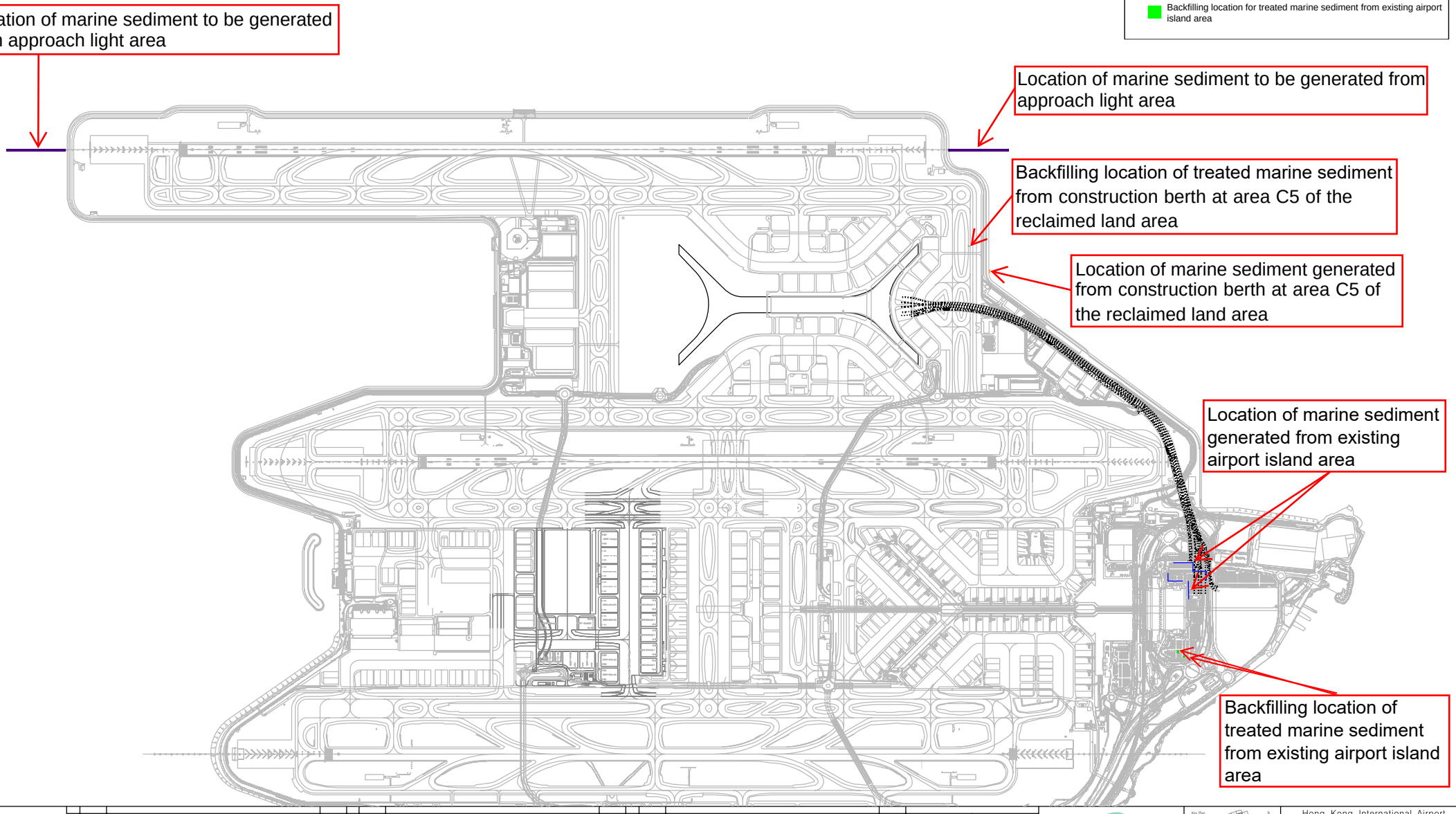
Total number of sampling grids: 33
Total number of grid with RBRG exceedances: 3
Exceeded RBRGs parameter: Arsenic
Total number of grids where marine sediment not encountered within final excavation level: 1

LEGEND:

- APM/BHS Tunnel and Ancillary Building with Piled Foundation Sampling Grid (100x100m)
- All sampling layer(s) passed RBRG limit(s)
- Sampling layer(s) with testing parameter(s) exceeding RBRG limit(s)
- (0) No sample taken as the marine sediment was not encountered within the final excavation level
- (2) One sample taken from the depth of 0-3m and 3-6m
- (3) One sample taken from the depth of 0-3m, 3-6m and 6m to the bottom of the marine sediment to be excavated

LEGEND:

- Location for marine sediment to be generated from approach light area
- Location for marine sediment generated from construction berth at area C5 of the reclaimed land area
- Backfilling location for treated marine sediment from construction berth at area C5 of the reclaimed land area
- Location for marine sediment generated from existing airport island area
- Backfilling location for treated marine sediment from existing airport island area



香港國際機場 HONG KONG INTERNATIONAL AIRPORT

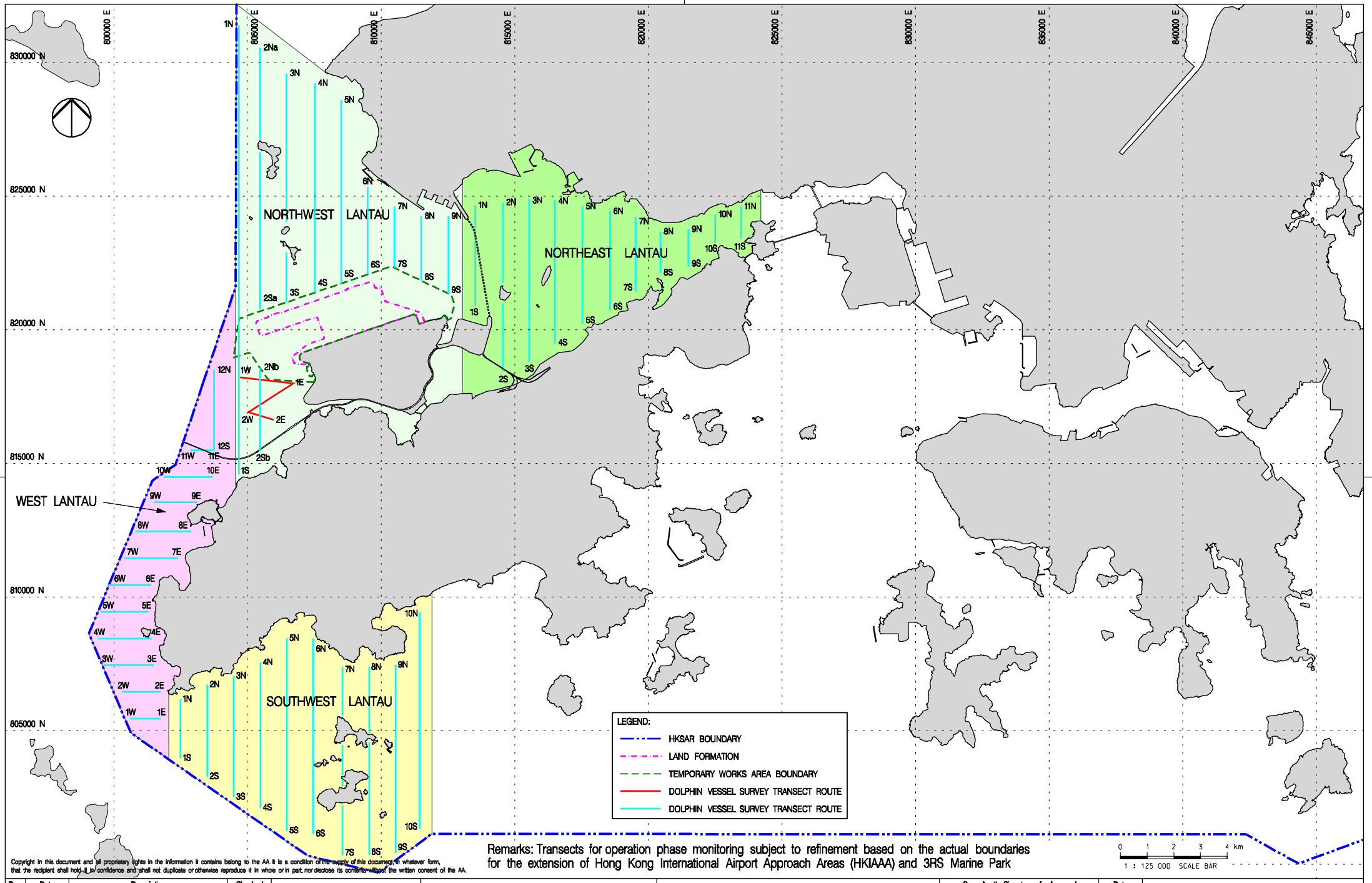
Hong Kong International Airport

Marine Sediment Management - Areas without Ground Improvement Works by Deep Cement Mixing

Scale: 1 : 7000 (in A0)

Size: XXXX

Figure 2.4



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Remarks: Transects for operation phase monitoring subject to refinement based on the actual boundaries for the extension of Hong Kong International Airport Approach Areas (HKIAAA) and 3RS Marine Park

Rev.	Date	Description	Checked
B	27JUL16	GENERAL REVISION	JT
C	06FEB17	GENERAL REVISION	JT
D	01MAR17	GENERAL REVISION	JT
E	29OCT18	GENERAL REVISION	SH
F	04APR19	GENERAL REVISION	SH

香港國際機場 HONG KONG INTERNATIONAL AIRPORT

MOTT MACDONALD

Title

VESSEL BASED DOLPHIN MONITORING TRANSECTS IN CONSTRUCTION, POST-CONSTRUCTION AND OPERATION PHASES

Consultant's Signatures for Approval		Date
Design	JC	04APR19
Checkers	JC / TK	04APR19
Approver	EC	04APR19

EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO A THREE-RUNWAY SYSTEM

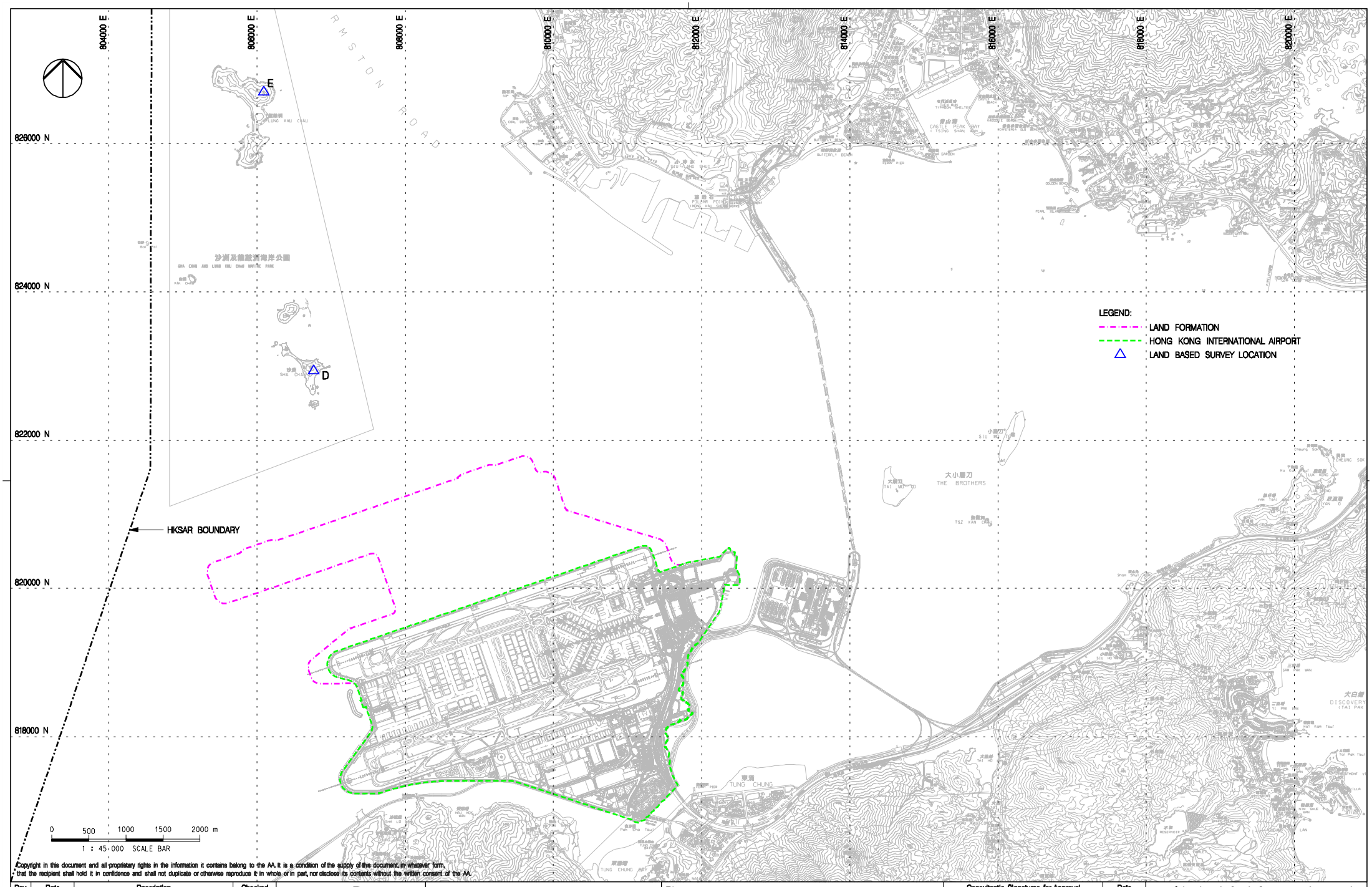
Drawing No.

FIGURE 2.5

Scale at A3 1 : 125000

Rev. F

Filename: J:\355482\REPORT\ENV\EMA\190404\FIG 6.1.dgn



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Rev.	Date	Description	Checked
A	02DEC15	FIRST ISSUE	JC
B	06FEB17	GENERAL REVISION	JC
C	29OCT18	GENERAL REVISION	SH

香港國際機場 HONG KONG INTERNATIONAL AIRPORT

MOTT MACDONALD

Title

LAND BASED DOLPHIN MONITORING IN BASELINE AND CONSTRUCTION PHASES

Consultant's Signatures for Approval		Date
Design	JC	29OCT18
Checkers	JC / TK	29OCT18
Approver	EC	29OCT18

EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO A THREE-RUNWAY SYSTEM

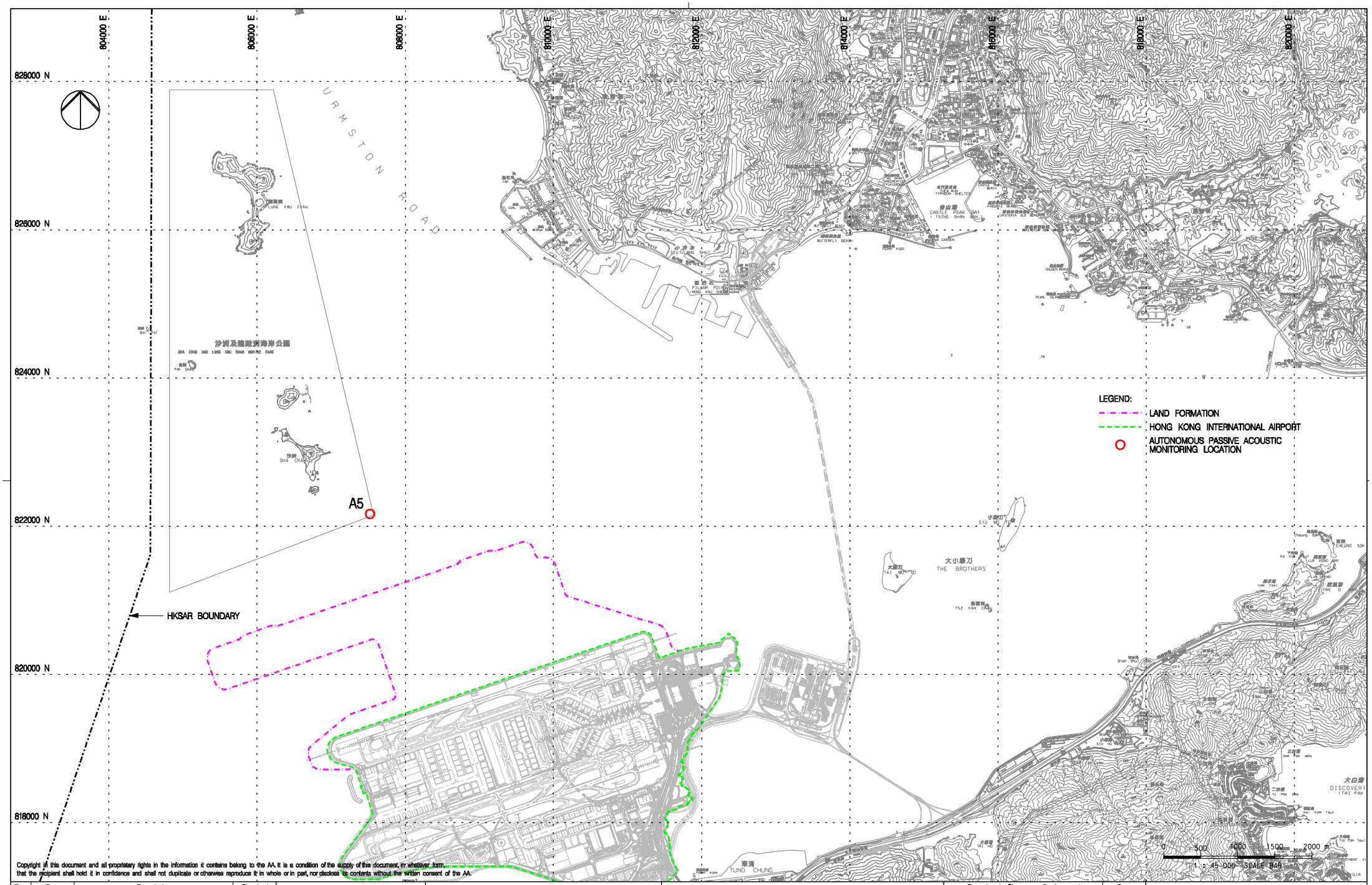
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FIGURE 2.6

Scale at A3 1 : 45000

Rev. C

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Rev.	Date	Description	Checked
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B	10OCT17	GENERAL REVISION	PL
C	29OCT18	GENERAL REVISION	SH

香港國際機場 HONG KONG INTERNATIONAL AIRPORT

MOTT MACDONALD

Title

LOCATION FOR AUTONOMOUS PASSIVE ACOUSTIC MONITORING

Consultant's Signatures for Approval		Date
Design	JC	29OCT18
Checkers	JC / TK	29OCT18
Approver	EC	29OCT18

EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO A THREE-RUNWAY SYSTEM

Drawing No.

FIGURE 2.7

Scale at A3 1 : 45000

Rev. C

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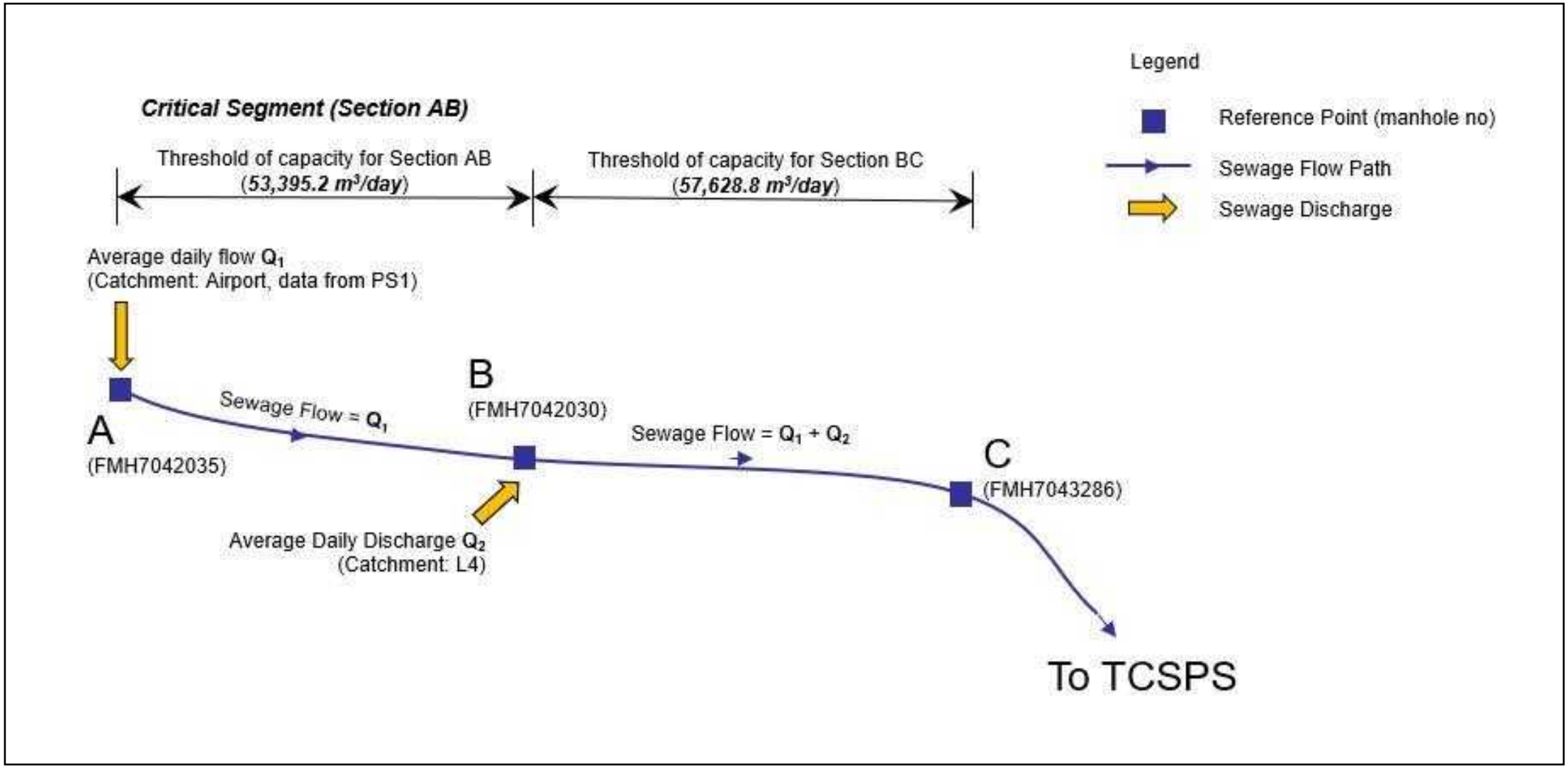
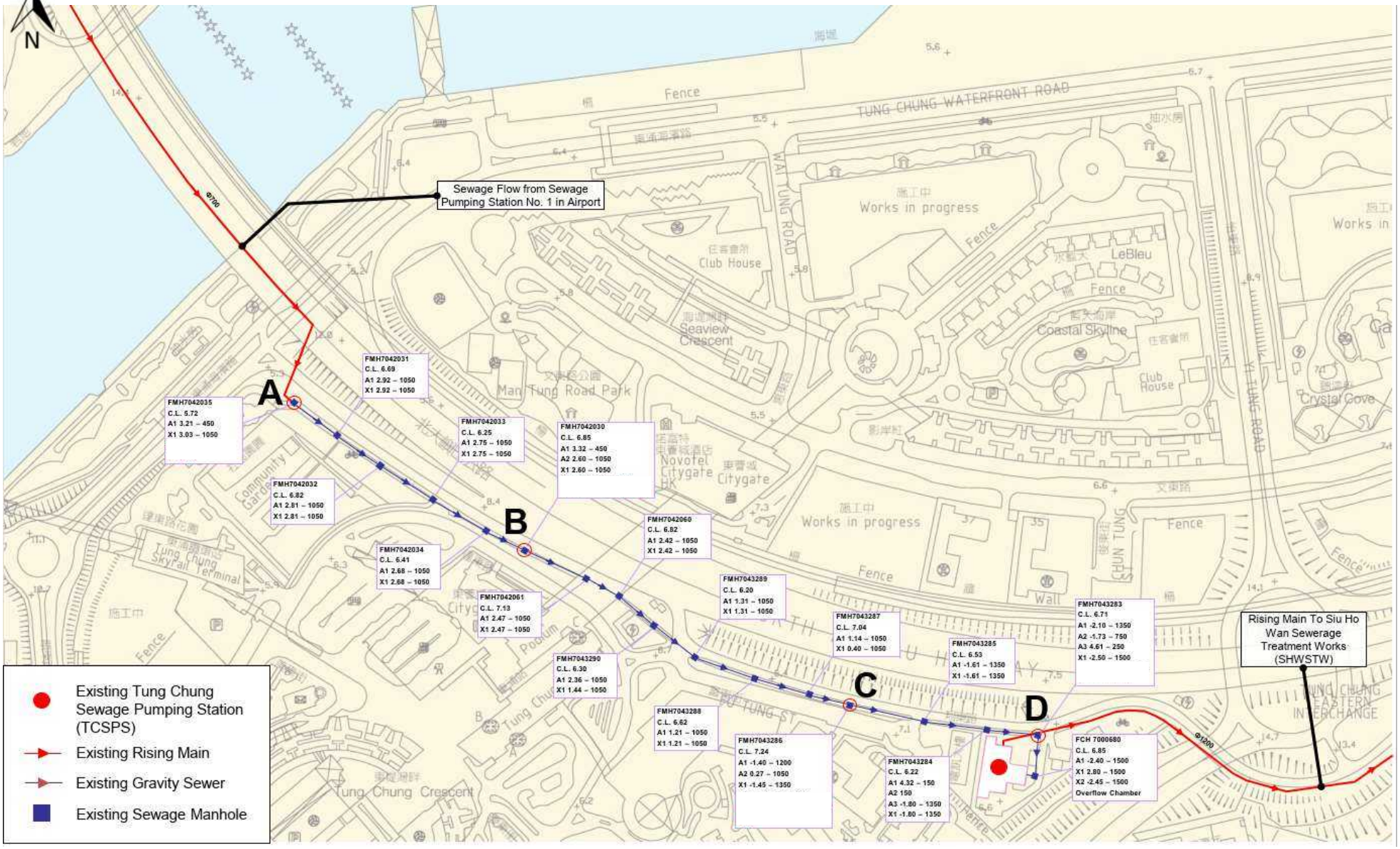


FIGURE 2.8 SCHEMATIC DIAGRAM FOR SEWERAGE SYSTEM FLOW MONITORING



Project	**Hong Kong International Airport Contract 3101 - 3RS Environmental Team Consultancy Services - Proposal for Additional Services on Development of Method for Annual Sewage Flow Monitoring for the Existing Gravity Sewer**	MOTT MACDONALD
Title	**Sewerage System Collecting Sewage from Airport**	FIGURE 2.9
Date Nov 2020	**Scale** N.T.S.	**File**

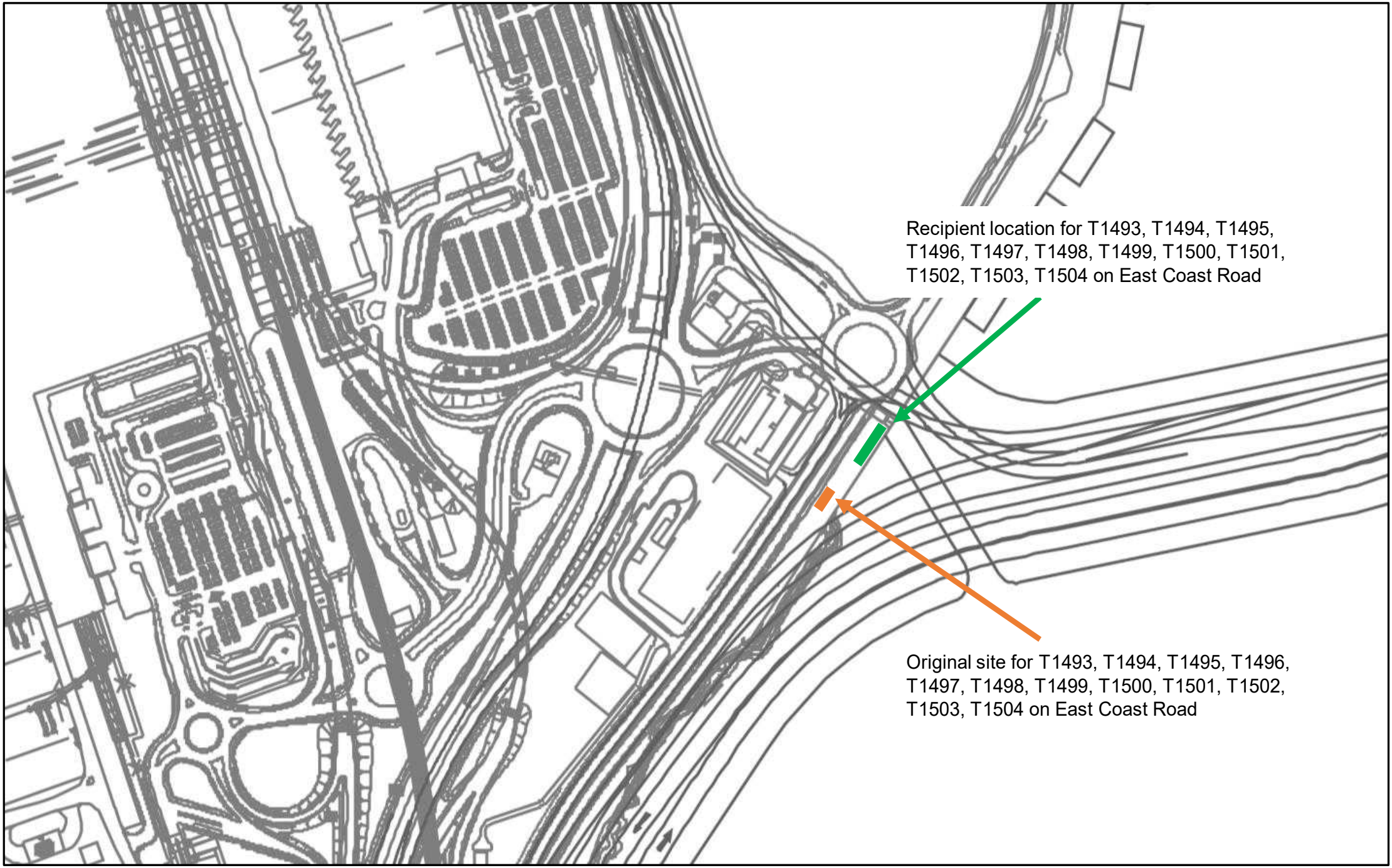


FIGURE 2.10 LOCATIONS OF NEWLY TRANSPLANTED TREES DURING THE REPORTING PERIOD

Appendix A. Contract Description

Contract Description

Contract No.	Contract Title	Contractor	Key Construction Activities
3206	Reclamation Contract	Zhen Hua Engineering Company Ltd.-China Communications Construction Company Ltd.-CCCC Dredging (Group) Company Ltd. Joint Venture	The works covered by the Contract 3206 comprise the formation of approximately 650 hectares of land north of the existing airport island for the project, the major construction activities including without limitation the following • Geotechnical and ground improvement works; • Seawall construction; • Marine and land filling works; and • Civil works.
3301	North Runway Crossover Taxiway	Fujita Corporation-China Harbour Engineering Company Ltd.-Zhen Hua Engineering Company Ltd. Joint Venture	The works covered by the Contract 3301 comprise the construction of a new dual taxiway across the existing north runway and utility services and cable ducting systems. The major construction activities include without limitation the following: • Construction of a new dual taxiway; • Cable ducting works; • Extension of existing portable water supply system; and • All associated works.
3302	Eastern Vehicular Tunnel Advance Works	China Road and Bridge Corporation	The works covered by the Contract 3302 comprise the design and construction of the first section of the new Eastern Vehicular Tunnel and a Road Tunnel Plant Building. The major construction activities include without limitation the following: • Foundation and structural works; • Cast-in / Underground electrical & mechanical works and utility services; and • All associated testing and commissioning works.
3303	Third Runway and Associated Works	Sinohydro Corporation Limited, Powerchina Airport Construction Company Limited, Paul Y. Construction Company Limited, and Rock-One	The works covered by the Contract 3303 comprise all elements of permanent works and temporary works required for the completion, commissioning and operation of the new North Runway and existing South Runway following the closure of the existing North Runway. The major construction activities include without limitation the following: • New runway, taxiways, and associated works;

Contract No.	Contract Title	Contractor	Key Construction Activities
		Engineering Company Limited Joint Venture	• Infrastructure works; • Construction of ancillary buildings and facilities; • Set up of various airport systems; and • All associated testing and commissioning works.
3305	Airfield Ground Lighting System	ADB Safegate Hong Kong Limited	The works covered by the Contract 3305 comprise the design, manufacture, installation and handover of the Airfield Ground Lighting (AGL) System. The major construction activities include without limitation the following: • Light fittings works; • Power Supply System installation; • Fibre optic cables and data cables supply and connection; • Set up Control and Communication system; • All associated testing and commissioning works.
3306	Observation Facility Control Systems Supporting Interim 2RS and 3RS	Chinney Alliance Engineering Limited	The works covered by the Contract 3306 comprise the design, procurement, manufacture, supply, installation, testing and commissioning of the Observation Facility Control Systems and Airfield Network for the interim Two-Runway System and Three-Runway System respectively. The major construction activities include without limitation the following: • Power Supply System installation; • Fibre optic cables and data cables supply and connection; • Set up Control and Communication system; • Minor building work and accessories; and • All associated testing and commissioning works.
3307	Fire Training Facility	Paul Y. Construction Company Limited	The works covered by the Contract 3307 comprise the construction of a Fire Training Facility on the new reclamation area to replace the existing facility at the Airport Island. The major construction activities include without limitation the following: • Building services works; • Civil works; and • All associated testing and temporary works.
3308	Foreign Object Debris Detection System	DAS Aviation Services Group	The works cover by the Contract 3308 comprise the entire expanded Foreign Object Debris (FOD) detection system required for the operation of new Three-Runway System at Hong Kong International Airport. The major construction activities include without limitation the following:

Contract No.	Contract Title	Contractor	Key Construction Activities
			• Excavation works; • Construction of FOD sensor towers; • Set up FOD detection system; • Civil and structural works; and • All associated electrical and mechanical works.
3310	North Runway Modification Works	China State Construction Engineering (Hong Kong) Ltd.	The works cover by the Contract 3310 comprise the modification of north runway and the connections of taxiways to the modified north runway on existing airport island. The major construction activities include without limitation the following: • Modification works for existing north runway; • Connections works for new taxiways; • Construction of ancillary buildings/ facilities; • Building services and airport systems; • Infrastructure Works; • Underground utilities and services; and • All associated asphalt pavement work and earthwork.
3402	New Integrated Airport Centers Enabling Works	Wing Hing Construction Co., Ltd.	The works covered by the Contract 3402 comprise the enabling works for the new Integrated Airport Centers. The major construction activities include without limitation the following: • Site clearance and demolition; • Building services works; • Utilities diversion and installation works; • Roadworks including associated facilities; and • All associated testing and commissioning works.
3403	New Integrated Airport Centres – Building and Civil Works	Sun Fook Kong Construction Limited	The works covered by the Contract 3403 comprise the construction of a new Integrated Airport Centre (IAC) and a number of ancillary facilities and Additions and Alteration (A&A) works for converting the existing IAC into a back-up IAC, including without limitation the following: • Site clearance and demolition; • Building structure and envelope; • Building Services and Airport Systems; and • Utilities division and installations.

Contract No.	Contract Title	Contractor	Key Construction Activities
3404	Integrated Airport Control System	Shun Hing Systems Integration Co., Ltd.	The works covered by the Contract 3404 comprise the design, supply, manufacture, delivery, installation, testing and commissioning of Integrated Airport Control System and conversion of the existing Integrated Airport Centre (IAC) into a Back-up IAC for the operation of interim Two-Runway System and Three-Runway System. The major construction activities include without limitation the following: • Cabling works • System configuration and programming works; • Set up Control and Communication system; • Decommissioning works; and • All associated testing and commissioning works.
3405	Third Runway Concourse Foundation and Substructure Works	China Road and Bridge Corporation - Bachy Soletanche Group Limited - LT Sambo Co., Ltd. Joint Venture	The works covered by the Contract 3405 comprise without limitation the following: • Piled foundation works; • Basement and tunnel structure works; • Associated internal reinforced concrete structures; • Backfilling and compaction of works area; and • Associated testing and temporary works.
3408	Third Runway Concourse and Apron Works	Beijing Urban Construction Group Company Limited and Chevalier (Construction) Company Limited Joint Venture	The works covered by the Contract 3408 comprise the design and construction of the Third Runway Concourse (TRC), the TRC Apron, two cross-field taxiways, Ancillary Buildings, specific section of the Eastern Vehicular Tunnel (EVT), and the associated infrastructure, testing, and commissioning works.
3503	Terminal 2 Foundation and Substructure Works	Leighton - Chun Wo Joint Venture	The works covered by the Contract 3503 comprise the foundations for the new T2 terminal, two annex buildings and associated viaducts, construction of the new T2 basement and south annex building structures, diaphragm walls, utility services and other advance works. The major construction activities include without limitation the following: • Re-configuration and demolition of existing utilities and structures;

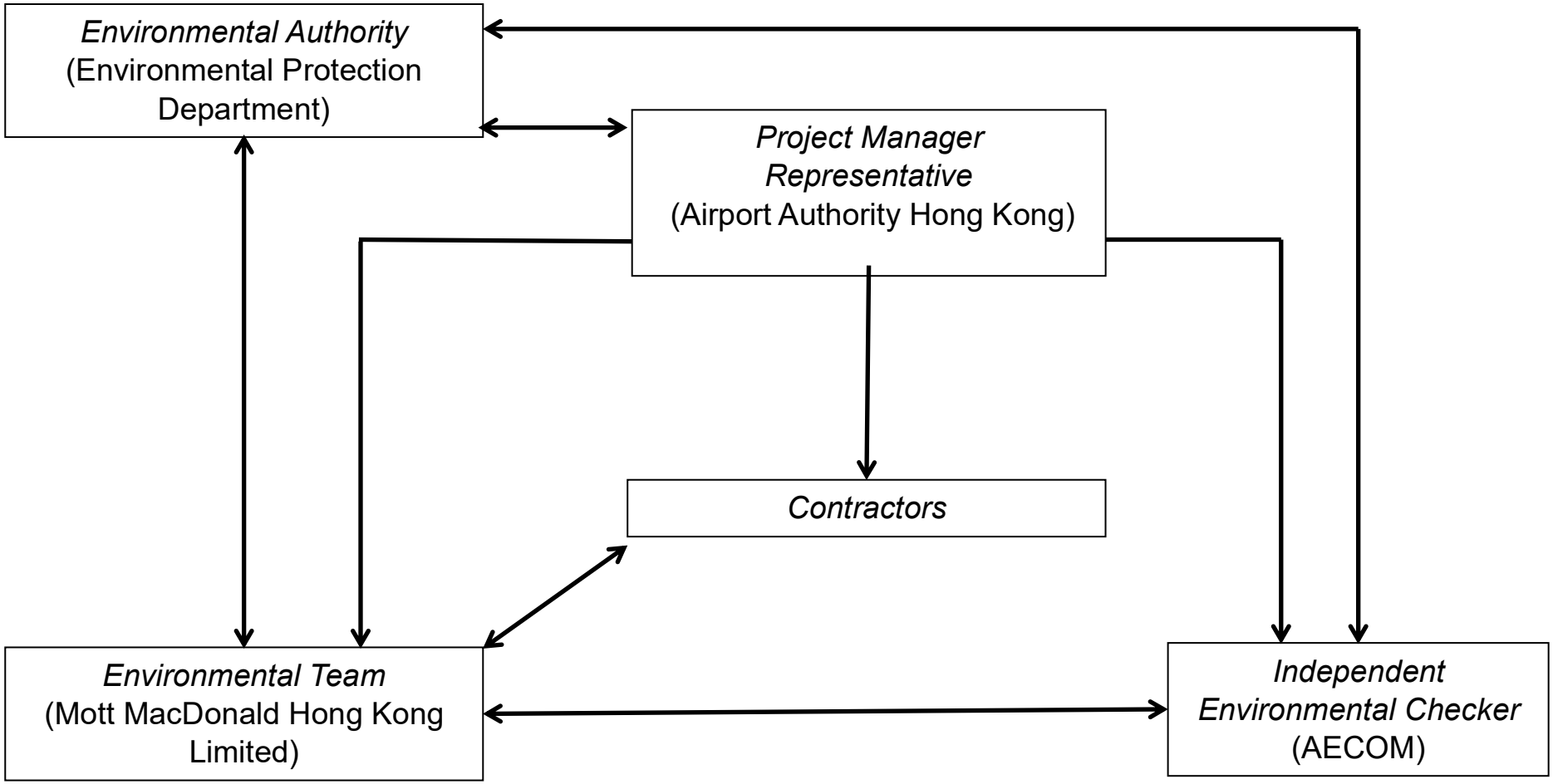
Contract No.	Contract Title	Contractor	Key Construction Activities
			• Pile foundations for the expanded T2 Terminal Building, South Annex Building, and North Annex Building; • Construction of new South Annex Building; • Diversion and provisions of utilities; and • All associated testing and commissioning works.
3508	Terminal 2 Expansion Works	Gammon Engineering and Construction Co., Ltd	The works covered by the Contract 3508 comprise the construction of T2, North Annex Building (NAB) and South Annex Building (SAB) with interconnecting bridges, landside transport infrastructure including viaducts and at grade roads, underground utility services, one sewage pumping station with the associated electrical building, footbridges, external works and modification works to existing facilities. The major construction activities include without limitation the following: • Superstructure, interior landscaping, building services and airport system of T2, NAB, SAB and associated footbridges; • Additions and Alteration (A&A) works of the existing Airport World Trade Centre (AWTC); • Modification of the existing APM and BHS tunnels; • External works and road networks around T2; and • Utilities.
3601	New Automated People Mover System (TRC Line)	CRRC Puzhen Bombardier Transportation Systems Limited and CRRC Nanjing Puzhen Co., Ltd. Joint Venture	The works covered by the Contract 3601 comprise the initial phase of the Automated People Mover (APM) system connecting the Third Runway Concourse (TRC) and the APM Interchange Station in the modified T2, and extension of the new APM system into the new APM Depot east of T2. The major construction activities include without limitation the following: • New 3-guideway APM system between TRC and T2; • Extension of the TRC Line into the new APM Depot; • APM associated sub-systems (communications, signalling, etc.) • Associated civil works; and • All associated testing, commissioning works.

Contract No.	Contract Title	Contractor	Key Construction Activities
3602	Existing APM System Modification Works	Niigata Transys Co., Ltd.	The works covered by the Contract 3602 comprise the detailed design, supply, manufacture, fabrication, implementation, testing and commissioning of the following modification works of the existing APM systems: • Modification of existing APM depot and APM cars; • Modification of existing T1 & T2 tunnels; and • Preparation of new APM depot.
3603	3RS Baggage Handling System	Vanderlande Industries Hong Kong Limited and Shun Hing Systems Integration Company Limited	The works covered by the Contract 3603 comprise the design, supply, manufacture, delivery, installation, testing and commissioning of the high-speed baggage handling system.
3721	Construction Support Infrastructure Works	China State Construction Engineering (Hong Kong) Limited	The works covered by the Contract 3721 comprise the construction of the infrastructure works and building facilities on the reclaimed land formation. The major construction activities include without limitation the following: • Project site road; • Utilities; • Cargo loading quays; and • Security fencing and hoarding.
3722	Western Support Area – Construction Support Facilities	Tapbo Construction Company Limited and Konwo Modular House Limited Joint Venture	The works covered by the Contract 3722 comprise the design and construction of support facilities, including site office, Canteen, Safety Induction Centre and Medical Centre, Material Testing Laboratories and Typhoon Shelter, Vehicle Maintenance Facility and Fuel Storage Facility. The major construction activities include without limitation the following: • Construction of support facilities; • Foundation and structural works; and • Building services works.
3723	Eastern Support Area – Construction Support Facilities	Tapbo Construction Company Limited and Konwo Modular House Ltd. Joint Venture	The works covered by the Contract 3723 comprise the design and construction of support facilities, including site office, sewage treatment facility, canteen, and centralised power supply building. The major construction activities include without limitation the following: • Construction of support facilities; • Foundation, structural and superstructure works;

Contract No.	Contract Title	Contractor	Key Construction Activities
			• Sewage pipe network and connection works; and • Building services works.
3728	Minor Site Works	Shun Yuen Construction Company Limited	The works to be executed by the Contract 3728 comprise minor works within the Airside and Landside areas of the existing airport island to support the Project.
3733	Emergency Repair Service	Wing Hing Construction Co., Ltd.	The works to be executed by the Contract 3733 comprise the provision of emergency repair service for Three Runway System (3RS) Project construction. The major construction activities include without limitation the following: • Construction of support facilities; • Building services works; • Security fencing and hoarding; and • Ground pavement works.
3801	APM and BHS Tunnels on Existing Airport Island	China State Construction Engineering (Hong Kong) Limited	The works covered by the Contract 3801 comprise the construction of the APM and Baggage Handling System (BHS) tunnels on existing airport island. The major construction activities include without limitation the following: • Construction of APM and BHS tunnels; • Construction of ventilation building and associated infrastructure; and • Construction, testing and commissioning of sewerage pumping station; and • Civil and structural engineering works.
3802	APM and BHS Tunnels and Related Works	Gammon Construction Limited	The works covered by the Contract 3802 comprise the construction of the APM and BHS tunnels on existing airport island. The major construction activities include without limitation the following: • Construction of APM/ BHS Tunnels; • Construction of ancillary buildings/ facilities; • Building services and airport systems; • Infrastructure Works; • Underground utilities and services; and • All associated testing and commissioning works.

Contract No.	Contract Title	Contractor	Key Construction Activities
3901A	Concrete Batching Facility	K. Wah Concrete Company Limited	The works covered by the Contract 3901A comprise the establishment, operation and maintenance of a concrete batching facility at the Project Site and the supply of concrete products. The major construction activities include without limitation the following: • Supply of all equipment for the installation of the Facility to the Site; and • Supply of all raw materials required for the production of ready mixed concrete products and the continual operation of the Facility.
3901B	Concrete Batching Facility	Gammon Construction Limited	The works covered by the Contract 3901B comprise the establishment, operation and maintenance of a concrete batching facility at the Project Site and the supply of concrete products. The major construction activities include without limitation the following: • Supply of all equipment for the installation of Facility to the Site; and • Supply of all raw materials required for the production of ready mixed concrete products and the continual operation of the Facility.

Appendix B. Project Organization Chart


Environmental Authority
(Environmental Protection Department)
Project Manager Representative
(Airport Authority Hong Kong)
Contractors
Environmental Team
(Mott MacDonald Hong Kong Limited)
Independent Environmental Checker
(AECOM)

Appendix C. Environmental Mitigation Implementation Schedule (EMIS) for Construction Phase

Environmental Mitigation Implementation Schedule (EMIS) for Construction Phase

EIA Ref.	EM&A Ref.	EP Condition	Environmental Protection Measures	Location / Duration of measures Timing of completion of measures	Mitigation Measures Implemented?^
			Air Quality Impact – Construction Phase		
5.2.6.2	2.1	-	**Dust Control Measures** ▪ Water spraying for 12 times a day or once every two hours for 24-hour working at all active works area.	Within construction site / Duration of the construction phase	I
5.2.6.3	2.1	-	▪ Covering of at least 80% of the stockpiling area by impervious sheets. Water spraying of all dusty materials immediately prior to any loading transfer operation so as to keep the dusty material wet during material handling.	Within construction site / Duration of the construction phase	I
5.2.6.4	2.1	-	Dust control practices as stipulated in the Air Pollution Control (Construction Dust) Regulation should be adopted. These practices include: Good Site Management ▪ Good site management is important to help reducing potential air quality impact down to an acceptable level. As a general guide, the Contractor should maintain high standard of housekeeping to prevent emission of fugitive dust. Loading, unloading, handling and storage of raw materials, wastes or by-products should be carried out in a manner so as to minimise the release of visible dust emission. Any piles of materials accumulated on or around the work areas should be cleaned up regularly. Cleaning, repair and maintenance of all plant facilities within the work areas should be carried out in a manner minimising generation of fugitive dust emissions. The material should be handled properly to prevent fugitive dust emission before cleaning.	Within construction site / Duration of the construction phase	I
			Disturbed Parts of the Roads ▪ Each and every main temporary access should be paved with concrete, bituminous hardcore materials or metal plates and kept clear of dusty materials; or ▪ Unpaved parts of the road should be sprayed with water or a dust suppression chemical so as to keep the entire road surface wet.	Within construction site / Duration of the construction phase	I
			Exposed Earth ▪ Exposed earth should be properly treated by compaction, hydroseeding, vegetation planting or seating with latex, vinyl, bitumen within six months after the last construction activity on the site or part of the site where the exposed earth lies.	Within construction site / Duration of the construction phase	I

EIA Ref.	EM&A Ref.	EP Condition	Environmental Protection Measures	Location / Duration of measures Timing of completion of measures	Mitigation Measures Implemented?^
			Loading, Unloading or Transfer of Dusty Materials ▪ All dusty materials should be sprayed with water immediately prior to any loading or transfer operation so as to keep the dusty material wet.	Within construction site / Duration of the construction phase	I
			Debris Handling ▪ Any debris should be covered entirely by impervious sheeting or stored in a debris collection area sheltered on the top and the three sides; and ▪ Before debris is dumped into a chute, water should be sprayed so that it remains wet when it is dumped.	Within construction site / Duration of the construction phase	I
			Transport of Dusty Materials ▪ Vehicle used for transporting dusty materials/spoils should be covered with tarpaulin or similar material. The cover should extend over the edges of the sides and tailboards.	Within construction site / Duration of the construction phase	I
			Wheel washing ▪ Vehicle wheel washing facilities should be provided at each construction site exit. Immediately before leaving the construction site, every vehicle should be washed to remove any dusty materials from its body and wheels.	Within construction site / Duration of the construction phase	I
			Use of vehicles ▪ The speed of the trucks within the site should be controlled to about 10km/hour in order to reduce adverse dust impacts and secure the safe movement around the site; ▪ Immediately before leaving the construction site, every vehicle should be washed to remove any dusty materials from its body and wheels; and ▪ Where a vehicle leaving the construction site is carrying a load of dusty materials, the load should be covered entirely by clean impervious sheeting to ensure that the dusty materials do not leak from the vehicle.	Within construction site / Duration of the construction phase	I
			Site hoarding ▪ Where a site boundary adjoins a road, street, service lane or other area accessible to the public, hoarding of not less than 2.4m high from ground level should be provided along the entire length of that portion of the site boundary except for a site entrance or exit.	Within construction site / Duration of the construction phase	I
5.2.6.5	2.1	-	**Best Practices for Concrete Batching Plant** The relevant best practices for dust control as stipulated in the Guidance Note on the Best Practicable Means for Cement Works (Concrete Batching Plant) BPM 3/2 as well as in the future Specified Process licence should be adopted. The best practices are recommended to be applied to both the land based and floating concrete batching plants. Best practices include: Cement and other dusty materials	Within Concrete Batching Plant / Duration of the construction phase	I

EIA Ref.	EM&A Ref.	EP Condition	Environmental Protection Measures	Location / Duration of measures Timing of completion of measures	Mitigation Measures Implemented?^
			▪ The loading, unloading, handling, transfer or storage of cement, pulverised fuel ash (PFA) and/or other equally dusty materials shall be carried in a totally enclosed system acceptable to EPD. All dust-laden air or waste gas generated by the process operations shall be properly extracted and vented to fabric filtering system to meet the required emission limit; ▪ Cement, PFA and/or other equally dusty materials shall be stored in storage silo fitted with audible high-level alarms to warn of over-filling. The high-level alarm indicators shall be interlocked with the material filling line such that in the event of the silo approaching an overfilling condition, an audible alarm will operate, and after 1 minute or less the material filling line will be closed; ▪ Vents of all silos shall be fitted with fabric filtering system to meet the required emission limit; ▪ Vents of cement/PFA weighing scale shall be fitted with fabric filtering system to meet the required emission limit; and ▪ Seating of pressure relief valves of all silos shall be checked, and the valves re-seated if necessary, before each delivery.		
			Other raw materials ▪ The loading, unloading, handling, transfer or storage of other raw materials which may generate airborne dust emissions such as crushed rock, sand, stone aggregate, shall be carried out in such a manner to prevent or minimize dust emissions; ▪ The materials shall be adequately wetted prior to and during the loading, unloading and handling operations. Manual or automatic water spraying system shall be provided at all unloading areas, stockpiles and material discharge points; ▪ All receiving hoppers for unloading relevant materials shall be enclosed on three sides up to 3 m above the unloading point. In no case shall these hoppers be used as the material storage devices; ▪ The belt conveyor for handling materials shall be enclosed on top and two sides with a metal board at the bottom to eliminate any dust emission due to wind-whipping effect. Other type of enclosure will also be accepted by EPD if it can be demonstrated that the proposed enclosure can achieve same performance; ▪ All conveyor transfer points shall be totally enclosed. Openings for the passage of conveyors shall be fitted with adequate flexible seals; ▪ Scrapers shall be provided at the turning points of all conveyors to remove dust adhered to the belt surface; ▪ Conveyors discharged to stockpiles of relevant materials shall be arranged to minimize free fall as far as practicable. All free falling transfer points from conveyors to stockpiles shall be enclosed with chute(s) and water sprayed; ▪ Aggregates with a nominal size less than or equal to 5 mm should be stored in totally enclosed structure such as storage bin and should not be handled in open area. Where there is sufficient buffer area surrounding the concrete batching plant, ground stockpiling may be used;	Within Concrete Batching Plant / Duration of the construction phase	I

EIA Ref.	EM&A Ref.	EP Condition	Environmental Protection Measures	Location / Duration of measures Timing of completion of measures	Mitigation Measures Implemented?^
			▪ The stockpile shall be enclosed at least on top and three sides and with flexible curtain to cover the entrance side; ▪ Aggregates with a nominal size greater than 5 mm should preferably be stored in a totally enclosed structure. If open stockpiling is used, the stockpile shall be enclosed on three sides with the enclosure wall sufficiently higher than the top of the stockpile to prevent wind whipping; and ▪ The opening between the storage bin and weighing scale of the materials shall be fully enclosed.		
			Loading of materials for batching ▪ Concrete truck shall be loaded in such a way as to minimise airborne dust emissions. The following control measures shall be implemented: (a) Pre-mixing the materials in a totally enclosed concrete mixer before loading the materials into the concrete truck is recommended. All dust-laden air generated by the pre-mixing process as well as the loading process shall be totally vented to fabric filtering system to meet the required emission limit; and (b) If truck mixing batching or other types of batching method is used, effective dust control measures acceptable to EPD shall be adopted. The dust control measures must have been demonstrated to EPD that they are capable to collect and vent all dust-laden air generated by the material loading/mixing to dust arrestment plant to meet the required emission limit. ▪ The loading bay shall be totally enclosed during the loading process.	Within Concrete Batching Plant / Duration of the construction phase	I
			Vehicles ▪ All practicable measures shall be taken to prevent or minimize the dust emission caused by vehicle movement; and ▪ All access and route roads within the premises shall be paved and adequately wetted.	Within Concrete Batching Plant / Duration of the construction phase	I
			Housekeeping ▪ A high standard of housekeeping shall be maintained. All spillages or deposits of materials on ground, support structures or roofs shall be cleaned up promptly by a cleaning method acceptable to EPD. Any dumping of materials at open area shall be prohibited.	Within Concrete Batching Plant / Duration of the construction phase	I
5.2.6.6	2.1	-	**Best Practices for Asphaltic Concrete Plant** The relevant best practices for dust control as stipulated in the Guidance Note on the Best Practicable Means for Tar and Bitumen Works (Asphaltic Concrete Plant) BPM 15 (94) as well as in the future Specified Process licence should be adopted. These include: Design of Chimney ▪ The chimney shall not be less than 3 metres plus the building height or 8 metres above ground level, whichever is the greater; ▪ The efflux velocity of gases from the main chimney shall not be less than 12 m/s at full load condition;	Within Concrete Batching Plant / Duration of the construction phase	I

EIA Ref.	EM&A Ref.	EP Condition	Environmental Protection Measures	Location / Duration of measures Timing of completion of measures	Mitigation Measures Implemented?^
			▪ The flue gas exit temperature shall not be less than the acid dew point; and ▪ Release of the chimney shall be directed vertically upwards and not be restricted or deflected.		
			Cold feed side ▪ The aggregates with a nominal size less than or equal to 5 mm shall be stored in totally enclosed structure such as storage bin and shall not be handled in open area; ▪ Where there is sufficient buffer area surrounding the plant, ground stockpiling may be used. The stockpile shall be enclosed at least on top and three sides and with flexible curtain to cover the entrance side. If these aggregates are stored above the feeding hopper, they shall be enclosed at least on top and three sides and be wetted on the surface to prevent wind-whipping; ▪ The aggregates with a nominal size greater than 5 mm should preferably be stored in totally enclosed structure. Aggregates stockpile that is above the feeding hopper shall be enclosed at least on top and three sides. If open stockpiling is used, the stockpiles shall be enclosed on three sides with the enclosure wall sufficiently higher than the top of the stockpile to prevent wind whipping; ▪ Belt conveyors shall be enclosed on top and two sides and provided with a metal board at the bottom to eliminate any dust emission due to the wind-whipping effect. Other type of enclosure will also be accepted by EPD if it can be demonstrated that the proposed enclosure can be achieve the same performance; ▪ Scrapers shall be provided at the turning points of all belt conveyors inside the chute of the transfer points to remove dust adhered to the belt surface; ▪ All conveyor transfer points shall be totally enclosed. Openings for the passages of conveyors shall be fitted with adequate flexible seals; and ▪ All materials returned from dust collection system shall be transferred in enclosed system and shall be stored inside bins or enclosures.	Within Concrete Batching Plant / Duration of the construction phase	I
			Hot feed side ▪ The inlet and outlet of the rotary dryer shall be enclosed and ducted to a dust extraction and collection system such as a fabric filter. The particulate and gaseous concentration at the exhaust outlet of the dust collector shall not exceed the required limiting values; ▪ The bucket elevator shall be totally enclosed and the air be extracted and ducted to a dust collection system to meet the required particulates limiting value; ▪ All vibratory screens shall be totally enclosed and dust tight with close-fitted access inspection opening. Gaskets shall be installed to seal off any cracks and edges of any inspection openings; ▪ Chutes for carrying hot material shall be rigid and preferably fitted with abrasion resistant plate inside. They shall be inspected daily for leakages; ▪ All hot bins shall be totally enclosed and dust tight with close-fitted access inspection opening. Gaskets shall be installed to seal off any cracks and edges of any inspection openings. The air shall be extracted and ducted to a dust collection system to meet the required particulates limiting value; and	Within Concrete Batching Plant / Duration of the construction phase	I

EIA Ref.	EM&A Ref.	EP Condition	Environmental Protection Measures	Location / Duration of measures Timing of completion of measures	Mitigation Measures Implemented?^
			▪ Appropriate control measures shall be adopted in order to meet the required bitumen emission limit as well as the ambient odour level (2 odour units).		
			Material transportation ▪ The loading, unloading, handling, transfer or storage of other raw materials which may generate airborne dust emissions such as crushed rocks, sands, stone aggregates, reject fines, shall be carried out in such a manner as to minimize dust emissions; ▪ Roadways from the entrance of the plant to the product loading points and/or any other working areas where there are regular movements of vehicles shall be paved or hard surfaced; and ▪ Haul roads inside the Works shall be adequately wetted with water and/or chemical suppressants by water trucks or water sprayers.	Within Concrete Batching Plant / Duration of the construction phase	I
			Control of emissions from bitumen decanting ▪ The heating temperature of the particular bitumen type and grade shall not exceed the corresponding temperature limit of the same type listed in Appendix 1 of the Guidance Note; ▪ Tamper-free high temperature cut-off device shall be provided to shut off the fuel supply or electricity in case the upper limit for bitumen temperature is reached; ▪ Proper chimney for the discharge of bitumen fumes shall be provided at high level; ▪ The emission of bitumen fumes shall not exceed the required emission limit; and ▪ The air-to-fuel ratio shall be properly controlled to allow complete combustion of the fuel. The fuel burners, if any, shall be maintained properly and free from carbon deposits in the burner nozzles.	Within Concrete Batching Plant / Duration of the construction phase	I
			Liquid fuel ▪ The receipt, handling and storage of liquid fuel shall be carried out so as to prevent the release of emissions of organic vapours and/or other noxious and offensive emissions to the air.	Within Concrete Batching Plant / Duration of the construction phase	I
			Housekeeping ▪ A high standard of housekeeping shall be maintained. Waste material, spillage and scattered piles gathered beneath belt conveyors, inside and around enclosures shall be cleared frequently. The minimum clearing frequency is on a weekly basis.	Within Concrete Batching Plant / Duration of the construction phase	I
5.2.6.7	2.1	-	**Best Practices for Rock Crushing Plants** The relevant best practices for dust control as stipulated in the Guidance Note on the Best Practicable Means for Mineral Works (Stone Crushing Plant) BPM 11/1 (95) as well as in the future Specified Process licence should be adopted. These include: Crushers	Within Concrete Batching Plant / Duration of the construction phase	N/A as there was no rock crushing plant at this stage

EIA Ref.	EM&A Ref.	EP Condition	Environmental Protection Measures	Location / Duration of measures Timing of completion of measures	Mitigation Measures Implemented?^
			▪ The outlet of all primary crushers, and both inlet and outlet of all secondary and tertiary crushers, if not installed inside a reasonably dust tight housing, shall be enclosed and ducted to a dust extraction and collection system such as a fabric filter; ▪ The inlet hopper of the primary crushers shall be enclosed on top and 3 sides to contain the emissions during dumping of rocks from trucks. The rock while still on the trucks shall be wetted before dumping; ▪ Water sprayers shall be installed and operated in strategic locations at the feeding inlet of crushers; and ▪ Crusher enclosures shall be rigid and be fitted with self-closing doors and close-fitting entrances and exits. Where conveyors pass through the crusher enclosures, flexible covers shall be installed at entries and exits of the conveyors to the enclosure.		
			Vibratory screens and grizzlies ▪ All vibratory screens shall be totally enclosed in a housing. Screenhouses shall be rigid and reasonably dust tight with self-closing doors or close-fitted entrances and exits for access. Where conveyors pass through the screenhouse, flexible covers shall be installed at entries and exits of the conveyors to the housing. Where containment of dust within the screenhouse structure is not successful then a dust extraction and collection system shall be provided; and ▪ All grizzlies shall be enclosed on top and 3 sides and sufficient water sprayers shall be installed at their feeding and outlet areas.	Within Concrete Batching Plant / Duration of the construction phase	N/A as there was no rock crushing plant at this stage
			Belt conveyors ▪ Except for those conveyors which are placed within a totally enclosed structure such as a screenhouse or those erected at the ground level, all conveyors shall be totally enclosed with windshield on top and 2 sides; ▪ Effective belt scraper such as the pre-cleaner blades made by hard wearing materials and provided with pneumatic tensioner, or equivalent device, shall be installed at the head pulley of designated conveyor as required to dislodge fine dust particles that may adhere to the belt surface and to reduce carry-back of fine materials on the return belt. Bottom plates shall also be provided for the conveyor unless it has been demonstrated that the corresponding belt scraper is effective and well maintained to prevent falling material from the return belt; and Except for those transfer points which are placed within a totally enclosed structure such as a screenhouse, all transfer points to and from conveyors shall be enclosed. Where containment of dust within the enclosure is not successful, then water sprayers shall be provided. Openings for any enclosed structure for the passage of conveyors shall be fitted with flexible seals.	Within Concrete Batching Plant / Duration of the construction phase	N/A as there was no rock crushing plant at this stage
			Storage piles and bins ▪ Where practicable, free falling transfer points from conveyors to stockpiles shall be fitted with flexible curtains or be enclosed with chutes designed to minimize the drop height. Water sprays shall also be used where required.	Within Concrete Batching Plant / Duration of the construction phase	N/A as there was no rock crushing plant at this stage

EIA Ref.	EM&A Ref.	EP Condition	Environmental Protection Measures	Location / Duration of measures Timing of completion of measures	Mitigation Measures Implemented?^
			▪ The surface of all surge piles and stockpiles of blasted rocks or aggregates shall be kept sufficiently wet by water spraying wherever practicable; ▪ All open stockpiles for aggregates of size in excess of 5 mm shall be kept sufficiently wet by water spraying where practicable; or ▪ The stockpiles of aggregates 5 mm in size or less shall be enclosed on 3 sides or suitably located to minimize wind-whipping. Save for fluctuations in stock or production, the average stockpile shall stay within the enclosure walls and in no case the height of the stockpile shall exceed twice the height of the enclosure walls; and ▪ Scattered piles gathered beneath belt conveyors, inside and around enclosures shall be cleared regularly.		
			Rock drilling equipment ▪ Appropriate dust control equipment such as a dust extraction and collection system shall be used during rock drilling activities.	Within Concrete Batching Plant / Duration of the construction phase	N/A as there was no rock crushing plant at this stage
			Hazard to Human Life – Construction Phase		
Table 6.40	3.2	-	▪ Precautionary measures should be established to request barges to move away during typhoons.	Construction Site / Construction Period	I
Table 6.40	3.2	-	▪ An appropriate marine traffic management system should be established to minimize risk of ship collision.	Construction Site / Construction Period	I
Table 6.40	3.2	-	▪ Location of all existing hydrant networks should be clearly identified prior to any construction works.	Construction Site / Construction Period	I
			Noise Impact – Construction Phase		
7.5.6	4.3	-	**Good Site Practice** Good site practice and noise management can significantly reduce the impact of construction site activities on nearby NSRs. The following package of measures should be followed during each phase of construction: ▪ only well-maintained plant to be operated on-site and plant should be serviced regularly during the construction works; ▪ machines and plant that may be in intermittent use to be shut down between work periods or should be throttled down to a minimum; ▪ plant known to emit noise strongly in one direction, should, where possible, be orientated to direct noise away from the NSRs; ▪ mobile plant should be sited as far away from NSRs as possible; and ▪ material stockpiles and other structures to be effectively utilised, where practicable, to screen noise from on-site construction activities.	Within the Project site / During construction phase / Prior to commencement of operation	I

EIA Ref.	EM&A Ref.	EP Condition	Environmental Protection Measures	Location / Duration of measures Timing of completion of measures	Mitigation Measures Implemented?^
7.5.6	4.3	-	**Adoption of QPME** ▪ QPME should be adopted as far as applicable.	Within the Project site / During construction phase / Prior to commencement of operation	I
7.5.6	4.3	-	**Use of Movable Noise Barriers** ▪ Movable noise barriers should be placed along the active works area and mobile plants to block the direct line of sight between PME and the NSRs.	Within the Project site / During construction phase / Prior to commencement of operation	I
7.5.6	4.3	-	**Use of Noise Enclosure/ Acoustic Shed** ▪ Noise enclosure or acoustic shed should be used to cover stationary PME such as air compressor and generator.	Within the Project site / During construction phase / Prior to commencement of operation	I
			Water Quality Impact – Construction Phase		
8.8.1.2 and 8.8.1.3	5.1	2.26	**Marine Construction Activities** <u>General Measures to be Applied to All Works Areas</u> ▪ Barges or hoppers shall not be filled to a level which will cause overflow of materials or pollution of water during loading or transportation; ▪ Use of Lean Material Overboard (LMOB) systems shall be prohibited; ▪ Excess materials shall be cleaned from the decks and exposed fittings of barges and hopper dredgers before the vessels are moved; ▪ Plants should not be operated with leaking pipes and any pipe leakages shall be repaired quickly; ▪ Adequate freeboard shall be maintained on barges to reduce the likelihood of decks being washed by wave action; ▪ All vessels shall be sized such that adequate clearance is maintained between vessels and the seabed at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash; ▪ The works shall not cause foam, oil, grease, litter or other objectionable matter to be present in the water within and adjacent to the works site; and ▪ For ground improvement activities including DCM, the wash water from cleaning of the drilling shaft should be appropriately treated before discharge. The Contractor should ensure the wastewater meets the WPCO/TM requirements before discharge. No direct discharge of contaminated water is permitted.	Within construction site / Duration of the construction phase	I

EIA Ref.	EM&A Ref.	EP Condition	Environmental Protection Measures	Location / Duration of measures Timing of completion of measures	Mitigation Measures Implemented?^
			Specific Measures to be Applied to All Works Areas ▪ The daily maximum production rates shall not exceed those assumed in the water quality assessment in the EIA report; ▪ A maximum of 10 % fines content to be adopted for sand blanket and 20 % fines content for marine filling below +2.5 mPD prior to substantial completion of seawall (until end of Year 2017) shall be specified in the works contract document;	Within construction site / Duration of the construction phase	I – For marine filling C – Completed in Nov 2020 for sand blanket
			▪ An advance seawall of at least 200m to be constructed (comprising either rows of contiguous permanent steel cells completed above high tide mark or partially completed seawalls with rock core to high tide mark and filter layer on the inner side) prior to commencement of marine filling activities;		C – Completed in May 2018
			▪ Closed grab dredger shall be used to excavate marine sediment; ▪ Silt curtains surrounding the closed grab dredger shall be deployed in accordance with the Silt Curtain Deployment Plan; and		I (The arrangement of silt curtain has been modified. The details can be referred to Silt Curtain Deployment Plan)
			▪ The Silt Curtain Deployment Plan shall be implemented.		I
			Specific Measures to be Applied to Land Formation Activities prior to Commencement of Marine Filling Works ▪ Double layer 'Type III' silt curtains to be applied around the active eastern works areas prior to commencement of sand blanket laying activities. The silt curtains shall be configured to minimise SS release during ebb tides. A silt curtain efficiency test shall be conducted to validate the performance of the silt curtains;	Within construction site / Duration of the construction phase	N/A (The arrangement of silt curtain has been modified. The details can be referred to Silt Curtain Deployment Plan)
			▪ Double layer silt curtains to enclose WSRs C7a and silt screens installed at the intake points for both WSR C7a and C8 prior to commencement of construction; and		I – For C7a C – Completed in Dec 2021 for C8 *(The requirement of silt curtain / screen has been modified. The details can be referred to Silt Curtain Deployment Plan)
			▪ The silt curtains and silt screens should be regularly checked and maintained.		I

EIA Ref.	EM&A Ref.	EP Condition	Environmental Protection Measures	Location / Duration of measures Timing of completion of measures	Mitigation Measures Implemented?^
			<u>Specific Measures to be Applied to Land Formation Activities during Marine Filling Works</u> ▪ Double layer 'Type II' or 'Type III' silt curtains to be applied around the eastern openings between partially completed seawalls prior to commencement of marine filling activities. The silt curtains shall be configured to minimise SS release during ebb tides;	Within construction site / Duration of the construction phase	I *(The arrangement of silt curtain has been modified. The details can be referred to Silt Curtain Deployment Plan)
			▪ Double layer silt curtains to be applied at the south-western opening prior to commencement of marine filling activities;		N/A (The arrangement of silt curtain has been modified. The details can be referred to Silt Curtain Deployment Plan)
			▪ Double layer silt curtain to enclose WSR C7a and silt screens installed at the intake points for both WSR C7a and C8 prior to commencement of marine filling activities; and		I – For C7a C – Completed in Dec 2021 for C8 (The requirement of silt curtain / screen has been modified. The details can be referred to Silt Curtain Deployment Plan)
			▪ The silt curtains and silt screens should be regularly checked and maintained.		I
			<u>Specific Measures to be Applied to the Field Joint Excavation Works for the Submarine Cable Diversion</u> ▪ Only closed grabs designed and maintained to avoid spillage shall be used and should seal tightly when operated. Excavated materials shall be disposed at designated marine disposal area in accordance with the Dumping at Sea Ordinance (DASO) permit conditions; and ▪ Silt curtains surrounding the closed grab dredger to be deployed as a precautionary measure.	Within construction site / Duration of the construction phase	N/A – the field joint excavation works for the submarine cable diversion will no longer be conducted anymore
8.8.1.4	5.1	-	**Modification of the Existing Seawall** ▪ Silt curtains shall be deployed around the seawall modification activities to completely enclose the active works areas, and care should be taken to avoid splashing of rockfill / rock armour into the surrounding marine environment. For the connecting sections with the existing outfalls, works for these connection areas should be undertaken during the dry season in order that individual drainage culvert cells may be isolated for interconnection works.	At the existing northern seawall / Duration of the construction phase	I

EIA Ref.	EM&A Ref.	EP Condition	Environmental Protection Measures	Location / Duration of measures Timing of completion of measures	Mitigation Measures Implemented?^
8.8.1.5	5.1	-	**Construction of New Stormwater Outfalls and Modifications to Existing Outfalls** ▪ During operation of the temporary drainage channel, runoff control measures such as bunding or silt fence shall be provided on both sides of the channel to prevent accumulation and release of SS via the temporary channel. Measures should also be taken to minimise the ingress of site drainage into the culvert excavations.	Within construction site / Duration of the construction phase	I
8.8.1.6 8.8.1.7	5.1	2.27	**Piling Activities for Construction of New Runway Approach Lights and HKIAAA Marker Beacons** Silt curtains shall be deployed around the piling activities to completely enclose the piling works and care should be taken to avoid spillage of excavated materials into the surrounding marine environment.	Within construction site / Duration of the construction phase	C – For approach lights N/A for marker beacons as HKIAAA Marker Beacons would be replaced by buoys
			<u>For construction of the eastern approach lights at the CMPs</u> ▪ Ground improvement via DCM using a close-spaced layout shall be completed prior to commencement of piling works; ▪ Steel casings shall be installed to enclose the excavation area prior to commencement of excavation; ▪ The excavated materials shall be removed using a closed grab within the steel casings; ▪ No discharge of the cement mixed materials into the marine environment will be allowed; and ▪ Excavated materials shall be treated and reused on-site.		C – Completed in Oct 2021
8.8.1.8	5.1	-	**Construction of Site Runoff and Drainage** The site practices outlined in ProPECC Note PN 1/94 should be followed as far as practicable in order to minimise surface runoff and the chance of erosion. The following measures are recommended:	Within construction site / Duration of the construction phase	
			▪ Install perimeter cut-off drains to direct off-site water around the site and implement internal drainage, erosion and sedimentation control facilities. Channels, earth bunds or sandbag barriers should be provided on site to direct storm water to silt removal facilities. The design of the temporary on-site drainage system should be undertaken by the Contractors prior to the commencement of construction (for works areas located on the existing Airport island) or as soon as the new land is completed (for works areas located on the new landform);		I
			▪ Sand/silt removal facilities such as sand/silt traps and sediment basins should be provided to remove sand/silt particles from runoff to meet the requirements of the TM-DSS standards under the WPCO. The design of efficient silt removal facilities should make reference to the guidelines in Appendix A1 of ProPECC Note PN 1/94. Sizes may vary depending upon the flow rate. The detailed design of the sand/silt traps should be undertaken by the Contractors prior to the commencement of construction;		I

EIA Ref.	EM&A Ref.	EP Condition	Environmental Protection Measures	Location / Duration of measures Timing of completion of measures	Mitigation Measures Implemented?^
			▪ All drainage facilities and erosion and sediment control structures should be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly during rainstorms. Deposited silt and grit should be regularly removed, at the onset of and after each rainstorm to ensure that these facilities are functioning properly;		I
			▪ Measures should be taken to minimize the ingress of site drainage into excavations. If excavation of trenches in wet periods is necessary, they should be dug and backfilled in short sections wherever practicable. Water pumped out from foundation excavations should be discharged into storm drains via silt removal facilities;		I
			▪ In the event that contaminated groundwater is identified at excavation areas, this should be treated on-site using a suitable wastewater treatment process. The effluent should be treated according to the requirements of the TM-DSS standards under the WPCO prior to discharge to foul sewers or collected for proper disposal off-site. No direct discharge of contaminated groundwater is permitted; and		I
			▪ All vehicles and plant should be cleaned before leaving a construction site to ensure no earth, mud, debris and the like is deposited by them on roads. An adequately designed and sited wheel washing facility should be provided at construction site exits. Wash-water should have sand and silt settled out and removed regularly to ensure the continued efficiency of the process. The section of access road leading to, and exiting from, the wheel-wash bay to the public road should be paved with sufficient backfall toward the wheel-wash bay to prevent vehicle tracking of soil and silty water to public roads and drains. All washwater should be treated according to the requirements of the TM-DSS standards under the WPCO prior to discharge.		I
			▪ Open stockpiles of construction materials or construction wastes on-site should be covered with tarpaulin or similar fabric during rainstorms. Measures should be taken to prevent the construction materials, soil, silt or debris from washing away into the drainage system;		I
			▪ Manholes (including newly constructed ones) should be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris being washed into the drainage system and to prevent stormwater runoff being directed into foul sewers; and		I
			▪ Precautionary measures should be taken at any time of the year when rainstorms are likely. Actions to be taken when a rainstorm is imminent or forecasted are summarized in Appendix A2 of ProPECC Note PN 1/94. This includes actions to be taken during and/or after rainstorms. Particular attention should be paid to the control of silty surface runoff during storm events.		I
8.8.1.9	5.1	-	**Sewage Effluent from Construction Workforce** ▪ Temporary sanitary facilities, such as portable chemical toilets, should be employed on-site where necessary to handle sewage from the workforce. A licensed contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance.	Within construction site / During construction phase	I

EIA Ref.	EM&A Ref.	EP Condition	Environmental Protection Measures	Location / Duration of measures Timing of completion of measures	Mitigation Measures Implemented?^
8.8.1.10 8.8.1.11	5.1		**General Construction Activities** ▪ Construction solid waste, debris and refuse generated on-site should be collected, handled and disposed of properly to avoid entering any nearby storm water drain. Stockpiles of cement and other construction materials should be kept covered when not being used; and ▪ Oils and fuels should only be stored in designated areas which have pollution prevention facilities. To prevent spillage of fuels and solvents to any nearby storm water drain, all fuel tanks and storage areas should be provided with locks and be sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank. The bund should be drained of rainwater after a rain event.	Within construction site / During construction phase	I
8.8.1.12 8.8.1.13	5.1	2.28	**Drilling Activities for the Submarine Aviation Fuel Pipelines** To prevent potential water quality impacts at Sha Chau, the following measures shall be applied: ▪ A 'zero-discharge' policy shall be applied for all activities to be conducted at Sha Chau; ▪ No bulk storage of chemicals shall be permitted; and ▪ A containment pit shall be constructed around the drill holes. This containment pit shall be lined with impermeable lining and bunded on the outside to prevent inflow from off-site areas.	Within construction site / During construction phase	C – Completed in Jan 2019
			At the airport island side of the drilling works, the following measures shall be applied for treatment of wastewater: ▪ During pipe cleaning, appropriate desilting or sedimentation device should be provided on site for treatment before discharge. The Contractor should ensure discharge water from the sedimentation tank meet the WPCO/TM requirements before discharge; and ▪ Drilling fluid used in drilling activities should be reconditioned and reused as far as possible. Temporary enclosed storage locations should be provided on-site for any unused chemicals that needs to be transported away after all the related construction activities are completed. The requirements in ProPECC Note PN 1/94 should be adhered to in the handling and disposal of bentonite slurries.	Within construction site / During construction phase	C – Completed in Jan 2019
			Waste Management Implication – Construction Phase		
10.5.1.1	7.1	-	Opportunities to minimise waste generation and maximise the reuse of waste materials generated by the project have been incorporated where possible into the planning, design and construction stages, and the following measures have been recommended: ▪ The relevant construction methods (particularly for the tunnel works) and construction programme have been carefully planned and developed to minimise the extent of excavation and to maximise the on-site reuse of inert C&D materials generated by the project as far as practicable. Temporary stockpiling areas will also be provided to facilitate on-site reuse of inert C&D materials;	Project Site Area / During design and construction phase	I
			▪ Priority should be given to collect and reuse suitable inert C&D materials generated from other concurrent projects and the Government's PFRF as fill materials for the proposed land formation works;		I

EIA Ref.	EM&A Ref.	EP Condition	Environmental Protection Measures	Location / Duration of measures Timing of completion of measures	Mitigation Measures Implemented?^
			▪ Only non-dredged ground improvement methods should be adopted in order to completely avoid the need for dredging and disposal of marine sediment for the proposed land formation work;		I
			▪ Excavation work for constructing the APM tunnels, BHS tunnels and airside tunnels will not be down to the CMPs beneath the fill materials in order to avoid excavating any sediments; and		I
			▪ For the marine sediments expected to be excavated from the piling works of TRC, APM & BHS tunnels, airside tunnels and other facilities on the proposed land formation area, piling work of marine sections of the approach lights and HKIAAA beacons, basement works for some of T2 expansion area and excavation works for the proposed APM depot should be treated and reused on-site as backfilling materials, although required treatment level / detail and the specific re-use mode are under development.		I
10.5.1.1	7.1	-	The following good site practices should be performed during the construction activities include: ▪ Nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site; ▪ Training of site personnel in proper waste management and chemical waste handling procedures; ▪ Provision of sufficient waste disposal points and regular collection for disposal; ▪ Appropriate measures to minimise windblown litter and dust during transportation of waste by either covering trucks by tarpaulin/ similar material or by transporting wastes in enclosed containers. The cover should be extended over the edges of the sides and tailboards; ▪ Stockpiles of C&D materials should be kept wet or covered by impervious sheets to avoid wind-blown dust; ▪ All dusty materials including C&D materials should be sprayed with water immediately prior to any loading transfer operation so as to keep the dusty material wet during material handling at the barging points/ stockpile areas; ▪ C&D materials to be delivered to and from the project site by barges or by trucks should be kept wet or covered to avoid wind-blown dust; ▪ The speed of the trucks including dump trucks carrying C&D or waste materials within the site should be controlled to about 10 km/hour in order to reduce the adverse dust impact and secure the safe movement around the site; and ▪ To avoid or minimise dust emission during transport of C&D or waste materials within the site, each and every main temporary access should be paved with concrete, bituminous hardcore materials or metal plates and kept clear of dusty materials. Unpaved parts of the road should be sprayed with water or a dust suppression chemical so as to keep the entire road surface wet.	Project Site Area / Construction Phase	I
10.5.1.3	7.1	-	The following practices should be performed to achieve waste reduction include: ▪ Use of steel or aluminium formworks and falseworks for temporary works as far as practicable;	Project Site Area / Construction Phase	I

EIA Ref.	EM&A Ref.	EP Condition	Environmental Protection Measures	Location / Duration of measures Timing of completion of measures	Mitigation Measures Implemented?^
			▪ Adoption of repetitive design to allow reuse of formworks as far as practicable; ▪ Segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal; ▪ Encourage collection of aluminium cans, PET bottles and paper by providing separate labelled bins to enable these wastes to be segregated from other general refuse generated by the work force; ▪ Any unused chemicals or those with remaining functional capacity should be collected for reused as far as practicable; ▪ Proper storage and site practices to minimise the potential for damage or contamination of construction materials; and ▪ Plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste.		
10.5.1.5	7.1		Inert and non-inert C&D materials should be handled and stored separately to avoid mixing the two types of materials.	Project Site Area / Construction Phase	I
10.5.1.5	7.1	-	Any recyclable materials should be segregated from the non-inert C&D materials for collection by reputable licensed recyclers whereas the non-recyclable waste materials should be disposed of at the designated landfill site by a reputable licensed waste collector.	Project Site Area / Construction Phase	I
10.5.1.6	7.1	-	A trip-ticket system promulgated shall be developed in order to monitor the off-site delivery of surplus inert C&D materials that could not be reused on-site for the proposed land formation work at the PFRF and to control fly tipping.	Project Site Area / Construction Phase	I
10.5.1.6	7.1	2.32	The Contractor should prepare and implement a Waste Management Plan detailing various waste arising and waste management practices.	Construction Phase	I
10.5.1.16	7.1	-	The following mitigation measures are recommended during excavation and treatment of the sediments:	Project Site Area / Construction Phase	I
			▪ On-site remediation should be carried out in an enclosed area in order to minimise odour/dust emissions;		I
			▪ The loading, unloading, handling, transfer or storage of treated and untreated sediment should be carried out in such a manner to prevent or minimise dust emissions;		I
			▪ All practical measures, including but not limited to speed control for vehicles, should be taken to minimise dust emission;		I
			▪ Good housekeeping should be maintained at all times at the sediment treatment facility and storage area;		I
			▪ Treated and untreated sediment should be clearly separated and stored separately; and		I
			▪ Surface runoff from the enclosed area should be properly collected and stored separately, and then properly treated to levels in compliance with the relevant effluent standards as required by the Water Pollution Control Ordinance before final discharge.		I

EIA Ref.	EM&A Ref.	EP Condition	Environmental Protection Measures	Location / Duration of measures Timing of completion of measures	Mitigation Measures Implemented?^
10.5.1.18	7.1	-	The marine sediments to be removed from the cable field joint area would be disposed of at the designated disposal sites to be allocated by the MFC. The following mitigation measures should be strictly followed to minimise potential impacts on water quality during transportation of the sediments requiring Type 1 disposal: ▪ Bottom opening of barges shall be fitted with tight fitting seals to prevent leakage of material; ▪ Monitoring of the barge loading shall be conducted to ensure that loss of material does not take place during transportation. Transport barges or vessels shall be equipped with automatic self-monitoring devices as specified by EPD; and ▪ Barges or hopper barges shall not be filled to a level that would cause the overflow of materials or sediment laden water during loading or transportation.	Project Site Area / Construction Phase	N/A – the field joint excavation works for the submarine cable diversion will no longer be conducted anymore
10.5.1.19	7.1	-	Contractor should register with the EPD as a chemical waste producer and to follow the relevant guidelines. The following measures should be implemented: ▪ Good quality containers compatible with the chemical wastes should be used; ▪ Incompatible chemicals should be stored separately; ▪ Appropriate labels must be securely attached on each chemical waste container indicating the corresponding chemical characteristics of the chemical waste, such as explosive, flammable, oxidizing, irritant, toxic, harmful, corrosive, etc.; and ▪ The contractor will use a licensed collector to transport and dispose of the chemical wastes at the approved Chemical Waste Treatment Centre or other licensed recycling facilities, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.	Project Site Area / Construction Phase	I
10.5.1.20	7.1	-	General refuse should be stored in enclosed bins or compaction units separated from inert C&D material. A reputable waste collector should be employed by the contractor to remove general refuse from the site for disposal at designated landfill sites. An enclosed and covered area should be provided to reduce the occurrence of 'windblown' light material.	Project Site Area / Construction Phase	I
10.5.1.21	7.1	-	The construction contractors will be required to regularly check and clean any refuse trapped or accumulated along the newly constructed seawall. Such refuse will then be stored and disposed of together with the general refuse.	Project Site Area / Construction Phase	I
			Land Contamination – Construction Phase		
11.10.1.2 to 11.10.1.3	8.1	2.32	For areas inaccessible during site reconnaissance survey ▪ Further site reconnaissance would be conducted once the areas are accessible in order to identify any land contamination concern for the areas.	Project Site Area inaccessible during site reconnaissance / Prior to Construction Phase	I

EIA Ref.	EM&A Ref.	EP Condition	Environmental Protection Measures	Location / Duration of measures Timing of completion of measures	Mitigation Measures Implemented?^
			▪ Subject to further site reconnaissance findings, a supplementary Contamination Assessment Plan (CAP) for additional site investigation (SI) (if necessary) may be prepared and submitted to EPD for endorsement prior to the commencement of SI at these areas.		C – Completed in Jan 2018
			▪ After completion of SI, the Contamination Assessment Report (CAR) will be prepared and submitted to EPD for approval prior to start of the proposed construction works at the golf course, the underground and above-ground fuel storage tank areas, emergency power generation units, airside petrol filling station and fuel tank room.		I *(CAR for golf course and Terminal 2 emergency power supply system nos.1, 2, 3, 4 and 5 were submitted to EPD)
			▪ Should remediation be required, Remediation Action Plan (RAP) and Remediation Report (RR) will be prepared for EPD's approval prior to commencement of the proposed remediation and any construction works respectively.		N/A as no remediation was required.
11.8.1.2	8.1	-	If contaminated soil is identified, the following mitigation measures are for the excavation and transportation of contaminated materials (if any): ▪ To minimize the incidents of construction workers coming in contact with any contaminated materials, bulk earth-moving excavation equipment should be employed; ▪ Contact with contaminated materials can be minimised by wearing appropriate clothing and personal protective equipment such as gloves and masks (especially when working directly with contaminated material), provision of washing facilities and prohibition of smoking and eating on site; ▪ Stockpiling of contaminated excavated materials on site should be avoided as far as possible; ▪ The use of any contaminated soil for landscaping purpose should be avoided unless pre-treatment was carried out; ▪ Vehicles containing any excavated materials should be suitably covered to reduce dust emissions and/or release of contaminated wastewater; ▪ Truck bodies and tailgates should be sealed to prevent any discharge; ▪ Only licensed waste haulers should be used to collect and transport contaminated material to treatment/disposal site and should be equipped with tracking system to avoid fly tipping; ▪ Speed control for trucks carrying contaminated materials should be exercised. 8km/h is the recommended speed limit; ▪ Strictly observe all relevant regulations in relation to waste handling, such as Waste Disposal Ordinance (Cap 354), Waste Disposal (Chemical Waste) (General) Regulation (Cap 354) and obtain all necessary permits where required; and ▪ Maintain records of waste generation and disposal quantities and disposal arrangements.	Project Site Area / Construction Phase	N/A as no contaminated soil was found.

EIA Ref.	EM&A Ref.	EP Condition	Environmental Protection Measures	Location / Duration of measures Timing of completion of measures	Mitigation Measures Implemented?^
			Terrestrial Ecological – Construction Phase		
12.10.1.1	9.2	2.14	**Pre-construction Egretry Survey** ▪ Conduct ecological survey for Sha Chau egretry to update the latest boundary of the egretry.	Breeding season (April - July) prior to commencement of HDD drilling works at HKIA	C – Completed in Jan 2019
12.7.2.3 and 12.7.2.6	9.1	2.30	**Avoidance and Minimisation of Direct Impact to Egretry** ▪ The daylighting location will avoid direct encroachment to the Sheung Sha Chau egretry. The daylighting location and mooring of flat top barge, if required, will be kept away from the egretry; ▪ In any event, controls such as demarcation of construction site boundary and confining the lighting within the site will be practised to minimise disturbance to off-site habitat at Sheung Sha Chau Island; and ▪ The containment pit at the daylighting location shall be covered or camouflaged.	During construction phase at Sheung Sha Chau Island	C – Completed in Jan 2019
12.7.2.5	9.1	2.30	**Preservation of Nesting Vegetation** ▪ The proposed daylighting location and the arrangement of connecting pipeline will avoid the need of tree cutting, therefore the trees that are used by ardeids for nesting will be preserved.	During construction phase at Sheung Sha Chau Island	C – Completed in Jan 2019
12.7.2.4 and 12.7.2.6	9.1	2.30	**Timing the Pipe Connection Works outside Ardeid's Breeding Season** ▪ All HDD and related construction works on Sheung Sha Chau Island will be scheduled outside the ardeids' breeding season (between April and July). No night-time construction work will be allowed on Sheung Sha Chau Island during all seasons.	During construction phase at Sheung Sha Chau Island	C – Completed in Jan 2019
12.10.1.1	9.3	-	**Ecological Monitoring** ▪ During the HDD construction works period from August to March, ecological monitoring will be undertaken monthly at the HDD daylighting location on Sheung Sha Chau Island to identify and evaluate any impacts with appropriate actions taken as required to address and minimise any adverse impact found.	at Sheung Sha Chau Island	C – Completed in Jan 2019
			Marine Ecological Impact – Pre-construction Phase		
13.11.4.1	10.2.2	-	▪ Pre-construction phase Coral Dive Survey.	HKIAAA artificial seawall	C – Completed in Jan 2016
			Marine Ecological Impact – Construction Phase		
13.11.1.3 to 13.11.1.6	-	-	**Minimisation of Land Formation Area** ▪ Minimise the overall size of the land formation needed for the additional facilities to minimise the overall loss of habitat for marine resources, especially the CWD population.	Land formation footprint / during detailed design phase to completion of construction	I

EIA Ref.	EM&A Ref.	EP Condition	Environmental Protection Measures	Location / Duration of measures Timing of completion of measures	Mitigation Measures Implemented?^
13.11.1.7 to 13.11.1.10	-	2.31	**Use of Construction Methods with Minimal Risk/Disturbance** ▪ Use of non-dredge method for the main land formation and ancillary works including the diversion of the aviation fuel pipeline to the AFRF;	During construction phase at marine works area	C – Completed in Jan 2019 for diversion of aviation fuel pipeline
			▪ Use of Deep Cement Mixing (DCM) method instead of conventional seabed dredging for the land formation works to reduce the risk of negative impacts through the elevation of suspended solids and contaminants on CWDs, fisheries and the marine environment;		I
			▪ Use of bored piling in short duration to form the new approach lights and marker beacons for the new runway;		C – Completed in Oct 2021 for new approach lights
			▪ Avoid bored piling during CWD peak calving season (Mar to Jun);		N/A for marker beacons as HKIAAA Marker Beacons would be replaced by buoys
			▪ Prohibition of underwater percussive piling; and		I
			▪ Use of horizontal directional drilling (HDD) method and water jetting methods for placement of submarine cables and pipelines to minimise the disturbance to the CWDs and other marine ecological resources.		C – Completed in Jan 2019 for HDD works
13.11.2.1 to 13.11.2.7	-	-	**Mitigation for Indirect Disturbance due to Deterioration of Water Quality** ▪ Water quality mitigation measures during construction phases include consideration of alternative construction methods, deployment of silt curtain and good site practices;	All works area during the construction phase	I
			▪ Alternative construction methods including use of non-dredge methods for ground improvement (e.g. Deep Cement Mixing (DCM), prefabricated vertical drains (PVD), sand compaction piles, steel cells, stone columns and vertical sand drains);		I
			▪ Use of bored piling in short duration to form the new approach lights and marker beacons for the new runway; and		C – Completed in Oct 2021 for new approach lights
			▪ Use of horizontal directional drilling (HDD) method and water jetting methods for placement of undersea cables and pipelines to minimise the disturbance to the CWDs and other marine ecological resources.		C – Completed in Jan 2019 for HDD works
13.11.1.12	-	-	**Strict Enforcement of No-Dumping Policy**	All works area during the construction phase	I

EIA Ref.	EM&A Ref.	EP Condition	Environmental Protection Measures	Location / Duration of measures Timing of completion of measures	Mitigation Measures Implemented?^
			▪ A policy prohibiting dumping of wastes, chemicals, oil, trash, plastic, or any other substance that would potentially be harmful to dolphins and/or their habitat in the work area; ▪ Mandatory educational programme of the no-dumpling policy be made available to all construction site personnel for all project-related works; ▪ Fines for infractions should be implemented; and ▪ Unscheduled, on-site audits shall be implemented.		
13.11.1.13	-	-	**Good Construction Site Practices** ▪ Regular inspection of the integrity and effectiveness of all silt curtains and monitoring of effluents to ensure that any discharge meets effluent discharge guidelines; ▪ Keep the number of working or stationary vessels present on-site to the minimum anytime; and ▪ Unscheduled, on-site audits for all good site practice restrictions should be conducted, and fines or penalties sufficient to be an effective deterrent need to be levied against violators.	All works area during the construction phase	I
13.11.1.3 to 13.11.1.6	-	-	**Minimisation of Land Formation Area** ▪ Minimise the overall size of the land formation needed for the additional facilities to minimise the overall loss of habitat for marine resources, especially the CWD population.	Land formation footprint / during detailed design phase to completion of construction	I
13.11.5.4 to 13.11.5.13	10.3.1	-	**SkyPier High Speed Ferries' Speed Restrictions and Route Diversions** ▪ SkyPier HSFs operating to / from Zhuhai and Macau would divert north of SCLKC Marine Park with a 15 knot speed limit to apply for the part-journeys that cross high CWD abundance grid squares as indicatively shown in **Drawing No. MCL/P132/EIA/13-023** of the EIA Report. Both the alignment of the northerly route and the portion of routings to be subject to the speed limit of 15 knots shall be finalised prior to commencement of construction based on the future review of up-to-date CWD abundance and EM&A data and taking reference to changes in total SkyPier HSF numbers; and ▪ A maximum of 10 knots will be enforced through the designated SCLKC Marine Park area at all times.	Area between the footprint and SCLKC Marine Park during construction phase	I
			Other mitigation measures ▪ The ET will audit various parameters including actual daily numbers of HSFs, compliance with the 15-knot speed limit in the speed control zone and diversion compliance for SkyPier HSFs operating to / from Zhuhai and Macau; and ▪ The effectiveness of the CWD mitigation measures after implementation of initial six month SkyPier HSF diversion and speed restriction will be reviewed.	Area between the footprint and SCLKC Marine Park during construction phase	I C – Completed in Sep 2016
13.11.5.14 to 13.11.5.18	10.3.1	2.31	**Dolphin Exclusion Zone** ▪ Establishment of a 24 hr Dolphin Exclusion Zone (DEZ) with a 250 m radius around the land formation works areas;	Marine waters around land formation works area during construction phase	I

EIA Ref.	EM&A Ref.	EP Condition	Environmental Protection Measures	Location / Duration of measures Timing of completion of measures	Mitigation Measures Implemented?^
			▪ A DEZ would also be implemented during ground improvement works (e.g. DCM), water jetting works for submarine cables diversion, open trench dredging at the field joint locations and seawall construction; and		I
			▪ A DEZ would also be implemented during bored piling work but as a precautionary measure only.		C – Completed in Oct 2021 for the bored piling work of New approach lights
13.11.5.19	10.4	2.31	**Acoustic Decoupling of Construction Equipment** ▪ Air compressors and other noisy equipment that must be mounted on steel barges should be acoustically-decoupled to the greatest extent feasible, for instance by using rubber or air-filled tyres; and ▪ Specific acoustic decoupling measures shall be specified during the detailed design of the project for use during the land formation works.	Around coastal works area during construction phase	I
13.11.5.20	10.6.1	2.29	**Spill Response Plan** ▪ An oil and hazardous chemical spill response plan is proposed to be established during the construction phase as a precautionary measure so that appropriate actions to prevent or reduce risks to CWDs can be undertaken in the event of an accidental spillage.	Construction phase	I
13.11.5.21 to 13.11.5.23	10.6.1	-	**Construction Vessel Speed Limits and Skipper Training** ▪ A speed limit of 10 knots should be strictly observed for construction vessels at areas with the highest CWD densities (as currently indicated by the 1x1km grid squares in Figure 6 of Appendix 13.2 of EIA report). ▪ Vessels traversing through the work areas should be required to use predefined and regular routes (which would presumably become known to resident dolphins) to reduce disturbance to cetaceans due to vessel movements. Specific marine routes shall be specified by the Contractor prior to construction commencing.	All areas north and west of Lantau Island during construction phase	I
			Fisheries Impact – Construction Phase		
14.9.1.2 to 14.9.1.5	-		**Minimisation of Land Formation Area** ▪ Minimise the overall size of the land formation needed for the additional facilities to minimise the overall loss of habitat for fisheries resources.	Land formation footprint / during detailed design phase to completion of construction	I
14.9.1.6	-	-	**Use of Construction Methods with Minimal Risk/Disturbance** ▪ Use of non-dredge method for the main land formation and ancillary works including the diversion of the aviation fuel pipeline to the AFRF;	During construction phase at marine works area	C – Completed in Jan 2019 for diversion of aviation fuel pipeline

EIA Ref.	EM&A Ref.	EP Condition	Environmental Protection Measures	Location / Duration of measures Timing of completion of measures	Mitigation Measures Implemented?^
			▪ Use of Deep Cement Mixing (DCM) method instead of conventional seabed dredging for the land formation works to reduce the risk of negative impacts through the elevation of suspended solids and contaminants on fisheries and the marine environment;		I
			▪ Use of bored piling in short duration to form the new approach lights and marker beacons for the new runway; and		C – Completed in Oct 2021 for new approach lights N/A for marker beacons as HKIAAA Marker Beacons would be replaced by buoys
			▪ Use of horizontal directional drilling (HDD) method and water jetting methods for placement of undersea cables and pipelines to minimise the disturbance to fisheries resources.		C – Completed in Jan 2019 for HDD works
14.9.1.11	-		**Strict Enforcement of No-Dumping Policy** ▪ A policy prohibiting dumping of wastes, chemicals, oil, trash, plastic, or any other substance that would potentially be harmful to dolphins and/or their habitat in the work area; ▪ Mandatory educational programme of the no-dumpling policy be made available to all construction site personnel for all project-related works; ▪ Fines for infractions should be implemented; and ▪ Unscheduled, on-site audits shall be implemented.	All works area during the construction phase	I
14.9.1.12	-		**Good Construction Site Practices** ▪ Regular inspection of the integrity and effectiveness of all silt curtains and monitoring of effluents to ensure that any discharge meets effluent discharge guidelines; ▪ Keep the number of working or stationary vessels present on-site to the minimum anytime; and ▪ Unscheduled, on-site audits for all good site practice restrictions should be conducted, and fines or penalties sufficient to be an effective deterrent need to be levied against violators.	All works area during the construction phase	I
14.9.1.13 to 14.9.1.18	-		**Mitigation for Indirect Disturbance due to Deterioration of Water Quality** ▪ Water quality mitigation measures during construction phases include consideration of alternative construction methods, deployment of silt curtain and good site practices;	All works area during the construction phase	I
			▪ Alternative construction methods including use of non-dredge methods for ground improvement (e.g. Deep Cement Mixing (DCM), prefabricated vertical drains (PVD), sand compaction piles, steel cells, stone columns and vertical sand drains);		I

EIA Ref.	EM&A Ref.	EP Condition	Environmental Protection Measures	Location / Duration of measures Timing of completion of measures	Mitigation Measures Implemented?^
			▪ Use of bored piling in short duration to form the new approach lights and marker beacons for the new runway; and		C – Completed in Oct 2021 for new approach lights N/A for marker beacons as HKIAAA Marker Beacons would be replaced by buoys
			▪ Use of horizontal directional drilling (HDD) method and water jetting methods for placement of undersea cables and pipelines to minimise the disturbance to fisheries resources.		C – Completed on Jan 2019 for HDD work
			Landscape and Visual Impact – Construction Phase		
Table 15.6	12.3	-	**CM1 -** The construction area and contractor's temporary works areas should be minimised to avoid impacts on adjacent landscape.	All works areas for duration of works; Upon handover and completion of works.	I
Table 15.6	12.3	-	**CM2 -** Reduction of construction period to practical minimum.	All works areas for duration of works; Upon handover and completion of works.	I
Table 15.6	12.3	-	**CM3 -** Phasing of the construction stage to reduce visual impacts during the construction phase.	All works areas for duration of works; Upon handover and completion of works.	I
Table 15.6	12.3	-	**CM4 -** Construction traffic (land and sea) including construction plants, construction vessels and barges should be kept to a practical minimum.	All works areas for duration of works; Upon handover and completion of works.	I
Table 15.6	12.3	-	**CM5 -** Erection of decorative mesh screens or construction hoardings around works areas in visually unobtrusive colours.	All works areas for duration of works; Upon handover and completion of works. – may be disassembled in phases.	I

EIA Ref.	EM&A Ref.	EP Condition	Environmental Protection Measures	Location / Duration of measures Timing of completion of measures	Mitigation Measures Implemented?^
Table 15.6	12.3	-	**CM6 -** Avoidance of excessive height and bulk of site buildings and structures.	New passenger concourse, terminal 2 expansion and other proposed airport related buildings and structures under the project; Upon handover and completion of works.	I
Table 15.6	12.3	-	**CM7** - Control of night-time lighting by hooding all lights and through minimisation of night working periods.	All works areas for duration of works; Upon handover and completion of works. – may be disassembled in phases.	I
Table 15.6	12.3	-	**CM8 -** All existing trees shall be carefully protected during construction. Detailed Tree Protection Specification shall be provided in the Contract Specification. Under this specification, the Contractor shall be required to submit, for approval, a detailed working method statement for the protection of trees prior to undertaking any works adjacent to all retained trees, including trees in contractor's works areas.	All existing trees to be retained; Upon handover and completion of works.	I
Table 15.6	12.3	-	**CM9 -** Trees unavoidably affected by the works shall be transplanted where practical. A detailed Tree Transplanting Specification shall be provided in the Contract Specification, if applicable. Sufficient time for necessary tree root and crown preparation periods shall be allowed in the project programme.	All existing trees to be affected by the works; Upon handover and completion of works.	I
Table 15.6	12.3	-	**CM10 -** Land formation works shall be followed with advanced hydroseeding around taxiways and runways as soon as practical.	All affected existing grass areas around runways and verges/Duration of works; Upon handover and completion of works.	N/A to this reporting period as the land formation works are still ongoing.
			Cultural Heritage Impact – Construction Phase		
			Not applicable to the construction stage of this project.		
			Health Impact – Aircraft Emissions		
			Not applicable to the construction stage of this project.		

EIA Ref.	EM&A Ref.	EP Condition	Environmental Protection Measures	Location / Duration of measures Timing of completion of measures	Mitigation Measures Implemented?^
			Health Impact – Aircraft Noise		
			Not applicable to the construction stage of this project.		

Notes:

" - " For items denoted as " - " provided under the columns of EM&A Ref. or EP Condition, environmental protection measures should be referred to the relevant paragraph(s) / table(s) in the approved EIA Report.

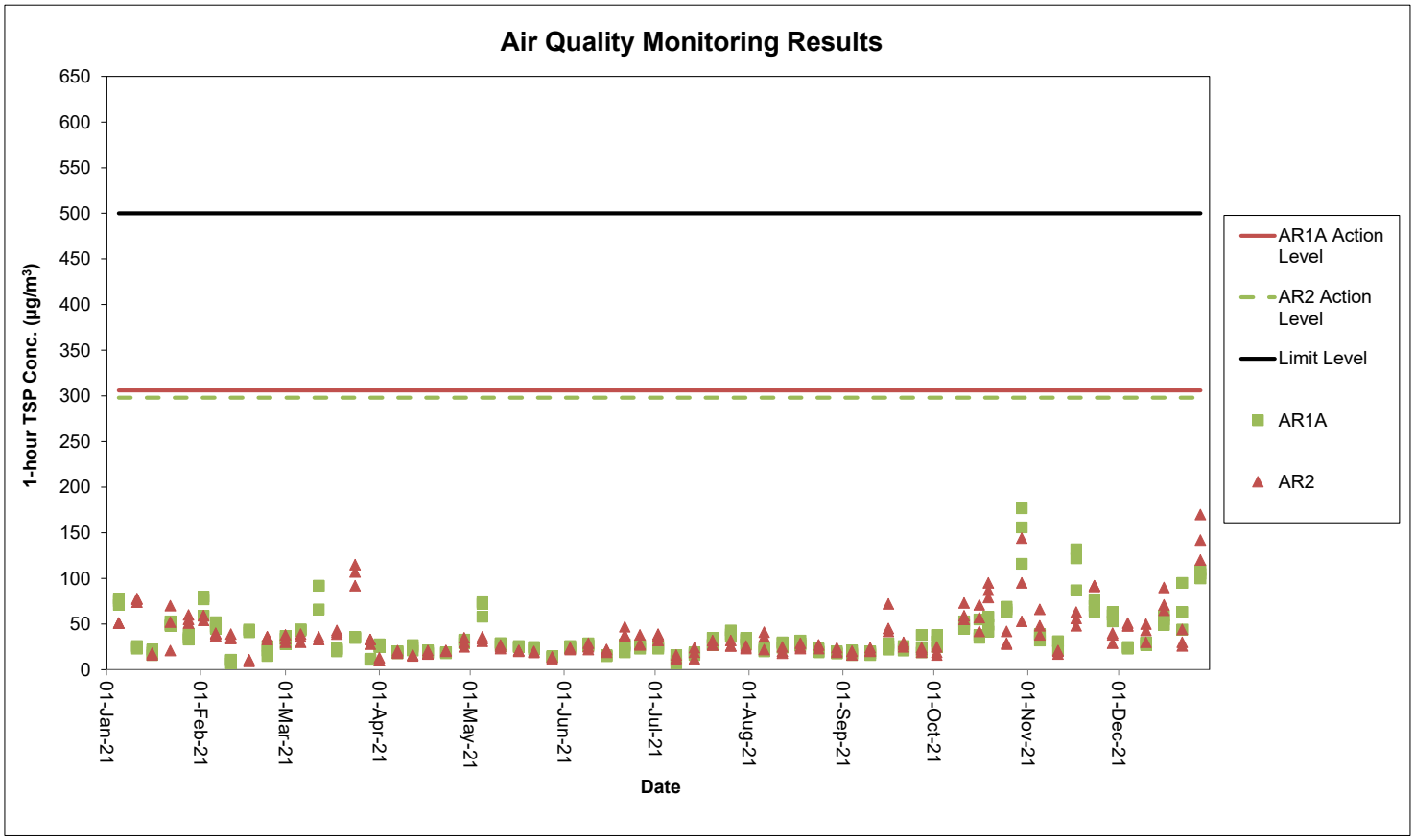
" I " Implemented and on-going where applicable.

" N/A " Not applicable to the construction works implemented during the reporting period.

" ^ " Checked by ET through site inspection and record provided by the Contractor.

Appendix D. Monitoring Results

Air Quality Monitoring Results



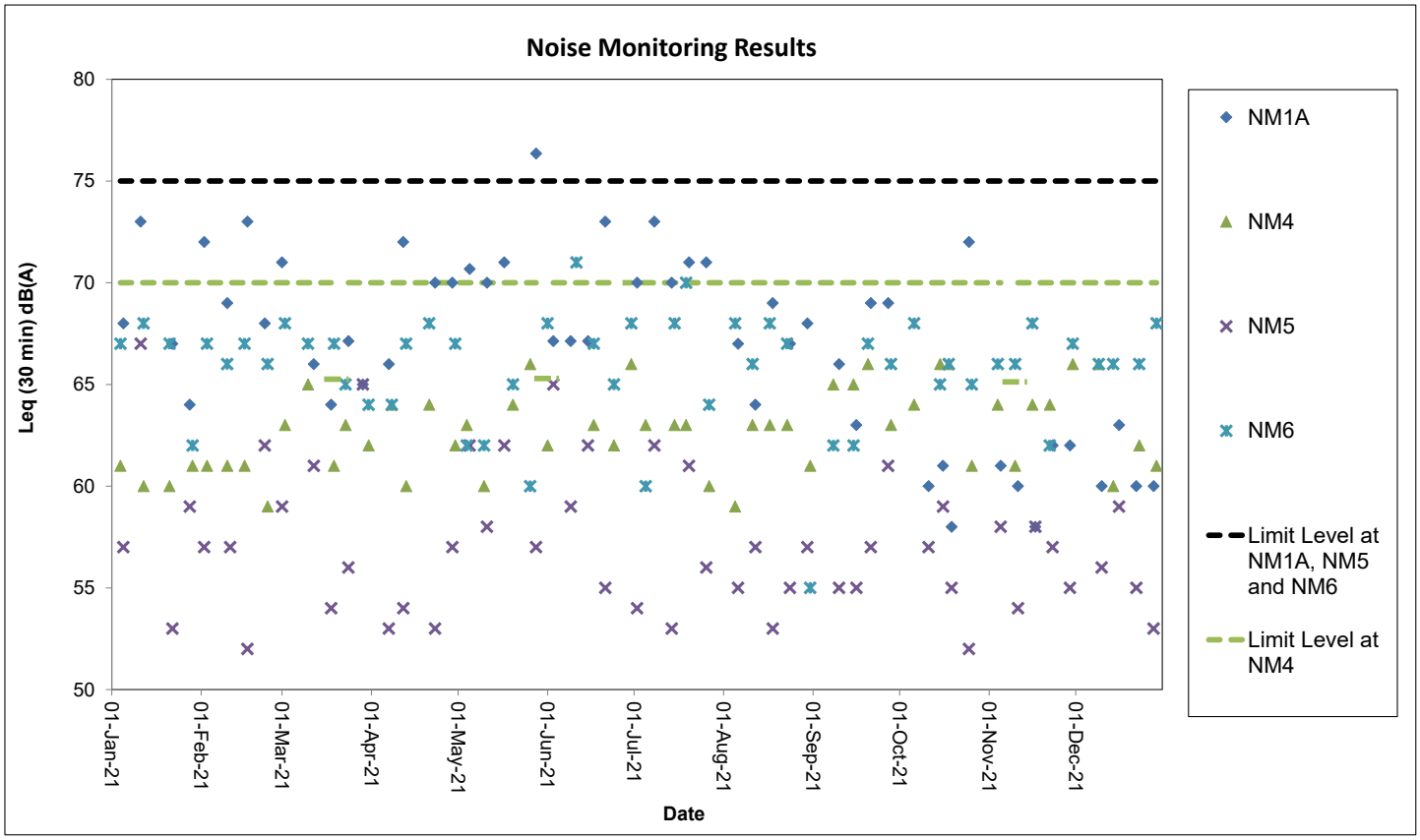
Notes

1. The key activities of the Project carried out in the reporting period are located in reclamation areas and existing airport island respectively. Works in the reclamation areas included deep cement mixing (DCM) works, marine filling, seawall construction, together with runway and associated works such as bored piling for approach lights. Land-based works on existing airport island involved mainly airfield works, foundation and substructure work for Terminal 2 expansion, modification and tunnel work for Automated People Mover (APM) and Baggage Handling System (BHS), and preparation work for utilities, with activities include site establishment, site office construction, road and drainage works, cable ducting, demolition, piling, and excavation works.

2. General weather condition during monitoring ranged from sunny to overcast. Detailed meteorological conditions should be referred to Table 2.3 of this Report and correspsonding Monthly EM&A Reports.

3. QA/ QC requirements as stipulated in the EM&A Manual was carried out during measurement.

Noise Monitoring Results



Notes

1. The Limit Level is reduced to 70dB(A) for school and 65db(A) during school examination period at NM4. School examination took place from 18 to 24 March, 31 May to 4 June, 7, 8, 11, 15, 16, 21 June, 13 July, and 8 to 12 November during this reporting period.

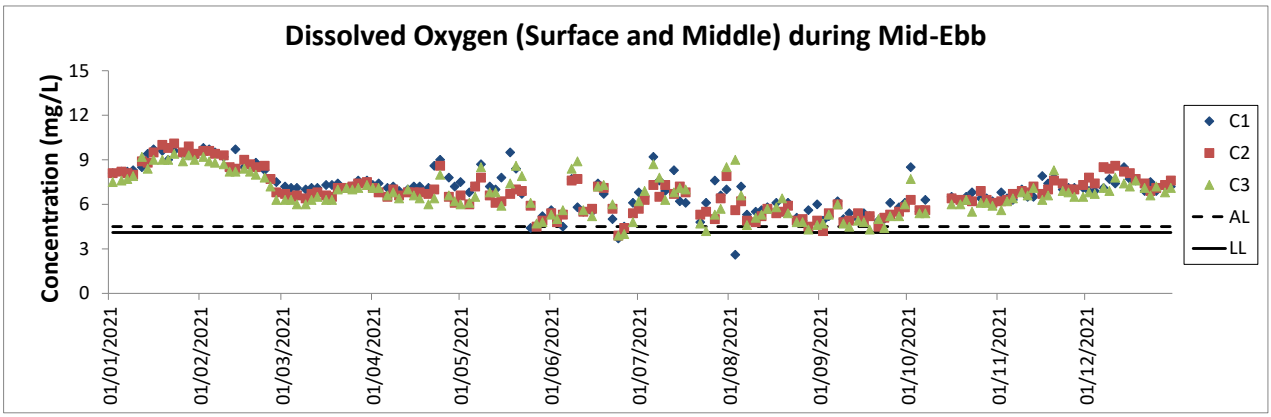
2. Noise monitoring at NM3A was temporarily suspended starting from 1 Sep 2018 and would be resumed with the completion of the Tung Chung East Development.

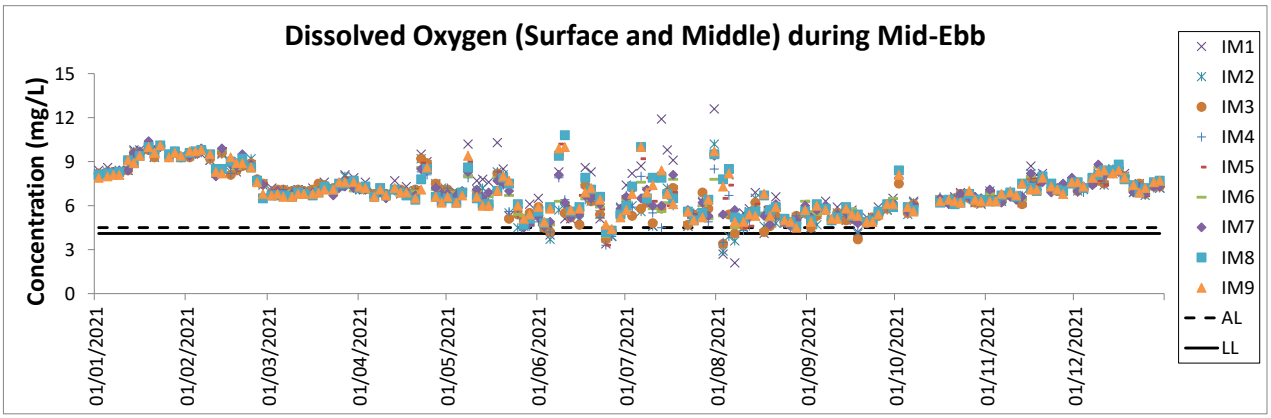
3. The key activities of the Project carried out in the reporting period are located in reclamation areas and existing airport island respectively. Works in the reclamation areas included deep cement mixing (DCM) works, marine filling, seawall construction, together with runway and associated works such as bored piling for approach lights. Land-based works on existing airport island involved mainly airfield works, foundation and substructure work for Terminal 2 expansion, modification and tunnel work for Automated People Mover (APM) and Baggage Handling System (BHS), and preparation work for utilities, with activities include site establishment, site office construction, road and drainage works, cable ducting, demolition, piling, and excavation works.

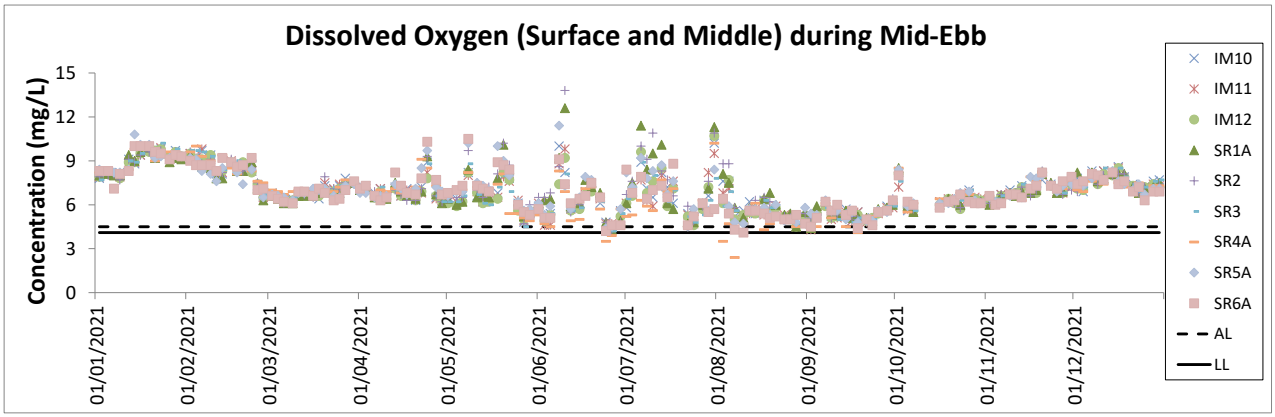
4. General weather condition during monitoring ranged from sunny to drizzle. Detailed meteorological conditions should be referred to Table 2.6 of this Report and corresponding Monthly EM&A Reports.

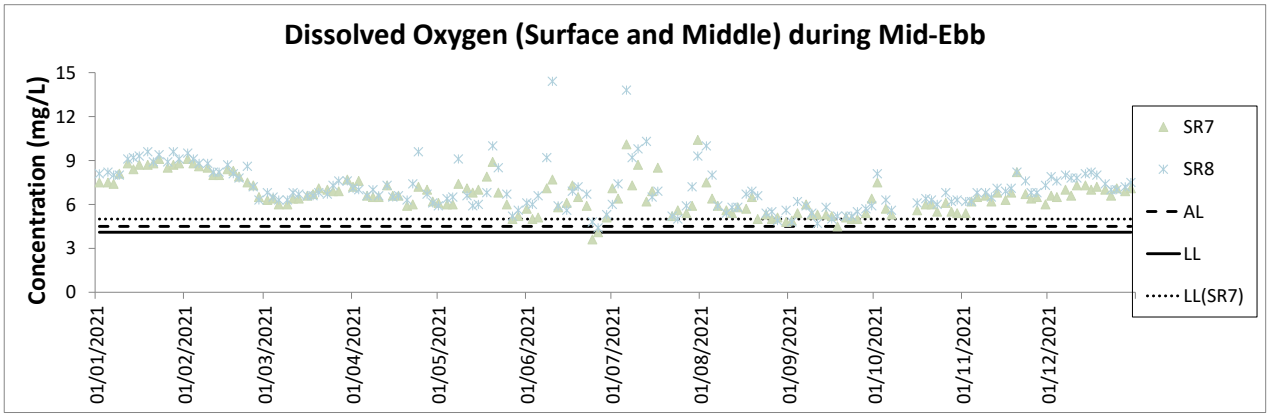
5. QA/ QC requirements as stipulated in the EM&A Manual was carried out during measurement.

Water Quality Monitoring Results



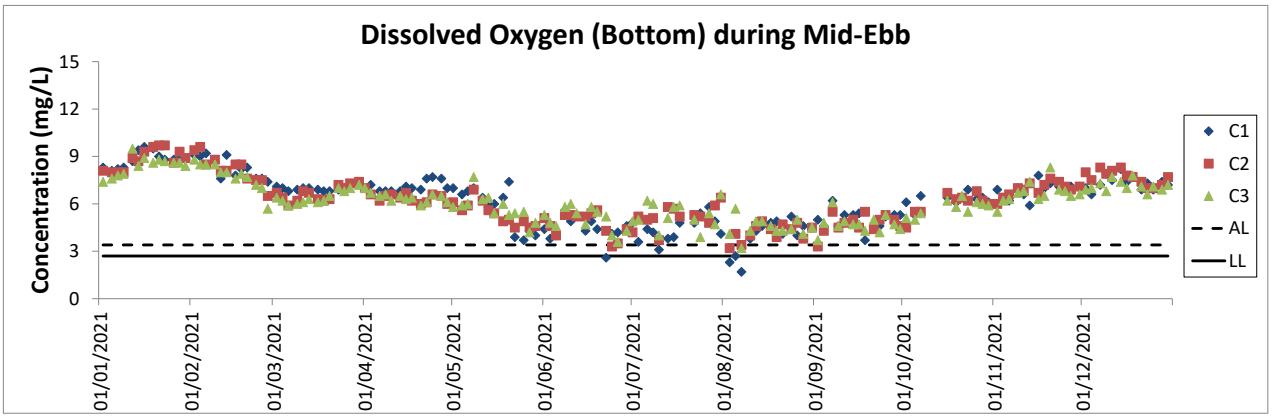


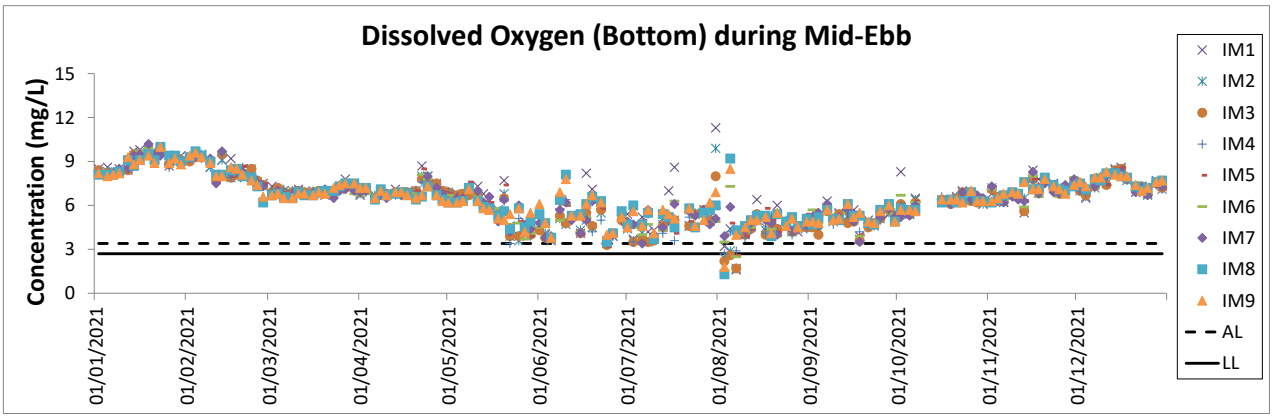


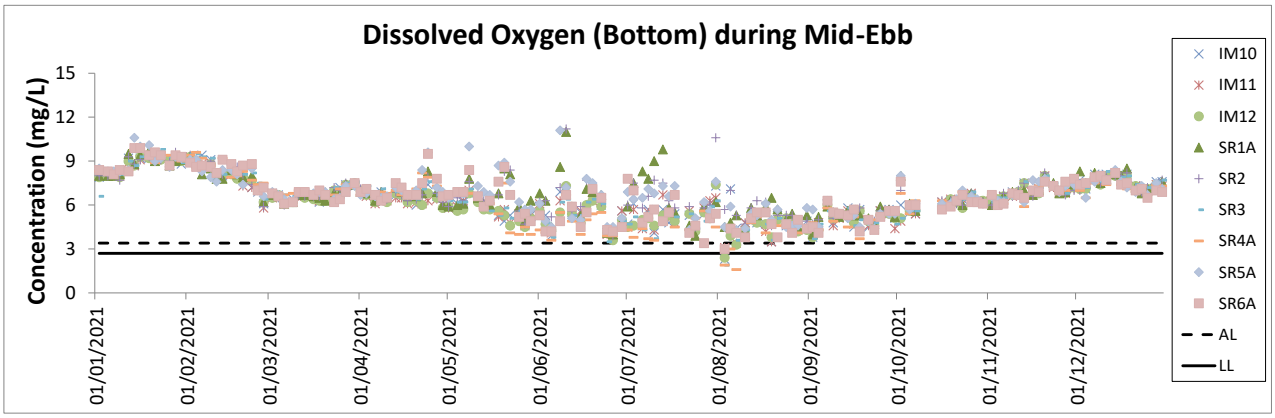


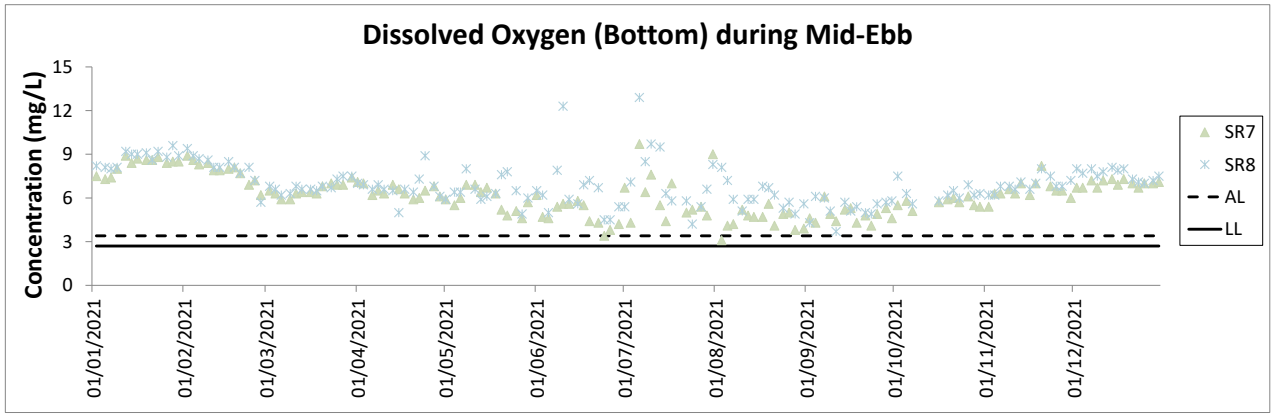
Notes:

1. The key marine works activities of the Project during monitoring included DCM works, marine filling, seawall construction, together with runway and associated works such as bored piling for approach lights.
2. General weather condition during monitoring ranged from sunny to rainy, with sea condition ranged from calm to rough. Detailed meteorological conditions should be referred to Table 2.10 of this Report and corresponding Monthly EM&A Reports.
3. QA/ QC requirements as stipulated in the EM&A Manual was carried out during measurement.



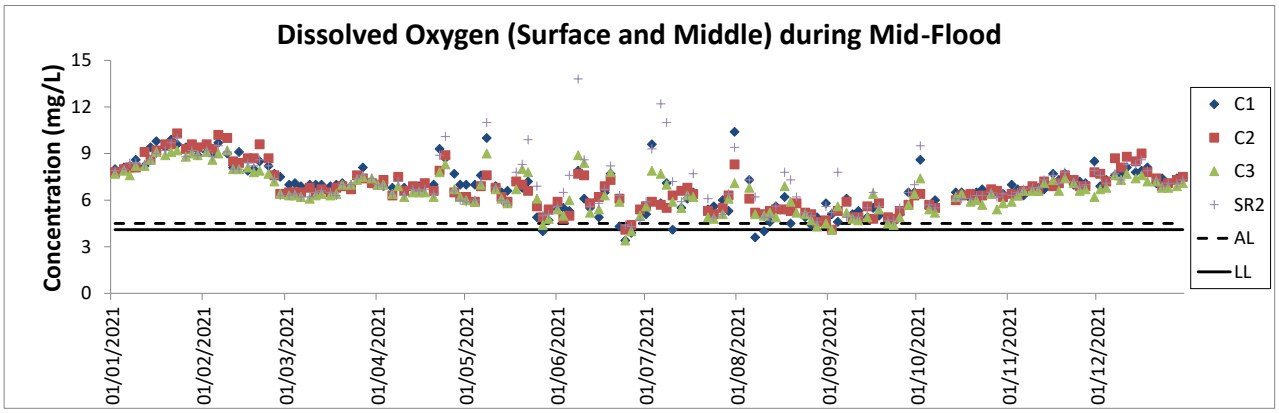


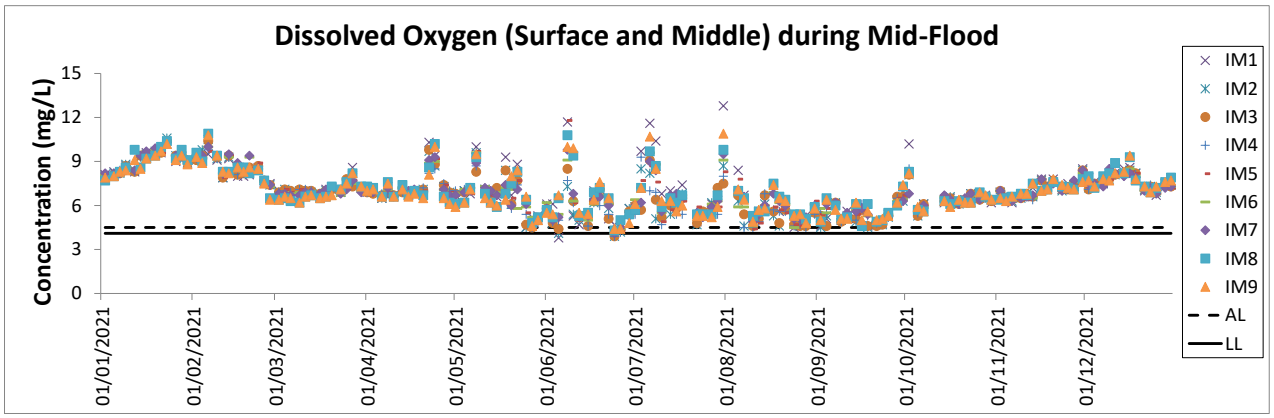


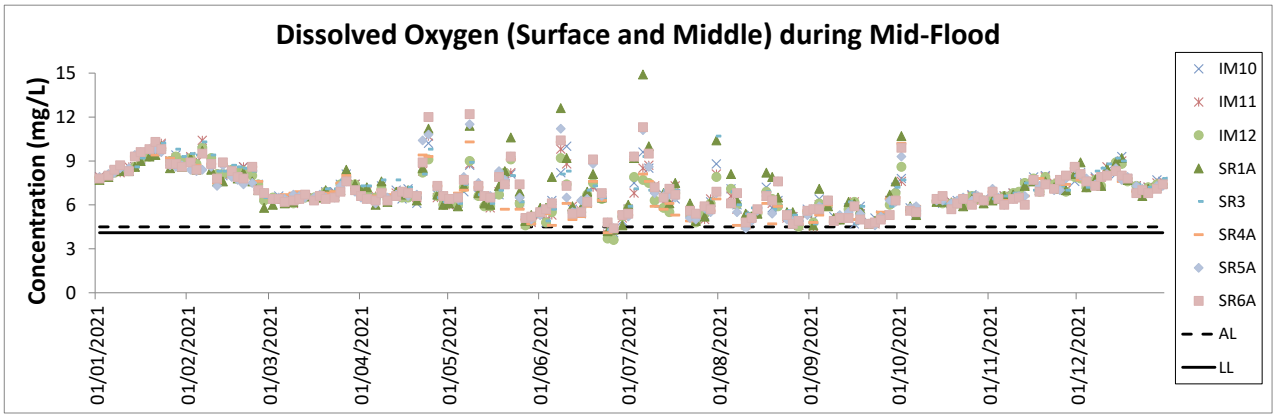


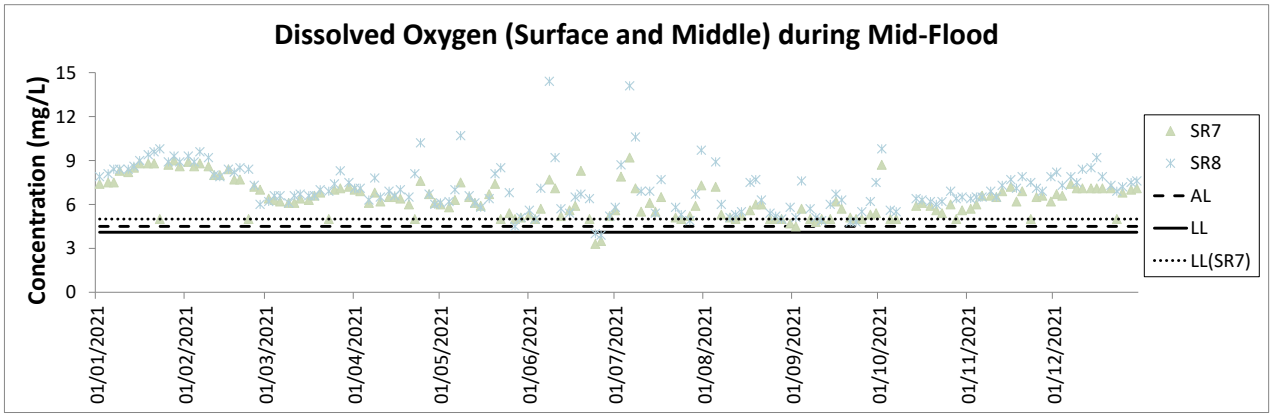
Notes:

1. The key marine works activities of the Project during monitoring included DCM works, marine filling, seawall construction, together with runway and associated works such as bored piling for approach lights.
2. General weather condition during monitoring ranged from sunny to rainy, with sea condition ranged from calm to rough. Detailed meteorological conditions should be referred to Table 2.10 of this Report and corresponding Monthly EM&A Reports.
3. QA/ QC requirements as stipulated in the EM&A Manual was carried out during measurement.



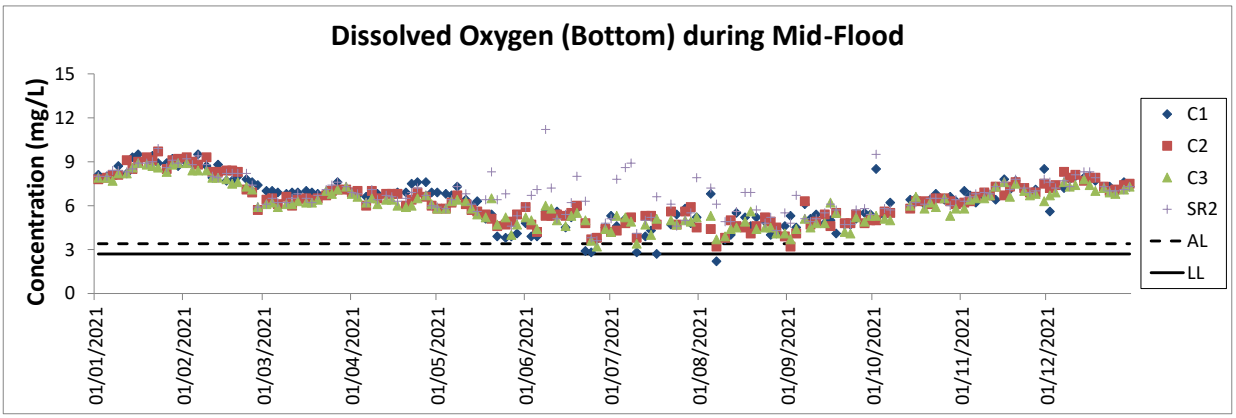


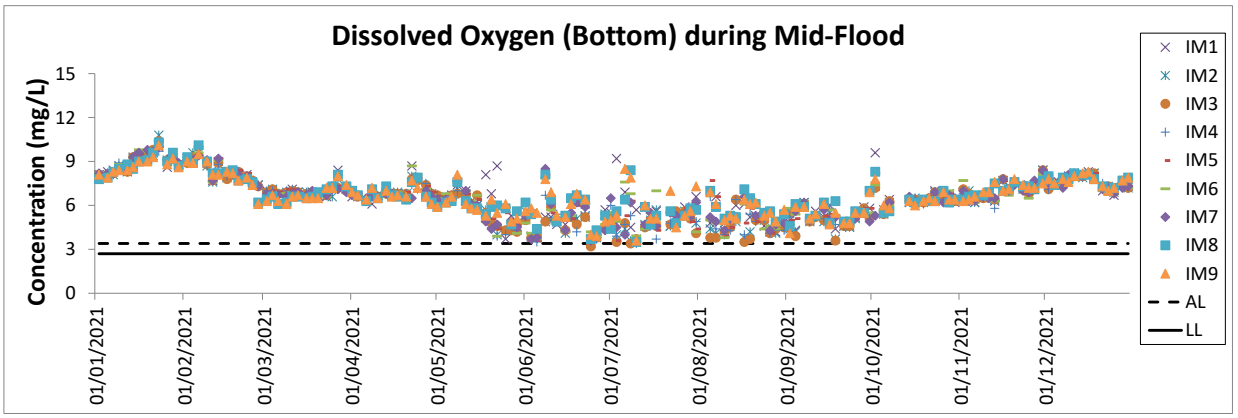


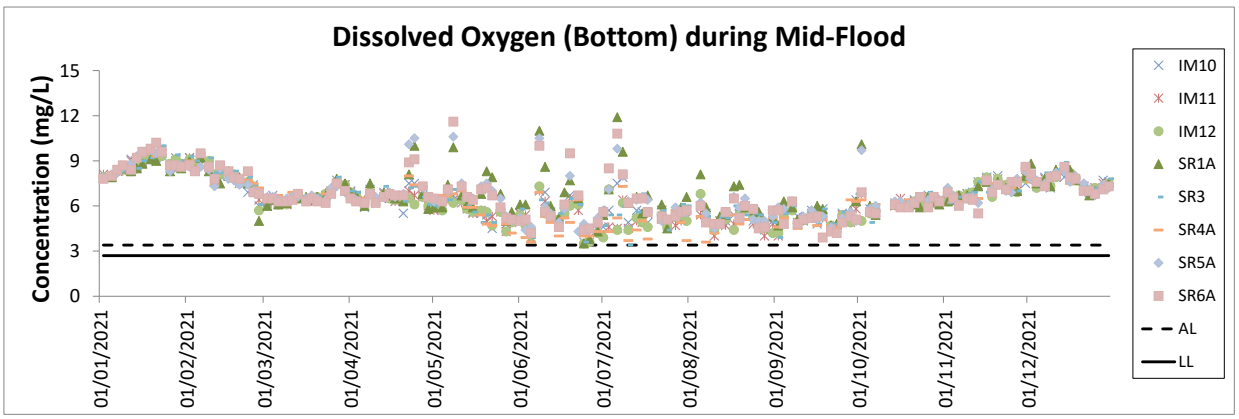


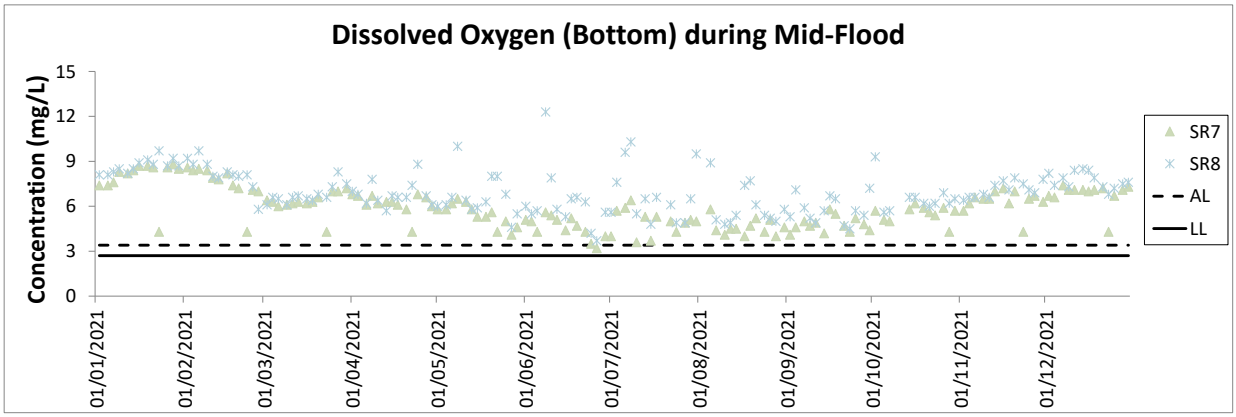
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1. The key marine works activities of the Project during monitoring included DCM works, marine filling, seawall construction, together with runway and associated works such as bored piling for approach lights.
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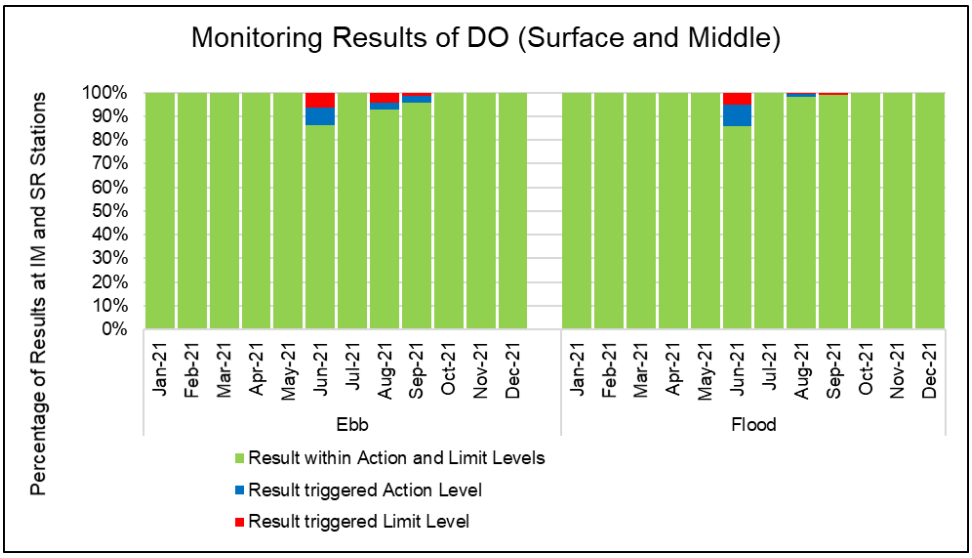


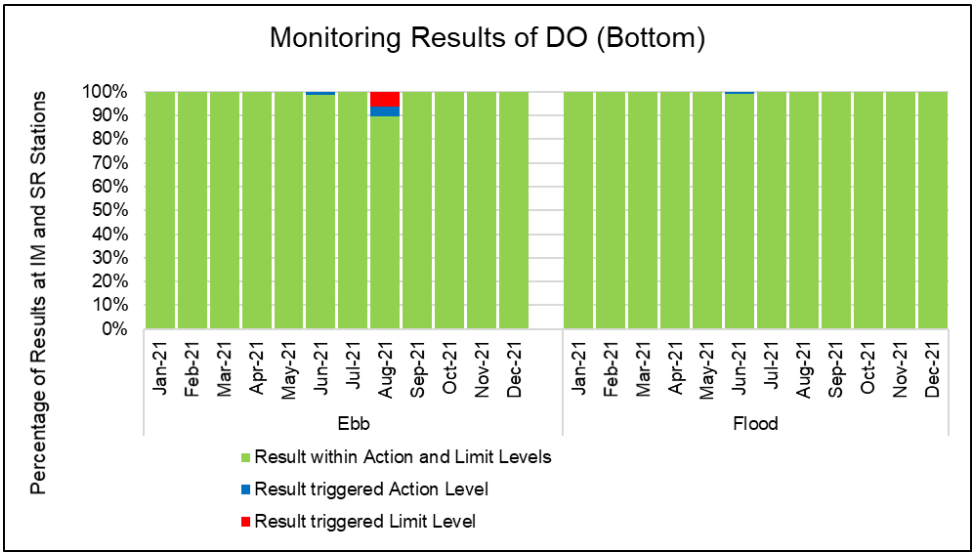




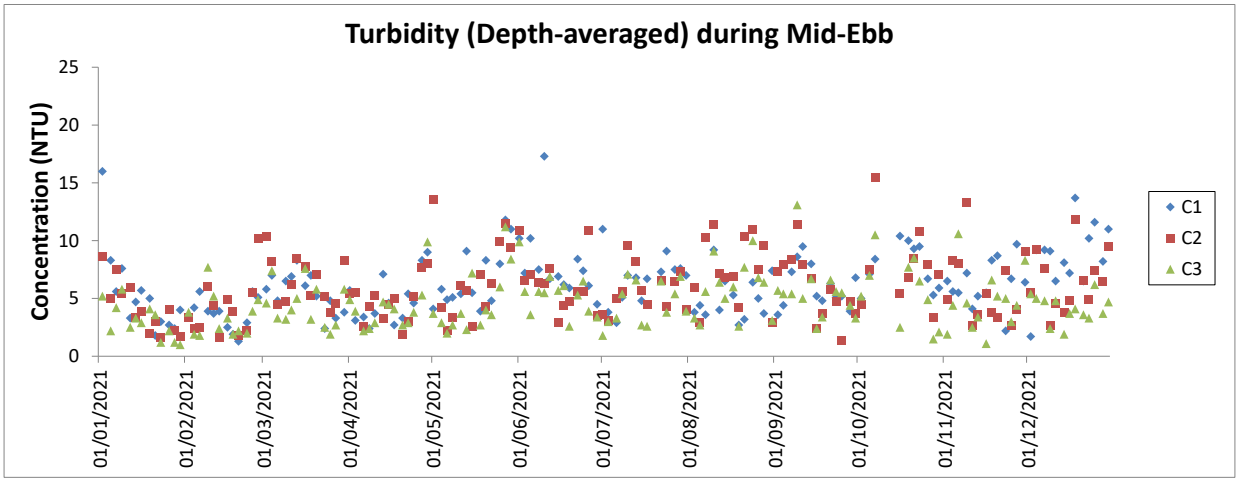
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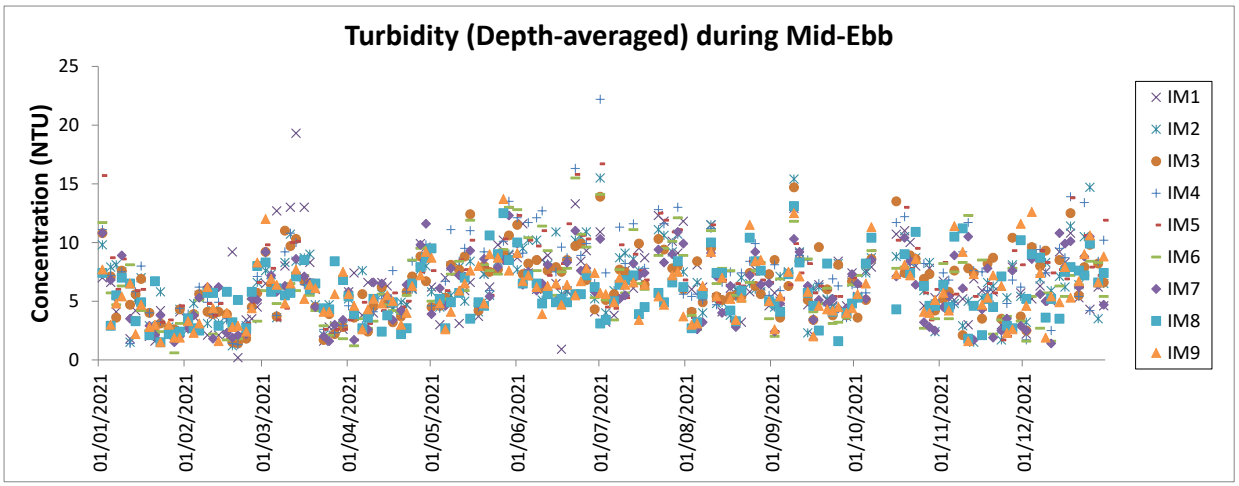
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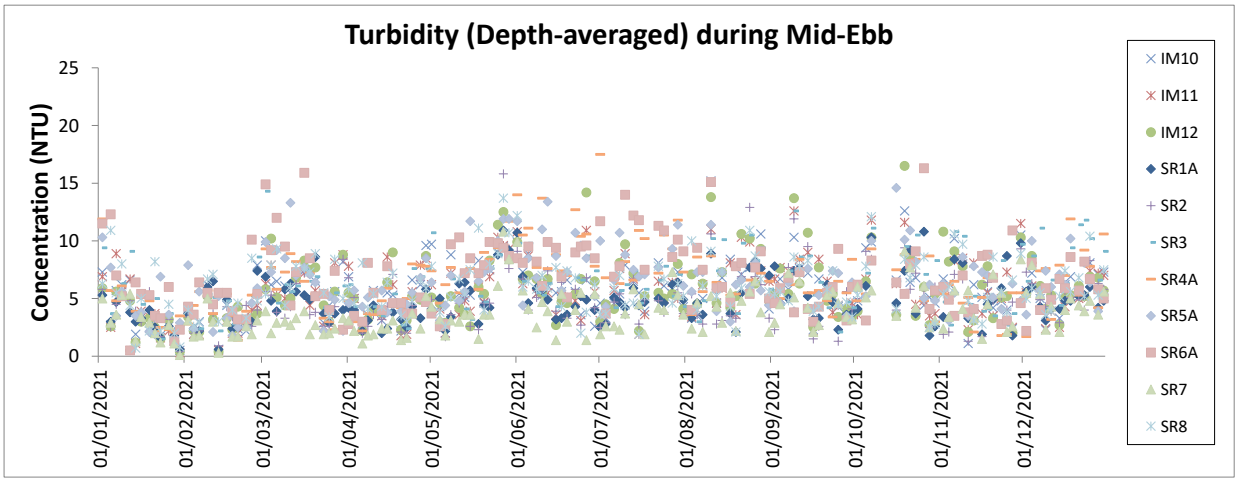




During the reporting period, 1.8% of the DO monitoring results at surface and middle water level and 0.5% of the DO monitoring results at bottom water level triggered the corresponding Action or Limit Level. All results triggering the corresponding Action or Limit level were collected during the wet season (June to September), particularly in June and August, which suggest the observation of seasonal effect on the DO monitoring results. Based on above observations, as well as the relevant investigation findings presented in the Construction Phase Monthly EM&A Reports, it is considered that the Project did not cause adverse impact on DO level at all water quality sensitive receivers.

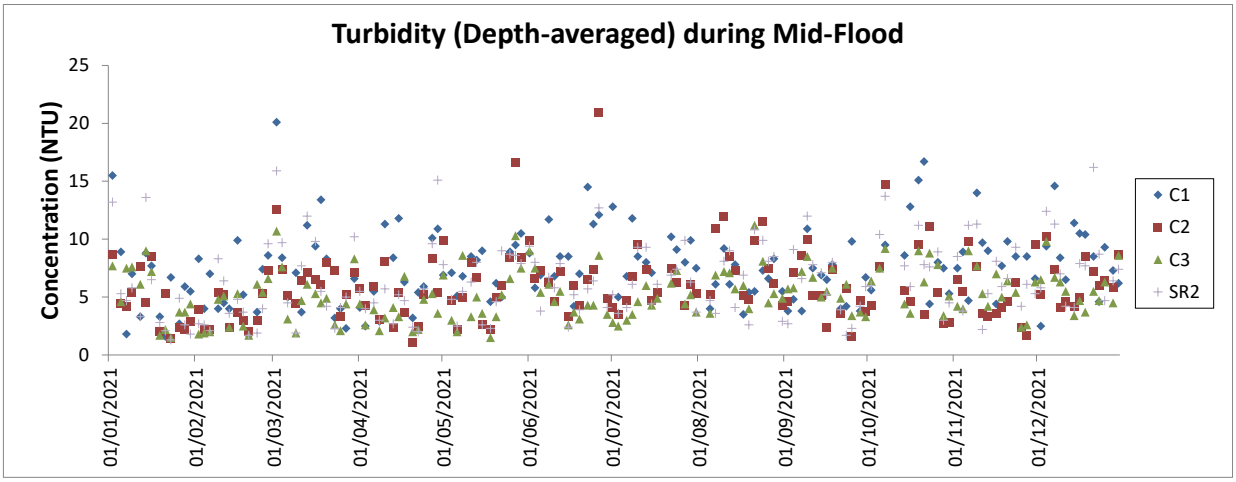


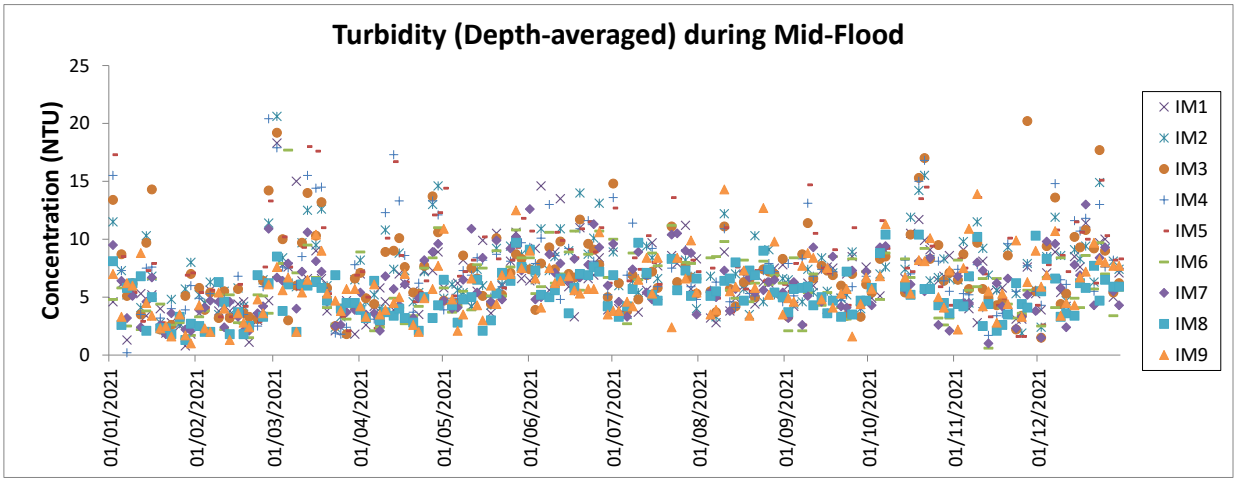


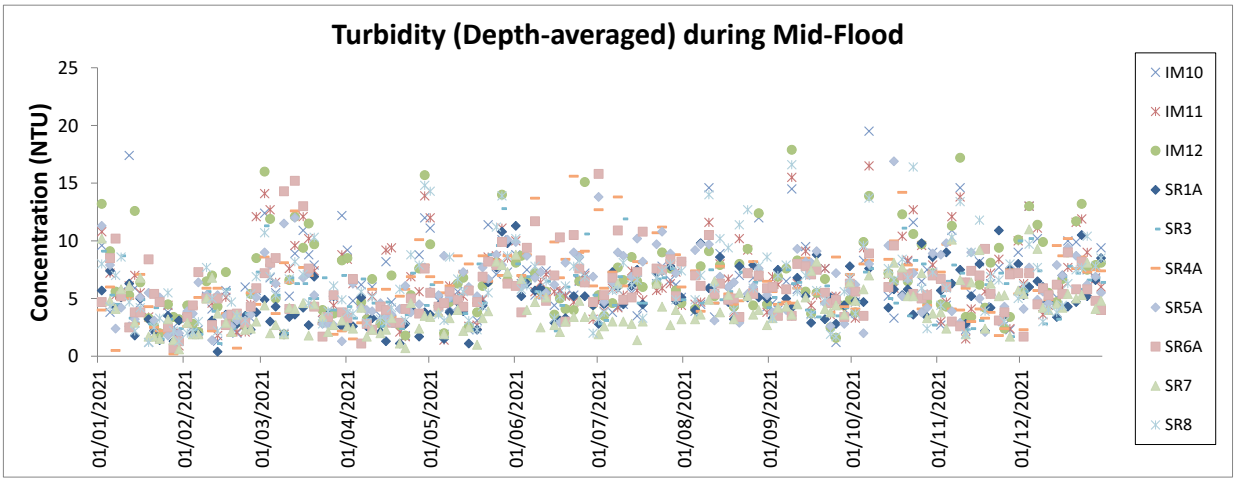


Notes:

1. The Action and Limit Levels can be referred to Table 2.8 of the Annual EM&A Report.
2. The key marine works activities of the Project during monitoring included DCM works, marine filling, seawall construction, together with runway and associated works such as bored piling for approach lights.
3. General weather condition during monitoring ranged from sunny to rainy, with sea condition ranged from calm to rough. Detailed meteorological conditions should be referred to Table 2.10 of this Report and corresponding Monthly EM&A Reports.
4. QA/ QC requirements as stipulated in the EM&A Manual was carried out during measurement.

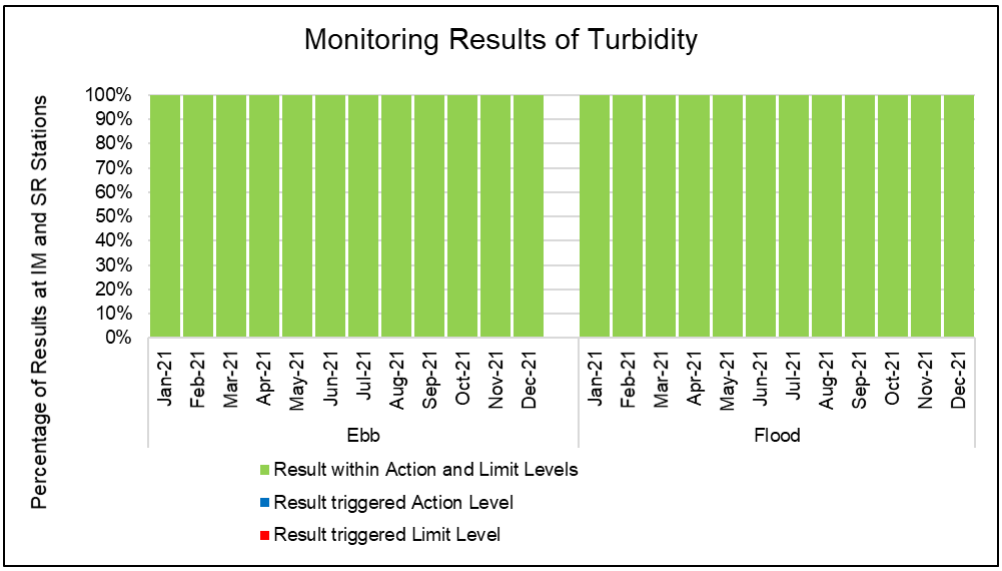




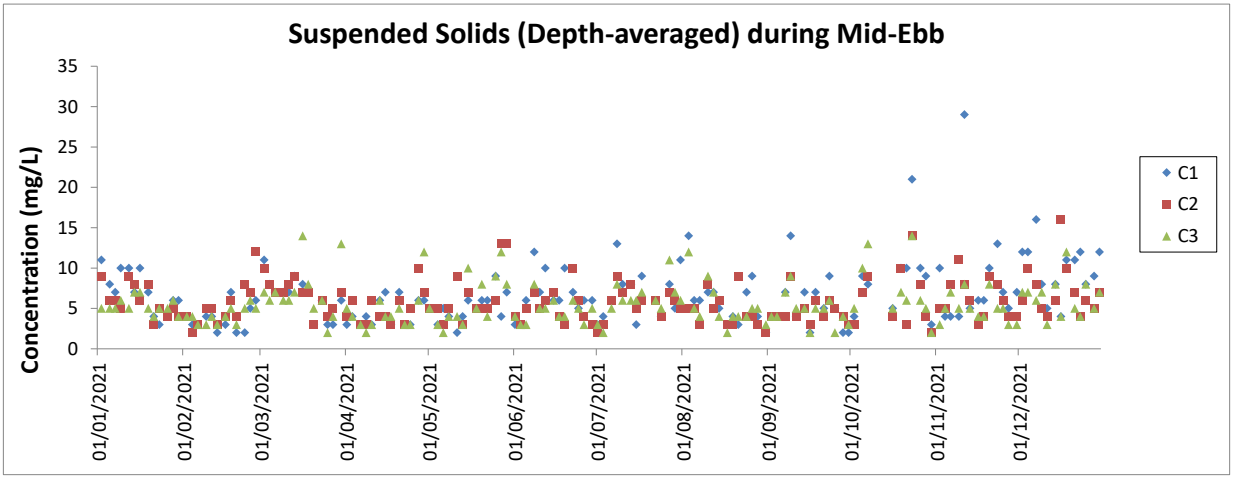


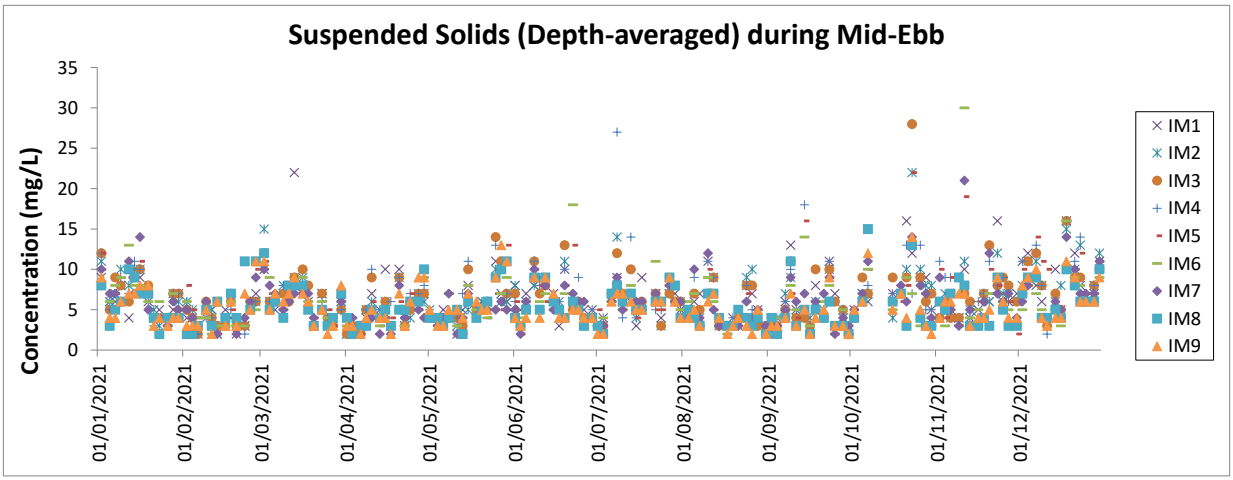
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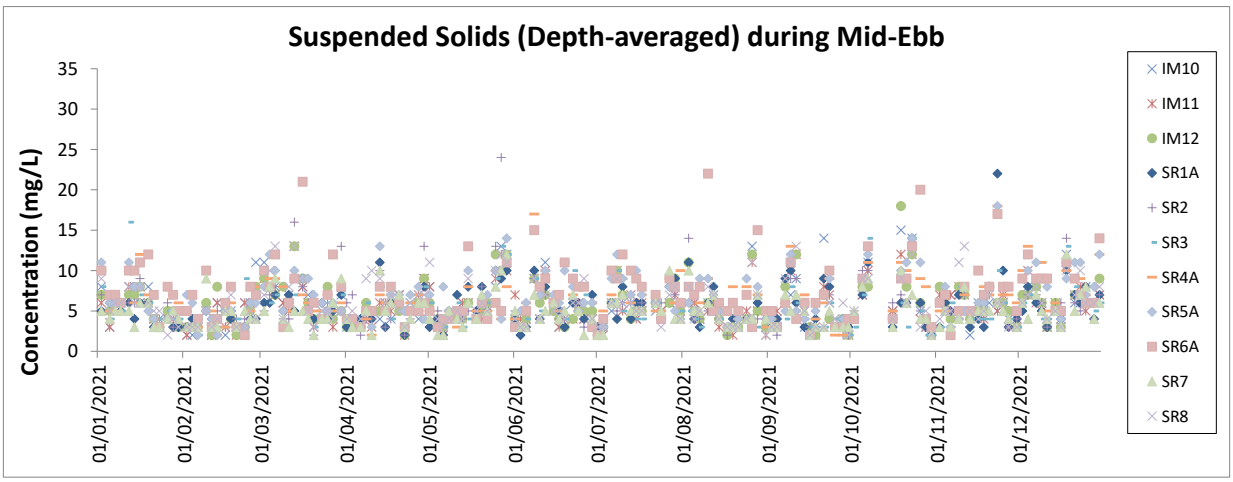
1. The Action and Limit Levels can be referred to Table 2.8 of the Annual EM&A Report.
2. The key marine works activities of the Project during monitoring included DCM works, marine filling, seawall construction, together with runway and associated works such as bored piling for approach lights.
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4. QA/ QC requirements as stipulated in the EM&A Manual was carried out during measurement.



All turbidity monitoring results in the reporting period were within the corresponding Action and Limit Levels.

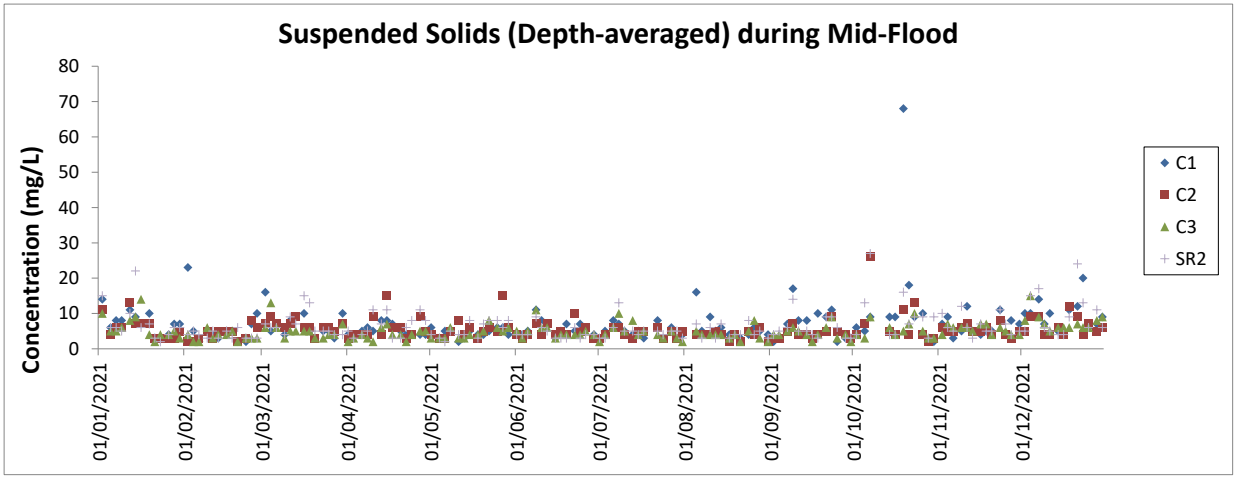


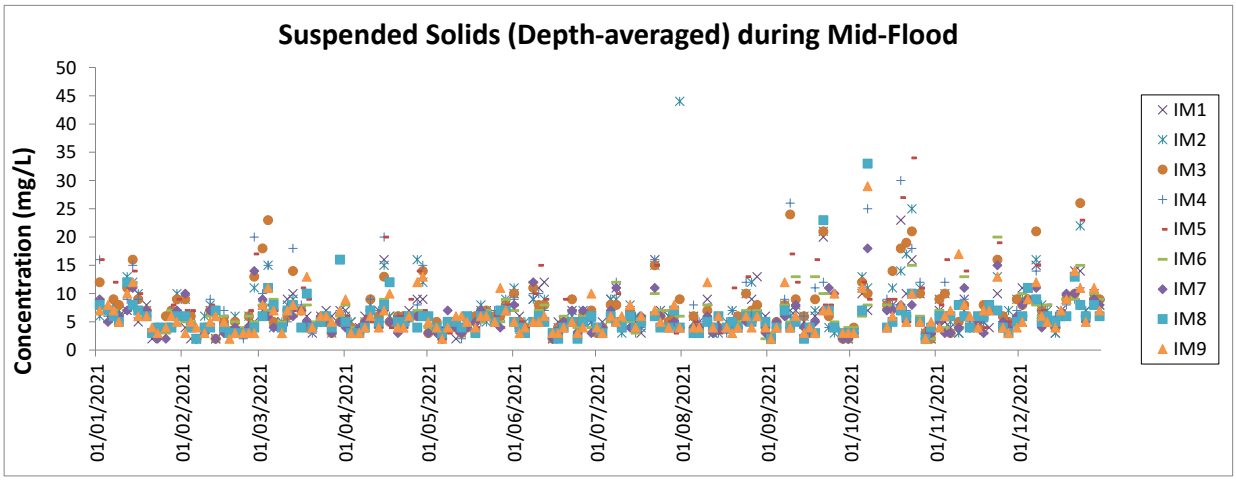


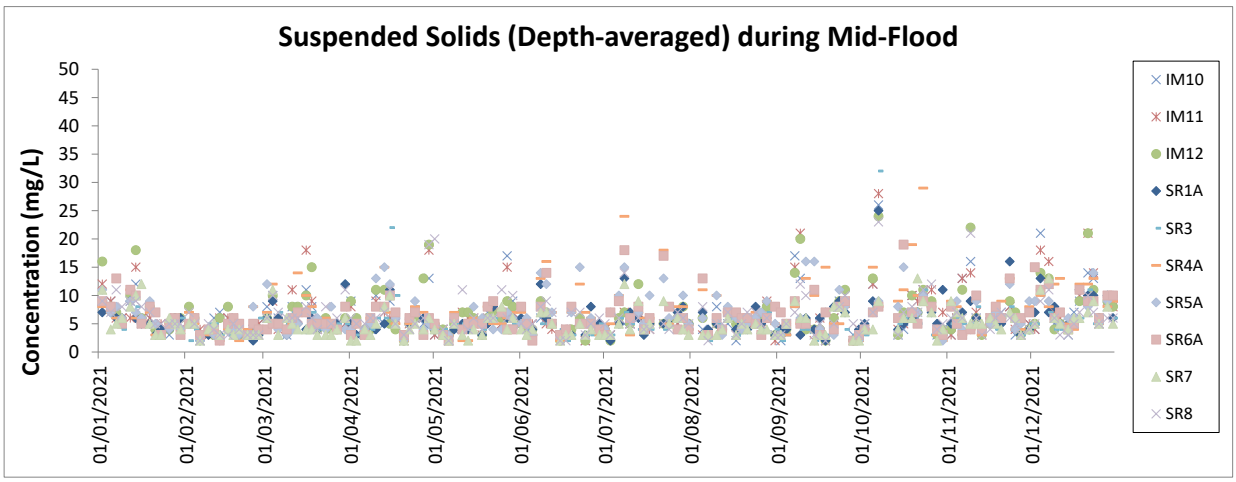


Notes:

1. The Action and Limit Levels can be referred to Table 2.8 of the Annual EM&A Report.
2. The key marine works activities of the Project during monitoring included DCM works, marine filling, seawall construction, together with runway and associated works such as bored piling for approach lights.
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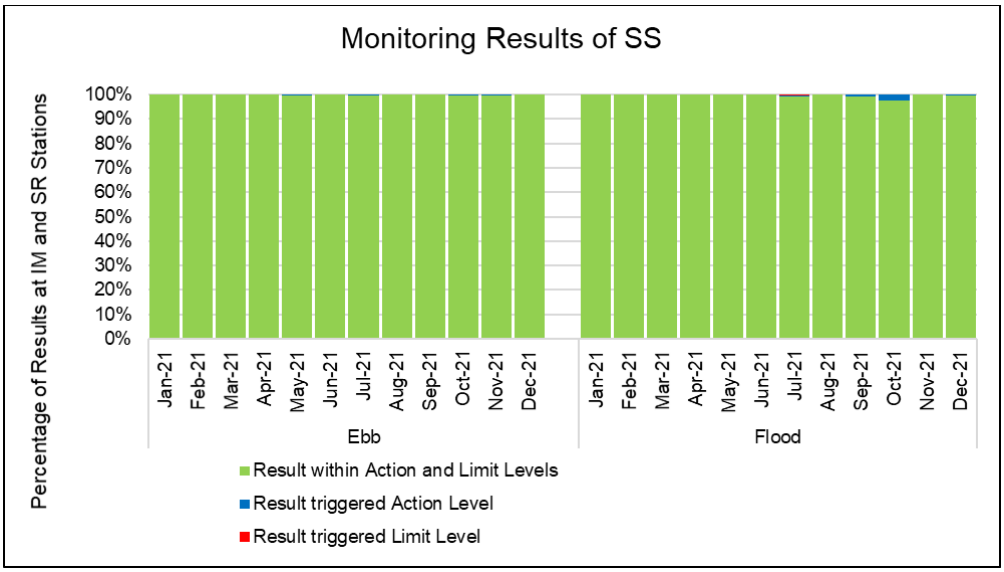




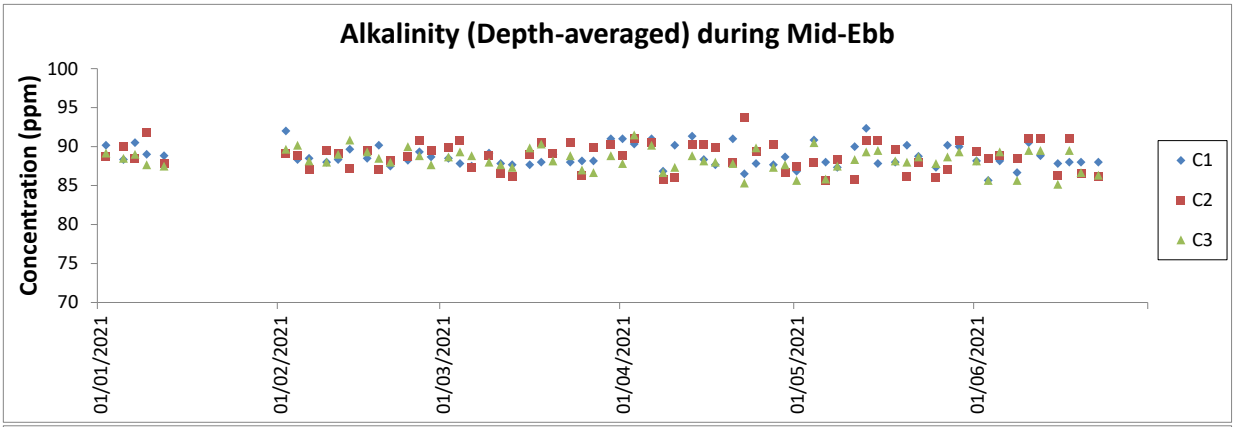


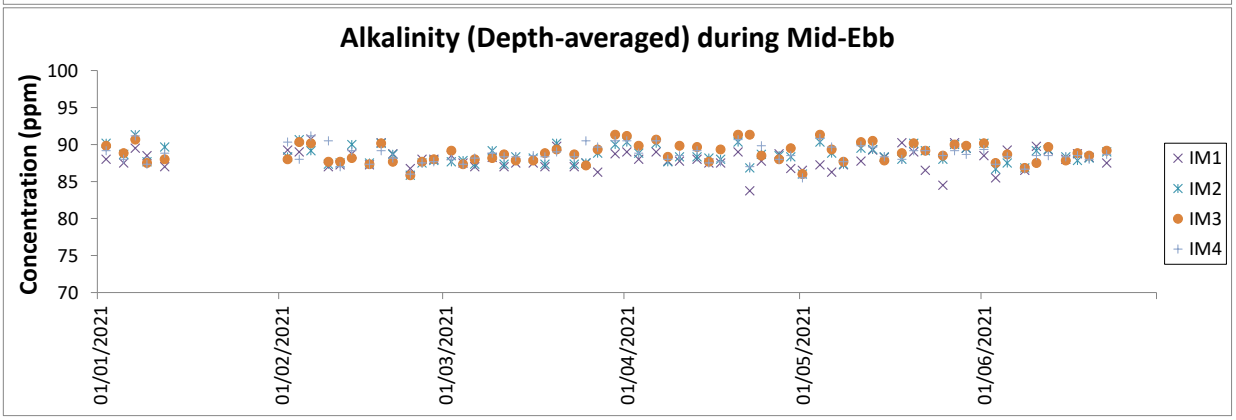
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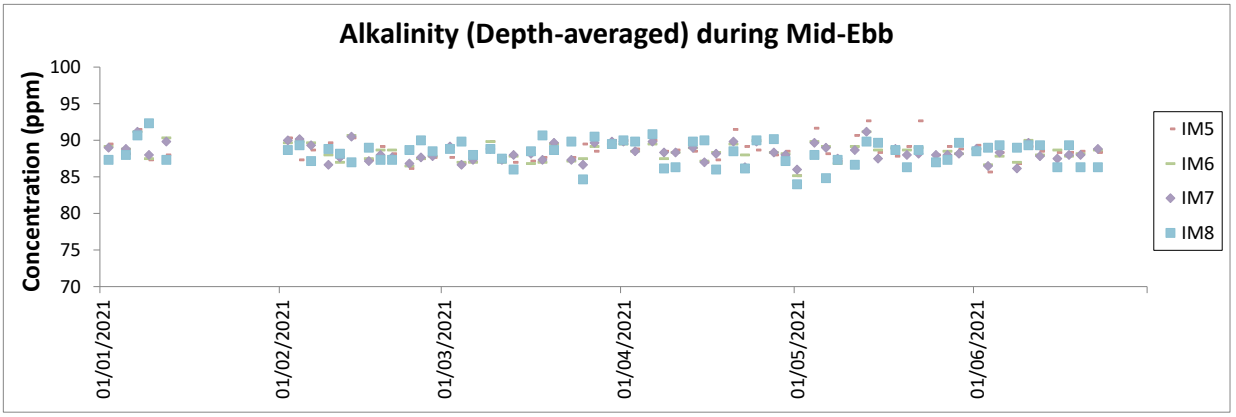
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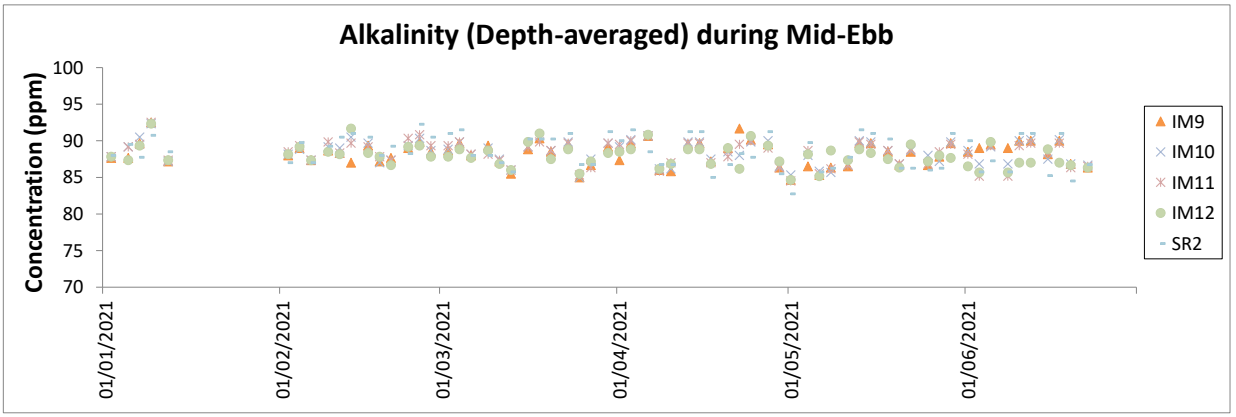


During the reporting period, 0.2% of the SS monitoring results triggered the corresponding Action or Limit Levels. Due to the small number of results triggering the Action or Limit Levels, and the relevant investigation findings presented in the Construction Phase Monthly EM&A Reports, it is considered that the Project did not cause adverse impact on SS level at all water quality sensitive receivers.



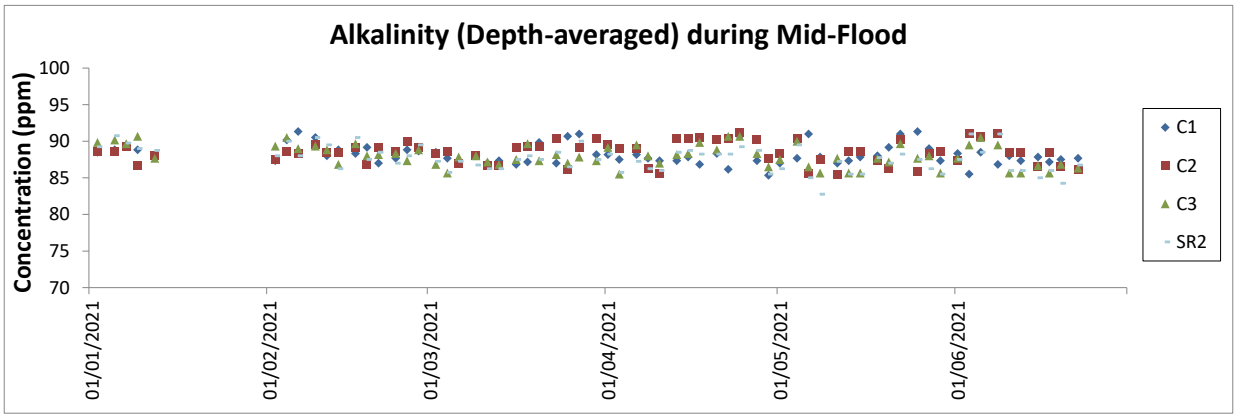


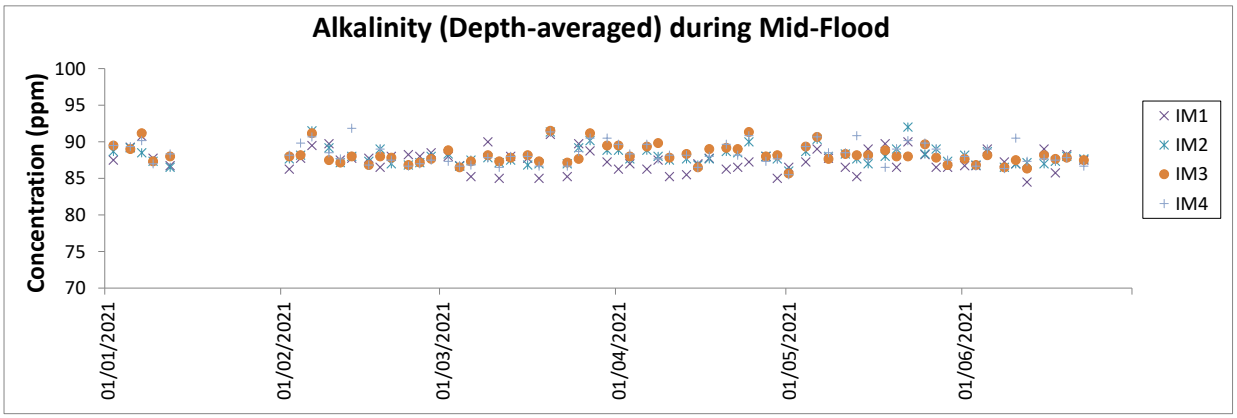


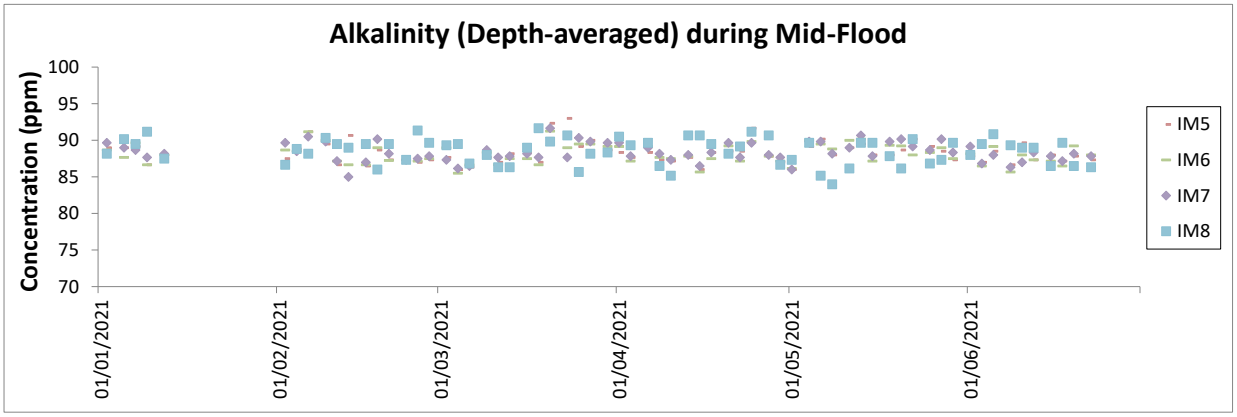


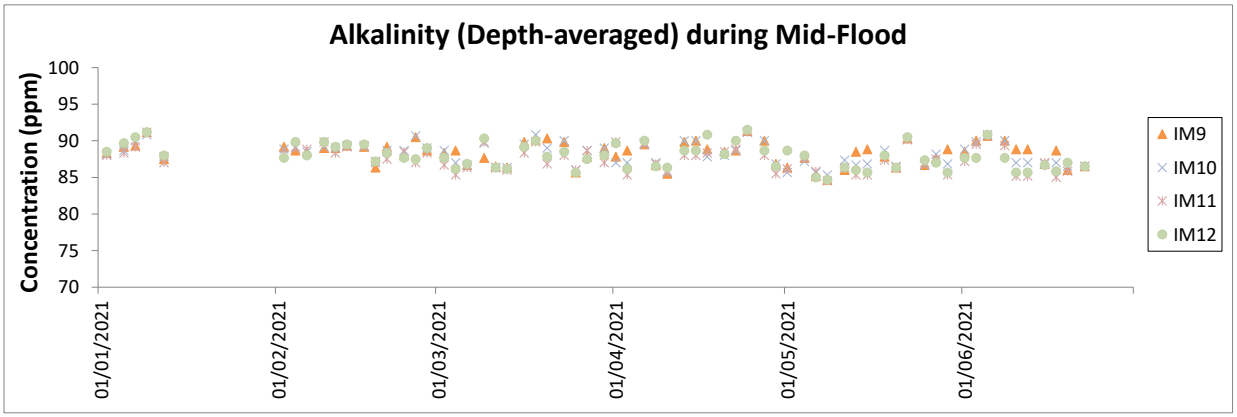
Notes:

1. The Action and Limit Levels can be referred to Table 2.8 of the Annual EM&A Report.
2. The key marine works activities of the Project during monitoring included DCM works, marine filling, seawall construction, together with runway and associated works such as bored piling for approach lights.
3. General weather condition during monitoring ranged from sunny to rainy, with sea condition ranged from calm to rough. Detailed meteorological conditions should be referred to Table 2.10 of this Report and corresponding Monthly EM&A Reports.
4. QA/ QC requirements as stipulated in the EM&A Manual was carried out during measurement.
5. In view of the construction programme for marine-based DCM works, regular DCM monitoring was ceased since 14 January 2021 and resumed at all monitoring stations starting from 2 February 2021. The aforementioned marine-based DCM works were completed within May 2021, hence the regular DCM monitoring was ceased again at all monitoring stations starting from 24 June 2021 and would be resumed if there are marine-based DCM works in the coming future.



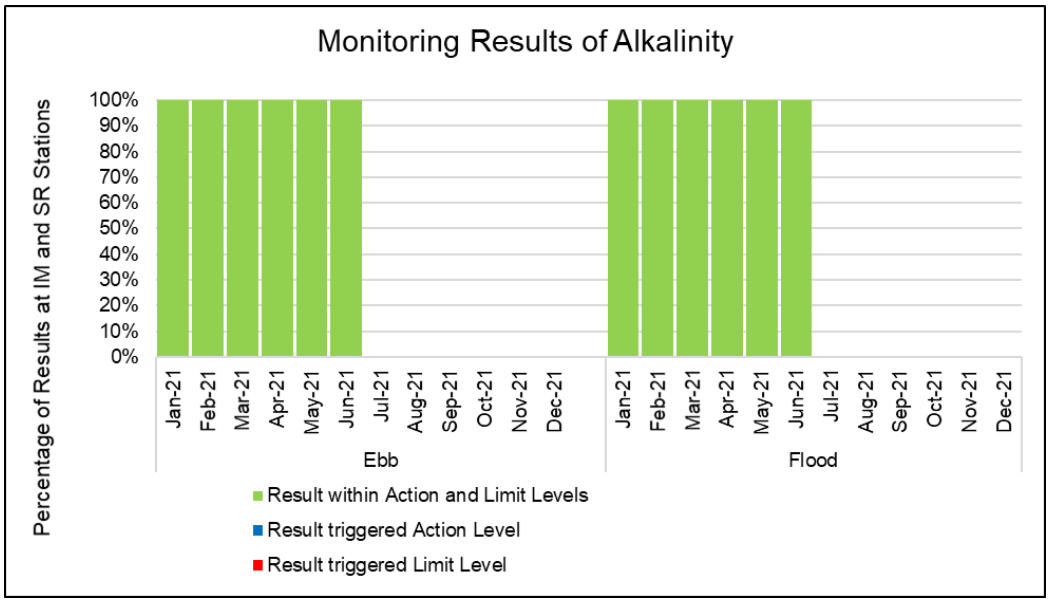






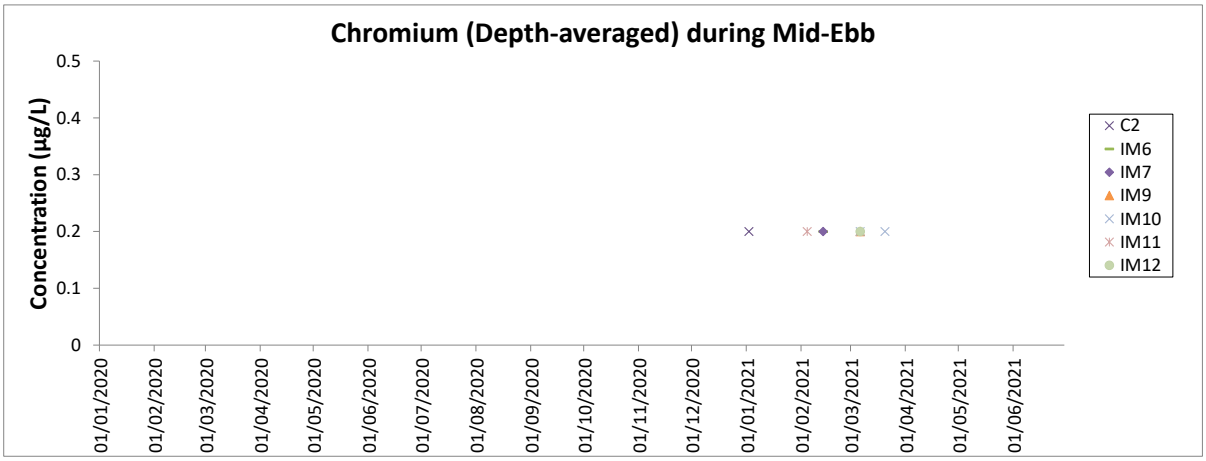
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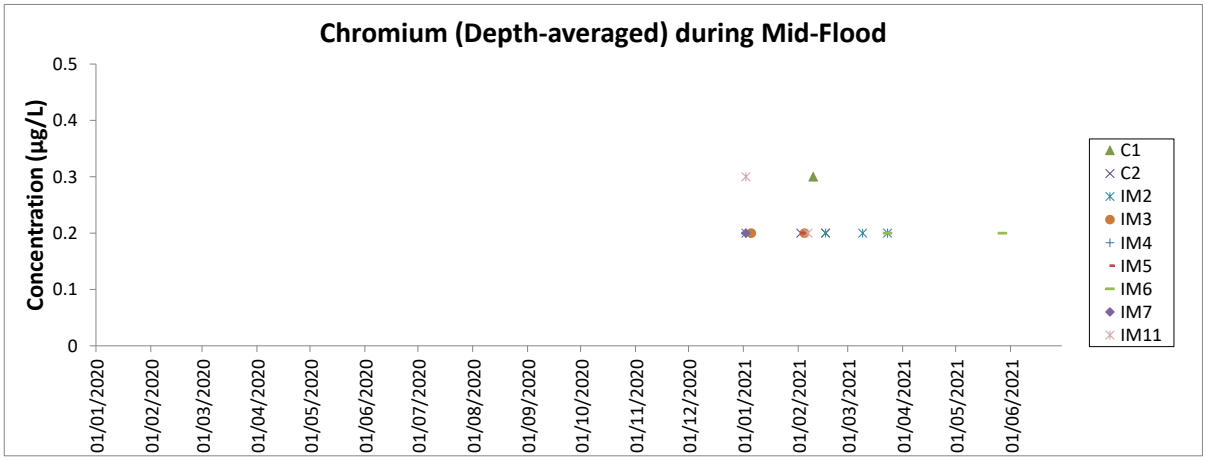
1. The Action and Limit Levels can be referred to Table 2.8 of the Annual EM&A Report.
2. The key marine works activities of the Project during monitoring included DCM works, marine filling, seawall construction, together with runway and associated works such as bored piling for approach lights.
3. General weather condition during monitoring ranged from sunny to rainy, with sea condition ranged from calm to rough. Detailed meteorological conditions should be referred to Table 2.10 of this Report and corresponding Monthly EM&A Reports.
4. QA/ QC requirements as stipulated in the EM&A Manual was carried out during measurement.
5. In view of the construction programme for marine-based DCM works, regular DCM monitoring was ceased since 14 January 2021 and resumed at all monitoring stations starting from 2 February 2021. The aforementioned marine-based DCM works were completed within May 2021, hence the regular DCM monitoring was ceased again at all monitoring stations starting from 24 June 2021 and would be resumed if there are marine-based DCM works in the coming future.



All alkalinity monitoring results in the reporting period were within the corresponding Action and Limit Levels.

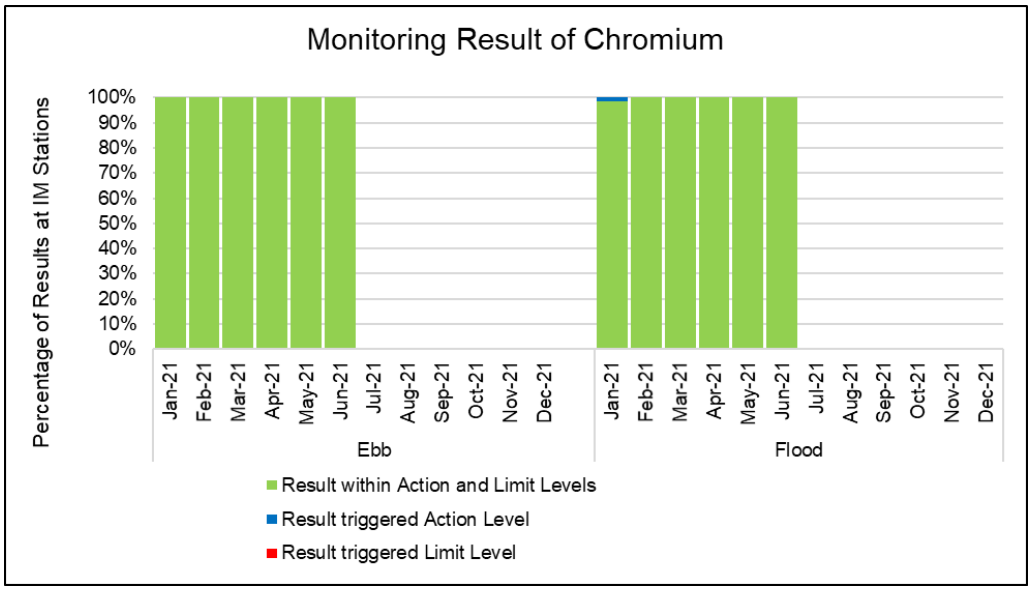
Due to the completion of all marine-based DCM works within May 2021, regular DCM monitoring was ceased at all monitoring stations starting from 24 June 2021 and would be resumed if there are marine-based DCM works in the coming future.





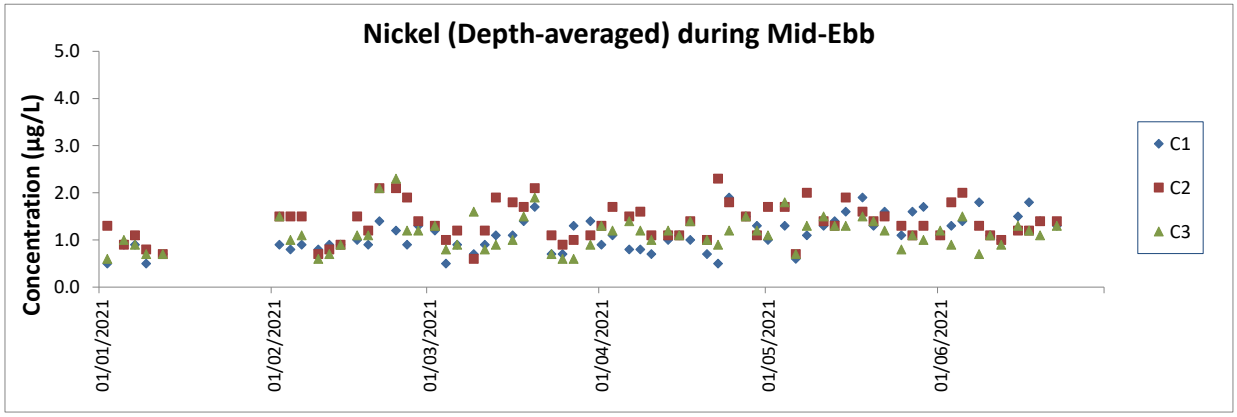
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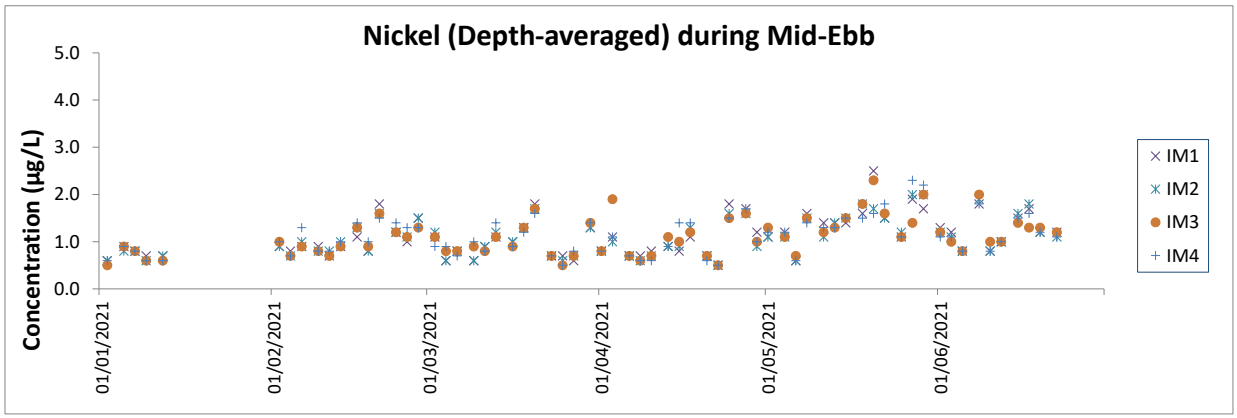
1. The Action and Limit Levels can be referred to Table 2.8 of the Annual EM&A Report.
2. The monitoring results of chromium at all other monitoring stations were below the reporting limit of 0.2 µg/L.
3. The key marine works activities of the Project during monitoring included DCM works, marine filling, seawall construction, together with runway and associated works such as bored piling for approach lights.
4. General weather condition during monitoring ranged from sunny to rainy, with sea condition ranged from calm to rough. Detailed meteorological conditions should be referred to Table 2.10 of this Report and corresponding Monthly EM&A Reports.
5. QA/ QC requirements as stipulated in the EM&A Manual was carried out during measurement.
6. In view of the construction programme for marine-based DCM works, regular DCM monitoring was ceased since 14 January 2021 and resumed at all monitoring stations starting from 2 February 2021. The aforementioned marine-based DCM works were completed within May 2021, hence the regular DCM monitoring was ceased again at all monitoring stations starting from 24 June 2021 and would be resumed if there are marine-based DCM works in the coming future.

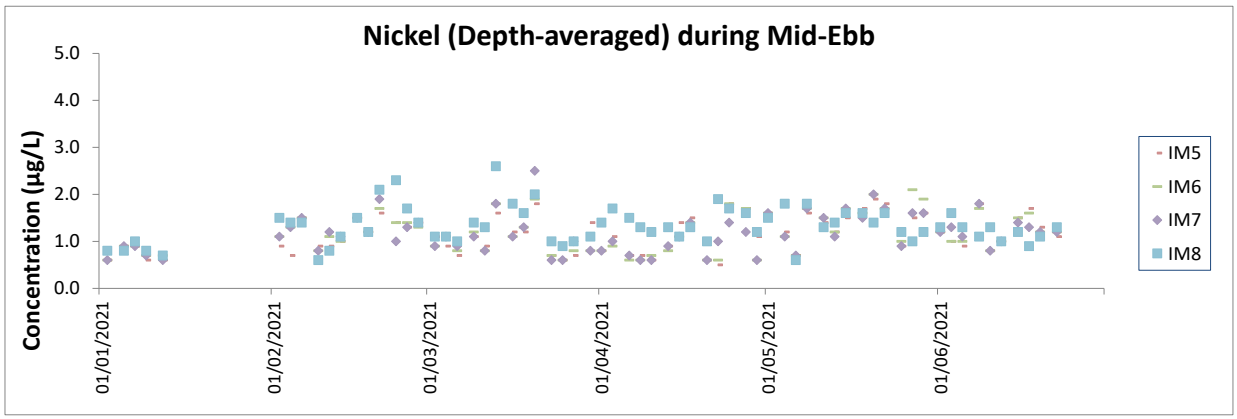


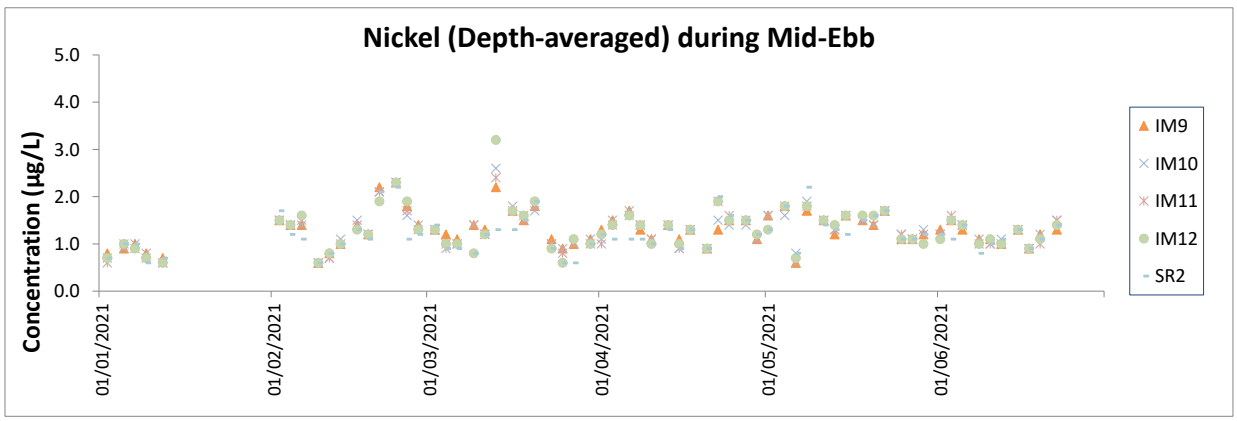
During the reporting period, one of the chromium monitoring results (0.06%) triggered the corresponding Action Level. It appeared that the only case occurred at a monitoring station upstream of the Project during the monitoring event, while no DCM work was conducted on the monitoring day; therefore, it was unlikely due to the Project.

Due to the completion of all marine-based DCM works within May 2021, regular DCM monitoring was ceased at all monitoring stations starting from 24 June 2021 and would be resumed if there are marine-based DCM works in the coming future.



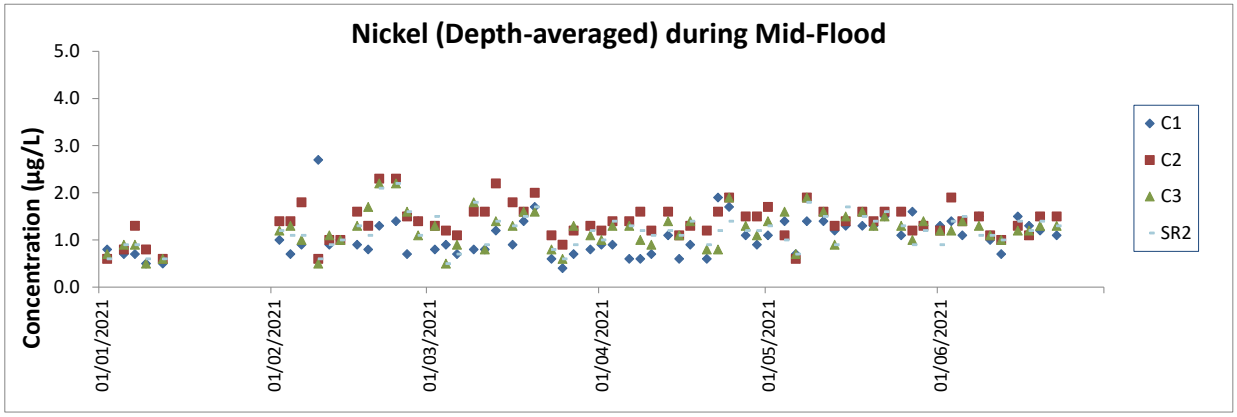


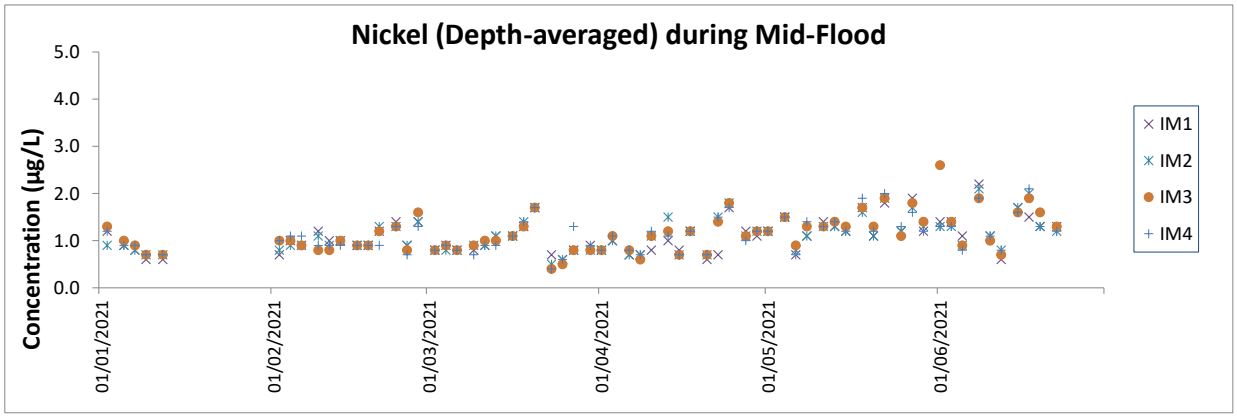


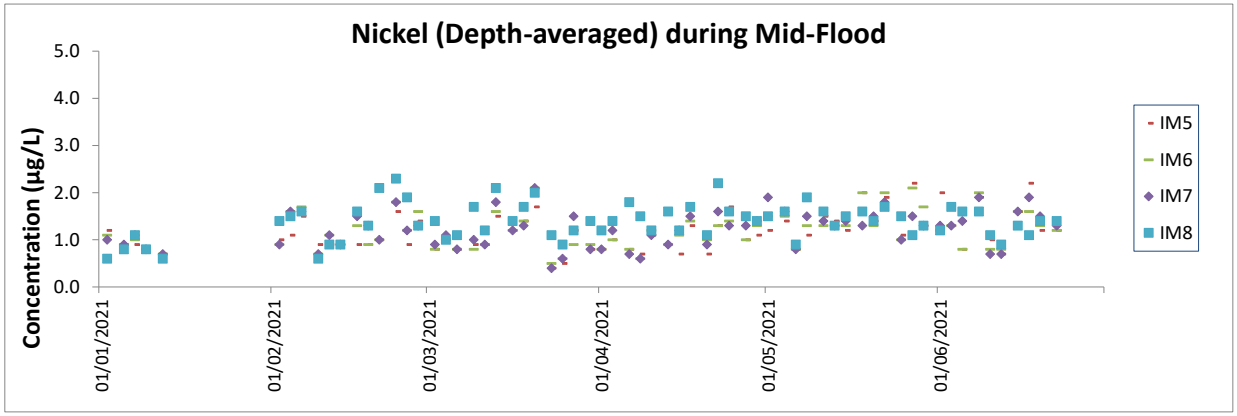


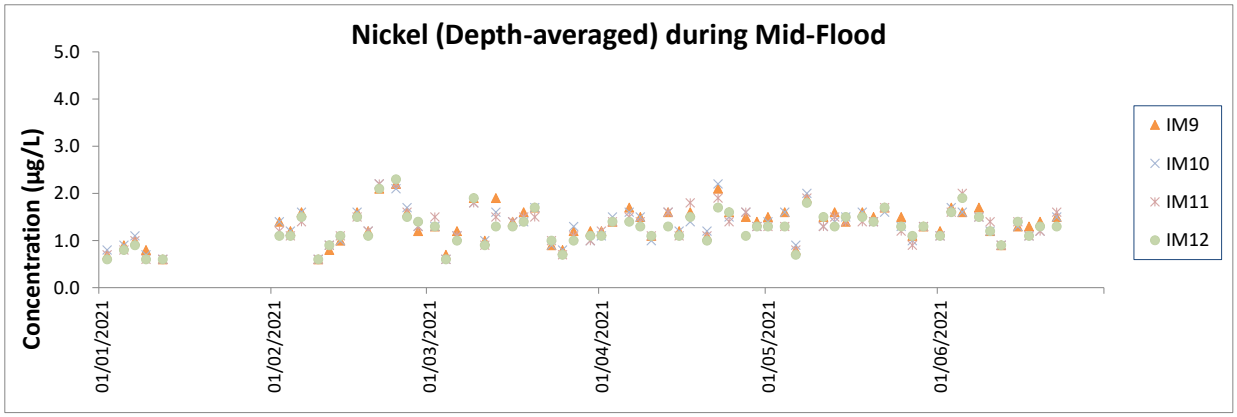
Notes:

1. The Action and Limit Levels can be referred to Table 2.8 of the Annual EM&A Report.
2. The key marine works activities of the Project during monitoring included DCM works, marine filling, seawall construction, together with runway and associated works such as bored piling for approach lights.
3. General weather condition during monitoring ranged from sunny to rainy, with sea condition ranged from calm to rough. Detailed meteorological conditions should be referred to Table 2.10 of this Report and corresponding Monthly EM&A Reports.
4. QA/ QC requirements as stipulated in the EM&A Manual was carried out during measurement.
5. In view of the construction programme for marine-based DCM works, regular DCM monitoring was ceased since 14 January 2021 and resumed at all monitoring stations starting from 2 February 2021. The aforementioned marine-based DCM works were completed within May 2021, hence the regular DCM monitoring was ceased again at all monitoring stations starting from 24 June 2021 and would be resumed if there are marine-based DCM works in the coming future.



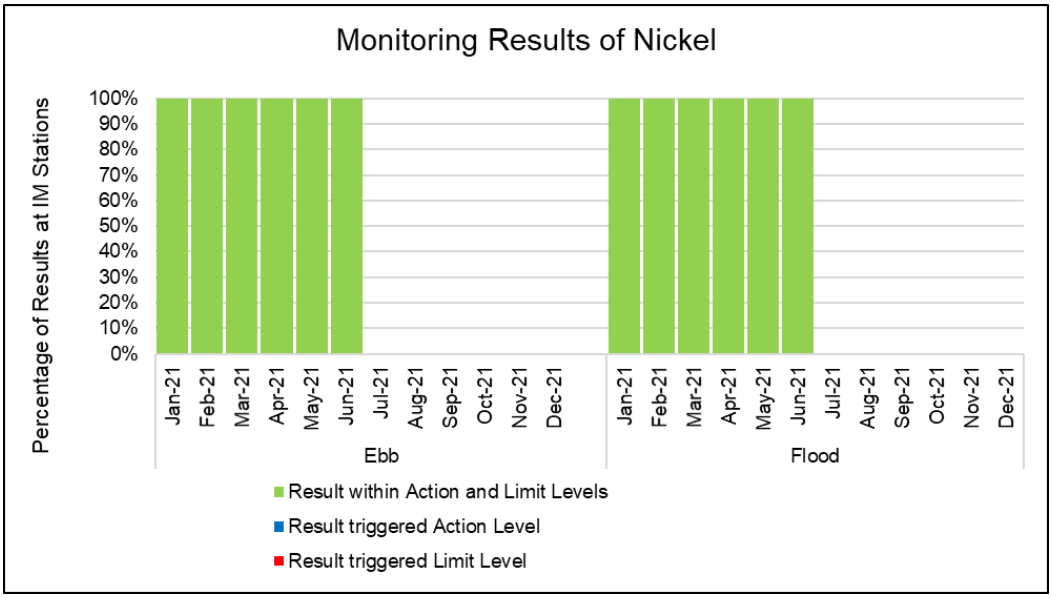






Notes:

1. The Action and Limit Levels can be referred to Table 2.8 of the Annual EM&A Report.
2. The key marine works activities of the Project during monitoring included DCM works, marine filling, seawall construction, together with runway and associated works such as bored piling for approach lights.
3. General weather condition during monitoring ranged from sunny to rainy, with sea condition ranged from calm to rough. Detailed meteorological conditions should be referred to Table 2.10 of this Report and corresponding Monthly EM&A Reports.
4. QA/ QC requirements as stipulated in the EM&A Manual was carried out during measurement.
5. In view of the construction programme for marine-based DCM works, regular DCM monitoring was ceased since 14 January 2021 and resumed at all monitoring stations starting from 2 February 2021. The aforementioned marine-based DCM works were completed within May 2021, hence the regular DCM monitoring was ceased again at all monitoring stations starting from 24 June 2021 and would be resumed if there are marine-based DCM works in the coming future.



All nickel monitoring results in the reporting period were within the corresponding Action and Limit Levels.

Due to the completion of all marine-based DCM works within May 2021, regular DCM monitoring was ceased at all monitoring stations starting from 24 June 2021 and would be resumed if there are marine-based DCM works in the coming future.

Combining the observations from the monitoring results of the two representative heavy metals for DCM works (chromium and nickel), the low percentage of results triggering corresponding Action Level together with the investigation findings concluded that the case was not related to the Project, indicating that DCM activities during the reporting period did not cause adverse water quality impact.

Daily Flow Monitoring Record of Sewage Pumping Station 1 (SPS1)

Daily Flow Monitoring Record of Sewage Pumping Station 1 (SPS1)

Date	Daily Flow at SPS1 (in m^3/day)
01-Jun-21	7,413
02-Jun-21	14,826
03-Jun-21	13,478
04-Jun-21	13,029
05-Jun-21	14,489
06-Jun-21	22,913
07-Jun-21	9,772
08-Jun-21	10,771
09-Jun-21	13,714
10-Jun-21	13,478
11-Jun-21	10,895
12-Jun-21	16,286
13-Jun-21	8,087
14-Jun-21	9,435
15-Jun-21	20,442
16-Jun-21	14,714
17-Jun-21	12,355
18-Jun-21	12,692
19-Jun-21	12,917
20-Jun-21	12,131
21-Jun-21	5,391
22-Jun-21	17,073
23-Jun-21	11,007
24-Jun-21	14,489
25-Jun-21	14,826
26-Jun-21	12,355
27-Jun-21	14,040
28-Jun-21	20,442
29-Jun-21	15,725
30-Jun-21	14,602
Jun - 21 Daily Avg	**13,460**

Daily Flow Monitoring Record of Sewage Pumping Station 1 (SPS1)

Date	Daily Flow at SPS1 (in m^3/day)
01-Jul-21	7,188
02-Jul-21	9,772
03-Jul-21	18,645
04-Jul-21	11,906
05-Jul-21	12,580
06-Jul-21	12,580
07-Jul-21	9,772
08-Jul-21	13,478
09-Jul-21	16,960
10-Jul-21	7,638
11-Jul-21	16,399
12-Jul-21	11,794
13-Jul-21	11,457
14-Jul-21	15,276
15-Jul-21	14,602
16-Jul-21	8,424
17-Jul-21	17,971
18-Jul-21	14,602
19-Jul-21	11,794
20-Jul-21	12,243
21-Jul-21	20,218
22-Jul-21	16,286
23-Jul-21	14,939
24-Jul-21	15,837
25-Jul-21	17,747
26-Jul-21	14,489
27-Jul-21	16,960
28-Jul-21	14,489
29-Jul-21	16,960
30-Jul-21	9,547
31-Jul-21	21,902
Jul - 21 Daily Avg	**13,989**

Daily Flow Monitoring Record of Sewage Pumping Station 1 (SPS1)

Date	Daily Flow at SPS1 (in m^3/day)
01-Aug-21	14,714
02-Aug-21	14,826
03-Aug-21	13,815
04-Aug-21	14,040
05-Aug-21	16,174
06-Aug-21	12,804
07-Aug-21	13,703
08-Aug-21	14,152
09-Aug-21	15,163
10-Aug-21	15,837
11-Aug-21	16,848
12-Aug-21	14,602
13-Aug-21	12,243
14-Aug-21	16,960
15-Aug-21	14,714
16-Aug-21	14,939
17-Aug-21	12,355
18-Aug-21	11,794
19-Aug-21	16,062
20-Aug-21	13,029
21-Aug-21	12,804
22-Aug-21	15,500
23-Aug-21	17,747
24-Aug-21	12,243
25-Aug-21	15,051
26-Aug-21	11,007
27-Aug-21	14,714
28-Aug-21	13,591
29-Aug-21	12,243
30-Aug-21	13,141
31-Aug-21	17,565
Aug - 21 Daily Avg	**14,335**

Daily Flow Monitoring Record of Sewage Pumping Station 1 (SPS1)

Date	Daily Flow at SPS1 (in m^3/day)
01-Sep-21	13,928
02-Sep-21	13,928
03-Sep-21	10,446
04-Sep-21	11,344
05-Sep-21	14,040
06-Sep-21	11,007
07-Sep-21	16,062
08-Sep-21	14,265
09-Sep-21	11,681
10-Sep-21	17,634
11-Sep-21	12,131
12-Sep-21	14,040
13-Sep-21	12,355
14-Sep-21	15,949
15-Sep-21	11,569
16-Sep-21	15,163
17-Sep-21	12,018
18-Sep-21	12,917
19-Sep-21	12,468
20-Sep-21	17,073
21-Sep-21	10,558
22-Sep-21	13,478
23-Sep-21	14,826
24-Sep-21	11,232
25-Sep-21	14,265
26-Sep-21	13,928
27-Sep-21	12,804
28-Sep-21	13,366
29-Sep-21	14,826
30-Sep-21	14,152
Sep - 21 Daily Avg	**13,448**

Daily Flow Monitoring Record of Sewage Pumping Station 1 (SPS1)

Date	Daily Flow at SPS1 (in m^3/day)
01-Oct-21	12,468
02-Oct-21	12,917
03-Oct-21	16,623
04-Oct-21	10,558
05-Oct-21	11,569
06-Oct-21	16,062
07-Oct-21	14,489
08-Oct-21	16,399
09-Oct-21	16,400
10-Oct-21	16,401
11-Oct-21	19,656
12-Oct-21	19,431
13-Oct-21	19,432
14-Oct-21	18,971
15-Oct-21	14,602
16-Oct-21	14,603
17-Oct-21	11,232
18-Oct-21	17,747
19-Oct-21	18,084
20-Oct-21	18,085
21-Oct-21	18,086
22-Oct-21	18,084
23-Oct-21	19,768
24-Oct-21	19,769
25-Oct-21	12,468
26-Oct-21	12,469
27-Oct-21	17,522
28-Oct-21	18,308
29-Oct-21	18,309
30-Oct-21	18,310
31-Oct-21	17,073
Oct - 21 Daily Avg	**16,319**

Daily Flow Monitoring Record of Sewage Pumping Station 1 (SPS1)

Date	Daily Flow at SPS1 (in m^3/day)
01-Nov-21	11,996
02-Nov-21	12,265
03-Nov-21	19,656
04-Nov-21	18,308
05-Nov-21	14,939
06-Nov-21	16,286
07-Nov-21	16,399
08-Nov-21	16,511
09-Nov-21	16,174
10-Nov-21	18,645
11-Nov-21	17,185
12-Nov-21	14,714
13-Nov-21	18,645
14-Nov-21	10,895
15-Nov-21	15,388
16-Nov-21	15,500
17-Nov-21	17,747
18-Nov-21	16,848
19-Nov-21	10,221
20-Nov-21	18,308
21-Nov-21	24,036
22-Nov-21	12,692
23-Nov-21	14,996
24-Nov-21	15,442
25-Nov-21	13,873
26-Nov-21	13,757
27-Nov-21	13,366
28-Nov-21	15,555
29-Nov-21	16,232
30-Nov-21	14,939
Nov - 21 Daily Avg	**15,717**

Daily Flow Monitoring Record of Sewage Pumping Station 1 (SPS1)

Date	Daily Flow at SPS1 (in m^3/day)
01-Dec-21	15,725
02-Dec-21	15,837
03-Dec-21	15,725
04-Dec-21	16,174
05-Dec-21	18,645
06-Dec-21	17,073
07-Dec-21	16,736
08-Dec-21	18,533
09-Dec-21	16,623
10-Dec-21	17,073
11-Dec-21	16,960
12-Dec-21	16,174
13-Dec-21	16,062
14-Dec-21	14,826
15-Dec-21	13,815
16-Dec-21	15,163
17-Dec-21	16,399
18-Dec-21	12,243
19-Dec-21	13,029
20-Dec-21	15,388
21-Dec-21	13,815
22-Dec-21	15,388
23-Dec-21	10,670
24-Dec-21	15,612
25-Dec-21	10,895
26-Dec-21	12,580
27-Dec-21	11,681
28-Dec-21	14,040
29-Dec-21	12,580
30-Dec-21	11,569
31-Dec-21	13,815
Dec - 21 Daily Avg	**14,866**

Appendix E. Sampling Results for Marine Sediment Samples

Location of sample (grid number)	Depth of sample*	Pass/Fail RBRG limit	Exceeded RBRG parameter(s)	Remarks
Western Vehicular Tunnel				
WVT-1	0 – 3 m	Pass	Nil	
WVT-2	0 – 3 m	Pass	Nil	
WVT-3	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
WVT-4	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
WVT-5	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
WVT-6	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
WVT-7	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
WVT-8	0 – 3 m	Pass	Nil	
WVT-9	0 – 3 m	Pass	Nil	
WVT-10	0 – 3 m	Pass	Nil	
WVT-11	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
WVT-12	0 – 3 m	Pass	Nil	
WVT-13	0 – 3 m	Pass	Nil	
WVT-14	0 – 3 m	Pass	Nil	
WVT-15	0 – 3 m	Pass	Nil	
Eastern Vehicular Tunnel				
3408-EVT-GRID 1	NA	NA	NA	Marine sediment not encountered within the final excavation level
3408-EVT-GRID 2	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
3408-EVT-GRID 3	0 – 3 m	Pass	Nil	
3408-EVT-GRID 4	0 – 3 m	Pass	Nil	
3408-EVT-GRID 5	NA	NA	NA	Marine sediment not encountered within the final excavation level
3408-EVT-GRID 6	0 – 3 m	Fail	Arsenic	
3408-EVT-GRID 7	0 – 3 m	Pass	Nil	
3408-EVT-GRID 8	0 – 3 m	Pass	Nil	
3408-EVT-GRID 9	0 – 3 m	Pass	Nil	
3408-EVT-GRID 10	0 – 3 m	Pass	Nil	
3310-EVT-GRID 1	NA	NA	NA	Marine sediment to be sampled in future reporting period
Airport North Fire Station				
Gird 1	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
Terminal 2 Concourse				
TRC Grid 1	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
TRC Grid 2	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	

Location of sample (grid number)	Depth of sample*	Pass/Fail RBRG limit	Exceeded RBRG parameter(s)	Remarks
TRC Grid 3	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
TRC Grid 4	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
TRC Grid 5	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
TRC Grid 6	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
TRC Grid 7	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
TRC Grid 8	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
TRC Grid 9	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
TRC Grid 10	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
TRC Grid 11	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Fail	Arsenic	
TRC Grid 12	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
TRC Grid 13	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
TRC Grid 14	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
TRC Grid 15	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
TRC Grid 16	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
TRC Grid 17	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
TRC Grid 18	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
TRC Grid 19	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
TRC Grid 20	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
TRC Grid 21	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	

Location of sample (grid number)	Depth of sample*	Pass/Fail RBRG limit	Exceeded RBRG parameter(s)	Remarks
	6m to bottom	Pass	Nil	
TRC Grid 22	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
TRC Grid 23	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
TRC Grid 24	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
TRC Grid 25	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
TRC Grid 26	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
TRC Grid 27	0 – 3 m	Fail	Arsenic	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
TRC Grid 28	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
TRC Grid 29	0 – 3 m	Pass	Nil	
TRC Grid 30	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
TRC Grid 31	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
TRC Grid 32	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
TRC Grid 33	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
TRC Grid 34	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
TRC Grid 35	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
TRC Grid 36	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
APM/BHS Tunnel and Ancillary Building with piled foundation				
Grid 1	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
Grid 2	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
Grid 3	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
Grid 4	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
Grid 5	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
Grid 6	0 – 3 m	Pass	Nil	

Location of sample (grid number)	Depth of sample*	Pass/Fail RBRG limit	Exceeded RBRG parameter(s)	Remarks
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
Grid 7	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
Grid 8	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
Grid 9	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
Grid 10	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
Grid 11	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
Grid 12	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
Grid 13	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
Grid 14	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
Grid 15	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
Grid 16	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
Grid 17	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Fail	Arsenic	
Grid 18	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
Grid 19	0 – 3 m	Fail	Arsenic	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
Grid 20	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
Grid 21	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
Grid 22	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Fail	Arsenic	
Grid 23	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
Grid 24	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	

Location of sample (grid number)	Depth of sample*	Pass/Fail RBRG limit	Exceeded RBRG parameter(s)	Remarks
	6m to bottom	Pass	Nil	
Grid 25	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
Grid 26	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
Grid 27	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
Grid 28	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
Grid 29	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
Grid 30	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	
Grid 31	NA	NA	NA	Marine sediment not encountered within the final excavation level
Grid 32	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
Grid 33	0 – 3 m	Pass	Nil	
	3 – 6 m	Pass	Nil	
	6m to bottom	Pass	Nil	

Note:

* One marine sediment sample was taken if the depth of marine sediment to be excavated was less than or equal to 3 m. If the depth of marine sediment to be excavated was less than or equal to 6 m, a sample was taken from the depth of 0 – 3 m, and 3 – 6 m. If the marine sediment to be excavated was more than 6 m, a sample was taken from three different depths including one in the depth of 0 – 3 m, 3 – 6 m, and 6 m to the bottom of the marine sediment to be excavated.

Appendix F. Chinese White Dolphin Monitoring Results

Figure 1: Sightings Distribution of Chinese White Dolphins

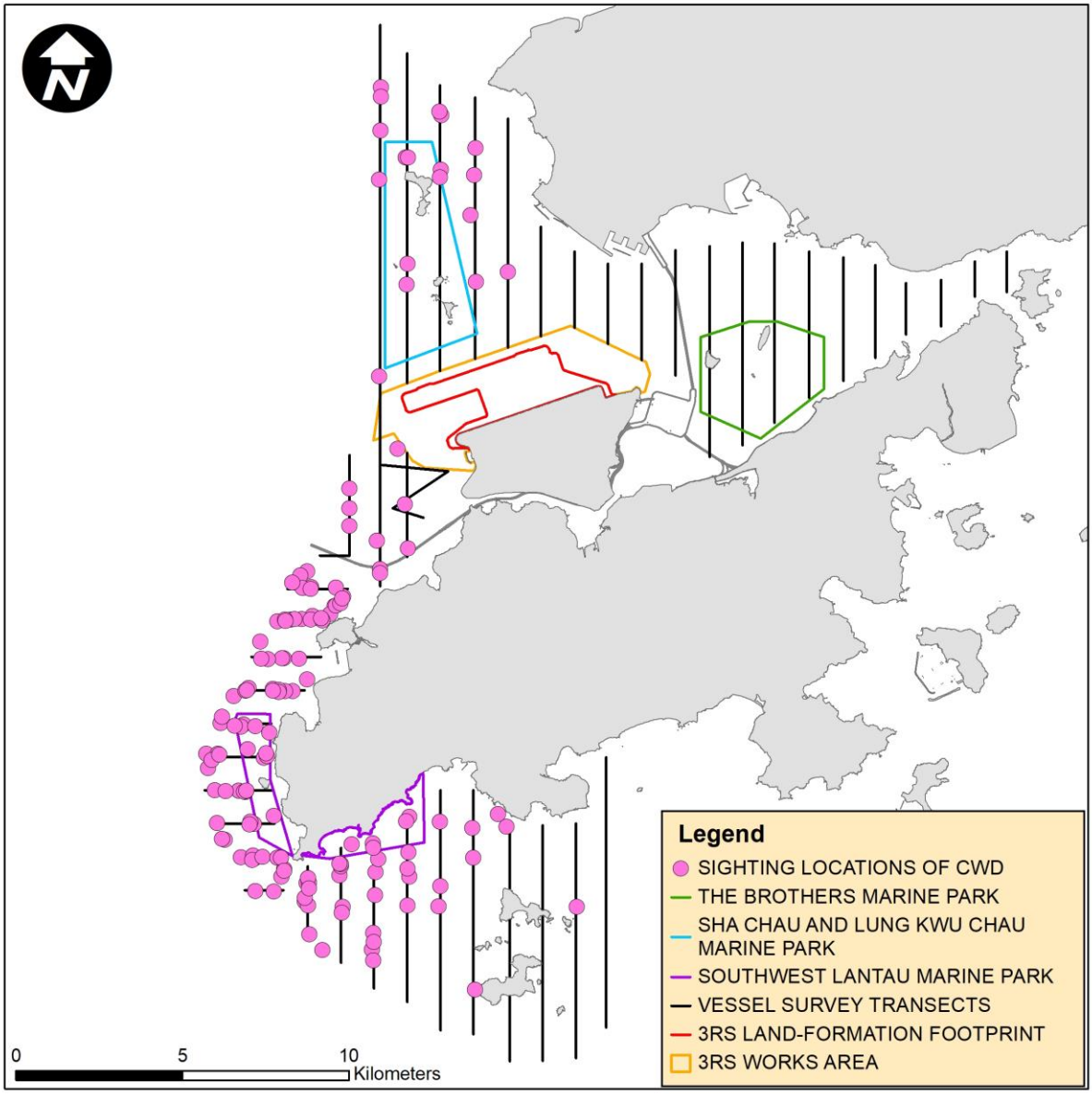
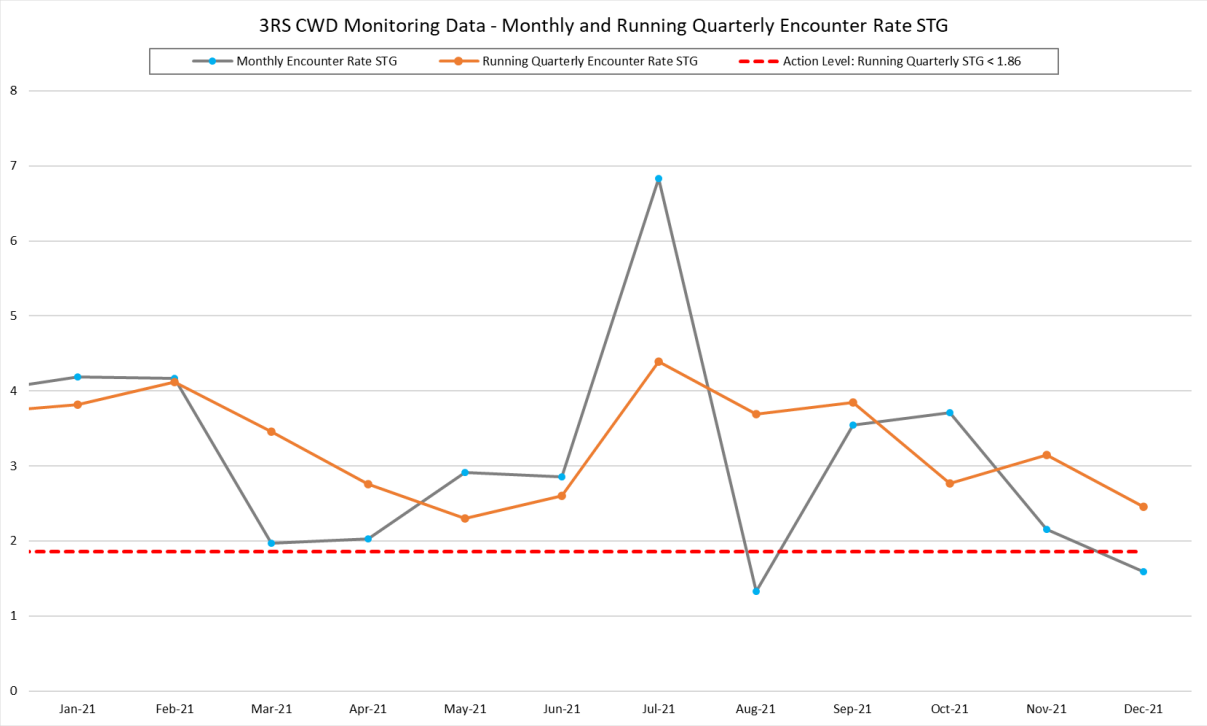
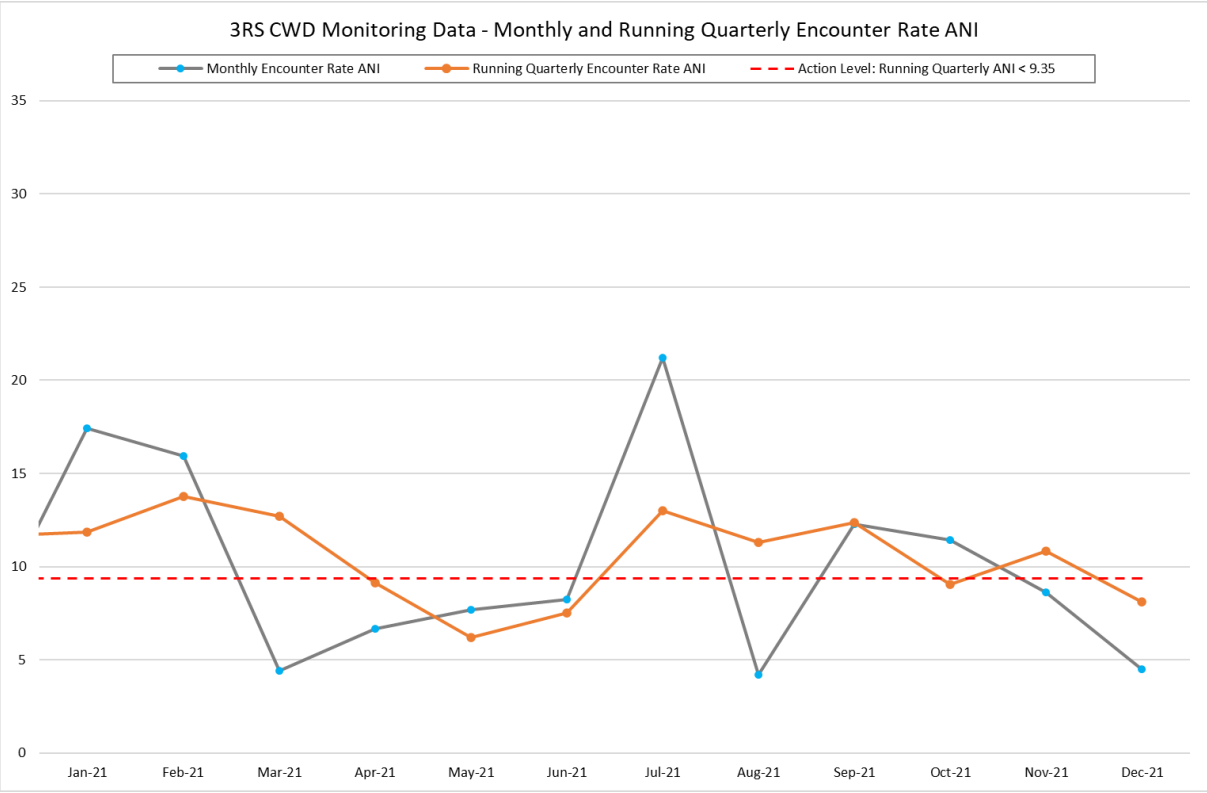


Figure 2: Graphical Presentation of Monthly and Running Quarterly Encounter Rates in the Reporting Period (January to December 2021)

(a) Encounter Rate STG



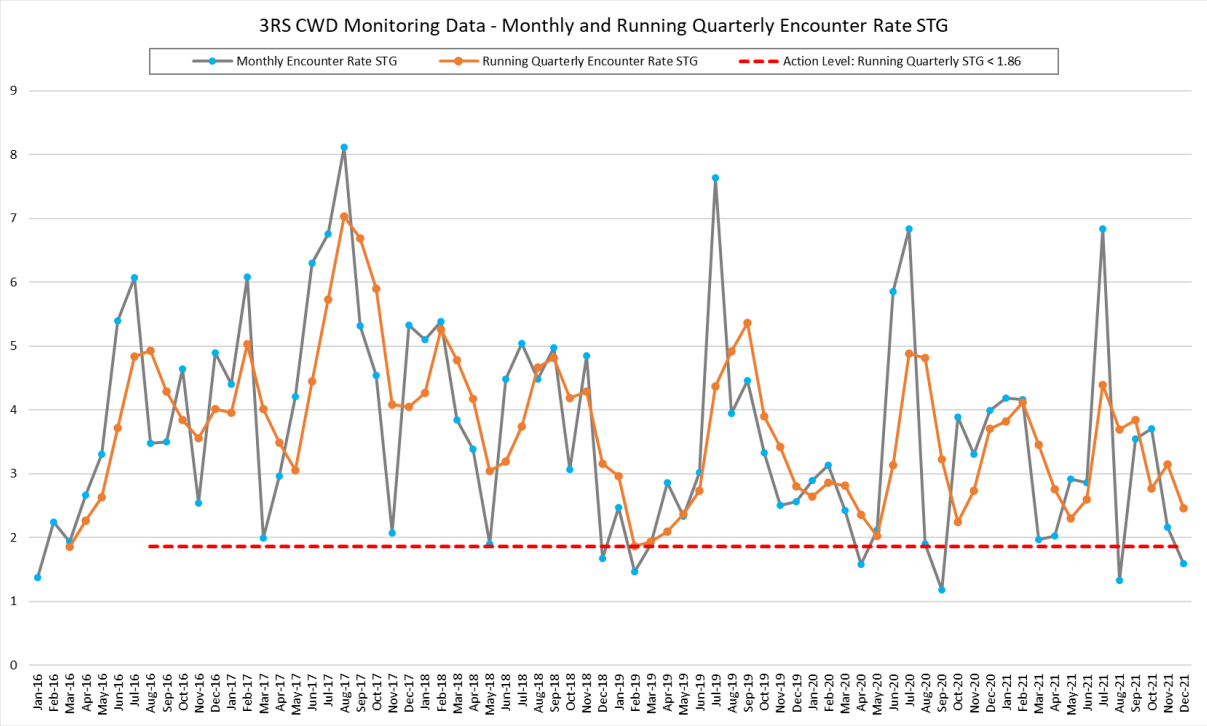
(b) Encounter Rate ANI



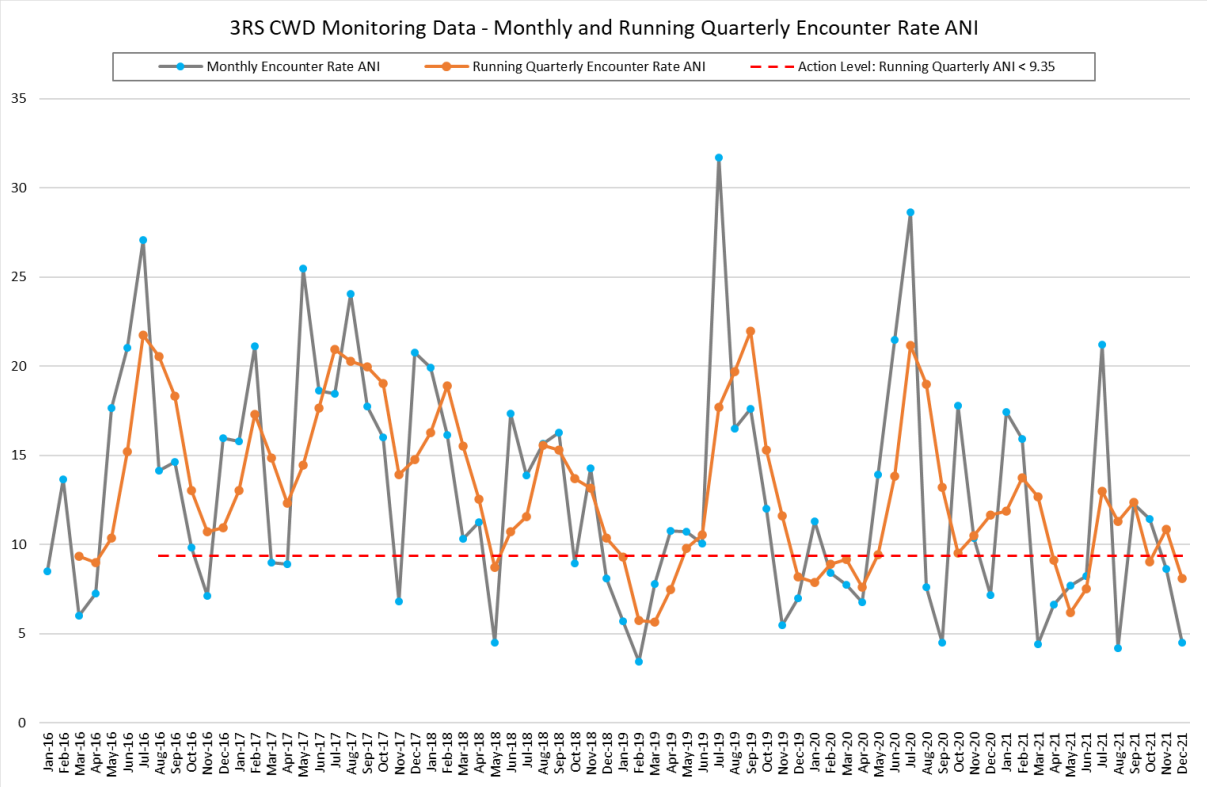
Notes: Limit Level = Two consecutive running quarterly STG <1.86 & ANI < 9.35.
Action Level and/or Limit Level will be triggered if both STG and ANI fall below the criteria.

Figure 3: Graphical Presentation of Monthly and Running Quarterly Encounter Rates from January 2016 to December 2021

(a) Encounter Rate STG

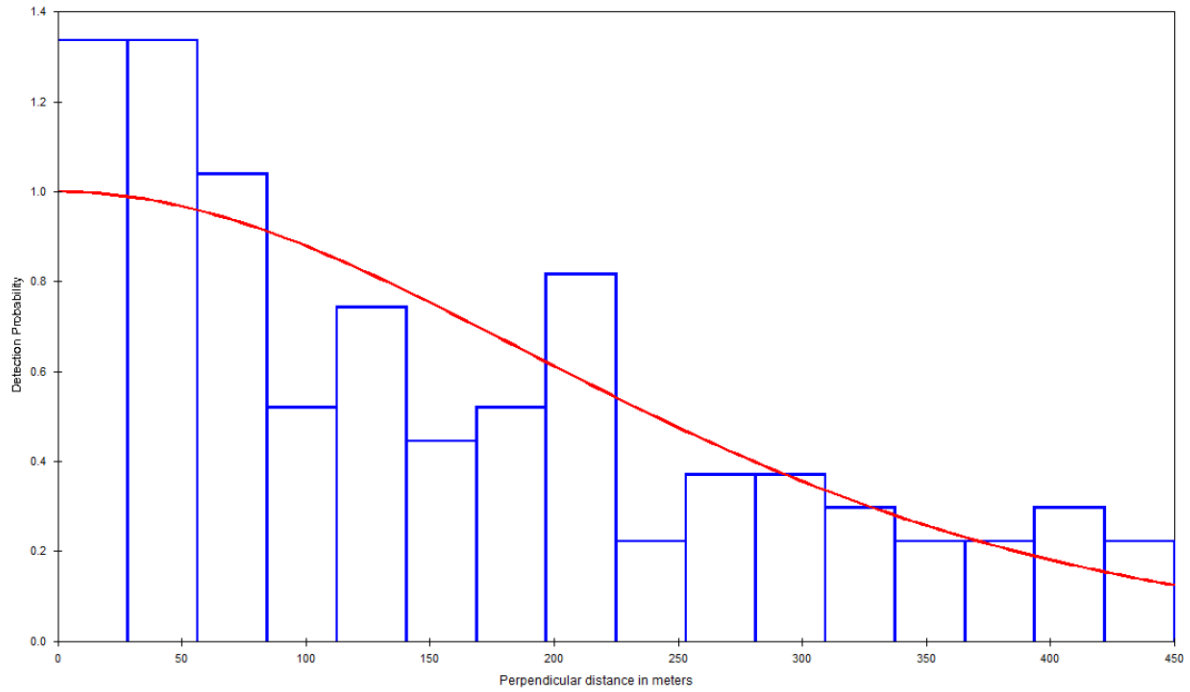


(b) Encounter Rate ANI



Notes: Limit Level = Two consecutive running quarterly STG <1.86 & ANI < 9.35.
Action Level and/or Limit Level will be triggered if both STG and ANI fall below the criteria.

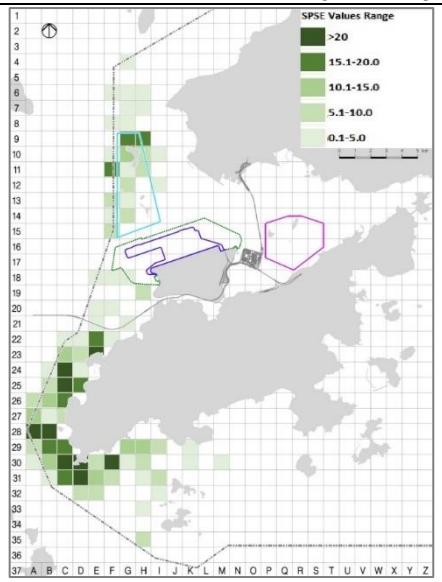
Figure 4: Fitted Detection Function of the 2021 CWD Sightings, Pooled from All Western Hong Kong Survey Areas (truncation distance = 450 m)



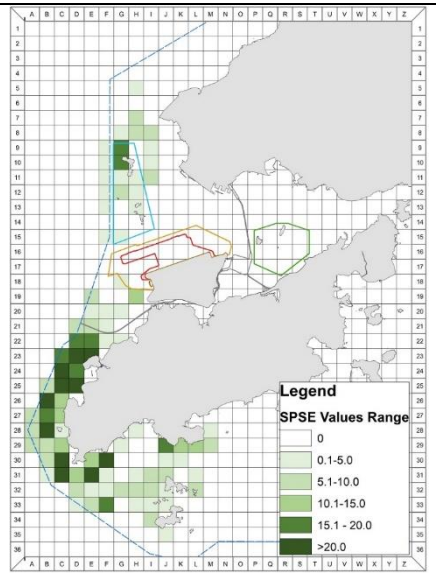
Note: Detection function used a Half-Normal model with a cosine adjustment.

Figure 5: Quantitative Grid Analysis for CWDs

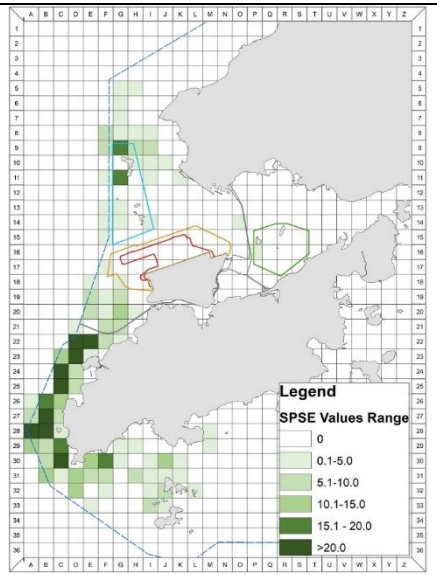
(a) SPSE with Corrected Survey Effort per km^2 of Year 2021 and Previous Years [SPSE = no. of on-effort dolphin sightings per 100 units of survey effort]



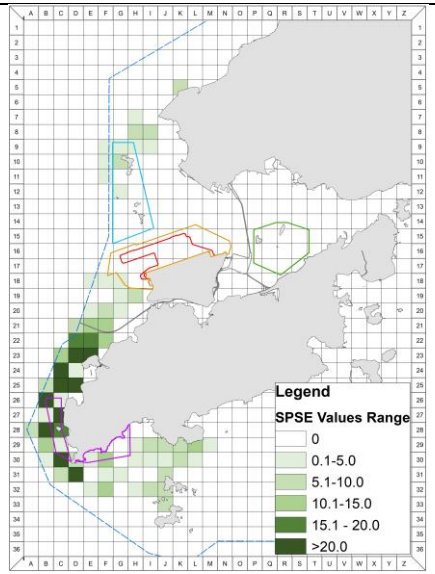
SPSE of Mid-Dec 2015 to Dec 2016



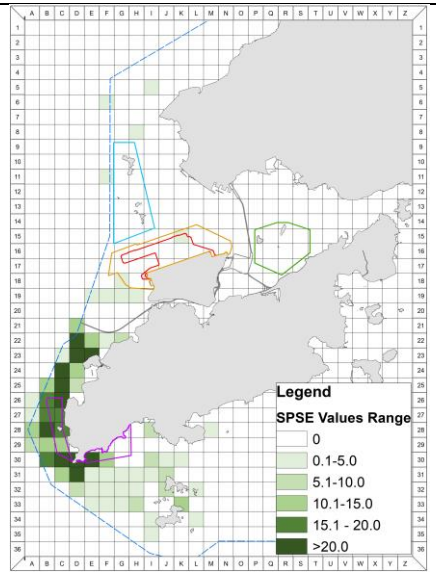
SPSE of 2017



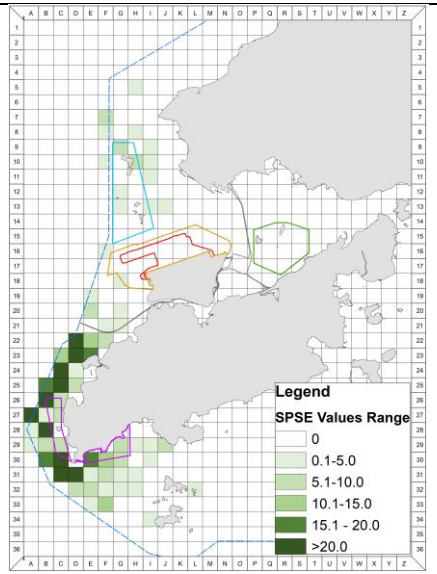
SPSE of 2018



SPSE of 2019

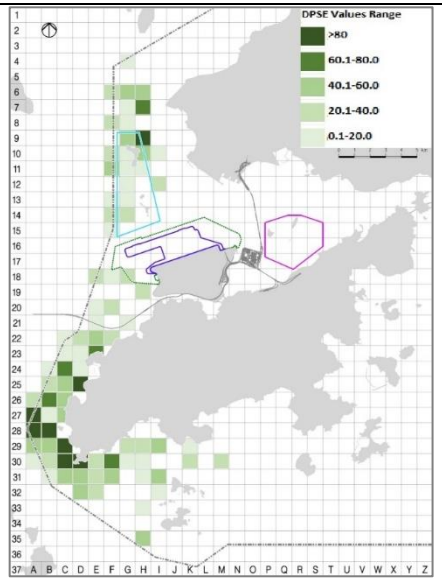


SPSE of 2020

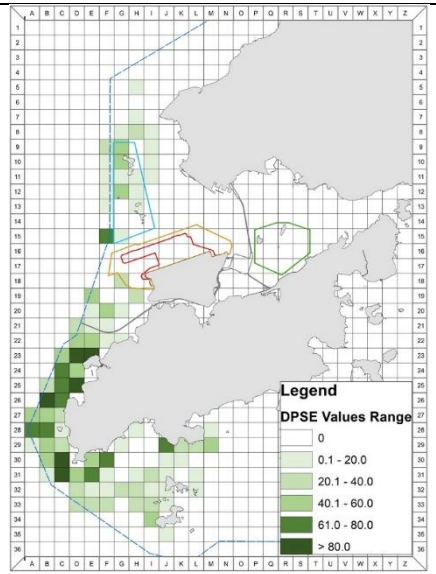


SPSE of 2021

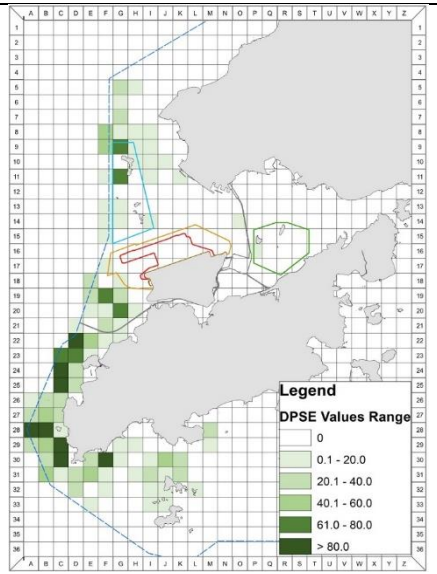
(b) DPSE with Corrected Survey Effort per km^2 of Year 2020 and Previous Years [DPSE = no. of dolphins per 100 units of survey effort]



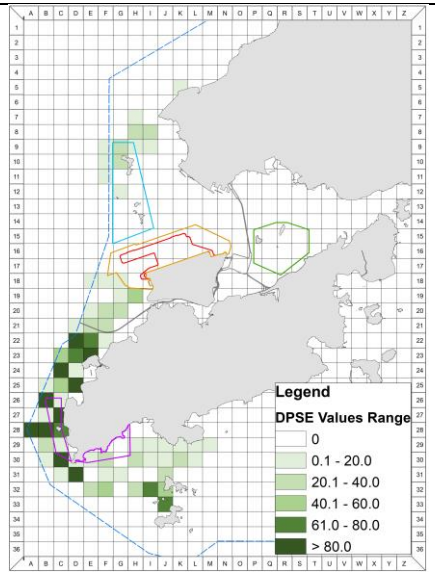
DPSE of Mid-Dec 2015 to Dec 2016



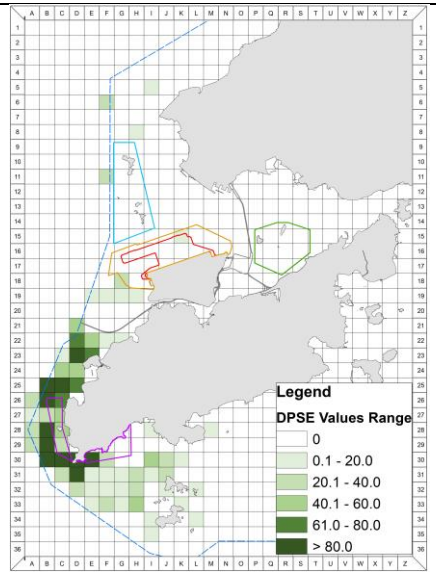
DPSE of 2017



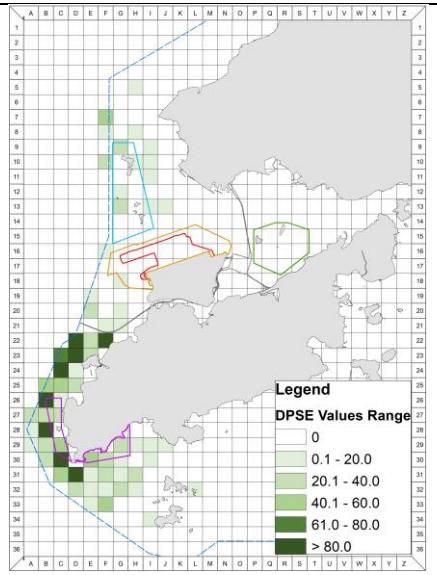
DPSE of 2018



DPSE of 2019



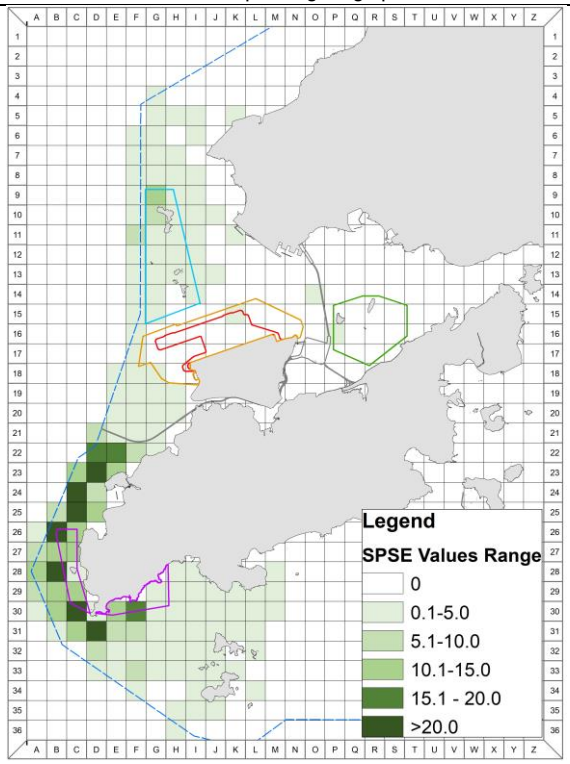
DPSE of 2020



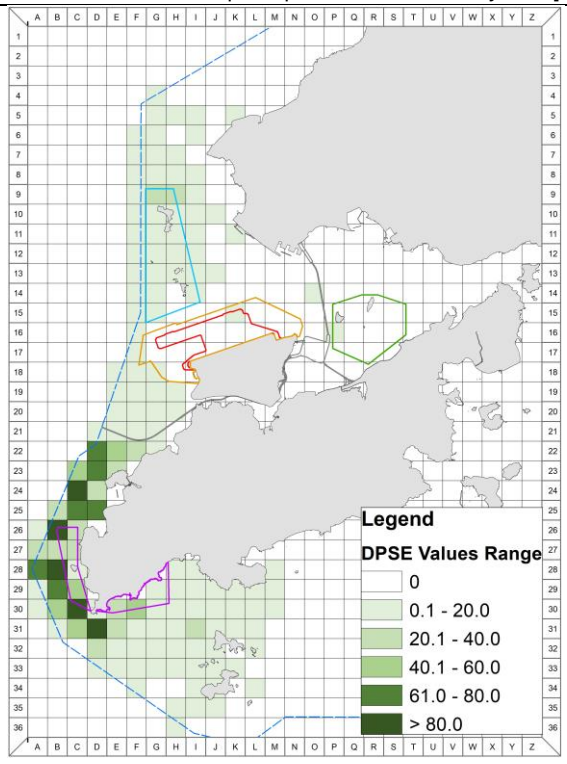
DPSE of 2021

Figure 6: Cumulative SPSE and DPSE of CWDs with Corrected Survey Effort per km² from Dec 2015 to Dec 2021

[SPSE = no. of on-effort dolphin sightings per 100 units of survey effort, DPSE = no. of dolphins per 100 units of survey effort]

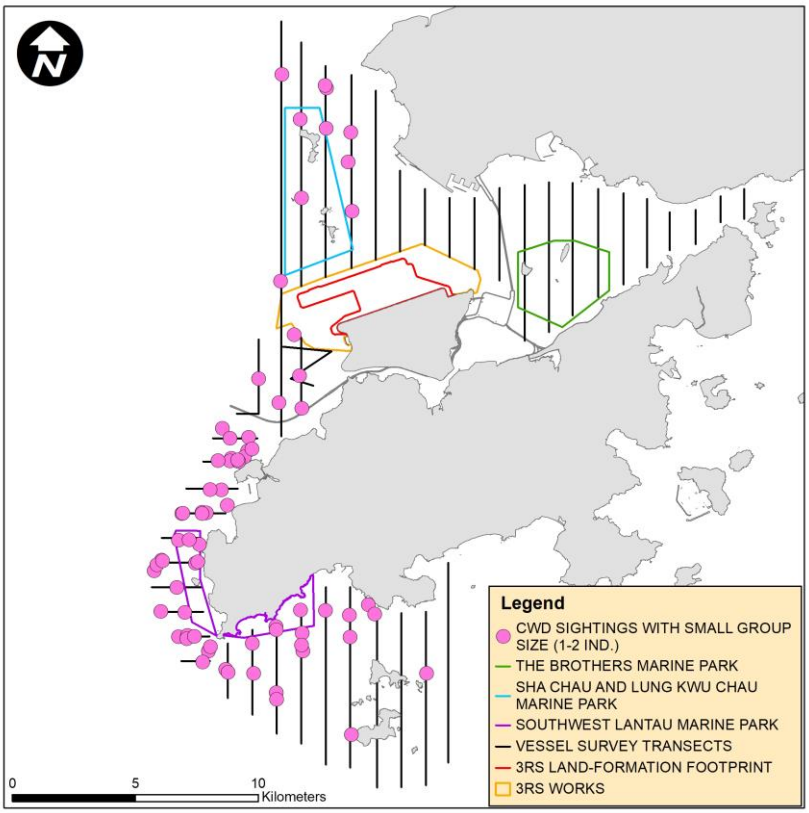


Cumulative SPSE from Mid-Dec 2015 to Dec 2021



Cumulative DPSE from Mid-Dec 2015 to Dec 2021

Figure 7: Sightings Distribution of Chinese White Dolphins with Different Group Sizes
(a) Small Group Size (1 to 2 dolphins)



(b) Medium Group Size (3 to 9 dolphins) and Large Group Size (10 or more dolphins)

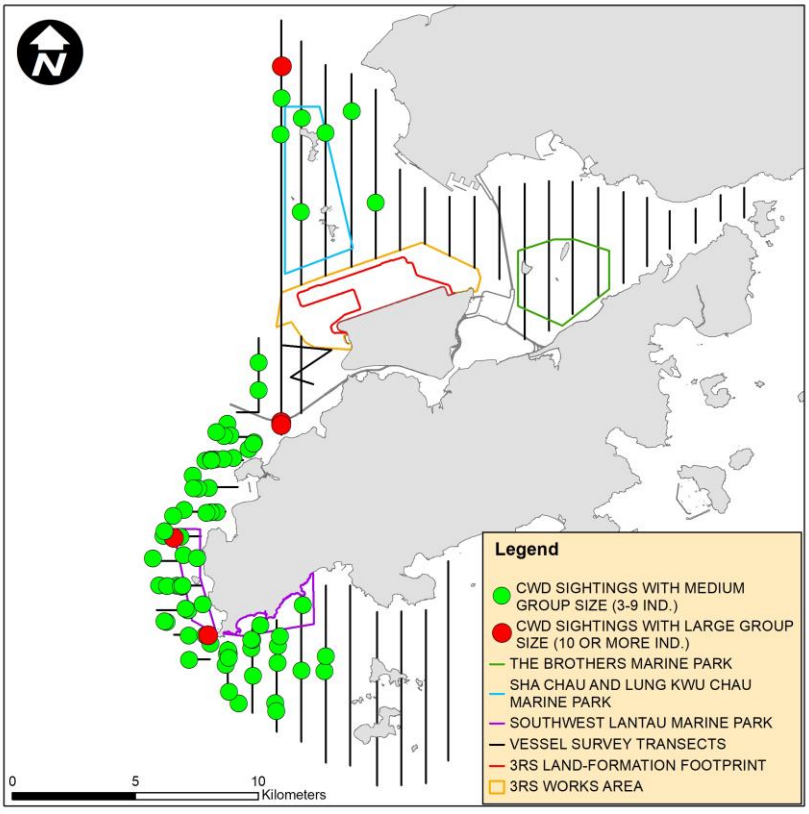


Figure 8: Sighting Locations of CWD Groups Engaged in Different Activities

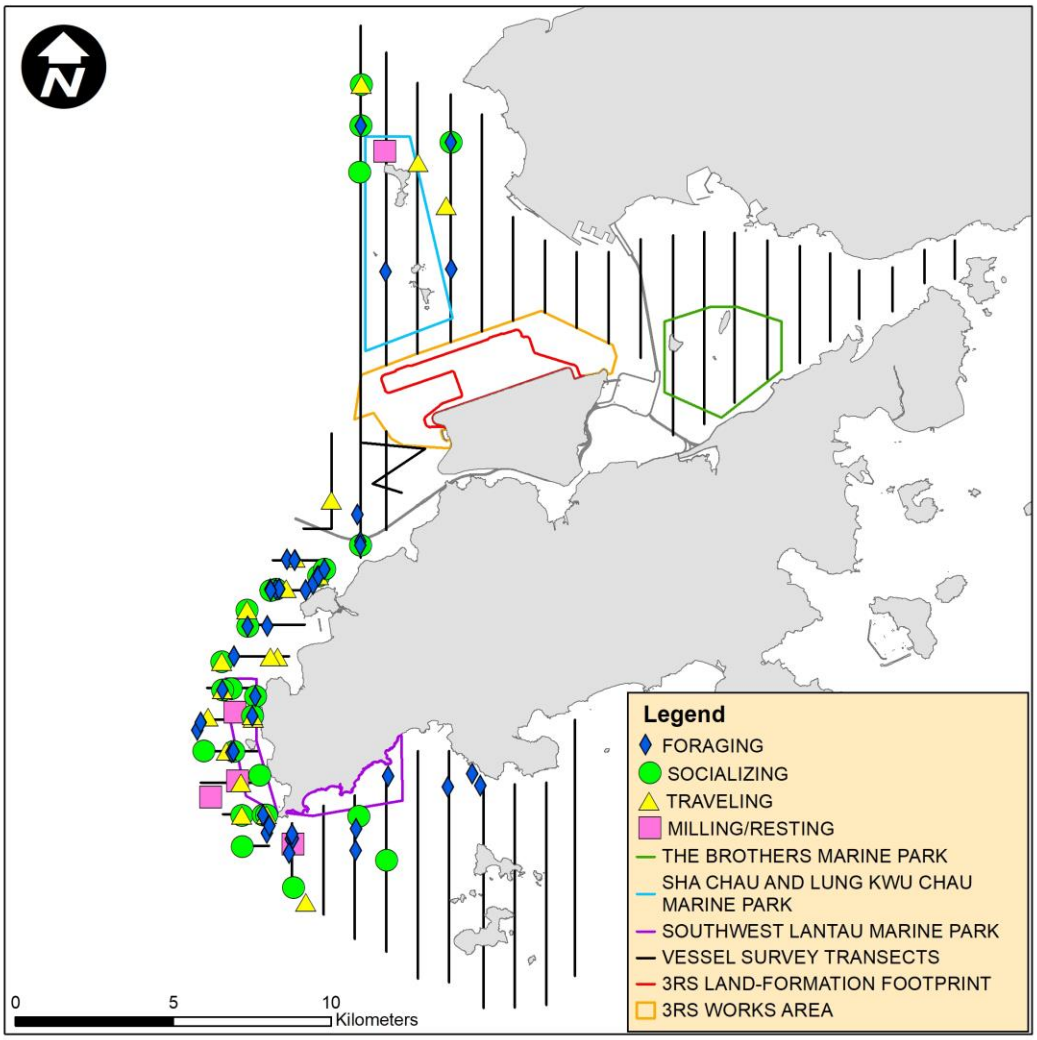


Figure 9: Sighting Locations of CWD Groups in Association with Fishing Boat

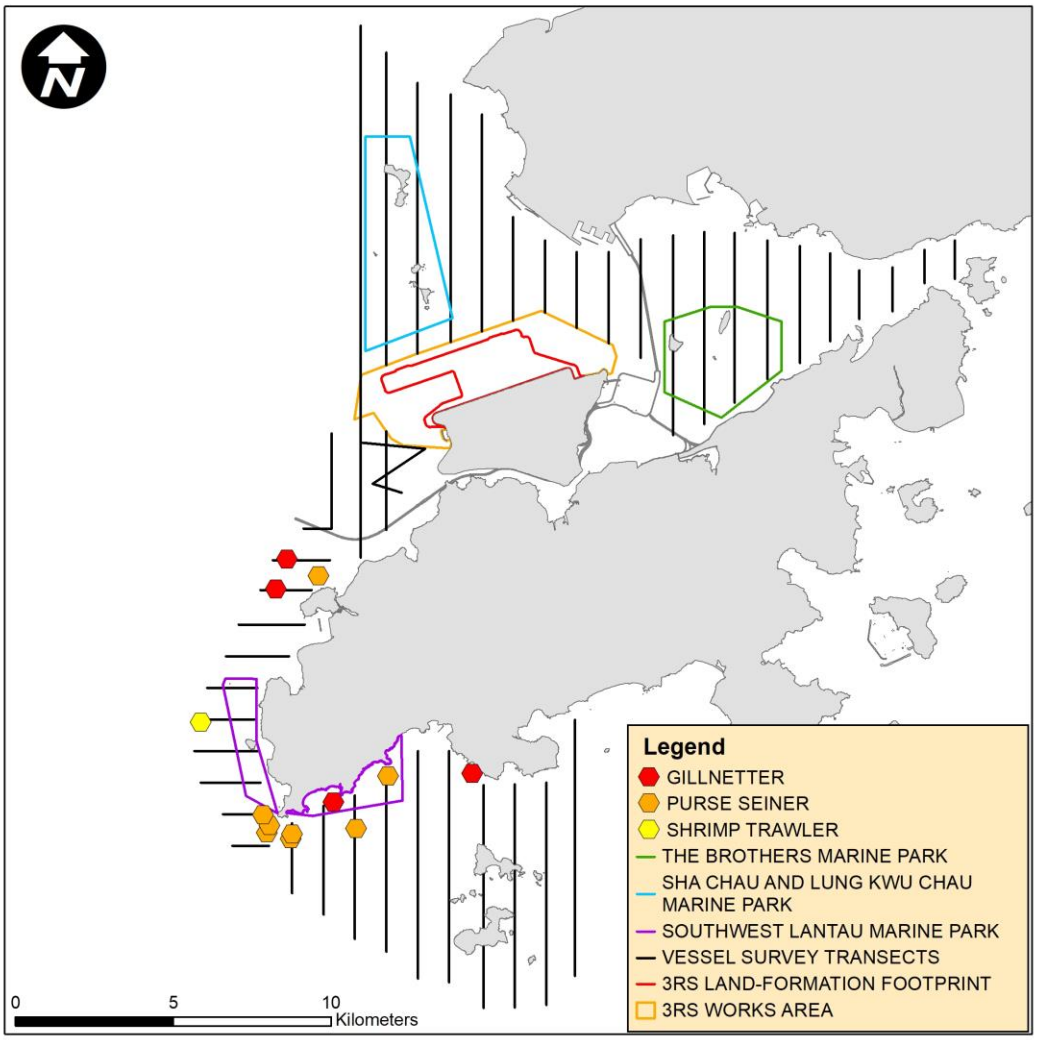


Figure 10: Sighting Locations of Mother-Calf Pairs

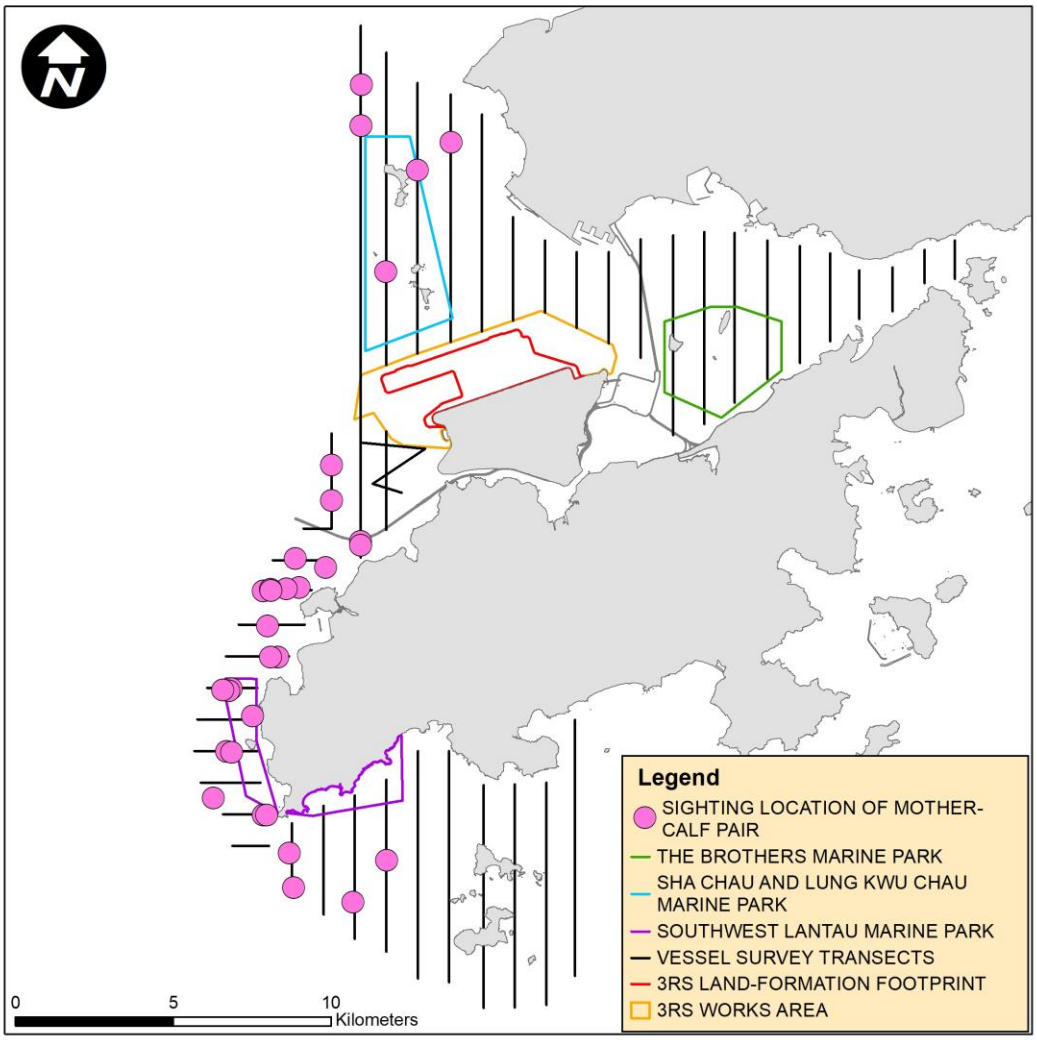
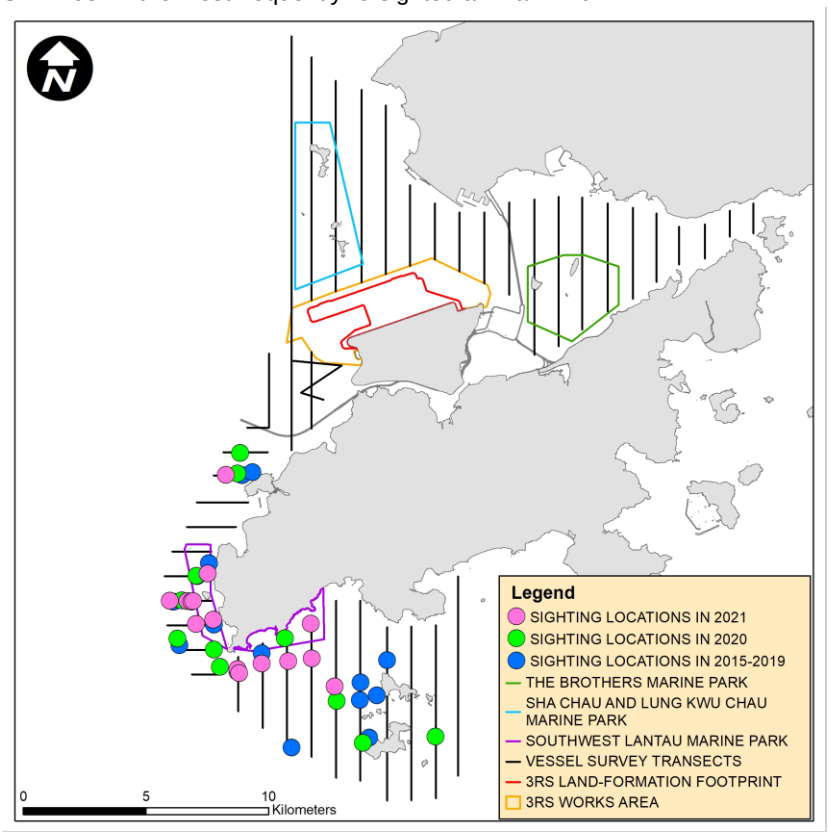
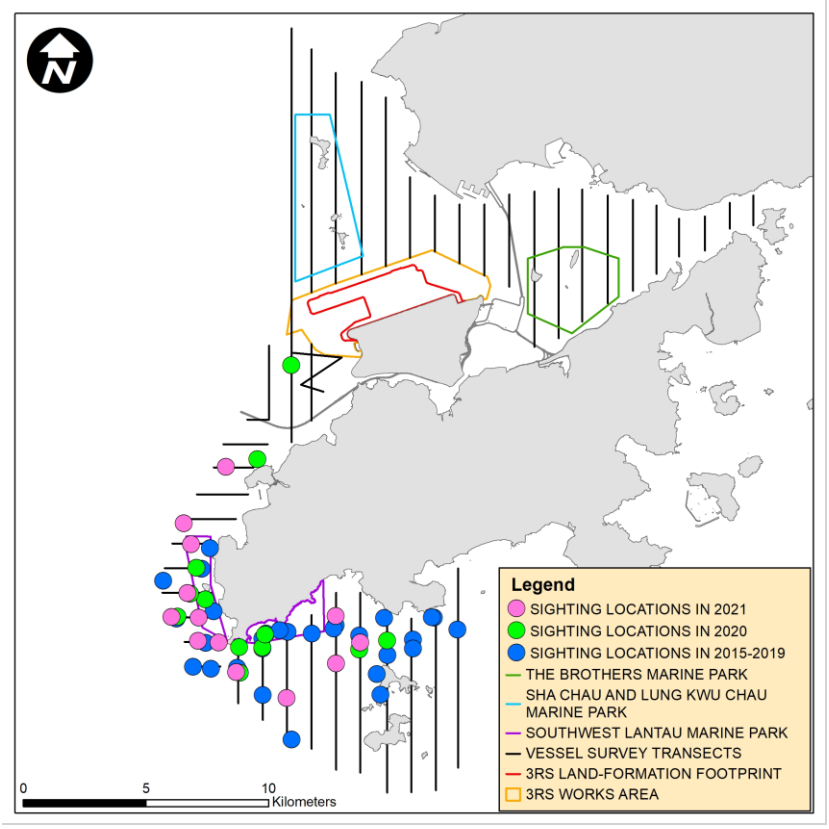


Figure 11 (batch): Photo Identification – Re-sighting Locations

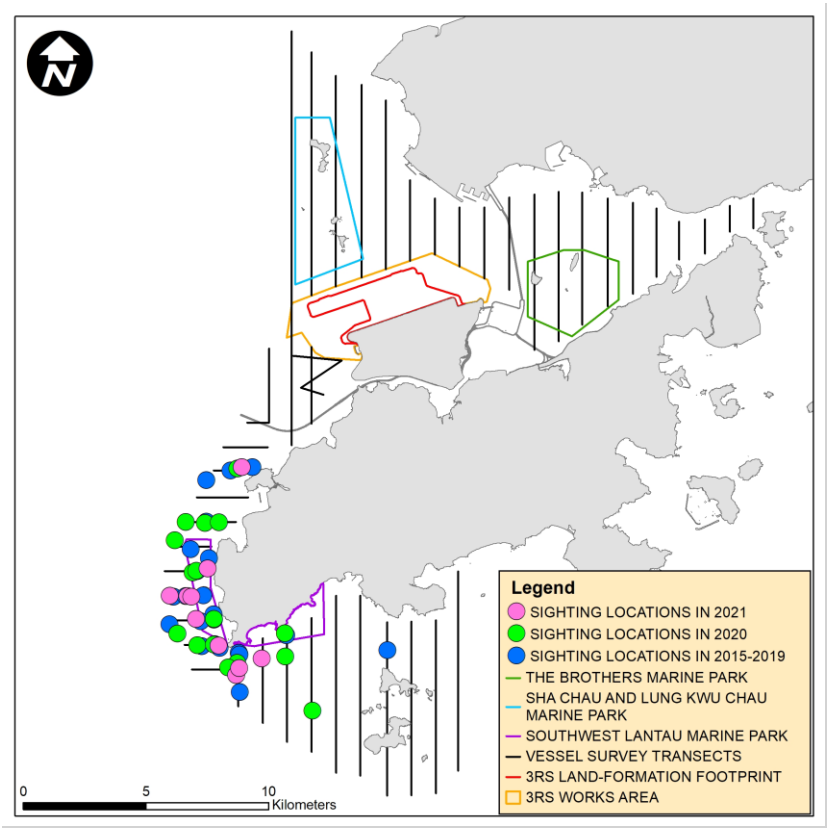
SLMM037 – the most frequently re-sighted animal in 2021



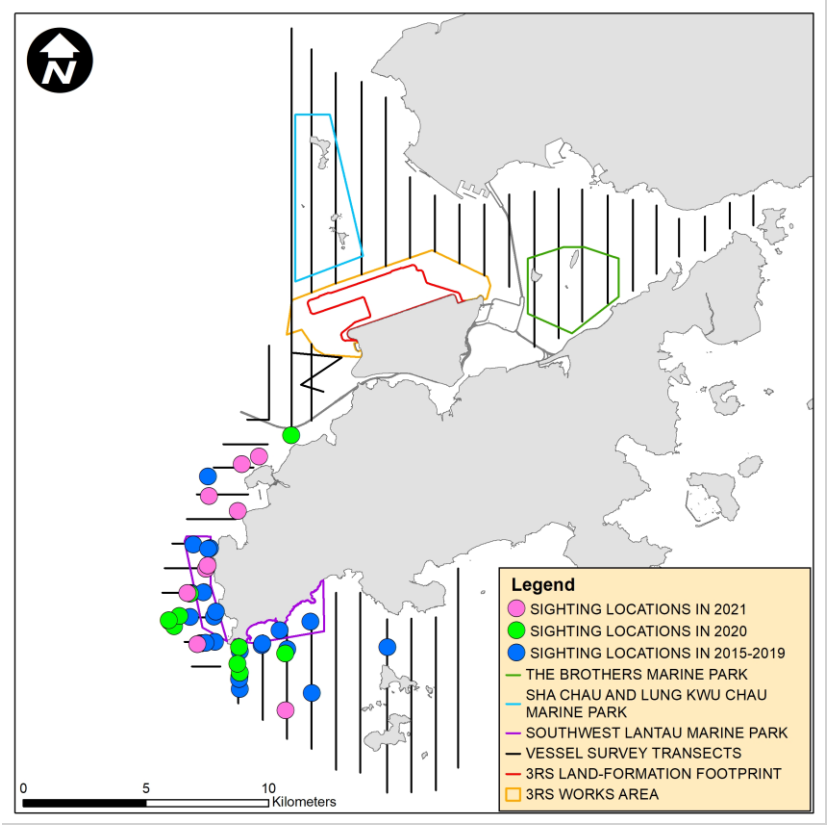
SLMM014 – the most frequently re-sighted animal since 2015



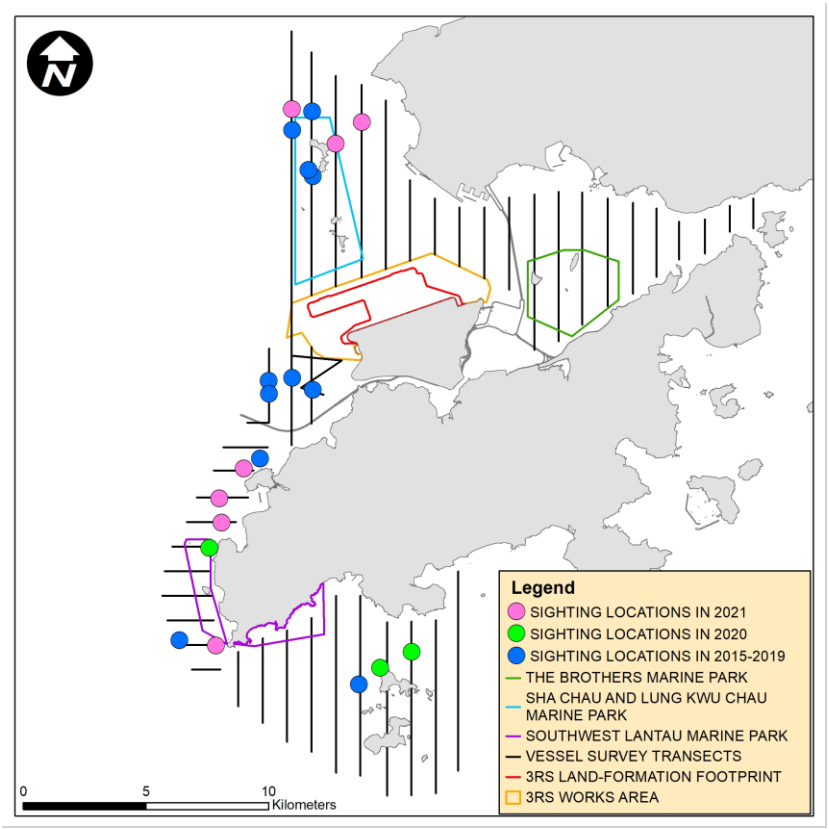
SLMM003 – the second most frequently re-sighted animal since 2015



SLMM010 – the third most frequently re-sighted animal since 2015



NLMM015 – the mother of the most frequently re-sighted mother-calf pair in 2021



WLMM164 – the calf of the most frequently re-sighted mother-calf pair in 2021

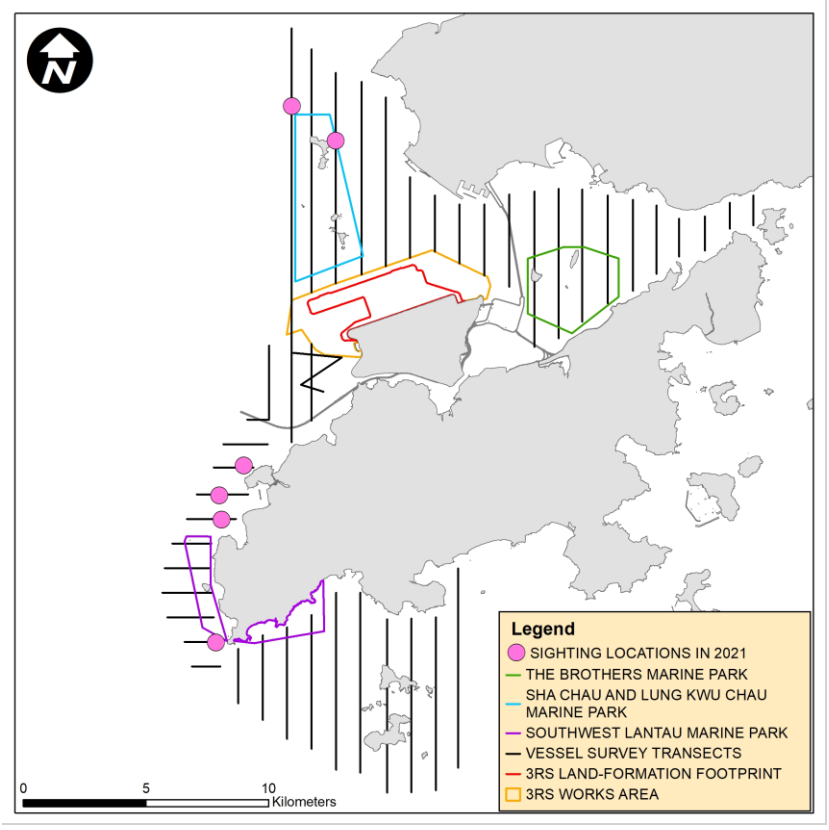


Figure 12: Plots of First Sightings of All CWD Groups (prior to filtering short-track data) Obtained from Land-based Station at Lung Kwu Chau in 2021

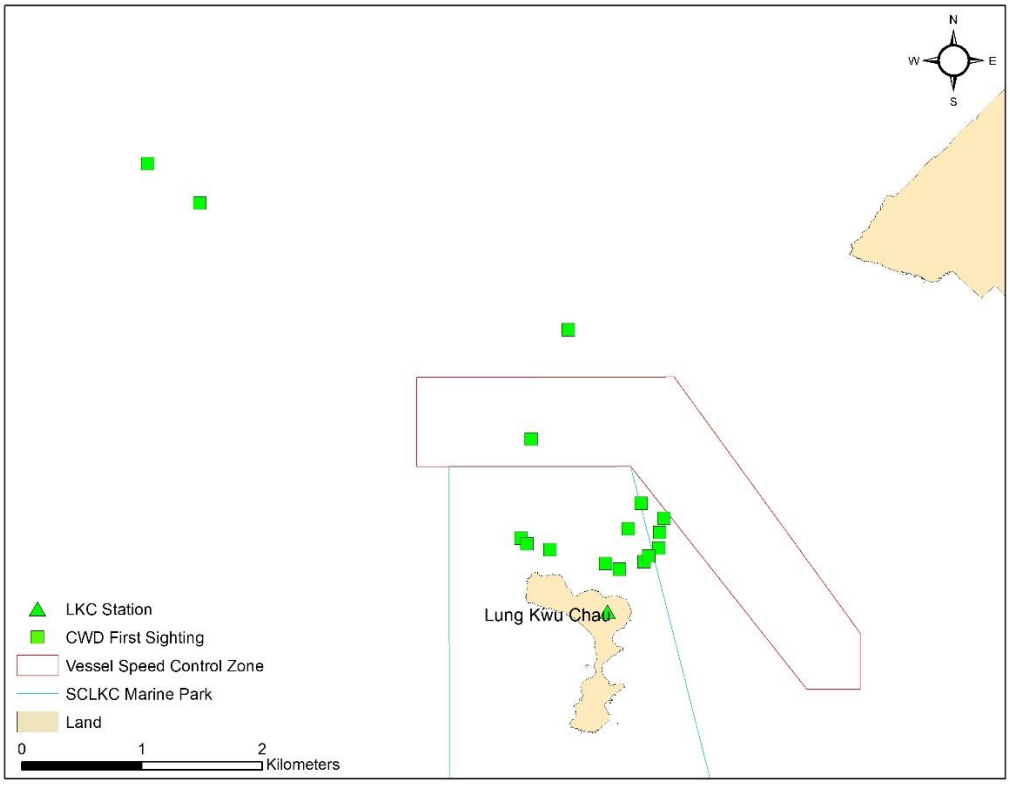


Figure 13: Proportion of CWD Total Track Time, per Total Effort Time, from Lung Kwu Chau (prior to filtering short-track data) Based on Time of Day in 2021

[The x-axis represents the hour block during which theodolite tracking surveys were conducted. The "n" in parentheses represents the number of days that survey effort was carried out during the associated hour block.]

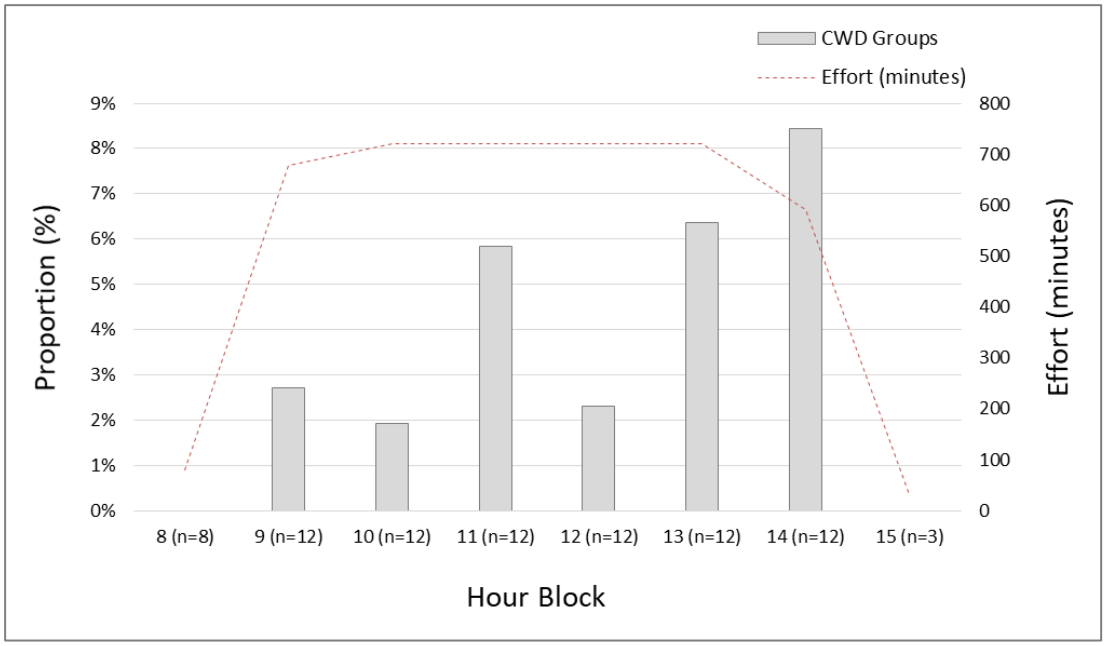


Figure 14: Total Number of CWD Groups Sighted and Tracked from Lung Kwu Chau Based on Month of the Year in 2021

[The grey bars represent the percentage of number of groups tracked per month, while the numbers above the bars indicate the total number of CWD groups tracked per study period (prior to filtering short-track data). The orange line represents the percentage of total time spent tracking dolphins per month. The 'wettest period' is based on total monthly rainfall that varies from year to year.]

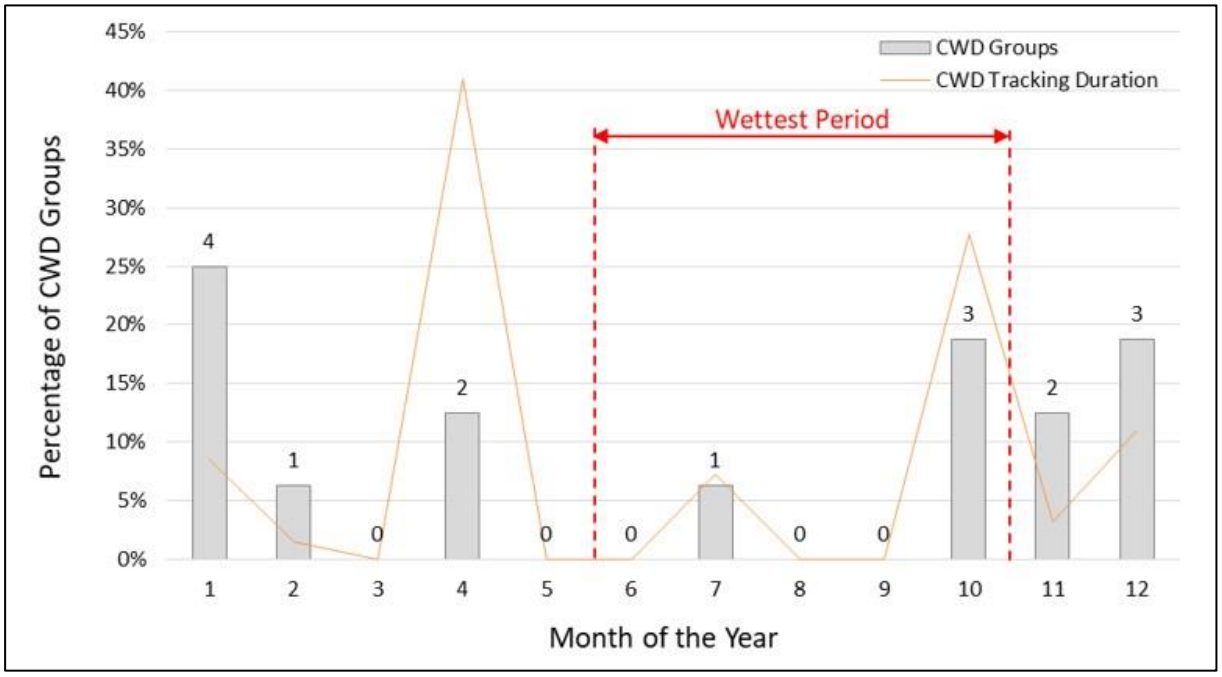


Figure 15: Plots of CWD Positions (prior to filtering short-track data) relative to Group Size tracked within Sha Chau and Lung Kwu Chau Marine Park in 2021

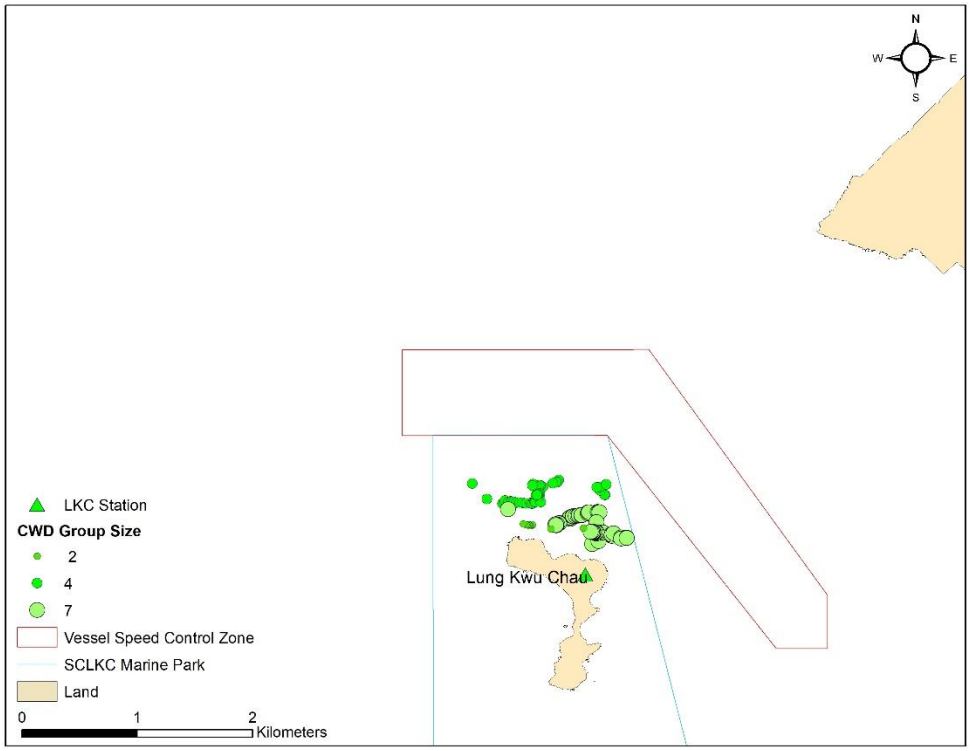


Figure 16: Plots of CWD Positions (prior to filtering short-track data) relative to Group Size crossing the boundary of Sha Chau and Lung Kwu Chau Marine Park in 2021

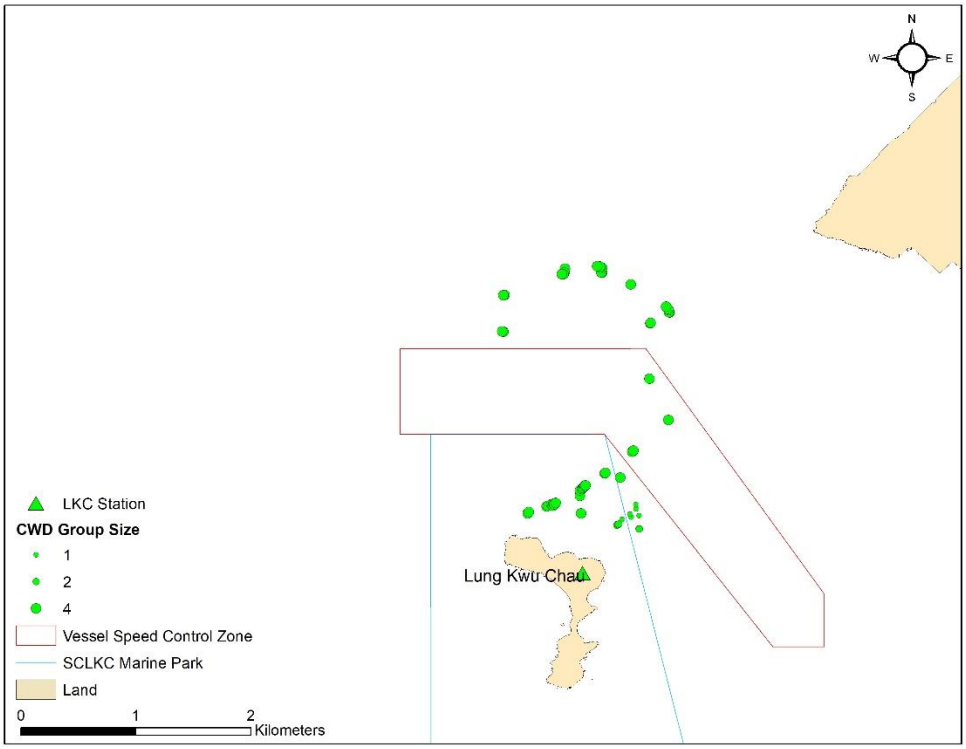


Figure 17: Plots of CWD Positions (prior to filtering short-track data) relative to Group Size tracked outside Sha Chau and Lung Kwu Chau Marine Park in 2021

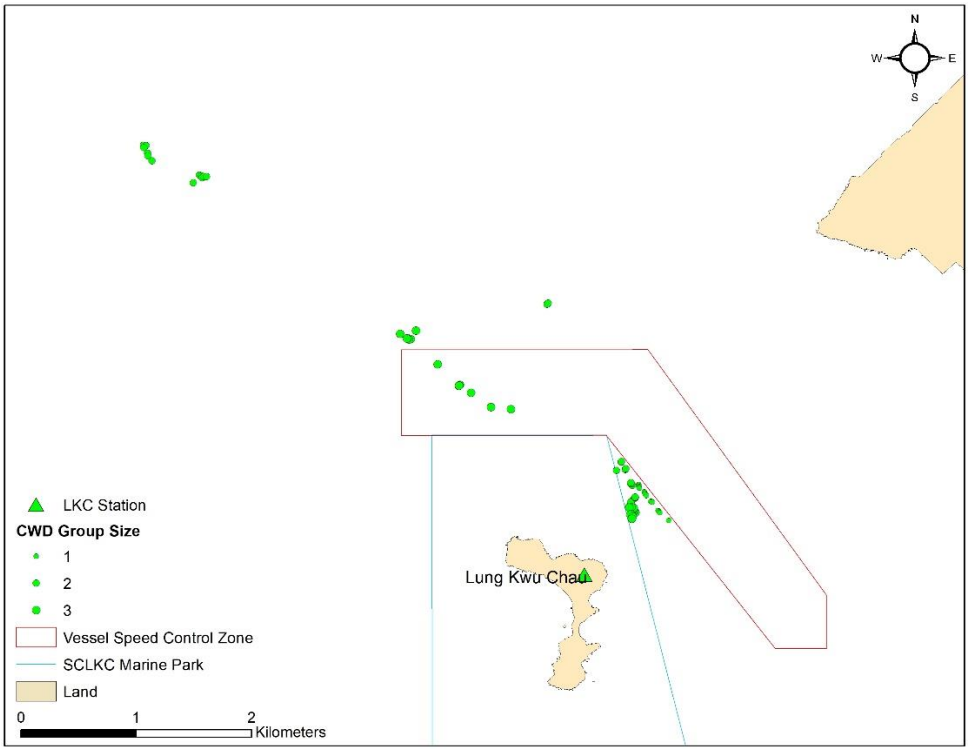


Figure 18: Percentages of CWD Behavioural States (prior to filtering short-track data), excluding Unknown Category, recorded from Lung Kwu Chau in 2021

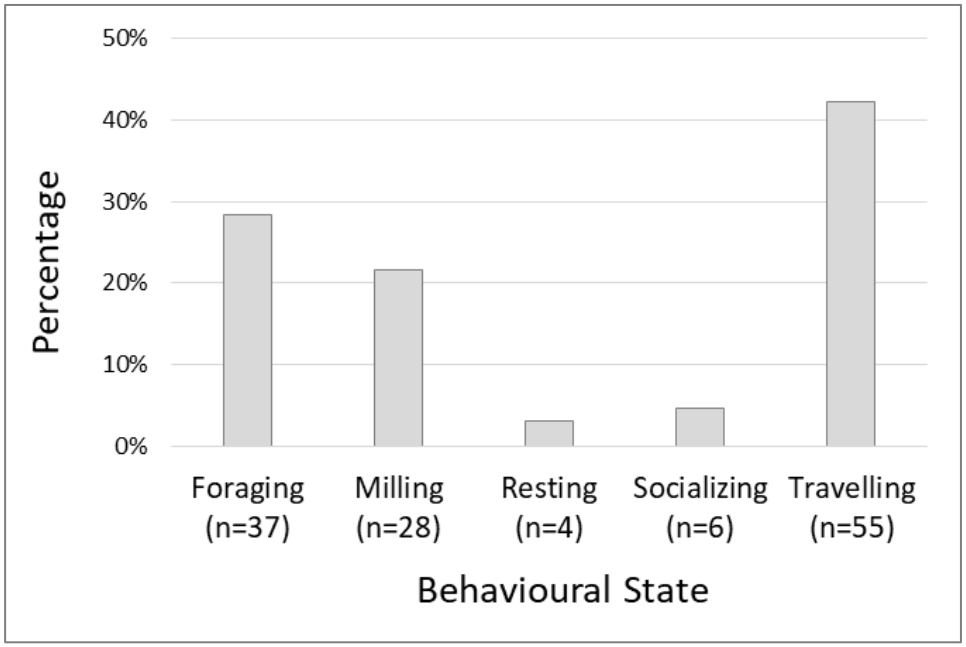


Figure 19: Stacked Bar Graph showing percentages of CWD Behavioural States (prior to filtering short-track data), excluding Unknown Category, relative to the Sha Chau and Lung Kwu Chau Marine Park Location, recorded from Lung Kwu Chau in 2021

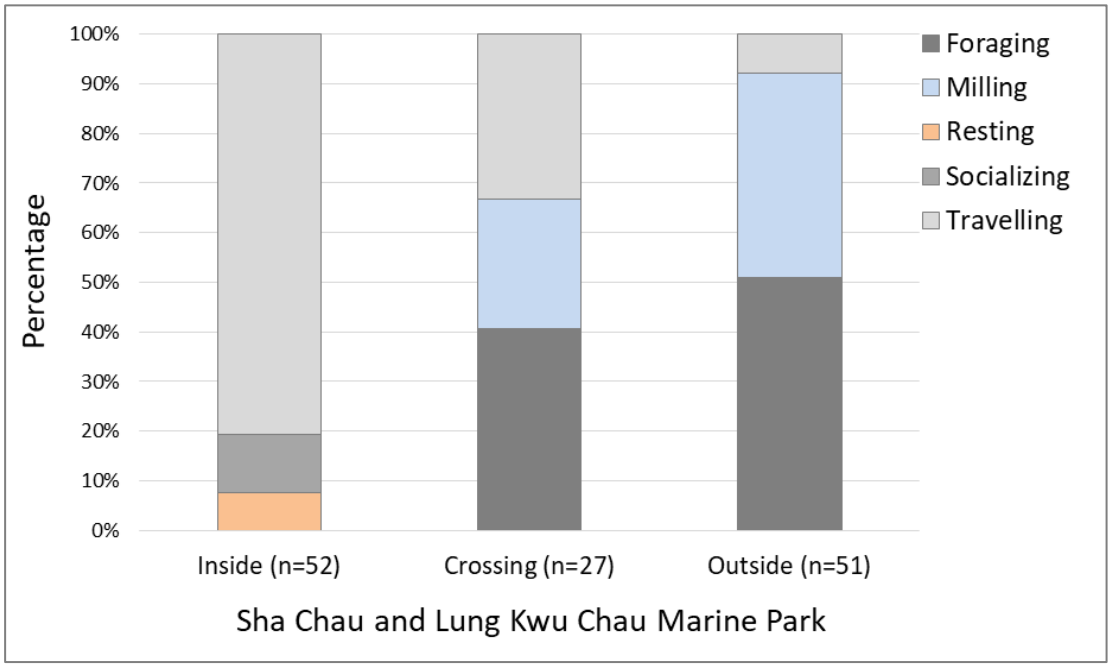


Figure 20: Plots of All Vessel Positions and All CWD Positions obtained from Lung Kwu Chau in 2021

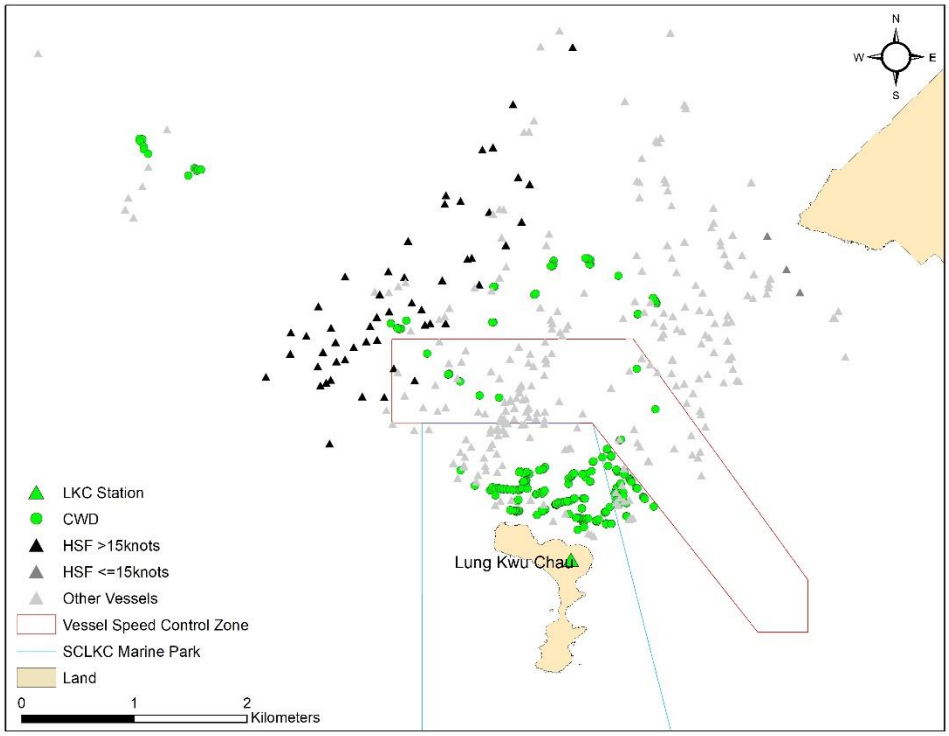
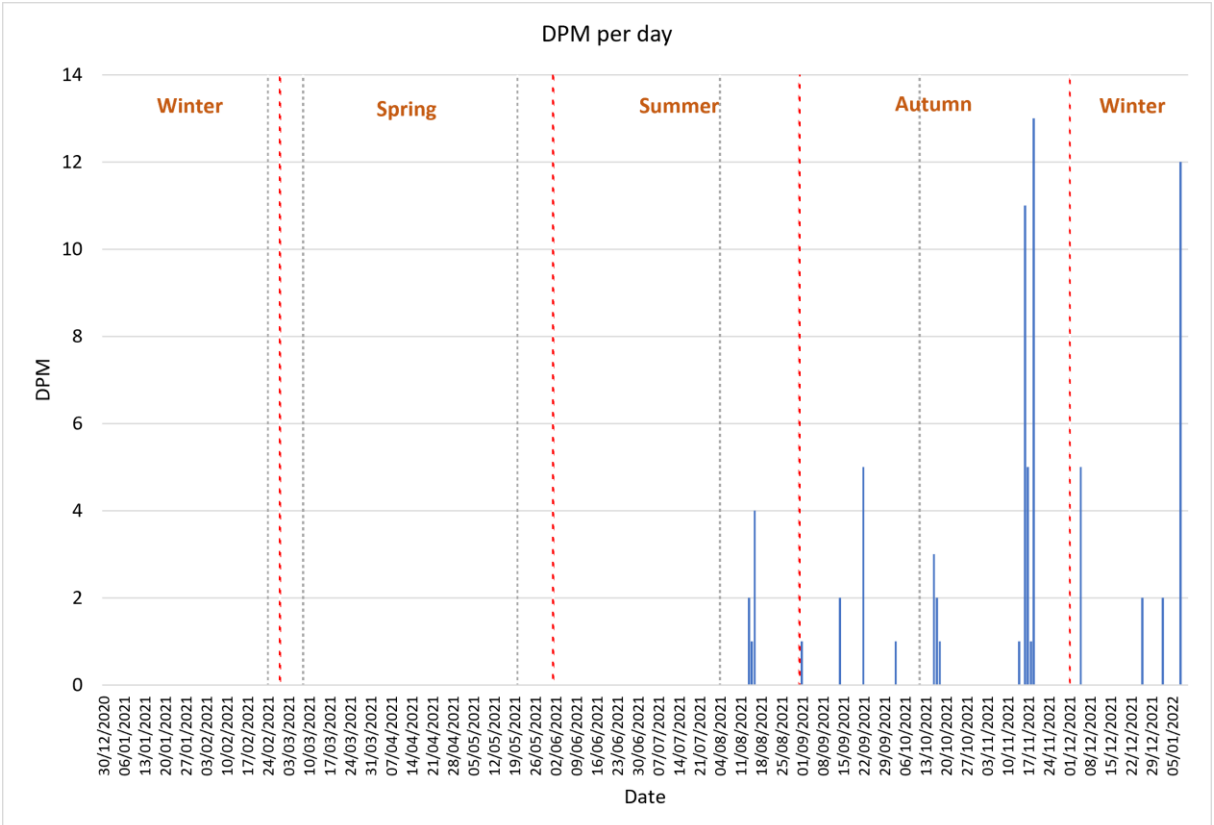


Figure 21: Dolphin detection positive minute (DPM) per day in 2021



[Grey dotted lines indicate deployment/retrieval of PAM device; red dotted lines indicate the solar seasons]

Figure 22: Dolphin DPM by Hour of Day in 2021

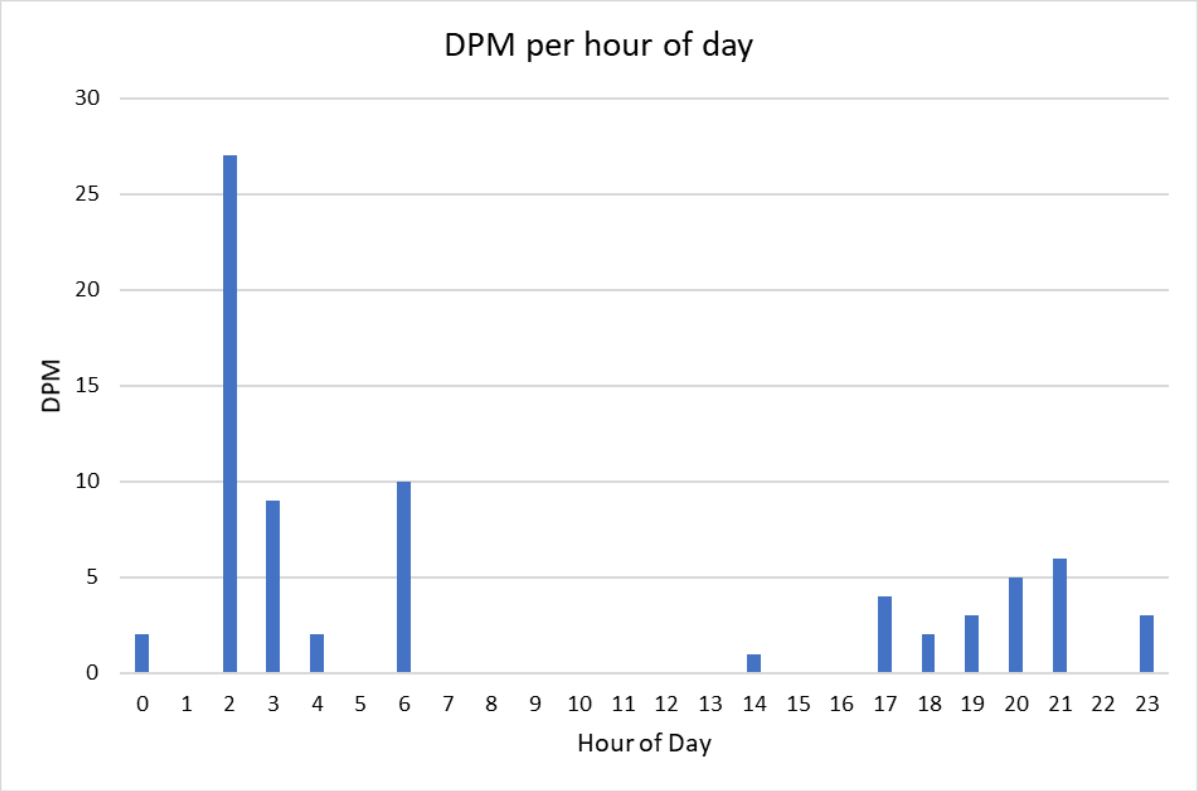
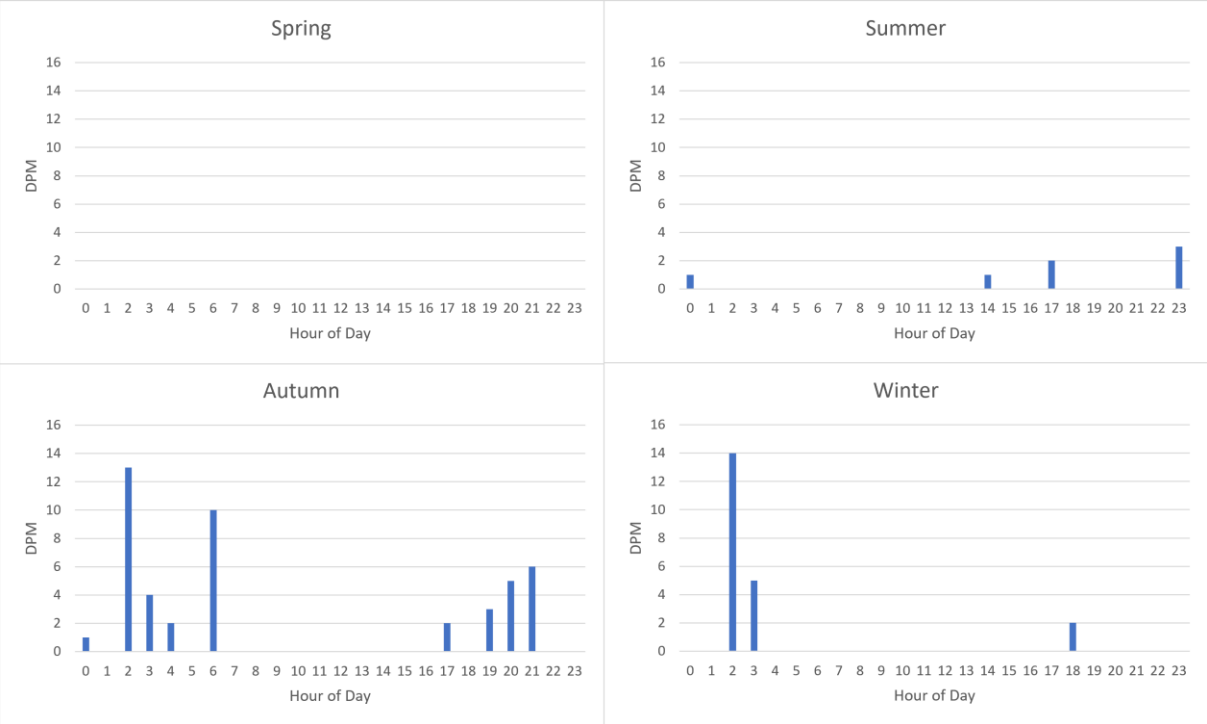


Figure 23: Dolphin DPM by Hour of Day and Solar Season in 2021



[Winter = Dec-Jan-Feb, Spring = Mar-Apr-May, Summer = Jun-Jul-Aug, Autumn = Sep-Oct-Nov]

Table 1: CWD Vessel Survey Effort by Survey Areas

Survey Area	Survey Effort (km)	Survey Effort under Favourable Weather Condition (km)
NEL	1,130.0	996.4
NWL	1,793.2	1,447.3
AW	115.1	112.1
WL	687.5	628.9
SWL	1,642.4	1,496.8
Combined	**5,368.2**	**4,681.5**

Table 2: CWD Sightings by Survey Areas

Survey Area	No. of Sighting	No. of Dolphin	No. of On-effort Sighting under Favourable Weather Condition	No. of On-effort Dolphin under Favourable Weather Condition
NEL	0	0	0	0
NWL	24	86	23	85
AW	0	0	0	0
WL	87	296	84	290
SWL	40	111	40	111
Combined	**151**	**493**	**147**	**486**

Table 3: CWD Encounter Rates by Survey Areas

Survey Area	Encounter Rate (STG)		Encounter Rate (ANI)	
	2020	**2021**	**2020**	**2021**
NEL	0	0	0	0
NWL	0.37	1.59	1.18	5.87
AW	2.87	0	9.56	0
WL	15.76	13.36	63.70	46.11
SWL	3.43	2.67	11.20	7.42
Combined	**3.21**	**3.14**	**11.99**	**10.38**

Table 4: Summary of Monthly and Running Quarterly Encounter Rates STG and ANI

Encounter Rate	Winter		Spring			Summer			Autumn			Winter
	Jan 21	Feb 21	Mar 21	Apr 21	May 21	Jun 21	Jul 21	Aug 21	Sep 21	Oct 21	Nov 21	Dec 21
Monthly STG	4.19	4.17	1.97	2.02	2.91	2.86	6.84	1.32	3.55	3.71	2.16	1.59
Monthly ANI	17.44	15.93	4.42	6.65	7.68	8.25	21.22	4.19	12.29	11.42	8.63	4.51
Running Quarterly STG	3.82	4.12	3.45	2.76	2.30	2.60	4.39	3.69	3.84	2.77	3.15	2.46
Running Quarterly ANI	11.87	13.76	12.69	9.13	6.19	7.51	12.98	11.32	12.38	9.05	10.84	8.11

Table 5: CWD Line Transects Parameters and Estimates of Density and Abundance for Western Hong Kong, 2021

Time Period	Stratum	No. of Sight-ings*	Average Group Size	Trackline Detection Prob. - g(0)	Individual Density (no./100km^2)	Abundance	95% CI (Abund.)	%CV
Jan-Dec 2021	AW	0	2.8	1.0	0.00	0	N/A	N/A
Jan-Dec 2021	DB	1	2.8	1.0	2.18	1	0-4	100.6
Jan-Dec 2021	NEL	0	2.8	1.0	0.00	0	N/A	N/A
Jan-Dec 2021	NWL	16	2.8	1.0	6.22	4	3-7	23.5
Jan-Dec 2021	SWL	30	2.8	1.0	11.02	7	5-12	22.6
Jan-Dec 2021	WL	74	2.8	1.0	64.84	21	14-31	19.4
Jan-Dec 2021	**Pooled^**	**121**	2.8	**1.0**	**16.49**	**34**	**25-46**	**15.5**
Jan-Dec 2021	Winter#	28	2.8	1.0	14.84	32	22-45	17.7
Jan-Dec 2021	Spring#	24	2.8	1.0	14.47	31	20-48	21.8
Jan-Dec 2021	Summer#	34	2.8	1.0	18.91	41	24-70	27.5
Jan-Dec 2021	Autumn#	35	2.8	1.0	19.96	43	24-78	30.3

* After truncation

^ Pooled abundance not including Airport West (AW). Note that the pooled estimates do not necessarily add up to the sum of the individual stratum estimates, as these are computed separately.

The seasonal estimates do not include AW.

Table 6: Average Group Sizes of CWDs by Survey Areas

Survey Area	Average Group Size of CWDs
NEL	0.00
NWL	3.58
AW	0.00
WL	3.40
SWL	2.78
Overall	3.26 ± 2.38

Table 7: Average Group Sizes of CWDs by Seasons

Solar Season	Average Group Size of CWDs
Spring	2.67
Summer	3.07
Autumn	3.38
Winter	3.76

Table 8: Percentage of CWD Groups recorded as Exhibiting Various Behaviours/Activities, and recorded as having Association with Fishing Boat

Survey Area	Year	Activity				Fishing Boat Association
		Feeding	Travelling	Socialising	Resting/Milling	
AW	2020	67%	-	-	-	33%
	2021	-	-	-	-	-
NEL	2020	-	-	-	-	-
	2021	-	-	-	-	-
NWL	2020	14%	-	-	-	-
	2021	29%	13%	21%	4%	-
WL	2020	19%	5%	15%	1%	3%
	2021	24%	18%	21%	3%	8%
SWL	2020	19%	6%	24%	2%	4%
	2021	25%	3%	8%	3%	15%
Overall	2020	19%	5%	17%	1%	4%
	2021	27%	13%	17%	3%	9%

Table 9: Summary of Photo Identification

Individual ID	Date of sighting (dd-mmm-yy)	Sighting No.	Area
NLMM001	19-Jan-21	1	NWL
	22-Jul-21	4	WL
NLMM009	19-Jan-21	2	NWL
		3	NWL
		4	NWL
	15-Jun-21	1	WL
	26-Jul-21	2	NWL
	11-Aug-21	1	NWL
		2	NWL
NLMM013	26-Jul-21	1	NWL
		2	NWL
	11-Aug-21	3	NWL
	20-Sep-21	1	NWL
NLMM015	8-Jun-21	1	WL
		2	WL
	15-Jun-21	1	WL
	26-Jul-21	2	NWL
	11-Aug-21	1	NWL
		2	NWL
	18-Aug-21	2	WL
NLMM016	7-Dec-21	1	NWL
NLMM020	20-Jan-21	2	NWL
	18-Aug-21	2	WL
NLMM021	19-Jan-21	2	NWL
		3	NWL
NLMM023	19-Jan-21	1	NWL
	20-Jan-21	2	NWL
	17-Feb-21	1	NWL
	28-Jul-21	3	NWL
NLMM027	19-Jan-21	1	NWL
	16-Sep-21	6	WL
NLMM039	20-Jan-21	2	NWL
NLMM052	19-Jan-21	1	NWL
	20-Jan-21	2	NWL
	17-Feb-21	1	NWL
NLMM055	19-Jan-21	1	NWL
NLMM058	8-Feb-21	1	NWL
NLMM060	16-Feb-21	1	WL
NLMM061	26-May-21	2	SWL
	16-Sep-21	3	WL
NLMM063	19-Jan-21	1	NWL
	8-Jun-21	2	WL
	18-Aug-21	2	WL
NLMM075	19-Jan-21	1	NWL
NLMM076	20-Jan-21	1	NWL
	5-Feb-21	4	WL
		5	WL
NLMM077	8-Feb-21	1	NWL
NLMM078	8-Feb-21	3	NWL
	22-Jul-21	1	WL
NLMM079	8-Feb-21	3	NWL
NLMM080	8-Feb-21	3	NWL
NLMM081	8-Feb-21	3	NWL
	6-Oct-21	4	WL
SLMM003	12-Apr-21	4	WL
	25-May-21	6	SWL
	14-Jul-21	2	WL
		7	WL
	24-Aug-21	1	WL
	16-Sep-21	6	WL

Individual ID	Date of sighting (dd-mmm-yy)	Sighting No.	Area
	6-Oct-21	6	WL
	4-Nov-21	3	WL
	11-Nov-21	1	SWL
	6-Dec-21	2	SWL
SLMM007	5-Feb-21	4	WL
		5	WL
	12-Apr-21	4	WL
	8-Sep-21	5	SWL
	16-Sep-21	6	WL
	6-Oct-21	4	WL
SLMM010	5-Feb-21	6	WL
	25-May-21	4	SWL
	28-May-21	2	WL
	8-Jun-21	4	WL
	14-Jul-21	2	WL
	22-Jul-21	1	WL
		2	WL
	23-Sep-21	2	WL
	4-Nov-21	3	WL
SLMM012	15-Jan-21	2	SWL
	9-Mar-21	1	WL
	15-Mar-21	2	WL
	25-Jun-21	3	SWL
	13-Jul-21	3	SWL
	24-Aug-21	1	WL
	4-Nov-21	5	WL
	16-Dec-21	1	SWL
SLMM014	15-Jan-21	3	SWL
	5-Feb-21	7	WL
	16-Feb-21	3	WL
	9-Mar-21	1	WL
	15-Mar-21	3	WL
	12-Apr-21	2	WL
		4	WL
	12-Jul-21	2	SWL
	14-Jul-21	5	WL
	8-Sep-21	2	SWL
	16-Sep-21	6	WL
	11-Nov-21	1	SWL
	16-Dec-21	1	SWL
SLMM022	27-Jan-21	5	WL
	16-Sep-21	3	WL
SLMM023	16-Feb-21	3	WL
	13-Jul-21	3	SWL
	16-Sep-21	5	WL
SLMM025	9-Mar-21	1	WL
	6-Oct-21	4	WL
	16-Dec-21	1	SWL
SLMM027	16-Feb-21	5	WL
	13-Jul-21	3	SWL
	4-Nov-21	5	WL
SLMM029	5-Feb-21	2	WL
	8-Sep-21	4	SWL
SLMM030	16-Mar-21	2	NWL
	25-May-21	5	SWL
	19-Oct-21	2	WL
SLMM031	18-Jan-21	2	WL
	26-Jan-21	8	SWL
	15-Mar-21	2	WL
	13-Apr-21	6	SWL
	27-Oct-21	3	SWL
SLMM034	25-May-21	6	SWL

Individual ID	Date of sighting (dd-mmm-yy)	Sighting No.	Area
	13-Jul-21	3	SWL
SLMM035	27-Jan-21	5	WL
	15-Mar-21	2	WL
SLMM037	15-Jan-21	2	SWL
	16-Feb-21	3	WL
	15-Mar-21	2	WL
	12-Apr-21	4	WL
	13-Apr-21	6	SWL
		7	SWL
	25-May-21	6	SWL
	12-Jul-21	3	SWL
	13-Jul-21	2	SWL
	14-Jul-21	7	WL
	24-Aug-21	1	WL
	6-Oct-21	6	WL
	4-Nov-21	3	WL
		5	WL
	6-Dec-21	2	SWL
SLMM045	28-May-21	1	WL
	22-Jul-21	2	WL
SLMM049	27-Jan-21	5	WL
	25-May-21	4	SWL
	13-Jul-21	3	SWL
	6-Oct-21	4	WL
SLMM052	27-Jan-21	5	WL
	25-May-21	6	SWL
	6-Oct-21	4	WL
SLMM055	8-Feb-21	3	NWL
SLMM058	20-Jan-21	1	NWL
	27-Jan-21	1	WL
		3	WL
	4-Nov-21	2	WL
SLMM060	26-Jan-21	2	SWL
		7	SWL
	17-Mar-21	14	SWL
	13-Jul-21	1	SWL
SLMM064	22-Jul-21	3	WL
	8-Sep-21	4	SWL
	16-Sep-21	6	WL
SLMM066	26-Jan-21	8	SWL
	4-Nov-21	4	WL
SLMM070	8-Sep-21	3	SWL
SLMM071	8-Feb-21	3	NWL
	16-Mar-21	2	NWL
SLMM073	5-Feb-21	4	WL
		5	WL
	12-Apr-21	4	WL
	8-Sep-21	5	SWL
	16-Sep-21	6	WL
WLMM001	20-Jan-21	1	NWL
	27-Jan-21	1	WL
		3	WL
	5-Feb-21	4	WL
		5	WL
	12-Jul-21	4	SWL
	22-Jul-21	3	WL
	11-Nov-21	1	SWL
WLMM003	4-Nov-21	1	WL
WLMM004	25-May-21	7	SWL
	26-May-21	3	SWL
	23-Sep-21	3	WL
WLMM006	18-Jan-21	2	WL

Individual ID	Date of sighting (dd-mmm-yy)	Sighting No.	Area
	16-Feb-21	3	WL
WLMM007	12-Apr-21	4	WL
	25-May-21	4	SWL
	8-Sep-21	5	SWL
	16-Sep-21	6	WL
	6-Oct-21	4	WL
WLMM008	27-Jan-21	5	WL
WLMM009	12-Jul-21	6	SWL
WLMM013	8-Feb-21	1	NWL
WLMM018	25-May-21	7	SWL
WLMM019	8-Jun-21	1	WL
		2	WL
	20-Sep-21	1	NWL
WLMM027	25-May-21	3	SWL
WLMM028	18-Jan-21	2	WL
	16-Feb-21	4	WL
	12-Apr-21	2	WL
	22-Jul-21	7	WL
		9	WL
WLMM029	18-Jan-21	2	WL
	16-Feb-21	3	WL
	12-Apr-21	2	WL
	22-Jul-21	7	WL
WLMM030	8-Feb-21	1	NWL
	14-Jul-21	3	WL
WLMM039	16-Feb-21	2	WL
	12-Apr-21	4	WL
WLMM040	27-Jan-21	5	WL
	6-Dec-21	2	SWL
WLMM043	15-Mar-21	1	WL
	8-Jun-21	3	WL
	14-Jul-21	1	WL
		4	WL
	22-Jul-21	1	WL
	6-Oct-21	1	WL
	3-Nov-21	1	WL
	4-Nov-21	1	WL
	15-Dec-21	1	WL
WLMM047	5-Feb-21	4	WL
		5	WL
WLMM051	8-Feb-21	1	NWL
WLMM052	20-Jan-21	2	NWL
	8-Feb-21	1	NWL
WLMM054	16-Mar-21	1	NWL
WLMM055	27-Jan-21	1	WL
		3	WL
WLMM056	16-Feb-21	3	WL
	9-Mar-21	1	WL
	15-Mar-21	2	WL
	16-Sep-21	2	WL
WLMM061	11-May-21	1	WL
WLMM062	6-Oct-21	4	WL
WLMM063	25-May-21	7	SWL
	26-May-21	3	SWL
	22-Jul-21	5	WL
	23-Sep-21	3	WL
WLMM064	8-Feb-21	3	NWL
WLMM065	8-Feb-21	2	NWL
	26-May-21	2	SWL
	8-Jun-21	3	WL
	16-Sep-21	3	WL
WLMM067	20-Jan-21	1	NWL

Individual ID	Date of sighting (dd-mmm-yy)	Sighting No.	Area
	22-Jul-21	1	WL
	8-Sep-21	5	SWL
WLMM068	15-Dec-21	1	WL
WLMM071	19-Jan-21	1	NWL
	20-Jan-21	1	NWL
	8-Feb-21	3	NWL
	16-Feb-21	1	WL
	6-Oct-21	2	WL
	4-Nov-21	2	WL
WLMM073	12-Jul-21	5	SWL
	8-Sep-21	5	SWL
	16-Sep-21	5	WL
WLMM076	14-Jul-21	6	WL
	22-Jul-21	1	WL
WLMM079	20-Jan-21	1	NWL
	26-May-21	3	SWL
	18-Aug-21	2	WL
	16-Sep-21	6	WL
	6-Oct-21	6	WL
	4-Nov-21	3	WL
	11-Nov-21	1	SWL
WLMM083	8-Feb-21	1	NWL
WLMM086	8-Feb-21	1	NWL
WLMM089	28-Jul-21	1	NWL
		2	NWL
WLMM090	8-Feb-21	3	NWL
WLMM091	14-Jul-21	3	WL
WLMM092	14-Jul-21	3	WL
	22-Jul-21	6	WL
WLMM097	8-Feb-21	1	NWL
WLMM107	20-Jan-21	1	NWL
	27-Jan-21	1	WL
		3	WL
	16-Feb-21	2	WL
WLMM111	16-Sep-21	3	WL
WLMM114	15-Jan-21	2	SWL
	27-Jan-21	5	WL
	16-Feb-21	3	WL
	13-Apr-21	7	SWL
	25-Jun-21	3	SWL
	12-Jul-21	4	SWL
	13-Jul-21	3	SWL
	23-Sep-21	3	WL
	4-Nov-21	3	WL
WLMM118	16-Feb-21	4	WL
WLMM122	22-Jul-21	1	WL
WLMM131	26-Jan-21	8	SWL
	27-Jan-21	4	WL
	5-Feb-21	2	WL
	13-Apr-21	6	SWL
		7	SWL
	25-Jun-21	1	SWL
	14-Jul-21	6	WL
	23-Sep-21	2	WL
	11-Nov-21	1	SWL
WLMM135	26-May-21	3	SWL
WLMM136	20-Jan-21	2	NWL
	8-Feb-21	1	NWL
WLMM138	8-Feb-21	1	NWL
WLMM141	20-Jan-21	1	NWL
WLMM147	20-Jan-21	1	NWL
WLMM149	20-Jan-21	1	NWL

Individual ID	Date of sighting (dd-mmm-yy)	Sighting No.	Area
	27-Jan-21	1	WL
		3	WL
	16-Feb-21	2	WL
	4-Nov-21	2	WL
WLMM152	16-Sep-21	3	WL
WLMM156	8-Jun-21	1	WL
WLMM160	12-Apr-21	2	WL
WLMM164	8-Jun-21	1	WL
		2	WL
	15-Jun-21	1	WL
	11-Aug-21	1	NWL
		2	NWL
	18-Aug-21	2	WL
WLMM165	8-Jun-21	1	WL
WLMM166	22-Jul-21	2	WL
WLMM167	16-Sep-21	6	WL
WLMM168	6-Oct-21	2	WL
WLMM169	6-Oct-21	4	WL
WLMM170	6-Oct-21	4	WL

Table 10: Land-based Survey, Theodolite Effort and CWD Group Summary in 2021

Land-based Station	# of Survey Sessions	Survey Effort (hh:mm)	# CWD Groups Sighted	CWD Group Sighting per Survey Hr	# Groups After Filtering	# of 10-minutes segments
Sha Chau	12	72:00	0	0	0	0
Lung Kwu Chau	12	72:00	16	0.22	8	13
TOTAL	**24**	**144:00**	**16**	**0.11**	**8**	**13**

Table 11: Land-based CWD Focal Group Size Summary in 2021

Category	n (sample size)	Minimum # Individuals	Maximum # Individuals	Mean Grp Size	Standard Deviation
Lung Kwu Chau Station Total	16	1	7	3.0	1.8
Winter	8	1	7	2.6	1.8
Spring	2	1	4	2.5	2.1
Summer	1	2	2	2.0	0
Autumn	5	2	7	4.0	1.9
Dry	12	1	7	2.6	1.6
Wet	4	2	7	4.3	2.1
Inside SCLKCMP boundary	5	2	7	4.8	2.2
Crossing SCLKCMP boundary	3	1	4	2.3	1.5
Outside SCLKCMP boundary	8	1	3	2.1	0.6
No vessel	7	2	7	4.6	1.8
High speed ferry within 500 m	1	3	3	3.0	0
Other vessels within 500 m	5	1	4	2.8	1.6

Table 12: CWD Mean Swimming Speed, Reorientation Rate, and Linearity based on Vessel Presence recorded from Lung Kwu Chau in 2021

Vessel Type	Segment Sample Size	Mean Speed (Std. dev.)	Mean Reorientation Rate (Std. dev.)	Mean Linearity (Std. dev.)
No vessel	7	3.74 (1.31)	35.54 (25.39)	0.72 (0.28)
High speed ferry	1	5.78 (N/A)	10.76 (N/A)	0.96 (N/A)
Other vessels	5	2.76 (1.34)	27.26 (27.57)	0.88 (0.15)

Table 13: Summary of PAM Deployments and Dolphin Detections, 30 Dec 2020 to 10 Jan 2022

Site	Dep #	Deployment date (dd/mm/yyyy)	Retrieval date (dd/mm/yyyy)	Dep days	Logged days	Dolphin DPM	Dolphin DPD	DPD % of days
A5	1	30/12/2020	24/02/2021	57	0	0	0	0%
A5	2	24/02/2021	08/03/2021	13	13.0	0	0	0%
A5	3	08/03/2021	20/05/2021	74	74.0	0	0	0%
A5	4	20/05/2021	04/08/2021	77	32.2	0	0	0%
A5	5	04/08/2021	11/10/2021	69	69.0	16	7	10.14%
A5	6	11/10/2021	10/01/2022	92	91.8	58	12	13.07%
A5	Total	30/12/2020	10/01/2022	382	279.9	74	19	6.79%

Remarks:

Dep = Deployment

DPD = detection positive days (days with one or more dolphin detections)

DPM = detection positive minutes (minutes with at least one dolphin click train detected)

DPD % = detection positive days as a percentage of total logged days

CWD Small Vessel Line-transect Survey **Survey Effort Data**

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
11-Jan-21	DB	3	0.700	WINTER	32166	3RS ET	P
11-Jan-21	DB	4	6.710	WINTER	32166	3RS ET	P
11-Jan-21	DB	5	1.190	WINTER	32166	3RS ET	P
11-Jan-21	DB	3	2.460	WINTER	32166	3RS ET	S
11-Jan-21	DB	4	1.060	WINTER	32166	3RS ET	S
11-Jan-21	DB	5	0.880	WINTER	32166	3RS ET	S
11-Jan-21	NEL	2	6.200	WINTER	32166	3RS ET	P
11-Jan-21	NEL	3	24.380	WINTER	32166	3RS ET	P
11-Jan-21	NEL	4	6.900	WINTER	32166	3RS ET	P
11-Jan-21	NEL	2	1.900	WINTER	32166	3RS ET	S
11-Jan-21	NEL	3	7.320	WINTER	32166	3RS ET	S
11-Jan-21	NEL	4	0.500	WINTER	32166	3RS ET	S
12-Jan-21	DB	3	0.800	WINTER	32166	3RS ET	P
12-Jan-21	DB	4	7.920	WINTER	32166	3RS ET	P
12-Jan-21	DB	3	0.860	WINTER	32166	3RS ET	S
12-Jan-21	DB	4	3.220	WINTER	32166	3RS ET	S
12-Jan-21	NEL	2	8.900	WINTER	32166	3RS ET	P
12-Jan-21	NEL	3	28.460	WINTER	32166	3RS ET	P
12-Jan-21	NEL	2	2.600	WINTER	32166	3RS ET	S
12-Jan-21	NEL	3	7.040	WINTER	32166	3RS ET	S
15-Jan-21	SWL	2	12.333	WINTER	32166	3RS ET	P
15-Jan-21	SWL	3	36.540	WINTER	32166	3RS ET	P
15-Jan-21	SWL	4	0.687	WINTER	32166	3RS ET	P
15-Jan-21	SWL	2	4.680	WINTER	32166	3RS ET	S
15-Jan-21	SWL	3	11.610	WINTER	32166	3RS ET	S
18-Jan-21	AW	3	4.810	WINTER	32166	3RS ET	P
18-Jan-21	WL	3	18.290	WINTER	32166	3RS ET	P
18-Jan-21	WL	4	1.470	WINTER	32166	3RS ET	P
18-Jan-21	WL	3	9.240	WINTER	32166	3RS ET	S
18-Jan-21	WL	4	1.200	WINTER	32166	3RS ET	S
19-Jan-21	NWL	2	40.189	WINTER	32166	3RS ET	P
19-Jan-21	NWL	3	21.431	WINTER	32166	3RS ET	P
19-Jan-21	NWL	2	8.240	WINTER	32166	3RS ET	S
19-Jan-21	NWL	3	2.750	WINTER	32166	3RS ET	S
19-Jan-21	NWL	4	0.600	WINTER	32166	3RS ET	S
20-Jan-21	NWL	2	60.280	WINTER	32166	3RS ET	P
20-Jan-21	NWL	3	1.830	WINTER	32166	3RS ET	P
20-Jan-21	NWL	2	11.100	WINTER	32166	3RS ET	S
20-Jan-21	NWL	3	0.490	WINTER	32166	3RS ET	S
26-Jan-21	SWL	2	52.857	WINTER	32166	3RS ET	P
26-Jan-21	SWL	2	13.957	WINTER	32166	3RS ET	S
27-Jan-21	AW	2	4.600	WINTER	32166	3RS ET	P
27-Jan-21	WL	2	12.824	WINTER	32166	3RS ET	P
27-Jan-21	WL	3	4.560	WINTER	32166	3RS ET	P
27-Jan-21	WL	2	7.273	WINTER	32166	3RS ET	S
27-Jan-21	WL	3	3.305	WINTER	32166	3RS ET	S
5-Feb-21	AW	3	4.670	WINTER	32166	3RS ET	P
5-Feb-21	WL	2	10.448	WINTER	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
5-Feb-21	WL	3	6.690	WINTER	32166	3RS ET	P
5-Feb-21	WL	2	7.922	WINTER	32166	3RS ET	S
5-Feb-21	WL	3	2.180	WINTER	32166	3RS ET	S
8-Feb-21	NWL	2	3.780	WINTER	32166	3RS ET	P
8-Feb-21	NWL	3	24.720	WINTER	32166	3RS ET	P
8-Feb-21	NWL	4	30.770	WINTER	32166	3RS ET	P
8-Feb-21	NWL	2	4.170	WINTER	32166	3RS ET	S
8-Feb-21	NWL	3	1.900	WINTER	32166	3RS ET	S
8-Feb-21	NWL	4	5.440	WINTER	32166	3RS ET	S
9-Feb-21	DB	2	5.990	WINTER	32166	3RS ET	P
9-Feb-21	DB	3	2.470	WINTER	32166	3RS ET	P
9-Feb-21	DB	2	1.890	WINTER	32166	3RS ET	S
9-Feb-21	DB	3	2.350	WINTER	32166	3RS ET	S
9-Feb-21	NEL	2	2.900	WINTER	32166	3RS ET	P
9-Feb-21	NEL	3	32.690	WINTER	32166	3RS ET	P
9-Feb-21	NEL	4	1.400	WINTER	32166	3RS ET	P
9-Feb-21	NEL	3	10.310	WINTER	32166	3RS ET	S
16-Feb-21	AW	3	4.800	WINTER	32166	3RS ET	P
16-Feb-21	WL	2	10.372	WINTER	32166	3RS ET	P
16-Feb-21	WL	3	9.920	WINTER	32166	3RS ET	P
16-Feb-21	WL	2	6.548	WINTER	32166	3RS ET	S
16-Feb-21	WL	3	3.027	WINTER	32166	3RS ET	S
17-Feb-21	NWL	2	8.500	WINTER	32166	3RS ET	P
17-Feb-21	NWL	3	54.950	WINTER	32166	3RS ET	P
17-Feb-21	NWL	2	2.000	WINTER	32166	3RS ET	S
17-Feb-21	NWL	3	8.950	WINTER	32166	3RS ET	S
22-Feb-21	SWL	1	11.870	WINTER	32166	3RS ET	P
22-Feb-21	SWL	2	41.274	WINTER	32166	3RS ET	P
22-Feb-21	SWL	1	3.184	WINTER	32166	3RS ET	S
22-Feb-21	SWL	2	12.507	WINTER	32166	3RS ET	S
23-Feb-21	SWL	2	52.641	WINTER	32166	3RS ET	P
23-Feb-21	SWL	3	2.000	WINTER	32166	3RS ET	P
23-Feb-21	SWL	2	15.510	WINTER	32166	3RS ET	S
24-Feb-21	NEL	2	1.950	WINTER	32166	3RS ET	P
24-Feb-21	NEL	3	35.420	WINTER	32166	3RS ET	P
24-Feb-21	NEL	2	2.960	WINTER	32166	3RS ET	S
24-Feb-21	NEL	3	7.270	WINTER	32166	3RS ET	S
24-Feb-21	DB	2	0.330	WINTER	32166	3RS ET	P
24-Feb-21	DB	3	7.960	WINTER	32166	3RS ET	P
24-Feb-21	DB	2	1.040	WINTER	32166	3RS ET	S
24-Feb-21	DB	3	3.570	WINTER	32166	3RS ET	S
3-Mar-21	DB	2	6.950	SPRING	32166	3RS ET	P
3-Mar-21	DB	3	1.120	SPRING	32166	3RS ET	P
3-Mar-21	DB	2	4.230	SPRING	32166	3RS ET	S
3-Mar-21	NEL	3	37.340	SPRING	32166	3RS ET	P
3-Mar-21	NEL	3	9.760	SPRING	32166	3RS ET	S
8-Mar-21	NWL	2	1.100	SPRING	32166	3RS ET	P
8-Mar-21	NWL	3	35.740	SPRING	32166	3RS ET	P
8-Mar-21	NWL	4	26.780	SPRING	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
8-Mar-21	NWL	2	2.300	SPRING	32166	3RS ET	S
8-Mar-21	NWL	3	5.000	SPRING	32166	3RS ET	S
8-Mar-21	NWL	4	3.900	SPRING	32166	3RS ET	S
9-Mar-21	AW	3	4.720	SPRING	32166	3RS ET	P
9-Mar-21	WL	2	9.720	SPRING	32166	3RS ET	P
9-Mar-21	WL	3	10.360	SPRING	32166	3RS ET	P
9-Mar-21	WL	2	6.740	SPRING	32166	3RS ET	S
9-Mar-21	WL	3	4.630	SPRING	32166	3RS ET	S
10-Mar-21	DB	2	5.060	SPRING	32166	3RS ET	P
10-Mar-21	DB	3	2.960	SPRING	32166	3RS ET	P
10-Mar-21	DB	2	2.780	SPRING	32166	3RS ET	S
10-Mar-21	DB	3	1.400	SPRING	32166	3RS ET	S
10-Mar-21	NEL	2	1.100	SPRING	32166	3RS ET	P
10-Mar-21	NEL	3	25.400	SPRING	32166	3RS ET	P
10-Mar-21	NEL	4	10.430	SPRING	32166	3RS ET	P
10-Mar-21	NEL	3	7.070	SPRING	32166	3RS ET	S
10-Mar-21	NEL	4	3.100	SPRING	32166	3RS ET	S
12-Mar-21	SWL	1	3.850	SPRING	32166	3RS ET	P
12-Mar-21	SWL	2	49.702	SPRING	32166	3RS ET	P
12-Mar-21	SWL	3	0.900	SPRING	32166	3RS ET	P
12-Mar-21	SWL	2	14.678	SPRING	32166	3RS ET	S
12-Mar-21	SWL	3	1.100	SPRING	32166	3RS ET	S
15-Mar-21	AW	2	1.910	SPRING	32166	3RS ET	P
15-Mar-21	AW	3	2.740	SPRING	32166	3RS ET	P
15-Mar-21	WL	2	16.658	SPRING	32166	3RS ET	P
15-Mar-21	WL	3	3.340	SPRING	32166	3RS ET	P
15-Mar-21	WL	2	9.742	SPRING	32166	3RS ET	S
16-Mar-21	NWL	2	58.960	SPRING	32166	3RS ET	P
16-Mar-21	NWL	3	3.860	SPRING	32166	3RS ET	P
16-Mar-21	NWL	2	8.700	SPRING	32166	3RS ET	S
16-Mar-21	NWL	3	1.900	SPRING	32166	3RS ET	S
17-Mar-21	SWL	2	49.752	SPRING	32166	3RS ET	P
17-Mar-21	SWL	3	2.340	SPRING	32166	3RS ET	P
17-Mar-21	SWL	2	15.682	SPRING	32166	3RS ET	S
7-Apr-21	NWL	2	5.840	SPRING	32166	3RS ET	P
7-Apr-21	NWL	3	45.160	SPRING	32166	3RS ET	P
7-Apr-21	NWL	4	12.900	SPRING	32166	3RS ET	P
7-Apr-21	NWL	3	8.800	SPRING	32166	3RS ET	S
7-Apr-21	NWL	4	2.600	SPRING	32166	3RS ET	S
12-Apr-21	AW	2	2.950	SPRING	32166	3RS ET	P
12-Apr-21	AW	3	1.920	SPRING	32166	3RS ET	P
12-Apr-21	WL	2	14.085	SPRING	32166	3RS ET	P
12-Apr-21	WL	3	4.941	SPRING	32166	3RS ET	P
12-Apr-21	WL	2	7.213	SPRING	32166	3RS ET	S
12-Apr-21	WL	3	2.029	SPRING	32166	3RS ET	S
12-Apr-21	WL	4	0.970	SPRING	32166	3RS ET	S
13-Apr-21	SWL	1	1.810	SPRING	32166	3RS ET	P
13-Apr-21	SWL	2	43.686	SPRING	32166	3RS ET	P
13-Apr-21	SWL	3	7.090	SPRING	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
13-Apr-21	SWL	2	13.349	SPRING	32166	3RS ET	S
13-Apr-21	SWL	3	2.280	SPRING	32166	3RS ET	S
14-Apr-21	DB	2	6.800	SPRING	32166	3RS ET	P
14-Apr-21	DB	3	1.400	SPRING	32166	3RS ET	P
14-Apr-21	DB	2	3.200	SPRING	32166	3RS ET	S
14-Apr-21	DB	3	1.000	SPRING	32166	3RS ET	S
14-Apr-21	NEL	3	37.080	SPRING	32166	3RS ET	P
14-Apr-21	NEL	3	9.920	SPRING	32166	3RS ET	S
15-Apr-21	DB	2	3.160	SPRING	32166	3RS ET	P
15-Apr-21	DB	3	5.080	SPRING	32166	3RS ET	P
15-Apr-21	DB	2	0.850	SPRING	32166	3RS ET	S
15-Apr-21	DB	3	3.210	SPRING	32166	3RS ET	S
15-Apr-21	NEL	3	29.770	SPRING	32166	3RS ET	P
15-Apr-21	NEL	4	7.400	SPRING	32166	3RS ET	P
15-Apr-21	NEL	3	7.730	SPRING	32166	3RS ET	S
15-Apr-21	NEL	4	2.100	SPRING	32166	3RS ET	S
19-Apr-21	NWL	3	24.300	SPRING	32166	3RS ET	P
19-Apr-21	NWL	4	33.330	SPRING	32166	3RS ET	P
19-Apr-21	NWL	5	6.370	SPRING	32166	3RS ET	P
19-Apr-21	NWL	3	5.900	SPRING	32166	3RS ET	S
19-Apr-21	NWL	4	2.900	SPRING	32166	3RS ET	S
19-Apr-21	NWL	5	3.000	SPRING	32166	3RS ET	S
20-Apr-21	AW	3	4.860	SPRING	32166	3RS ET	P
20-Apr-21	WL	2	1.600	SPRING	32166	3RS ET	P
20-Apr-21	WL	3	18.466	SPRING	32166	3RS ET	P
20-Apr-21	WL	2	1.100	SPRING	32166	3RS ET	S
20-Apr-21	WL	3	9.774	SPRING	32166	3RS ET	S
21-Apr-21	SWL	3	25.980	SPRING	32166	3RS ET	P
21-Apr-21	SWL	4	13.080	SPRING	32166	3RS ET	P
21-Apr-21	SWL	5	15.050	SPRING	32166	3RS ET	P
21-Apr-21	SWL	3	8.070	SPRING	32166	3RS ET	S
21-Apr-21	SWL	4	4.740	SPRING	32166	3RS ET	S
21-Apr-21	SWL	5	3.380	SPRING	32166	3RS ET	S
6-May-21	DB	3	7.170	SPRING	32166	3RS ET	P
6-May-21	DB	2	1.000	SPRING	32166	3RS ET	S
6-May-21	DB	3	4.430	SPRING	32166	3RS ET	S
6-May-21	NEL	3	30.130	SPRING	32166	3RS ET	P
6-May-21	NEL	4	7.170	SPRING	32166	3RS ET	P
6-May-21	NEL	3	10.100	SPRING	32166	3RS ET	S
11-May-21	AW	3	4.870	SPRING	32166	3RS ET	P
11-May-21	WL	3	17.180	SPRING	32166	3RS ET	P
11-May-21	WL	4	3.240	SPRING	32166	3RS ET	P
11-May-21	WL	3	7.890	SPRING	32166	3RS ET	S
11-May-21	WL	4	1.970	SPRING	32166	3RS ET	S
20-May-21	NWL	3	41.600	SPRING	32166	3RS ET	P
20-May-21	NWL	4	22.100	SPRING	32166	3RS ET	P
20-May-21	NWL	3	6.000	SPRING	32166	3RS ET	S
20-May-21	NWL	4	5.400	SPRING	32166	3RS ET	S
21-May-21	DB	3	6.930	SPRING	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
21-May-21	DB	3	3.050	SPRING	32166	3RS ET	S
21-May-21	NEL	2	0.669	SPRING	32166	3RS ET	P
21-May-21	NEL	3	36.410	SPRING	32166	3RS ET	P
21-May-21	NEL	2	0.941	SPRING	32166	3RS ET	S
21-May-21	NEL	3	8.580	SPRING	32166	3RS ET	S
25-May-21	SWL	1	4.200	SPRING	32166	3RS ET	P
25-May-21	SWL	2	26.979	SPRING	32166	3RS ET	P
25-May-21	SWL	3	20.210	SPRING	32166	3RS ET	P
25-May-21	SWL	4	1.310	SPRING	32166	3RS ET	P
25-May-21	SWL	1	3.900	SPRING	32166	3RS ET	S
25-May-21	SWL	2	5.088	SPRING	32166	3RS ET	S
25-May-21	SWL	3	6.580	SPRING	32166	3RS ET	S
26-May-21	SWL	1	1.240	SPRING	32166	3RS ET	P
26-May-21	SWL	2	18.494	SPRING	32166	3RS ET	P
26-May-21	SWL	3	27.800	SPRING	32166	3RS ET	P
26-May-21	SWL	4	6.000	SPRING	32166	3RS ET	P
26-May-21	SWL	2	3.830	SPRING	32166	3RS ET	S
26-May-21	SWL	3	9.860	SPRING	32166	3RS ET	S
26-May-21	SWL	4	1.330	SPRING	32166	3RS ET	S
27-May-21	NWL	2	8.010	SPRING	32166	3RS ET	P
27-May-21	NWL	3	37.990	SPRING	32166	3RS ET	P
27-May-21	NWL	4	18.800	SPRING	32166	3RS ET	P
27-May-21	NWL	3	8.600	SPRING	32166	3RS ET	S
27-May-21	NWL	4	2.300	SPRING	32166	3RS ET	S
28-May-21	AW	2	4.730	SPRING	32166	3RS ET	P
28-May-21	WL	2	2.400	SPRING	32166	3RS ET	P
28-May-21	WL	3	14.857	SPRING	32166	3RS ET	P
28-May-21	WL	4	2.016	SPRING	32166	3RS ET	P
28-May-21	WL	3	8.377	SPRING	32166	3RS ET	S
28-May-21	WL	4	1.220	SPRING	32166	3RS ET	S
4-Jun-21	DB	3	3.450	SUMMER	32166	3RS ET	P
4-Jun-21	DB	4	4.360	SUMMER	32166	3RS ET	P
4-Jun-21	DB	3	3.490	SUMMER	32166	3RS ET	S
4-Jun-21	DB	4	0.900	SUMMER	32166	3RS ET	S
4-Jun-21	NEL	2	15.070	SUMMER	32166	3RS ET	P
4-Jun-21	NEL	3	17.100	SUMMER	32166	3RS ET	P
4-Jun-21	NEL	4	5.200	SUMMER	32166	3RS ET	P
4-Jun-21	NEL	2	4.230	SUMMER	32166	3RS ET	S
4-Jun-21	NEL	3	5.800	SUMMER	32166	3RS ET	S
7-Jun-21	SWL	3	15.180	SUMMER	32166	3RS ET	P
7-Jun-21	SWL	4	32.070	SUMMER	32166	3RS ET	P
7-Jun-21	SWL	5	6.500	SUMMER	32166	3RS ET	P
7-Jun-21	SWL	2	0.800	SUMMER	32166	3RS ET	S
7-Jun-21	SWL	3	0.600	SUMMER	32166	3RS ET	S
7-Jun-21	SWL	4	6.250	SUMMER	32166	3RS ET	S
7-Jun-21	SWL	5	2.800	SUMMER	32166	3RS ET	S
8-Jun-21	AW	2	4.950	SUMMER	32166	3RS ET	P
8-Jun-21	WL	2	8.959	SUMMER	32166	3RS ET	P
8-Jun-21	WL	3	8.488	SUMMER	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
8-Jun-21	WL	2	4.800	SUMMER	32166	3RS ET	S
8-Jun-21	WL	3	4.462	SUMMER	32166	3RS ET	S
15-Jun-21	WL	2	0.910	SUMMER	32166	3RS ET	P
15-Jun-21	WL	3	15.750	SUMMER	32166	3RS ET	P
15-Jun-21	WL	4	3.148	SUMMER	32166	3RS ET	P
15-Jun-21	WL	2	1.320	SUMMER	32166	3RS ET	S
15-Jun-21	WL	3	7.130	SUMMER	32166	3RS ET	S
15-Jun-21	WL	4	2.542	SUMMER	32166	3RS ET	S
15-Jun-21	AW	3	4.200	SUMMER	32166	3RS ET	P
17-Jun-21	NWL	3	47.300	SUMMER	32166	3RS ET	P
17-Jun-21	NWL	4	17.300	SUMMER	32166	3RS ET	P
17-Jun-21	NWL	3	8.900	SUMMER	32166	3RS ET	S
17-Jun-21	NWL	4	2.300	SUMMER	32166	3RS ET	S
21-Jun-21	NWL	3	19.300	SUMMER	32166	3RS ET	P
21-Jun-21	NWL	4	42.410	SUMMER	32166	3RS ET	P
21-Jun-21	NWL	3	9.200	SUMMER	32166	3RS ET	S
21-Jun-21	NWL	4	5.400	SUMMER	32166	3RS ET	S
22-Jun-21	NEL	2	22.400	SUMMER	32166	3RS ET	P
22-Jun-21	NEL	3	14.510	SUMMER	32166	3RS ET	P
22-Jun-21	NEL	2	4.100	SUMMER	32166	3RS ET	S
22-Jun-21	NEL	3	6.390	SUMMER	32166	3RS ET	S
25-Jun-21	SWL	2	22.860	SUMMER	32166	3RS ET	P
25-Jun-21	SWL	3	24.890	SUMMER	32166	3RS ET	P
25-Jun-21	SWL	2	11.130	SUMMER	32166	3RS ET	S
25-Jun-21	SWL	3	4.460	SUMMER	32166	3RS ET	S
22-Jun-21	DB	1	0.600	SUMMER	32166	3RS ET	P
22-Jun-21	DB	2	7.520	SUMMER	32166	3RS ET	P
22-Jun-21	DB	1	1.300	SUMMER	32166	3RS ET	S
22-Jun-21	DB	2	2.830	SUMMER	32166	3RS ET	S
12-Jul-21	SWL	2	25.750	SUMMER	32166	3RS ET	P
12-Jul-21	SWL	3	25.520	SUMMER	32166	3RS ET	P
12-Jul-21	SWL	2	8.900	SUMMER	32166	3RS ET	S
12-Jul-21	SWL	3	6.610	SUMMER	32166	3RS ET	S
13-Jul-21	SWL	1	1.050	SUMMER	32166	3RS ET	P
13-Jul-21	SWL	2	35.764	SUMMER	32166	3RS ET	P
13-Jul-21	SWL	3	14.402	SUMMER	32166	3RS ET	P
13-Jul-21	SWL	1	1.160	SUMMER	32166	3RS ET	S
13-Jul-21	SWL	2	9.900	SUMMER	32166	3RS ET	S
13-Jul-21	SWL	3	4.150	SUMMER	32166	3RS ET	S
14-Jul-21	AW	2	4.740	SUMMER	32166	3RS ET	P
14-Jul-21	WL	1	0.970	SUMMER	32166	3RS ET	P
14-Jul-21	WL	2	6.905	SUMMER	32166	3RS ET	P
14-Jul-21	WL	3	8.190	SUMMER	32166	3RS ET	P
14-Jul-21	WL	2	4.141	SUMMER	32166	3RS ET	S
14-Jul-21	WL	3	5.059	SUMMER	32166	3RS ET	S
19-Jul-21	NEL	3	31.750	SUMMER	32166	3RS ET	P
19-Jul-21	NEL	4	5.200	SUMMER	32166	3RS ET	P
19-Jul-21	NEL	3	8.950	SUMMER	32166	3RS ET	S
19-Jul-21	NEL	4	1.300	SUMMER	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
19-Jul-21	DB	3	7.750	SUMMER	32166	3RS ET	P
19-Jul-21	DB	3	4.140	SUMMER	32166	3RS ET	S
21-Jul-21	DB	2	3.450	SUMMER	32166	3RS ET	P
21-Jul-21	DB	3	4.310	SUMMER	32166	3RS ET	P
21-Jul-21	DB	2	2.290	SUMMER	32166	3RS ET	S
21-Jul-21	DB	3	1.950	SUMMER	32166	3RS ET	S
21-Jul-21	NEL	2	5.200	SUMMER	32166	3RS ET	P
21-Jul-21	NEL	3	31.980	SUMMER	32166	3RS ET	P
21-Jul-21	NEL	2	4.000	SUMMER	32166	3RS ET	S
21-Jul-21	NEL	3	6.120	SUMMER	32166	3RS ET	S
22-Jul-21	AW	2	2.010	SUMMER	32166	3RS ET	P
22-Jul-21	AW	3	2.980	SUMMER	32166	3RS ET	P
22-Jul-21	WL	2	9.208	SUMMER	32166	3RS ET	P
22-Jul-21	WL	3	5.108	SUMMER	32166	3RS ET	P
22-Jul-21	WL	4	0.310	SUMMER	32166	3RS ET	P
22-Jul-21	WL	2	2.660	SUMMER	32166	3RS ET	S
22-Jul-21	WL	3	4.919	SUMMER	32166	3RS ET	S
22-Jul-21	WL	4	0.660	SUMMER	32166	3RS ET	S
26-Jul-21	NWL	2	62.210	SUMMER	32166	3RS ET	P
26-Jul-21	NWL	2	10.690	SUMMER	32166	3RS ET	S
28-Jul-21	NWL	2	34.380	SUMMER	32166	3RS ET	P
28-Jul-21	NWL	3	28.060	SUMMER	32166	3RS ET	P
28-Jul-21	NWL	4	0.600	SUMMER	32166	3RS ET	P
28-Jul-21	NWL	2	3.370	SUMMER	32166	3RS ET	S
28-Jul-21	NWL	3	7.420	SUMMER	32166	3RS ET	S
11-Aug-21	NWL	2	50.150	SUMMER	32166	3RS ET	P
11-Aug-21	NWL	3	10.620	SUMMER	32166	3RS ET	P
11-Aug-21	NWL	2	11.950	SUMMER	32166	3RS ET	S
16-Aug-21	SWL	2	38.120	SUMMER	32166	3RS ET	P
16-Aug-21	SWL	3	16.400	SUMMER	32166	3RS ET	P
16-Aug-21	SWL	2	12.480	SUMMER	32166	3RS ET	S
16-Aug-21	SWL	3	3.200	SUMMER	32166	3RS ET	S
18-Aug-21	AW	2	2.970	SUMMER	32166	3RS ET	P
18-Aug-21	AW	3	1.820	SUMMER	32166	3RS ET	P
18-Aug-21	WL	2	3.420	SUMMER	32166	3RS ET	P
18-Aug-21	WL	3	15.902	SUMMER	32166	3RS ET	P
18-Aug-21	WL	2	1.090	SUMMER	32166	3RS ET	S
18-Aug-21	WL	3	8.908	SUMMER	32166	3RS ET	S
19-Aug-21	NWL	2	35.700	SUMMER	32166	3RS ET	P
19-Aug-21	NWL	3	28.600	SUMMER	32166	3RS ET	P
19-Aug-21	NWL	2	9.900	SUMMER	32166	3RS ET	S
19-Aug-21	NWL	3	1.300	SUMMER	32166	3RS ET	S
20-Aug-21	SWL	1	1.087	SUMMER	32166	3RS ET	P
20-Aug-21	SWL	2	48.720	SUMMER	32166	3RS ET	P
20-Aug-21	SWL	3	3.500	SUMMER	32166	3RS ET	P
20-Aug-21	SWL	1	14.483	SUMMER	32166	3RS ET	S
20-Aug-21	SWL	2	2.300	SUMMER	32166	3RS ET	S
24-Aug-21	AW	2	4.770	SUMMER	32166	3RS ET	P
24-Aug-21	WL	2	6.700	SUMMER	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
24-Aug-21	WL	3	13.750	SUMMER	32166	3RS ET	P
24-Aug-21	WL	2	3.190	SUMMER	32166	3RS ET	S
24-Aug-21	WL	3	7.610	SUMMER	32166	3RS ET	S
25-Aug-21	NEL	2	27.950	SUMMER	32166	3RS ET	P
25-Aug-21	NEL	3	9.200	SUMMER	32166	3RS ET	P
25-Aug-21	NEL	2	6.650	SUMMER	32166	3RS ET	S
25-Aug-21	NEL	3	3.400	SUMMER	32166	3RS ET	S
25-Aug-21	DB	2	8.030	SUMMER	32166	3RS ET	P
25-Aug-21	DB	2	4.370	SUMMER	32166	3RS ET	S
26-Aug-21	DB	2	7.970	SUMMER	32166	3RS ET	P
26-Aug-21	DB	2	4.130	SUMMER	32166	3RS ET	S
26-Aug-21	NEL	2	26.405	SUMMER	32166	3RS ET	P
26-Aug-21	NEL	3	10.375	SUMMER	32166	3RS ET	P
26-Aug-21	NEL	2	7.360	SUMMER	32166	3RS ET	S
26-Aug-21	NEL	3	3.160	SUMMER	32166	3RS ET	S
6-Sep-21	DB	2	7.820	AUTUMN	32166	3RS ET	P
6-Sep-21	DB	2	4.380	AUTUMN	32166	3RS ET	S
6-Sep-21	NEL	2	36.750	AUTUMN	32166	3RS ET	P
6-Sep-21	NEL	2	8.950	AUTUMN	32166	3RS ET	S
6-Sep-21	NEL	3	1.200	AUTUMN	32166	3RS ET	S
7-Sep-21	NWL	2	19.780	AUTUMN	32166	3RS ET	P
7-Sep-21	NWL	3	37.420	AUTUMN	32166	3RS ET	P
7-Sep-21	NWL	4	6.000	AUTUMN	32166	3RS ET	P
7-Sep-21	NWL	2	5.300	AUTUMN	32166	3RS ET	S
7-Sep-21	NWL	3	6.000	AUTUMN	32166	3RS ET	S
7-Sep-21	NWL	4	1.100	AUTUMN	32166	3RS ET	S
8-Sep-21	SWL	2	28.388	AUTUMN	32166	3RS ET	P
8-Sep-21	SWL	3	23.140	AUTUMN	32166	3RS ET	P
8-Sep-21	SWL	2	10.386	AUTUMN	32166	3RS ET	S
8-Sep-21	SWL	3	4.150	AUTUMN	32166	3RS ET	S
10-Sep-21	DB	3	8.030	AUTUMN	32166	3RS ET	P
10-Sep-21	DB	3	4.070	AUTUMN	32166	3RS ET	S
10-Sep-21	NEL	2	7.300	AUTUMN	32166	3RS ET	P
10-Sep-21	NEL	3	26.580	AUTUMN	32166	3RS ET	P
10-Sep-21	NEL	4	3.200	AUTUMN	32166	3RS ET	P
10-Sep-21	NEL	2	2.820	AUTUMN	32166	3RS ET	S
10-Sep-21	NEL	3	7.300	AUTUMN	32166	3RS ET	S
14-Sep-21	SWL	2	29.785	AUTUMN	32166	3RS ET	P
14-Sep-21	SWL	3	20.800	AUTUMN	32166	3RS ET	P
14-Sep-21	SWL	4	2.450	AUTUMN	32166	3RS ET	P
14-Sep-21	SWL	2	9.852	AUTUMN	32166	3RS ET	S
14-Sep-21	SWL	3	7.200	AUTUMN	32166	3RS ET	S
16-Sep-21	AW	2	4.860	AUTUMN	32166	3RS ET	P
16-Sep-21	WL	2	9.094	AUTUMN	32166	3RS ET	P
16-Sep-21	WL	3	5.730	AUTUMN	32166	3RS ET	P
16-Sep-21	WL	2	3.753	AUTUMN	32166	3RS ET	S
16-Sep-21	WL	3	4.210	AUTUMN	32166	3RS ET	S
20-Sep-21	NWL	2	57.280	AUTUMN	32166	3RS ET	P
20-Sep-21	NWL	3	6.990	AUTUMN	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
20-Sep-21	NWL	2	9.500	AUTUMN	32166	3RS ET	S
20-Sep-21	NWL	3	1.630	AUTUMN	32166	3RS ET	S
23-Sep-21	AW	2	1.200	AUTUMN	32166	3RS ET	P
23-Sep-21	AW	3	3.820	AUTUMN	32166	3RS ET	P
23-Sep-21	WL	2	6.040	AUTUMN	32166	3RS ET	P
23-Sep-21	WL	3	7.319	AUTUMN	32166	3RS ET	P
23-Sep-21	WL	4	4.400	AUTUMN	32166	3RS ET	P
23-Sep-21	WL	2	5.350	AUTUMN	32166	3RS ET	S
23-Sep-21	WL	3	3.161	AUTUMN	32166	3RS ET	S
23-Sep-21	WL	4	2.090	AUTUMN	32166	3RS ET	S
6-Oct-21	AW	3	1.940	AUTUMN	32166	3RS ET	P
6-Oct-21	AW	4	3.010	AUTUMN	32166	3RS ET	P
6-Oct-21	WL	3	9.820	AUTUMN	32166	3RS ET	P
6-Oct-21	WL	4	7.360	AUTUMN	32166	3RS ET	P
6-Oct-21	WL	3	7.509	AUTUMN	32166	3RS ET	S
6-Oct-21	WL	4	2.190	AUTUMN	32166	3RS ET	S
7-Oct-21	NWL	3	39.660	AUTUMN	32166	3RS ET	P
7-Oct-21	NWL	4	24.540	AUTUMN	32166	3RS ET	P
7-Oct-21	NWL	3	6.400	AUTUMN	32166	3RS ET	S
7-Oct-21	NWL	4	4.900	AUTUMN	32166	3RS ET	S
11-Oct-21	NWL	3	52.100	AUTUMN	32166	3RS ET	P
11-Oct-21	NWL	4	12.000	AUTUMN	32166	3RS ET	P
11-Oct-21	NWL	3	8.300	AUTUMN	32166	3RS ET	S
11-Oct-21	NWL	4	3.000	AUTUMN	32166	3RS ET	S
15-Oct-21	DB	2	3.080	AUTUMN	32166	3RS ET	P
15-Oct-21	DB	3	4.990	AUTUMN	32166	3RS ET	P
15-Oct-21	DB	2	3.250	AUTUMN	32166	3RS ET	S
15-Oct-21	DB	3	0.980	AUTUMN	32166	3RS ET	S
15-Oct-21	NEL	2	32.840	AUTUMN	32166	3RS ET	P
15-Oct-21	NEL	3	3.730	AUTUMN	32166	3RS ET	P
15-Oct-21	NEL	2	8.100	AUTUMN	32166	3RS ET	S
15-Oct-21	NEL	3	1.930	AUTUMN	32166	3RS ET	S
18-Oct-21	NEL	2	26.460	AUTUMN	32166	3RS ET	P
18-Oct-21	NEL	3	10.780	AUTUMN	32166	3RS ET	P
18-Oct-21	NEL	2	6.840	AUTUMN	32166	3RS ET	S
18-Oct-21	NEL	3	3.220	AUTUMN	32166	3RS ET	S
18-Oct-21	DB	2	8.330	AUTUMN	32166	3RS ET	P
18-Oct-21	DB	3	1.330	AUTUMN	32166	3RS ET	P
18-Oct-21	DB	2	1.940	AUTUMN	32166	3RS ET	S
19-Oct-21	AW	2	1.870	AUTUMN	32166	3RS ET	P
19-Oct-21	AW	3	2.940	AUTUMN	32166	3RS ET	P
19-Oct-21	WL	2	12.638	AUTUMN	32166	3RS ET	P
19-Oct-21	WL	3	5.821	AUTUMN	32166	3RS ET	P
19-Oct-21	WL	2	5.544	AUTUMN	32166	3RS ET	S
19-Oct-21	WL	3	3.723	AUTUMN	32166	3RS ET	S
20-Oct-21	SWL	3	19.450	AUTUMN	32166	3RS ET	P
20-Oct-21	SWL	4	33.040	AUTUMN	32166	3RS ET	P
20-Oct-21	SWL	5	3.800	AUTUMN	32166	3RS ET	P
20-Oct-21	SWL	3	8.320	AUTUMN	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
20-Oct-21	SWL	4	4.890	AUTUMN	32166	3RS ET	S
20-Oct-21	SWL	5	0.900	AUTUMN	32166	3RS ET	S
27-Oct-21	SWL	2	13.470	AUTUMN	32166	3RS ET	P
27-Oct-21	SWL	3	39.770	AUTUMN	32166	3RS ET	P
27-Oct-21	SWL	2	5.020	AUTUMN	32166	3RS ET	S
27-Oct-21	SWL	3	12.150	AUTUMN	32166	3RS ET	S
2-Nov-21	DB	2	5.030	AUTUMN	32166	3RS ET	P
2-Nov-21	DB	3	2.850	AUTUMN	32166	3RS ET	P
2-Nov-21	DB	2	4.020	AUTUMN	32166	3RS ET	S
2-Nov-21	NEL	2	3.500	AUTUMN	32166	3RS ET	P
2-Nov-21	NEL	3	25.180	AUTUMN	32166	3RS ET	P
2-Nov-21	NEL	4	8.390	AUTUMN	32166	3RS ET	P
2-Nov-21	NEL	2	2.700	AUTUMN	32166	3RS ET	S
2-Nov-21	NEL	3	6.030	AUTUMN	32166	3RS ET	S
2-Nov-21	NEL	4	0.900	AUTUMN	32166	3RS ET	S
3-Nov-21	AW	2	2.830	AUTUMN	32166	3RS ET	P
3-Nov-21	AW	3	1.910	AUTUMN	32166	3RS ET	P
3-Nov-21	WL	2	13.015	AUTUMN	32166	3RS ET	P
3-Nov-21	WL	3	4.635	AUTUMN	32166	3RS ET	P
3-Nov-21	WL	4	2.430	AUTUMN	32166	3RS ET	P
3-Nov-21	WL	2	5.150	AUTUMN	32166	3RS ET	S
3-Nov-21	WL	3	3.530	AUTUMN	32166	3RS ET	S
3-Nov-21	WL	4	2.100	AUTUMN	32166	3RS ET	S
4-Nov-21	AW	2	4.780	AUTUMN	32166	3RS ET	P
4-Nov-21	WL	2	15.006	AUTUMN	32166	3RS ET	P
4-Nov-21	WL	4	4.543	AUTUMN	32166	3RS ET	P
4-Nov-21	WL	2	6.324	AUTUMN	32166	3RS ET	S
4-Nov-21	WL	4	2.097	AUTUMN	32166	3RS ET	S
5-Nov-21	SWL	3	48.320	AUTUMN	32166	3RS ET	P
5-Nov-21	SWL	4	6.250	AUTUMN	32166	3RS ET	P
5-Nov-21	SWL	3	15.130	AUTUMN	32166	3RS ET	S
5-Nov-21	SWL	4	1.000	AUTUMN	32166	3RS ET	S
8-Nov-21	DB	4	4.120	AUTUMN	32166	3RS ET	P
8-Nov-21	DB	5	4.000	AUTUMN	32166	3RS ET	P
8-Nov-21	DB	4	1.940	AUTUMN	32166	3RS ET	S
8-Nov-21	DB	5	1.840	AUTUMN	32166	3RS ET	S
8-Nov-21	NEL	3	15.680	AUTUMN	32166	3RS ET	P
8-Nov-21	NEL	4	21.020	AUTUMN	32166	3RS ET	P
8-Nov-21	NEL	3	5.800	AUTUMN	32166	3RS ET	S
8-Nov-21	NEL	4	4.300	AUTUMN	32166	3RS ET	S
10-Nov-21	NWL	3	47.000	AUTUMN	32166	3RS ET	P
10-Nov-21	NWL	4	16.600	AUTUMN	32166	3RS ET	P
10-Nov-21	NWL	3	11.200	AUTUMN	32166	3RS ET	S
10-Nov-21	NWL	4	1.200	AUTUMN	32166	3RS ET	S
11-Nov-21	SWL	2	45.610	AUTUMN	32166	3RS ET	P
11-Nov-21	SWL	3	8.300	AUTUMN	32166	3RS ET	P
11-Nov-21	SWL	2	15.490	AUTUMN	32166	3RS ET	S
11-Nov-21	SWL	3	0.500	AUTUMN	32166	3RS ET	S
12-Nov-21	NWL	3	53.300	AUTUMN	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
12-Nov-21	NWL	4	10.400	AUTUMN	32166	3RS ET	P
12-Nov-21	NWL	3	9.700	AUTUMN	32166	3RS ET	S
12-Nov-21	NWL	4	1.900	AUTUMN	32166	3RS ET	S
1-Dec-21	DB	3	7.500	WINTER	32166	3RS ET	P
1-Dec-21	DB	3	4.100	WINTER	32166	3RS ET	S
1-Dec-21	NEL	3	6.110	WINTER	32166	3RS ET	P
1-Dec-21	NEL	4	30.730	WINTER	32166	3RS ET	P
1-Dec-21	NEL	3	2.210	WINTER	32166	3RS ET	P
1-Dec-21	NEL	4	7.450	WINTER	32166	3RS ET	S
3-Dec-21	NWL	3	49.900	WINTER	32166	3RS ET	P
3-Dec-21	NWL	4	14.000	WINTER	32166	3RS ET	P
3-Dec-21	NWL	3	8.400	WINTER	32166	3RS ET	S
3-Dec-21	NWL	4	3.100	WINTER	32166	3RS ET	S
6-Dec-21	SWL	2	3.350	WINTER	32166	3RS ET	P
6-Dec-21	SWL	3	50.190	WINTER	32166	3RS ET	P
6-Dec-21	SWL	2	0.900	WINTER	32166	3RS ET	S
6-Dec-21	SWL	3	14.960	WINTER	32166	3RS ET	S
7-Dec-21	NWL	2	7.900	WINTER	32166	3RS ET	P
7-Dec-21	NWL	3	53.100	WINTER	32166	3RS ET	P
7-Dec-21	NWL	4	2.000	WINTER	32166	3RS ET	S
7-Dec-21	NWL	3	12.300	WINTER	32166	3RS ET	P
13-Dec-21	NEL	2	1.290	WINTER	32166	3RS ET	P
13-Dec-21	NEL	3	29.980	WINTER	32166	3RS ET	P
13-Dec-21	NEL	4	5.880	WINTER	32166	3RS ET	P
13-Dec-21	NEL	2	0.440	WINTER	32166	3RS ET	S
13-Dec-21	NEL	3	8.270	WINTER	32166	3RS ET	S
13-Dec-21	NEL	4	1.040	WINTER	32166	3RS ET	S
13-Dec-21	DB	2	7.490	WINTER	32166	3RS ET	P
13-Dec-21	DB	2	4.010	WINTER	32166	3RS ET	S
15-Dec-21	AW	2	4.940	WINTER	32166	3RS ET	P
15-Dec-21	WL	2	19.188	WINTER	32166	3RS ET	P
15-Dec-21	WL	2	10.482	WINTER	32166	3RS ET	S
16-Dec-21	SWL	2	28.760	WINTER	32166	3RS ET	P
16-Dec-21	SWL	3	26.150	WINTER	32166	3RS ET	P
16-Dec-21	SWL	2	6.185	WINTER	32166	3RS ET	S
16-Dec-21	SWL	3	8.280	WINTER	32166	3RS ET	S
17-Dec-21	AW	3	4.970	WINTER	32166	3RS ET	P
17-Dec-21	WL	3	11.890	WINTER	32166	3RS ET	P
17-Dec-21	WL	4	8.700	WINTER	32166	3RS ET	P
17-Dec-21	WL	3	6.710	WINTER	32166	3RS ET	S
17-Dec-21	WL	4	4.000	WINTER	32166	3RS ET	S

CWD Small Vessel Line-transect Survey

Sighting Data

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
15-Jan-21	1	1154	FP	2	SWL	3	19	ON	3RS ET	22.1678	113.9182	WINTER	NONE	P
15-Jan-21	2	1335	CWD	3	SWL	3	789	ON	3RS ET	22.183	113.8875	WINTER	NONE	P
15-Jan-21	3	1443	CWD	1	SWL	2	652	ON	3RS ET	22.1758	113.8685	WINTER	NONE	P
18-Jan-21	1	1116	CWD	3	WL	3	336	ON	3RS ET	22.2421	113.8321	WINTER	NONE	P
18-Jan-21	2	1246	CWD	6	WL	3	45	ON	3RS ET	22.1871	113.8342	WINTER	NONE	P
19-Jan-21	1	0948	CWD	9	NWL	3	1196	ON	3RS ET	22.3799	113.8698	WINTER	NONE	P
19-Jan-21	2	1217	CWD	2	NWL	3	278	ON	3RS ET	22.3974	113.8879	WINTER	NONE	P
19-Jan-21	3	1325	CWD	2	NWL	2	57	ON	3RS ET	22.3703	113.8964	WINTER	NONE	P
19-Jan-21	4	1412	CWD	3	NWL	2	299	ON	3RS ET	22.3549	113.9074	WINTER	NONE	P
20-Jan-21	1	1031	CWD	12	NWL	2	212	ON	3RS ET	22.2743	113.8703	WINTER	NONE	P
20-Jan-21	2	1149	CWD	7	NWL	3	88	ON	3RS ET	22.3515	113.8779	WINTER	NONE	P
26-Jan-21	1	1216	FP	5	SWL	2	17	ON	3RS ET	22.1549	113.9073	WINTER	NONE	S
26-Jan-21	2	1251	CWD	1	SWL	2	38	ON	3RS ET	22.2080	113.9047	WINTER	GILLNETTER	S
26-Jan-21	3	1327	FP	3	SWL	2	346	ON	3RS ET	22.1617	113.8975	WINTER	NONE	P
26-Jan-21	4	1330	FP	2	SWL	2	59	ON	3RS ET	22.1577	113.8978	WINTER	NONE	P
26-Jan-21	5	1339	FP	1	SWL	2	22	ON	3RS ET	22.1496	113.8918	WINTER	NONE	S
26-Jan-21	6	1348	FP	1	SWL	2	34	ON	3RS ET	22.1644	113.8884	WINTER	NONE	P
26-Jan-21	7	1512	CWD	1	SWL	2	396	ON	3RS ET	22.1828	113.8596	WINTER	NONE	P
26-Jan-21	8	1531	CWD	4	SWL	2	725	ON	3RS ET	22.1711	113.8537	WINTER	NONE	S
27-Jan-21	1	1009	CWD	5	WL	2	127	ON	3RS ET	22.2861	113.8613	WINTER	NONE	P
27-Jan-21	2	1029	CWD	3	WL	2	470	ON	3RS ET	22.2737	113.8491	WINTER	NONE	S
27-Jan-21	3	1038	CWD	5	WL	2	79	ON	3RS ET	22.2694	113.8502	WINTER	NONE	P
27-Jan-21	4	1208	CWD	1	WL	2	258	ON	3RS ET	22.1962	113.8300	WINTER	NONE	P
27-Jan-21	5	1221	CWD	7	WL	2	45	ON	3RS ET	22.1960	113.8340	WINTER	NONE	P
5-Feb-21	1	1025	CWD	2	WL	2	374	ON	3RS ET	22.2726	113.8471	WINTER	NONE	S
5-Feb-21	2	1031	CWD	4	WL	2	22	ON	3RS ET	22.2692	113.8477	WINTER	GILLNETTER	P
5-Feb-21	3	1056	CWD	2	WL	2	817	ON	3RS ET	22.2612	113.8506	WINTER	NONE	P
5-Feb-21	4	1102	CWD	6	WL	2	424	ON	3RS ET	22.2602	113.8404	WINTER	NONE	P
5-Feb-21	5	1134	CWD	5	WL	2	698	ON	3RS ET	22.2413	113.8449	WINTER	NONE	P
5-Feb-21	6	1201	CWD	1	WL	2	130	ON	3RS ET	22.2232	113.8366	WINTER	NONE	P
5-Feb-21	7	1245	CWD	1	WL	3	231	ON	3RS ET	22.1967	113.8335	WINTER	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
8-Feb-21	1	1003	CWD	12	NWL	3	513	ON	3RS ET	22.4049	113.8702	WINTER	NONE	P
8-Feb-21	2	1102	CWD	1	NWL	3	779	ON	3RS ET	22.3266	113.8699	WINTER	NONE	P
8-Feb-21	3	1133	CWD	10	NWL	2	893	ON	3RS ET	22.2732	113.8703	WINTER	NONE	P
8-Feb-21	4	1254	CWD	1	NWL	3	18	ON	3RS ET	22.3571	113.8781	WINTER	NONE	P
16-Feb-21	1	1001	CWD	3	WL	3	698	ON	3RS ET	22.2962	113.8613	WINTER	NONE	P
16-Feb-21	2	1038	CWD	3	WL	3	175	ON	3RS ET	22.2669	113.8596	WINTER	NONE	S
16-Feb-21	3	1058	CWD	9	WL	3	510	ON	3RS ET	22.2606	113.8443	WINTER	GILLNETTER	P
16-Feb-21	4	1135	CWD	2	WL	3	275	ON	3RS ET	22.2500	113.8467	WINTER	NONE	P
16-Feb-21	5	1219	CWD	1	WL	2	35	ON	3RS ET	22.2203	113.8203	WINTER	NONE	S
17-Feb-21	1	1130	CWD	2	NWL	3	6	ON	3RS ET	22.3859	113.8775	WINTER	NONE	P
22-Feb-21	1	1043	FP	8	SWL	1	288	ON	3RS ET	22.1749	113.9366	WINTER	NONE	P
22-Feb-21	2	1051	FP	3	SWL	1	72	ON	3RS ET	22.1625	113.9363	WINTER	NONE	P
22-Feb-21	3	1058	FP	1	SWL	1	9	ON	3RS ET	22.1494	113.9355	WINTER	NONE	S
22-Feb-21	4	1101	FP	8	SWL	1	89	ON	3RS ET	22.1471	113.9322	WINTER	NONE	S
22-Feb-21	5	1108	FP	1	SWL	1	55	ON	3RS ET	22.1477	113.9275	WINTER	NONE	P
22-Feb-21	6	1115	FP	1	SWL	1	16	ON	3RS ET	22.1572	113.9274	WINTER	NONE	P
22-Feb-21	7	1308	FP	5	SWL	2	599	ON	3RS ET	22.1761	113.8972	WINTER	NONE	P
22-Feb-21	8	1314	FP	2	SWL	2	67	ON	3RS ET	22.1663	113.8972	WINTER	NONE	P
22-Feb-21	9	1320	FP	6	SWL	2	113	ON	3RS ET	22.1568	113.8974	WINTER	NONE	P
22-Feb-21	10	1330	FP	2	SWL	2	1	ON	3RS ET	22.1518	113.8876	WINTER	NONE	P
22-Feb-21	11	1339	FP	3	SWL	2	161	ON	3RS ET	22.1696	113.8878	WINTER	NONE	P
22-Feb-21	12	1405	FP	1	SWL	2	471	ON	3RS ET	22.2064	113.8785	WINTER	NONE	S
22-Feb-21	13	1410	FP	4	SWL	2	64	ON	3RS ET	22.1979	113.8982	WINTER	NONE	P
22-Feb-21	14	1442	FP	5	SWL	2	513	ON	3RS ET	22.1793	113.8686	WINTER	NONE	P
22-Feb-21	15	1446	FP	3	SWL	2	199	ON	3RS ET	22.1848	113.8687	WINTER	NONE	P
22-Feb-21	16	1449	FP	5	SWL	2	672	ON	3RS ET	22.1891	113.8684	WINTER	NONE	P
22-Feb-21	17	1456	FP	1	SWL	2	61	ON	3RS ET	22.1966	113.8685	WINTER	NONE	P
22-Feb-21	18	1508	FP	3	SWL	2	360	ON	3RS ET	22.1849	113.8590	WINTER	NONE	P
23-Feb-21	1	1042	FP	2	SWL	2	310	ON	3RS ET	22.1774	113.9358	WINTER	NONE	P
23-Feb-21	2	1304	FP	3	SWL	2	62	ON	3RS ET	22.1668	113.89727	WINTER	NONE	P
23-Feb-21	3	1310	FP	7	SWL	2	285	ON	3RS ET	22.1643	113.8972	WINTER	NONE	P
23-Feb-21	4	1314	FP	3	SWL	2	18	ON	3RS ET	22.1587	113.8975	WINTER	NONE	P
23-Feb-21	5	1430	FP	3	SWL	2	63	ON	3RS ET	22.1743	113.8688	WINTER	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
8-Mar-21	1	0939	CWD	1	NWL	3	150	ON	3RS ET	22.4023	113.8702	SPRING	NONE	P
9-Mar-21	1	1145	CWD	4	WL	3	41	ON	3RS ET	22.2052	113.8337	SPRING	NONE	P
12-Mar-21	1	1051	FP	8	SWL	1	49	ON	3RS ET	22.1885	113.9365	SPRING	NONE	P
12-Mar-21	2	1105	FP	3	SWL	2	25	ON	3RS ET	22.1730	113.9361	SPRING	NONE	P
12-Mar-21	3	1114	FP	2	SWL	2	41	ON	3RS ET	22.1572	113.9366	SPRING	NONE	P
12-Mar-21	4	1145	FP	2	SWL	2	17	ON	3RS ET	22.1934	113.9270	SPRING	NONE	P
15-Mar-21	1	1010	CWD	1	WL	3	71	ON	3RS ET	22.2908	113.8613	SPRING	NONE	P
15-Mar-21	2	1146	CWD	7	WL	2	434	ON	3RS ET	22.2074	113.8395	SPRING	NONE	S
15-Mar-21	3	1217	CWD	1	WL	2	404	ON	3RS ET	22.2054	113.8230	SPRING	NONE	P
16-Mar-21	1	1039	CWD	1	NWL	2	915	ON	3RS ET	22.2800	113.8784	SPRING	NONE	P
16-Mar-21	2	1105	CWD	2	NWL	2	223	ON	3RS ET	22.3070	113.8753	SPRING	NONE	S
17-Mar-21	1	1038	FP	3	SWL	2	200	ON	3RS ET	22.2012	113.9359	SPRING	NONE	P
17-Mar-21	2	1046	FP	7	SWL	2	315	ON	3RS ET	22.1876	113.9360	SPRING	NONE	P
17-Mar-21	3	1054	FP	8	SWL	2	9	ON	3RS ET	22.1763	113.9359	SPRING	NONE	P
17-Mar-21	4	1107	FP	2	SWL	2	2	ON	3RS ET	22.1491	113.9344	SPRING	NONE	S
17-Mar-21	5	1216	FP	2	SWL	2	58	ON	3RS ET	22.1411	113.9089	SPRING	NONE	S
17-Mar-21	6	1223	FP	4	SWL	2	211	ON	3RS ET	22.1526	113.9079	SPRING	NONE	P
17-Mar-21	7	1228	FP	2	SWL	2	13	ON	3RS ET	22.1556	113.9019	SPRING	NONE	S
17-Mar-21	8	1319	FP	4	SWL	2	184	ON	3RS ET	22.1728	113.8968	SPRING	NONE	P
17-Mar-21	9	1327	FP	3	SWL	2	72	ON	3RS ET	22.1582	113.8974	SPRING	NONE	P
17-Mar-21	10	1340	FP	2	SWL	2	186	ON	3RS ET	22.1579	113.8881	SPRING	NONE	P
17-Mar-21	11	1420	FP	3	SWL	3	67	ON	3RS ET	22.1856	113.8779	SPRING	NONE	P
17-Mar-21	12	1431	FP	1	SWL	2	122	ON	3RS ET	22.1630	113.8785	SPRING	NONE	P
17-Mar-21	13	1451	FP	1	SWL	2	11	ON	3RS ET	22.1891	113.8686	SPRING	NONE	P
17-Mar-21	14	1524	CWD	1	SWL	2	86	ON	3RS ET	22.1843	113.8486	SPRING	NONE	P
12-Apr-21	1	1047	CWD	2	WL	2	271	ON	3RS ET	22.2501	113.8423	SPRING	NONE	P
12-Apr-21	2	1130	CWD	4	WL	2	335	ON	3RS ET	22.2322	113.8306	SPRING	NONE	P
12-Apr-21	3	1140	CWD	2	WL	2	52	ON	3RS ET	22.2237	113.8375	SPRING	NONE	S
12-Apr-21	4	1206	CWD	7	WL	2	438	ON	3RS ET	22.2143	113.8293	SPRING	NONE	P
13-Apr-21	1	1050	FP	3	SWL	2	222	ON	3RS ET	22.1852	113.9374	SPRING	NONE	P
13-Apr-21	2	1055	FP	4	SWL	2	150	ON	3RS ET	22.1759	113.9373	SPRING	NONE	P
13-Apr-21	3	1100	FP	3	SWL	2	14	ON	3RS ET	22.1700	113.9372	SPRING	NONE	P
13-Apr-21	4	1214	FP	1	SWL	2	419	ON	3RS ET	22.1414	113.9163	SPRING	NONE	S

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
13-Apr-21	5	1349	FP	3	SWL	2	413	ON	3RS ET	22.1900	113.8887	SPRING	NONE	P
13-Apr-21	6	1450	CWD	3	SWL	3	125	ON	3RS ET	22.1923	113.8691	SPRING	PURSE SEINER	P
13-Apr-21	7	1536	CWD	3	SWL	3	322	ON	3RS ET	22.1893	113.8491	SPRING	PURSE SEINER	P
20-Apr-21	1	1204	CWD	2	WL	3	155	ON	3RS ET	22.1910	113.8417	SPRING	PURSE SEINER	S
21-Apr-21	1	1152	FP	4	SWL	5	132	ON	3RS ET	22.1602	113.9181	SPRING	NONE	P
11-May-21	1	1043	CWD	2	WL	3	74	ON	3RS ET	22.2643	113.8571	SPRING	NONE	S
21-May-21	1	0957	CWD	1	DB	3	172	ON	3RS ET	22.4219	113.8856	SPRING	NONE	P
25-May-21	1	1105	FP	2	SWL	2	16	ON	3RS ET	22.1593	113.9280	SPRING	NONE	P
25-May-21	2	1109	FP	2	SWL	2	17	ON	3RS ET	22.1634	113.9279	SPRING	NONE	P
25-May-21	3	1252	CWD	1	SWL	2	256	ON	3RS ET	22.2042	113.8973	SPRING	NONE	P
25-May-21	4	1438	CWD	6	SWL	3	1	ON	3RS ET	22.1713	113.8681	SPRING	NONE	P
25-May-21	5	1521	CWD	1	SWL	2	129	ON	3RS ET	22.2000	113.8684	SPRING	NONE	P
25-May-21	6	1540	CWD	3	SWL	2	71	ON	3RS ET	22.1914	113.8587	SPRING	NONE	P
25-May-21	7	1610	CWD	3	SWL	2	1	ON	3RS ET	22.1813	113.8594	SPRING	NONE	P
25-May-21	8	1634	CWD	1	SWL	3	461	ON	3RS ET	22.1832	113.8495	SPRING	NONE	P
26-May-21	1	1357	CWD	2	SWL	3	199	ON	3RS ET	22.1911	113.8790	SPRING	NONE	P
26-May-21	2	1437	CWD	3	SWL	3	137	ON	3RS ET	22.1684	113.8685	SPRING	NONE	P
26-May-21	3	1504	CWD	6	SWL	2	631	ON	3RS ET	22.1958	113.8699	SPRING	NONE	P
28-May-21	1	1030	CWD	1	WL	3	651	ON	3RS ET	22.2693	113.8574	SPRING	NONE	P
28-May-21	2	1144	CWD	2	WL	4	240	ON	3RS ET	22.2142	113.8292	SPRING	NONE	P
8-Jun-21	1	1046	CWD	5	WL	2	216	ON	3RS ET	22.2501	113.8418	SUMMER	NONE	P
8-Jun-21	2	1109	CWD	4	WL	2	770	ON	3RS ET	22.2412	113.8427	SUMMER	NONE	P
8-Jun-21	3	1151	CWD	3	WL	3	38	ON	3RS ET	22.2242	113.8198	SUMMER	NONE	S
8-Jun-21	4	1246	CWD	1	WL	3	23	ON	3RS ET	22.1955	113.8333	SUMMER	NONE	P
15-Jun-21	1	1044	CWD	4	WL	3	198	ON	3RS ET	22.2611	113.8514	SUMMER	NONE	P
25-Jun-21	1	1119	CWD	1	SWL	2	45	ON	3RS ET	22.1829	113.9277	SUMMER	NONE	P
25-Jun-21	2	1413	CWD	1	SWL	2	1006	ON	3RS ET	22.1976	113.8787	SUMMER	NONE	P
25-Jun-21	3	1429	CWD	5	SWL	3	202	ON	3RS ET	22.1832	113.8785	SUMMER	NONE	P
25-Jun-21	4	1523	CWD	2	SWL	3	816	ON	3RS ET	22.1938	113.8591	SUMMER	NONE	P
12-Jul-21	1	1225	CWD	1	SWL	3	70	ON	3RS ET	22.1605	113.8981	SUMMER	NONE	S
12-Jul-21	2	1314	CWD	1	SWL	3	1	ON	3RS ET	22.1962	113.8975	SUMMER	NONE	P
12-Jul-21	3	1426	CWD	2	SWL	2	531	ON	3RS ET	22.1933	113.8785	SUMMER	NONE	P
12-Jul-21	4	1507	CWD	5	SWL	3	41	ON	3RS ET	22.1860	113.8690	SUMMER	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
12-Jul-21	5	1540	CWD	3	SWL	2	63	ON	3RS ET	22.1944	113.8590	SUMMER	NONE	P
12-Jul-21	6	1610	CWD	4	SWL	3	573	ON	3RS ET	22.1894	113.8497	SUMMER	NONE	P
13-Jul-21	1	1357	CWD	3	SWL	2	379	ON	3RS ET	22.2073	113.8789	SUMMER	PURSE SEINER	S
13-Jul-21	2	1413	CWD	2	SWL	2	15	ON	3RS ET	22.2061	113.8780	SUMMER	NONE	P
13-Jul-21	3	1538	CWD	7	SWL	3	14	ON	3RS ET	22.1906	113.8495	SUMMER	PURSE SEINER	P
14-Jul-21	1	1036	CWD	1	WL	2	127	ON	3RS ET	22.2621	113.8558	SUMMER	NONE	S
14-Jul-21	2	1044	CWD	2	WL	1	343	ON	3RS ET	22.2616	113.8506	SUMMER	NONE	P
14-Jul-21	3	1055	CWD	5	WL	2	44	ON	3RS ET	22.2608	113.8475	SUMMER	NONE	P
14-Jul-21	4	1109	CWD	3	WL	2	779	ON	3RS ET	22.2546	113.8355	SUMMER	NONE	S
14-Jul-21	5	1147	CWD	4	WL	3	325	ON	3RS ET	22.2399	113.8277	SUMMER	NONE	S
14-Jul-21	6	1214	CWD	2	WL	3	17	ON	3RS ET	22.2300	113.8381	SUMMER	NONE	S
14-Jul-21	7	1240	CWD	3	WL	3	466	ON	3RS ET	22.2143	113.8223	SUMMER	NONE	P
22-Jul-21	1	1037	CWD	8	WL	2	453	ON	3RS ET	22.2644	113.8574	SUMMER	PURSE SEINER	S
22-Jul-21	2	1117	CWD	7	WL	3	411	ON	3RS ET	22.2499	113.8377	SUMMER	NONE	P
22-Jul-21	3	1147	CWD	2	WL	2	358	ON	3RS ET	22.2419	113.8391	SUMMER	NONE	P
22-Jul-21	4	1202	CWD	3	WL	3	32	ON	3RS ET	22.2326	113.8240	SUMMER	NONE	S
22-Jul-21	5	1211	CWD	2	WL	3	221	ON	3RS ET	22.2316	113.8299	SUMMER	NONE	P
22-Jul-21	6	1234	CWD	6	WL	3	22	ON	3RS ET	22.2141	113.8254	SUMMER	NONE	P
22-Jul-21	7	1314	CWD	3	WL	4	20	ON	3RS ET	22.2010	113.8252	SUMMER	NONE	S
22-Jul-21	8	1323	CWD	1	WL	3	170	ON	3RS ET	22.1963	113.8363	SUMMER	NONE	P
22-Jul-21	9	1336	CWD	4	WL	2	115	ON	3RS ET	22.1930	113.8426	SUMMER	PURSE SEINER	S
26-Jul-21	1	1204	CWD	1	NWL	2	567	ON	3RS ET	22.3826	113.8878	SUMMER	NONE	P
26-Jul-21	2	1309	CWD	4	NWL	2	490	ON	3RS ET	22.3885	113.8978	SUMMER	NONE	P
28-Jul-21	1	1035	CWD	1	NWL	2	32	ON	3RS ET	22.2820	113.8694	SUMMER	NONE	P
28-Jul-21	2	1105	CWD	2	NWL	2	302	ON	3RS ET	22.2920	113.8774	SUMMER	NONE	P
28-Jul-21	3	1305	CWD	1	NWL	2	63	ON	3RS ET	22.3522	113.8980	SUMMER	NONE	P
11-Aug-21	1	0948	CWD	3	NWL	3	29	ON	3RS ET	22.3932	113.8701	SUMMER	NONE	P
11-Aug-21	2	1226	CWD	4	NWL	2	415	ON	3RS ET	22.3805	113.8875	SUMMER	NONE	P
11-Aug-21	3	1328	CWD	1	NWL	2	27	ON	3RS ET	22.3812	113.8975	SUMMER	NONE	P
16-Aug-21	1	1109	FP	1	SWL	2	145	ON	3RS ET	22.1610	113.9274	SUMMER	NONE	P
18-Aug-21	1	1110	CWD	1	WL	3	75	ON	3RS ET	22.2416	113.8409	SUMMER	NONE	P
18-Aug-21	2	1221	CWD	6	WL	3	177	ON	3RS ET	22.1961	113.8406	SUMMER	PURSE SEINER	P
20-Aug-21	1	1048	FP	1	SWL	1	22	ON	3RS ET	22.1540	113.9361	SUMMER	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
20-Aug-21	2	1102	FP	1	SWL	2	352	ON	3RS ET	22.1587	113.9276	SUMMER	NONE	P
24-Aug-21	1	1148	CWD	4	WL	2	598	ON	3RS ET	22.2058	113.8327	SUMMER	NONE	P
8-Sep-21	1	1312	FP	4	SWL	2	119	ON	3RS ET	22.1520	113.8973	AUTUMN	NONE	P
8-Sep-21	2	1350	CWD	1	SWL	2	141	ON	3RS ET	22.2059	113.8879	AUTUMN	NONE	P
8-Sep-21	3	1436	CWD	1	SWL	3	133	ON	3RS ET	22.1733	113.8687	AUTUMN	NONE	P
8-Sep-21	4	1502	CWD	3	SWL	2	95	ON	3RS ET	22.1946	113.8587	AUTUMN	NONE	P
8-Sep-21	5	1537	CWD	6	SWL	3	729	ON	3RS ET	22.1754	113.8499	AUTUMN	NONE	P
14-Sep-21	1	1037	FP	3	SWL	2	157	ON	3RS ET	22.1819	113.9359	AUTUMN	NONE	P
14-Sep-21	2	1048	FP	1	SWL	2	170	ON	3RS ET	22.1602	113.9368	AUTUMN	NONE	P
14-Sep-21	3	1050	FP	4	SWL	2	35	ON	3RS ET	22.1577	113.9368	AUTUMN	NONE	P
14-Sep-21	4	1108	FP	2	SWL	2	179	ON	3RS ET	22.1582	113.9277	AUTUMN	NONE	P
14-Sep-21	5	1114	FP	5	SWL	2	234	ON	3RS ET	22.1666	113.9280	AUTUMN	NONE	P
14-Sep-21	6	1123	FP	2	SWL	2	63	ON	3RS ET	22.1830	113.9276	AUTUMN	NONE	P
16-Sep-21	1	1044	CWD	1	WL	3	154	ON	3RS ET	22.2606	113.8501	AUTUMN	NONE	P
16-Sep-21	2	1123	CWD	3	WL	3	170	ON	3RS ET	22.2410	113.8409	AUTUMN	NONE	P
16-Sep-21	3	1151	CWD	9	WL	2	67	ON	3RS ET	22.2255	113.8318	AUTUMN	NONE	P
16-Sep-21	4	1221	CWD	2	WL	2	215	ON	3RS ET	22.2051	113.8324	AUTUMN	NONE	P
16-Sep-21	5	1236	CWD	3	WL	2	141	ON	3RS ET	22.2012	113.8245	AUTUMN	NONE	S
16-Sep-21	6	1250	CWD	10	WL	2	208	ON	3RS ET	22.1961	113.8416	AUTUMN	NONE	P
16-Sep-21	7	1308	CWD	1	WL	2	31	ON	3RS ET	22.1926	113.8425	AUTUMN	NONE	S
20-Sep-21	1	1201	CWD	3	NWL	2	7	ON	3RS ET	22.3859	113.8781	AUTUMN	NONE	P
23-Sep-21	1	1046	CWD	1	WL	2	71	ON	3RS ET	22.2608	113.8454	AUTUMN	NONE	P
23-Sep-21	2	1110	CWD	2	WL	2	1497	ON	3RS ET	22.2444	113.8491	AUTUMN	NONE	S
23-Sep-21	3	1203	CWD	6	WL	3	22	ON	3RS ET	22.2139	113.8312	AUTUMN	NONE	P
6-Oct-21	1	1049	CWD	1	WL	3	47	ON	3RS ET	22.2604	113.8535	AUTUMN	NONE	S
6-Oct-21	2	1107	CWD	3	WL	3	32	ON	3RS ET	22.2607	113.8427	AUTUMN	NONE	P
6-Oct-21	3	1137	CWD	1	WL	3	94	ON	3RS ET	22.2413	113.8391	AUTUMN	NONE	P
6-Oct-21	4	1153	CWD	13	WL	3	162	ON	3RS ET	22.2318	113.8280	AUTUMN	NONE	P
6-Oct-21	5	1220	CWD	1	WL	3	15	ON	3RS ET	22.2317	113.8341	AUTUMN	NONE	P
6-Oct-21	6	1246	CWD	8	WL	3	100	ON	3RS ET	22.2140	113.8308	AUTUMN	NONE	P
19-Oct-21	1	1023	CWD	4	WL	2	192	ON	3RS ET	22.2706	113.8447	AUTUMN	NONE	P
19-Oct-21	2	1037	CWD	2	WL	2	201	ON	3RS ET	22.2689	113.8501	AUTUMN	NONE	P
19-Oct-21	3	1054	CWD	1	WL	2	355	ON	3RS ET	22.2651	113.8587	AUTUMN	NONE	S

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
19-Oct-21	4	1134	CWD	3	WL	3	93	ON	3RS ET	22.2342	113.8244	AUTUMN	NONE	S
19-Oct-21	5	1159	CWD	1	WL	2	282	ON	3RS ET	22.2242	113.8232	AUTUMN	NONE	P
19-Oct-21	6	1204	CWD	1	WL	3	54	ON	3RS ET	22.2225	113.8214	AUTUMN	SHRIMP TRAWLER	P
27-Oct-21	1	1100	FP	4	SWL	3	47	ON	3RS ET	22.1431	113.9276	AUTUMN	NONE	S
27-Oct-21	2	1111	FP	3	SWL	3	398	ON	3RS ET	22.1629	113.9275	AUTUMN	NONE	P
27-Oct-21	3	1240	CWD	1	SWL	2	218	ON	3RS ET	22.2046	113.9073	AUTUMN	NONE	P
3-Nov-21	1	1102	CWD	1	WL	2	63	ON	3RS ET	22.2610	113.8531	AUTUMN	NONE	S
3-Nov-21	2	1140	CWD	2	WL	2	229	ON	3RS ET	22.2414	113.8311	AUTUMN	NONE	P
3-Nov-21	3	1248	CWD	1	WL	4	75	ON	3RS ET	22.1869	113.8395	AUTUMN	NONE	P
4-Nov-21	1	1038	CWD	3	WL	2	87	ON	3RS ET	22.2664	113.8593	AUTUMN	NONE	S
4-Nov-21	2	1101	CWD	7	WL	2	296	ON	3RS ET	22.2603	113.8428	AUTUMN	NONE	P
4-Nov-21	3	1154	CWD	6	WL	2	286	ON	3RS ET	22.2244	113.8372	AUTUMN	NONE	S
4-Nov-21	4	1224	CWD	1	WL	2	171	ON	3RS ET	22.2240	113.8236	AUTUMN	NONE	P
4-Nov-21	5	1242	CWD	5	WL	2	32	ON	3RS ET	22.2142	113.8315	AUTUMN	NONE	P
5-Nov-21	1	1306	FP	2	SWL	3	95	ON	3RS ET	22.1643	113.8970	AUTUMN	NONE	P
11-Nov-21	1	1456	CWD	7	SWL	3	375	ON	3RS ET	22.1853	113.8486	AUTUMN	NONE	P
6-Dec-21	1	1119	FP	1	SWL	3	11	ON	3RS ET	22.1765	113.9280	WINTER	NONE	P
6-Dec-21	2	1504	CWD	3	SWL	3	22	ON	3RS ET	22.1878	113.8497	WINTER	NONE	P
7-Dec-21	1	0945	CWD	1	NWL	2	N/A	OFF	3RS ET	22.3983	113.8873	WINTER	NONE	N/A
15-Dec-21	1	1043	CWD	4	WL	2	471	ON	3RS ET	22.2500	113.8357	WINTER	NONE	P
15-Dec-21	2	1112	CWD	1	WL	2	113	ON	3RS ET	22.2415	113.8315	WINTER	NONE	P
16-Dec-21	1	1333	CWD	5	SWL	2	134	ON	3RS ET	22.1885	113.8880	WINTER	NONE	P
16-Dec-21	2	1448	CWD	1	SWL	2	16	ON	3RS ET	22.1989	113.8685	WINTER	NONE	P
16-Dec-21	3	1507	CWD	3	SWL	2	63	ON	3RS ET	22.1998	113.8622	WINTER	GILLNETTER	S

Abbreviations: STG# = Sighting Number; GP SZ = Dolphin Group Size; BEAU = Beaufort Sea State; PSD = Perpendicular Distance (in metres); N/A = Not Applicable;
DEC LAT = Latitude (WGS84 in Decimal), DEC LON = Longitude (WGS84 in Decimal); BOAT ASSOC. = Fishing Boat Association

CWD Small Vessel Line-transect Survey

Photo Identification – Residency Pattern of Selected Dolphin Individuals

ID	Residency	2015	2016	2017	2018				2019				2020				2021				#STG
					SP	SU	AU	WI	SP	SU	AU	WI	SP	SU	AU	WI	SP	SU	AU	WI	
NLMM002	SR		8	2	1		1	2				1									15
NLMM004	SR		4	7	3		2	2	1		4	1				2					26
NLMM006	SR		10	1	1	2	2		2		1	1									20
NLMM009	SR		3	6	2		1	2		1		1		2				4		3	25
NLMM013	SR		10	2	3	2	2		2		2	1		1				3	1		29
NLMM015	SR		1	3		2	2	1			2			2	1			7			21
NLMM016	SR		1	5		1		1	3		1	2								1	15
NLMM019	SR		4	7		1	1			1	3	2		1							20
NLMM020	SR		2	7	1		1				2	2		1				1		1	18
NLMM023	SR		2	5	1	1	2	2			1				2			1		3	20
NLMM063	SR				2	3	3	1	1	2	1	2		3				2		1	21
SLMM002	SR	1	6	1		2		1	2		1	2	4		1						21
SLMM003	YR	1	3	1	2	3	2	2	1	2	4	1	3	2	4	7	2	3	4	1	48
SLMM007	SR	1	4	3		1	2	1		1	2	2	2	2	2	3	1		3	2	32
SLMM010	YR	1	9	5		3		3		1	1	3	1	2	5	1	2	4	2	1	44
SLMM011	SV		7	6						1	1	1	2								18
SLMM012	SR	1	3	2		2		2		2	2	3	2	1	3	3		3	1	4	34
SLMM014	YR		8	11	3		2	2	1	1	1	1	4	4	1	3	2	2	3	6	55
SLMM022	SR		7	3				2	1	1	3				1	2			1	1	22
SLMM023	SR		2	7	1	1			1				3		3	2		1	1	1	23
SLMM025	SR		1	1	1					2	1		1	4	2				1	2	16
SLMM027	SR		1	3	3	1	1				1			1		1		1	1	1	15
SLMM028	SR		5	5	1	1	1	3		2	2		2	2							24
SLMM030	SR		4	6				3	2				2				1		1	1	20
SLMM031	SR		4	5	1	1				1	1		4		1	2	1		1	3	25
SLMM034	SR		3	2	3		1		3				5				1	1			19
SLMM037	YR		3	4			1	1		3	2		2	1	3	6	4	4	3	4	41

ID	Residency	2015	2016	2017	2018				2019				2020				2021				#STG
					SP	SU	AU	WI	SP	SU	AU	WI	SP	SU	AU	WI	SP	SU	AU	WI	
SLMM049	YR		2	3	2			1	1	3	3		1	4	2	1	1	1	1	1	27
SLMM052	YR	1	1	7	1	2	1	1	1	4	2	1	3	2	2	2	1		1	1	34
WLMM001	SR	1	1	8	3	1	2	5	1		2	2	1	2		4		2	1	5	41
WLMM004	SR	1		3	1	2		2	1	1	2			1		1	2		1		18
WLMM006	SR	1	1	4	1	3		2	1	1	1		2			1				2	20
WLMM007	SR	1	4	6	2		1	1	2		2	2	3	1	4	1	2		3		35
WLMM008	SR	1	1	6		1				1	1	1		2	1					1	16
WLMM009	SR	1	1	4	1	2		2	1				1	2		1		1			17
WLMM027	SR		9	6	2	3		2	1	2	1	1	2				1				30
WLMM028	SR		4	2	1	1		4				1	2	1	1	3	1	2		2	25
WLMM029	SR		3	2	1	2		3		1	2	1	2	1		1	1	1		2	23
WLMM030	SR		4	3	1				1	1				3				1		1	15
WLMM043	SR		3	6	3	1	1	1	4	3	1			3				4	3	2	35
WLMM054	SR		3	4	1	5			2		4	1								1	21
WLMM056	SR		1	3	2		2		1	2	2	2	1		2	2			1	3	24
WLMM060	SR		1	4	1	2	3	1	1		1		1	1	2						18
WLMM063	SR		1	3		3	1	1	2	1	1			1		1	2	1	1		19
WLMM065	SR			5	1	2	2	1		1	2	1			1	1	1	1	1	1	21
WLMM071	SR			6	1	3	3	2	1		2			1	2	1			2	4	28
WLMM073	SR			2	2			1		1	1		2	2	3			1	2		17
WLMM078	SR			3	2	2		2	1	2	2	1									15
WLMM079	SR			5	1	1	2	1	1	5	3	1		3	5	1	1	1	4	1	36
WLMM114	YR				2	2	1	1	1		1		4	2	3	3	1	3	2	3	29
WLMM131	YR						1		1	4	1		2	4	1	1	2	2	2	3	24

***** Residency: YR = Year-round Resident; SR = Seasonal Resident; SV = Seasonal Visitor
Seasons: AU = Autumn; SP = Spring; SU = Summer; WI = Winter,
#STG = Total number of sightings

CWD Land-based Theodolite Tracking

CWD Groups by Survey Date

Date	Station	Start Time	End Time	Duration	Beaufort Range	Visibility Range	No. of Focal Follow Dolphin Groups Tracked	Group Size Range
8/Jan/20	Sha Chau	8:52	14:52	6:00	2	2-3	0	-
14/Jan/20	Lung Kwu Chau	9:20	15:20	6:00	2-3	2	3	1-3
19/Feb/20	Lung Kwu Chau	9:03	15:03	6:00	2-3	2	4	1
20/Feb/20	Sha Chau	8:50	14:50	6:00	2	2	0	-
9/Mar/20	Lung Kwu Chau	8:50	14:50	6:00	2-3	2-3	0	-
23/Mar/20	Sha Chau	10:52	16:52	6:00	2-3	2	0	-
9/Apr/20	Sha Chau	10:34	16:34	6:00	2	2	0	-
16/Apr/20	Lung Kwu Chau	9:09	15:09	6:00	2	2-3	4	1-4
27/May/20	Lung Kwu Chau	8:56	14:56	6:00	2	3	1	1
28/May/20	Sha Chau	10:45	16:45	6:00	2	3	0	-
4/Jun/20	Lung Kwu Chau	9:00	15:00	6:00	2-3	1	0	-
10/Jun/20	Sha Chau	10:45	16:45	6:00	3	1	0	-
7/Jul/20	Sha Chau	10:45	16:45	6:00	2-3	1	0	-
15/Jul/20	Lung Kwu Chau	8:54	14:54	6:00	2-3	1	0	-
17/Aug/20	Lung Kwu Chau	8:55	14:55	6:00	2-3	1-2	2	1-2
24/Aug/20	Sha Chau	10:56	16:56	6:00	2	2	0	-
3/Sep/20	Lung Kwu Chau	9:01	15:01	6:00	2	3	0	-
7/Sep/20	Sha Chau	10:37	16:37	6:00	2	2	0	-
19/Oct/20	Lung Kwu Chau	9:03	15:03	6:00	2-3	3	1	1
27/Oct/20	Sha Chau	10:52	16:52	6:00	2	2-3	0	-

Date	Station	Start Time	End Time	Duration	Beaufort Range	Visibility Range	No. of Focal Follow Dolphin Groups Tracked	Group Size Range
4/Nov/20	Sha Chau	10:55	16:55	6:00	2-3	3	0	-
16/Nov/20	Lung Kwu Chau	8:57	14:57	6:00	2-3	3	2	2-3
10/Dec/20	Sha Chau	10:52	16:52	6:00	2	3	0	-
28/Dec/20	Lung Kwu Chau	8:59	14:59	6:00	2-3	2	3	2-4

Visibility Range: 1=Excellent, 2=Good, 3=Fair, 4=Poor

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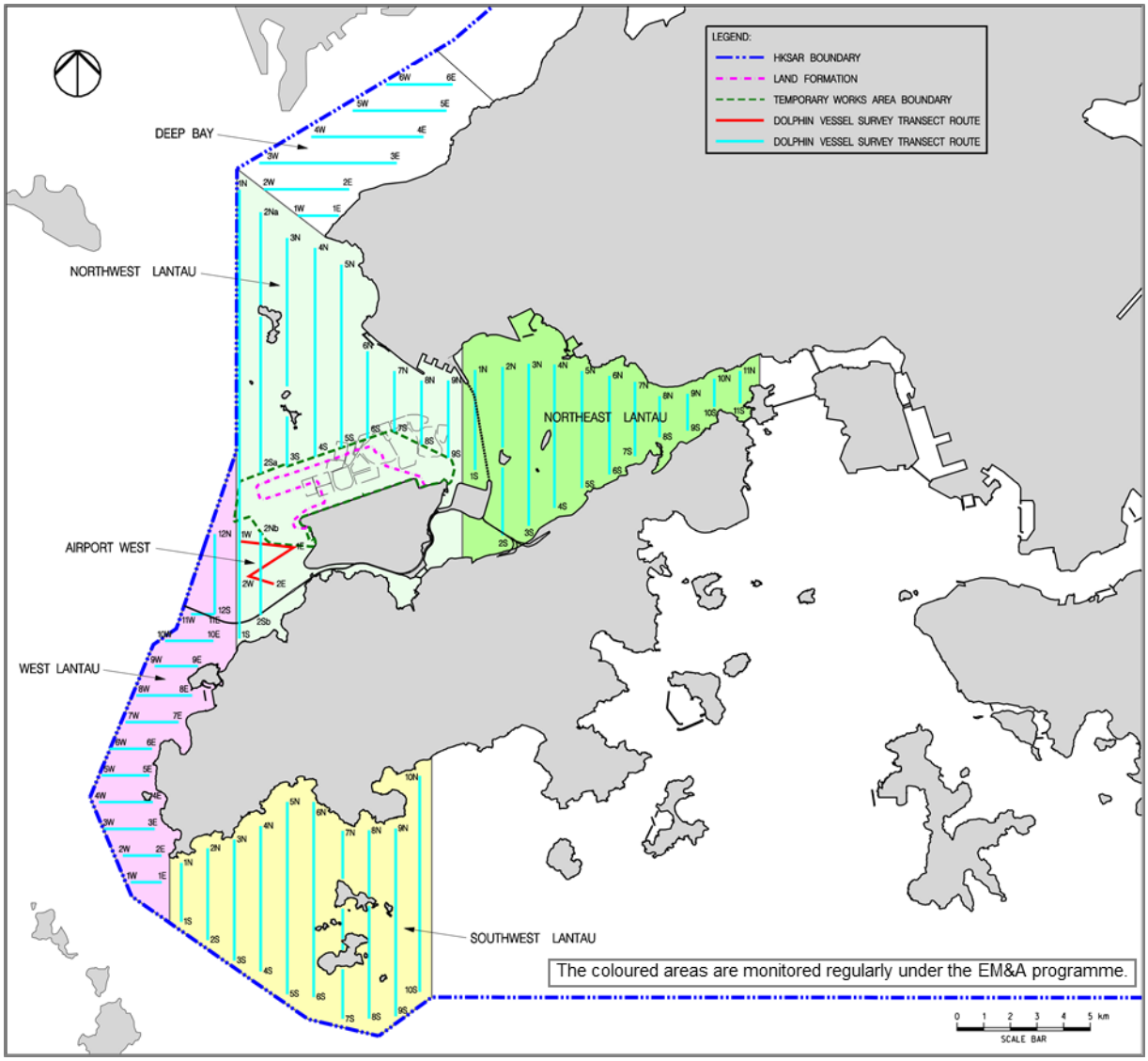
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Reference: Additional Vessel Survey for CWD Monitoring in Deep Bay Area



The additional survey in Deep Bay (DB) was conducted on a voluntary basis at the same frequency of two surveys per month.

All DB data were for reference and used only for density and abundance estimation.

(Note: The transect route in the DB survey area could not be fully travelled due to obstruction by the existing oyster culture rafts.)

Appendix G. Summary of Environmental Complaints and Cumulative Statistics on Exceedances, Notification of Summons, and Prosecution

Summary of Environmental Complaints

Date of Complaint Received	Details	Analysis / Remedial Actions	Status
25 Jan 2021	A complaint regarding dust issue was received on 25 Jan 2021.	ET requested the relevant contractor to provide information related to the complaint. During a joint ad-hoc inspection, dust emission from the vehicular movements was observed and was rectified as observed in the subsequent inspection. All contractors were reminded to properly and adequately implement dust suppression measures to prevent air pollution on site.	Closed
25 Jan 2021	A complaint regarding dust issue was received on 25 Jan 2021.	ET requested the relevant contractors to provide information related to the complaint. During regular site inspections, no dust issue was observed at the alleged area. In view of the information provided by the contractors and findings from ET's inspections and investigation, the case might be due to operation at a cement mixing barge, and the potential contractor related to the case was reminded to provide mitigation measures to prevent any recurrence. ET requested the contractor to continue implementing and strengthening their environmental mitigation measures on construction dust control to prevent any recurrence.	Closed
25 Jan 2021	A complaint regarding refuelling was received on 25 Jan 2021.	ET requested the relevant contractors to provide information related to the complaint. Regular site inspections and night-time ad-hoc inspections were also conducted by ET during which no occurrence regarding fuel spillage onto sea surface was observed. ET also conducted an investigation on the reclaimed land, in particular the alleged area, during which no refuelling activities and environmental malpractice leading to fuel spillage onto seawater was observed. All contractors were reminded to continue with their current proper practice in handling of fuel to prevent spillage.	Closed
1 Feb 2021	A complaint regarding dust issue was received on 1 Feb 2021.	ET requested the relevant contractors to provide information related to the complaint. During regular site inspections, dust emissions were observed in the alleged area from cement mixing activities and general dust control management on site, and were rectified by the contractors afterwards. The contractors implemented water spraying according to their dust control management plans. All contractors were reminded to properly and adequately implement dust suppression measures to prevent air pollution on site.	Closed
2 Feb 2021	A complaint regarding improper fuelling operation was received on 2 Feb 2021.	ET requested the relevant contractors to provide information related to the complaint. Regular site inspections and ad-hoc inspections were also	Closed

Date of Complaint Received	Details	Analysis / Remedial Actions	Status
		conducted by ET during which no occurrence regarding fuel spillage onto sea surface was observed. Furthermore, no environmental malpractice leading to fuel spillage onto seawater was observed at the alleged area. All contractors were reminded to properly handle fuel on site and implement their respective contractor-specific spill response plan including spill drills trainings and provision of sufficient spills kits.	
3 Feb 2021	A complaint regarding improper fuelling operation and high sulphur content fuel was received on 3 Feb 2021.	ET requested the relevant contractors to provide information related to the complaint. Regular site inspections and night-time ad-hoc inspections were also conducted by ET during which no occurrence regarding fuel spillage onto sea surface was observed. Furthermore, no environmental malpractice on the handling of fuel was observed at the alleged area. All contractors were reminded to properly handle fuel on site and implement their respective contract-specific spill response plan.	Closed
9 Feb 2021	A complaint regarding soil/muddy water from vehicles was received on 9 Feb 2021.	ET requested the relevant contractors to provide information related to the complaint. A joint ad-hoc inspection was conducted at the landing site where no dust related issue was observed. Besides, no observation related to dust issue was recorded during regular site inspections at the loading sites. All contractors were reminded to strictly conduct suppressing measures and maintain good housekeeping at all times.	Closed
20 Apr 2021	A complaint regarding alleged dusty and muddy vehicles was received on 20 April 2021.	ET requested the relevant contractors to provide information related to the complaint. Regular site inspections were conducted in which wheel washing on vehicles prior to leaving their works area was observed. For ad-hoc inspections, soil and sands on road surface in Tuen Mun Public Cargo Working Area and dusty surfaces at North Eastern Quay on 3RS reclaimed land were both observed. To follow up, the contractors are reminded to ensure the wheels of outgoing vehicles from their site area are properly washed. Haul road connected to the quay would be paved and manual wheel washing would be implemented continuously. In the long term, an enhanced wheel washing measure is planned at the quays.	Closed
14 May 2021	A complaint regarding dust issue was received on 14 May 2021.	ET requested the relevant contractor to provide information related to the complaint. Regular site inspections and joint inspections were conducted in which sprinklers and water trucks were observed operating. ET also checked the wind speed at the Chek Lap Kok wind station and the result might suggest the presence of sudden gust. Based on the information provided by the contractor and ET's findings, the dust generation might be caused by sudden gust. Nevertheless, the contractor was reminded to continue implementing mitigation measures on dust control.	Closed
21 Jun 2021	A complaint regarding sand material blown from stockpiling area was received on 21 June 2021.	ET requested the relevant contractors to provide information related to the complaint. Regular site inspections and joint inspection were conducted and no observation related to dust issue was recorded. Besides, inactive and idle stockpiles were covered and water spraying actions on active stockpiles were conducted and had been enhanced. All contractors were	Closed

Date of Complaint Received	Details	Analysis / Remedial Actions	Status
		reminded to continue implementing their mitigation measures on dust control on stockpiles.	
21 Jun 2021	A complaint regarding dust issue was received on 21 June 2021.	ET requested the relevant contractors to provide information related to the complaint. Regular site inspections and ad-hoc inspection were conducted in which no observation related to dust issue was recorded. ET also observed contractor was conducting water spraying at concerned area during ET's site inspection. Nevertheless, all contractors were reminded to continue implementing water spraying properly and adequately at their work areas. ET and IEC would continue to monitor contractors' dust suppression measures during environmental site inspections and the implementation of these measures at the concerned area.	Closed
28 Jun 2021	A complaint regarding muddy water was received on 28 June 2021.	ET requested the relevant contractors to provide information related to the complaint. Regular site inspections and joint inspection were conducted in which no illegal discharge was identified in the checklists. Moreover, Hong Kong Observatory issued four Amber Rainstorm Warning Signals on 22, 23, 24 June which might suggest heavy rainfall resulting in surface runoff at the alleged area. To follow up, ET would remind the contractors to pay attention on the possibility of surface run off, especially during rainy season and carry out further improvement on current measures if needed.	Closed
13 Jul 2021	A complaint regarding dust issue was received on 13 July 2021.	ET requested the relevant contractor to provide information related to the complaint. During regular site inspections, fugitive dust from vehicular movement and slightly dry haul road were observed in the concerned location, and were followed up by the contractor afterwards. The contractor conducted water spraying according to their dust control management plan and no dust issue was observed at the concerned location during ad-hoc inspections. The contractor was reminded to continue implementing their environmental mitigation measures on dust control on haul road and stockpiles especially on sunny days.	Closed
6 Oct 2021	A complaint regarding dust issue was received on 6 October 2021.	ET requested the relevant contractors to provide information related to the complaint. Regular site inspections and ad-hoc inspection were conducted in which no item related to insufficient water spraying was recorded. The contractors were reminded to continue implementing dust suppression measures, especially sufficient water spraying at the site area in accordance with the implementation schedule in the EM&A Manual.	Closed
29 Oct 2021	A complaint regarding dust issue was received on 29 October 2021.	ET requested the relevant contractor to provide information related to the complaint. Regular site inspections and ad-hoc inspection were conducted in which no item related to dust issue was recorded and water spraying at the concerned location was observed. All contractors were reminded to properly implement dust suppression measures, especially water spraying at their site area in accordance with the implementation schedule in the Updated EM&A Manual.	Closed
7 Nov 2021	A complaint regarding dust issue was received on 7 November 2021.	ET requested the relevant contractor to provide information related to the complaint. During a regular site inspection, dust was observed when	Closed

Date of Complaint Received	Details	Analysis / Remedial Actions	Status
		there was vehicle movement on haul road, and was rectified by the contractor afterwards. An ad-hoc inspection was conducted in which water spraying at the concerned haul road was observed. All contractors were reminded to properly implement dust mitigation measures, especially water spraying on the haul road in accordance with the implementation schedule in the Updated EM&A Manual.	
15 Nov 2021	Two emails regarding dust issue were received on 15 November 2021.	ET requested the relevant contractor to provide information related to the complaint. During a regular site inspection, dust was observed when there was vehicle movement on haul road and was rectified by the contractor promptly. An ad-hoc inspection was conducted subsequently in which water spraying at the concerned haul road was observed. All contractors were reminded to properly implement dust mitigation measures, especially water spraying on the haul road in accordance with the implementation schedule in the Updated EM&A Manual.	Closed
24 Nov 2021	A complaint regarding Non-road Mobile Machinery (NRMM) issue was received on 24 November 2021.	ET requested the relevant contractor to provide information related to the complaint. According to the information received, the contractor had obtained a valid NRMM label for the concerned vehicle. All contractors were reminded to continue and regularly update their NRMM plant inventory list, to self-check and ensure proper NRMM labels are displayed on their on-site vehicles and machines.	Closed
1 Dec 2021	A complaint regarding suspected dump truck for garbage disposal that was not properly covered was received on 1 December 2021.	ET requested the relevant contractors to provide information related to the complaint. Regular site inspections and ad-hoc inspection were conducted in which no item related to the covering of dump trucks was recorded. All contractors were reminded to ensure the proper covering of dump trucks for garbage disposal and avoid potential blowing away of materials during the process.	Closed
13 Dec 2021	A complaint regarding muddy water was received on 13 December 2021.	ET requested the relevant contractor to provide information related to the complaint. Regular site inspections and ad-hoc inspections were conducted in which no observation on muddy water was recorded. All contractors were reminded to properly implement water quality mitigation measures on their work sites in accordance with the implementation schedule in the Updated EM&A Manual.	Closed

Cumulative Statistics for Valid Exceedances for the Environmental Monitoring

		Total no. recorded in the reporting period	Total no. recorded since the project commenced
1-hr TSP	Action	0	0
	Limit	0	0
Noise	Action	0	0
	Limit	0	0
Waste	Action	0	0
	Limit	0	0
Water	Action	0	0
	Limit	0	0
CWD	Action	0	0
	Limit	0	0

Remark: Exceedances, which are not found project related, are not shown in this table.

Cumulative Statistics for Non-compliance, Complaints, Notifications of Summons and Prosecution

Reporting Period	Cumulative Statistics			
	Non-compliance	Complaints	Notifications of Summons	Prosecutions
This reporting period	0	20	1	1
From 28 December 2015 to end of the reporting period	0	47	2	2

Appendix H. Tree Schedule

Appendix H

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
Exiting Works Contracts													
3302	T01	3302	811275.297	818150.991	王棕	*Roystonea regia*	330	3	11	RETAIN	RETAIN	RETAIN	
3302	T02	3302	811264.902	818147.829	鳳凰木	*Delonix regia*	310	7	10	FELL	FELL	FELL	
3302	T03	3302	811263.970	818145.696	王棕	*Roystonea regia*	340	3	8	RETAIN	RETAIN	RETAIN	
3302	T04	3302	811197.022	818119.301	木棉	*Bombax ceiba*	400	7	8	RETAIN	RETAIN	RETAIN	
3302	T05	3302	811170.337	818121.173	大葉合歡	*Albizia lebbeck*	354	7	8	FELL	FELL	FELL	
3302	T06	3302	811162.015	818120.276	楝	*Melia azedarach*	350	10	10	FELL	FELL	FELL	
3302	T07	3302	811156.704	818109.776	銀海棗	*Phoenix sylvestris*	360	7	12	RETAIN	RETAIN	RETAIN	
3302	T08	3302	811157.985	818104.865	榕樹	*Ficus microcarpa*	350	10	8	RETAIN	RETAIN	RETAIN	
3302	T09	3302	811154.973	818114.253	雞蛋花	*Plumeria rubra*	191	4	3.5	RETAIN	RETAIN	RETAIN	
3302	T10	3302	811154.739	818117.318	垂葉榕	*Ficus benjamina*	450	5	5.5	RETAIN	RETAIN	RETAIN	
3302	T11	3302	811162.660	818130.209	火焰木	*Spathodea campanulata*	370	6	10	RETAIN	RETAIN	RETAIN	
3302	T12	3302	811167.380	818133.426	蒲葵	*Livistona chinensis*	300	4	11	RETAIN	RETAIN	RETAIN	
3501	T2834	3501	811564.826	819989.263	銀樺	*Grevillea robusta*	95	2	4	FELL	FELL	FELL	
3501	T2840	3501	811583.814	820019.745	銀樺	*Grevillea robusta*	135	4	7	FELL	FELL	FELL	
3501	T2841	3501	811581.424	820017.802	銀樺	*Grevillea robusta*	135	3	6	FELL	FELL	FELL	
3501	T2842	3501	811579.389	820013.517	銀樺	*Grevillea robusta*	160	4	6	FELL	FELL	FELL	
3501	T2843	3501	811570.203	820021.011	銀樺	*Grevillea robusta*	125	3	6	FELL	FELL	FELL	
3501	T2844	3501	811569.526	820018.664	銀樺	*Grevillea robusta*	110	3	6	FELL	FELL	FELL	
3501	T2845	3501	811566.205	820014.999	銀樺	*Grevillea robusta*	170	4	6	FELL	FELL	FELL	
3501	T2846	3501	811560.860	820016.716	銀樺	*Grevillea robusta*	165	4	8	FELL	FELL	FELL	
3501	T2847	3501	811557.684	820018.792	銀樺	*Grevillea robusta*	160	4	7	FELL	FELL	FELL	
3501	T2848	3501	811557.945	820015.551	銀樺	*Grevillea robusta*	150	4	7	FELL	FELL	FELL	
3501	T2849	3501	811553.484	820017.694	銀樺	*Grevillea robusta*	95	3	6	FELL	FELL	FELL	
3501	T2850	3501	811552.831	820014.626	銀樺	*Grevillea robusta*	105	3	5	FELL	FELL	FELL	
3501	T2851	3501	811553.571	820012.506	紅膠木	*Lophostemon confertus*	150	4	6	FELL	FELL	FELL	
3501	T2852	3501	811550.004	820027.267	楝	*Melia azedarach*	275	8	9	FELL	FELL	FELL	
3501	T2853	3501	811550.004	820028.299	楝	*Melia azedarach*	210	3	7	FELL	FELL	FELL	
3501	T2854	3501	811545.157	820031.346	楝	*Melia azedarach*	470	10	9	FELL	FELL	FELL	
3501	T2855	3501	811544.552	820031.723	楝	*Melia azedarach*	230	6	9	FELL	FELL	FELL	
3501	T2856	3501	811541.734	820025.226	耳果相思	*Acacia auriculiformis*	230	8	9	FELL	FELL	FELL	
3501	T2857	3501	811533.586	820023.626	洋紫荊	*Bauhinia x Blakeana*	175	4	5	FELL	FELL	FELL	
3501	T2858	3501	811544.246	820017.027	銀樺	*Grevillea robusta*	155	3	4	FELL	FELL	FELL	
3501	T2859	3501	811544.739	820005.874	銀樺	*Grevillea robusta*	105	3	6	FELL	FELL	FELL	
3501	T2860	3501	811544.339	820002.513	銀樺	*Grevillea robusta*	95	3	6	FELL	FELL	FELL	
3501	T2861	3501	811536.815	820015.382	銀樺	*Grevillea robusta*	120	2	5	FELL	FELL	FELL	
3501	T2862	3501	811535.419	820012.965	銀樺	*Grevillea robusta*	110	2	5	FELL	FELL	FELL	
3501	T2863	3501	811535.788	820009.776	銀樺	*Grevillea robusta*	125	3	5	FELL	FELL	FELL	
3501	T2864	3501	811532.010	820006.746	銀樺	*Grevillea robusta*	150	4	7	FELL	FELL	FELL	
3501	T2865	3501	811512.828	820010.789	垂葉榕	*Ficus benjamina*	185	4	7	FELL	FELL	FELL	
3501	T2866	3501	811515.806	819996.902	*紅膠木*	*Lophostemon confertus*	225	4	6	FELL	FELL	FELL	
3501	T2867	3501	811508.914	819997.550	垂葉榕	*Ficus benjamina*	160	4	5	FELL	FELL	FELL	
3501	T2868	3501	811507.267	820000.659	垂葉榕	*Ficus benjamina*	160	4	5	FELL	FELL	FELL	
3501	T2869	3501	811513.026	819988.862	銀樺	*Grevillea robusta*	155	3	8	FELL	FELL	FELL	
3501	T2870	3501	811506.500	819991.396	垂葉榕	*Ficus benjamina*	150	4	7	FELL	FELL	FELL	
3501	T2871	3501	811504.880	819988.678	垂葉榕	*Ficus benjamina*	180	4	7	FELL	FELL	FELL	
3501	T2872	3501	811502.769	819988.202	垂葉榕	*Ficus benjamina*	180	4	7	FELL	FELL	FELL	
3501	T2873	3501	811500.947	819985.060	垂葉榕	*Ficus benjamina*	200	4	7	FELL	FELL	FELL	
3501	T2874	3501	811504.630	819985.165	垂葉榕	*Ficus benjamina*	165	4	7	FELL	FELL	FELL	
3501	T2875	3501	811503.555	819982.468	垂葉榕	*Ficus benjamina*	210	4	7	FELL	FELL	FELL	
3501	T2876	3501	811499.728	819980.100	垂葉榕	*Ficus benjamina*	190	4	7	FELL	FELL	FELL	
3501	T2877	3501	811499.980	819976.821	垂葉榕	*Ficus benjamina*	215	6	7	FELL	FELL	FELL	
3501	T2878	3501	811503.184	819978.072	垂葉榕	*Ficus benjamina*	205	6	7	FELL	FELL	FELL	
3501	T2879	3501	811503.642	819974.334	垂葉榕	*Ficus benjamina*	215	6	7	FELL	FELL	FELL	
3501	T2880	3501	811499.977	819973.587	垂葉榕	*Ficus benjamina*	160	4	7	FELL	FELL	FELL	
3501	T2881	3501	811502.953	819970.909	垂葉榕	*Ficus benjamina*	220	5	7	FELL	FELL	FELL	
3501	T2882	3501	811501.449	819968.218	垂葉榕	*Ficus benjamina*	240	7	7	FELL	FELL	FELL	
3501	T2885	3501	811524.395	819959.493	銀樺	*Grevillea robusta*	125	3	6	FELL	FELL	FELL	
3501	T2886	3501	811519.066	819956.518	銀樺	*Grevillea robusta*	100	3	6	FELL	FELL	FELL	
3501	T2887	3501	811514.400	819956.820	垂葉榕	*Ficus benjamina*	165	3	6	FELL	FELL	FELL	
3501	T2888	3501	811515.122	819948.868	垂葉榕	*Ficus benjamina*	250	6	7	FELL	FELL	FELL	
3501	T2889	3501	811518.986	819948.249	垂葉榕	*Ficus benjamina*	190	4	7	FELL	FELL	FELL	
3501	T2890	3501	811526.581	819949.787	垂葉榕	*Ficus benjamina*	230	5	7	FELL	FELL	FELL	
3501	T2891	3501	811527.204	819941.173	垂葉榕	*Ficus benjamina*	230	4	6	FELL	FELL	FELL	
3503	T1252	3503	811942.889	819462.737	旅人蕉	*Ravenala madagascariensis*	320	2	4	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3503	T1253	3503	811942.170	819462.076	旅人蕉	*Ravenala madagascariensis*	255	2	5	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3503	T1254	3503	811941.455	819461.627	旅人蕉	*Ravenala madagascariensis*	200	2	5	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3503	T1255	3503	811940.879	819461.577	旅人蕉	*Ravenala madagascariensis*	290	2	4	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3503	T1256	3503	811940.544	819461.280	旅人蕉	*Ravenala madagascariensis*	220	2	5	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3503	T1257	3503	811938.751	819460.180	旅人蕉	*Ravenala madagascariensis*	190	2	5	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3503	T1258	3503	811937.702	819458.816	旅人蕉	*Ravenala madagascariensis*	255	2	5	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3503	T1259	3503	811936.921	819457.860	旅人蕉	*Ravenala madagascariensis*	245	2	5	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3503	T1260	3503	811936.154	819456.038	旅人蕉	*Ravenala madagascariensis*	210	2	5	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3503	T1278	3503	811939.741	819459.409	旅人蕉	*Ravenala madagascariensis*	240	2	5	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3503	T1280	3503	811939.020	819458.955	旅人蕉	*Ravenala madagascariensis*	240	2	5	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3503	T199	3503	811874.9683	819780.9829	耳果相思	*Acacia auriculiformis*	293	7	10	FELL	FELL	FELL	
3503	T200	3503	811867.3162	819782.114	楝	*Melia azedarach*	143	6	8	FELL	FELL	FELL	
3503	T245	3503	811846.5496	819771.2276	垂葉榕	*Ficus benjamina*	156	3	5	FELL	FELL	FELL	
3503	T246	3503	811845.3174	819768.2582	垂葉榕	*Ficus benjamina*	172	4	6	FELL	FELL	FELL	
3503	T247	3503	811848.2183	819767.3812	垂葉榕	*Ficus benjamina*	210	5	7	FELL	FELL	FELL	
3503	T248	3503	811847.5771	819764.0966	垂葉榕	*Ficus benjamina*	172	4	7	FELL	FELL	FELL	
3503	T249	3503	811849.7733	819763.4818	垂葉榕	*Ficus benjamina*	191	4	7	FELL	FELL	FELL	
3503	T250	3503	811851.512	819759.3679	垂葉榕	*Ficus benjamina*	200	5	7	FELL	FELL	FELL	
3503	T251	3503	811850.5332	819756.9545	垂葉榕	*Ficus benjamina*	140	5	7	FELL	FELL	FELL	
3503	T252	3503	811853.0333	819755.9432	垂葉榕	*Ficus benjamina*	225	4	7	FELL	FELL	FELL	
3503	T253	3503	811852.0991	819753.5101	垂葉榕	*Ficus benjamina*	145	3	6	FELL	FELL	FELL	
3503	T254	3503	811854.5348	819752.1039	垂葉榕	*Ficus benjamina*	135	4	7	FELL	FELL	FELL	
3503	T255	3503	811853.8168	819749.7097	垂葉榕	*Ficus benjamina*	190	4	7	FELL	FELL	FELL	
3503	T256	3503	811856.1014	819748.5197	垂葉榕	*Ficus benjamina*	165	4	6	FELL	FELL	FELL	
3503	T257	3503	811855.1171	819745.8945	垂葉榕	*Ficus benjamina*	160	4	7	FELL	FELL	FELL	
3503	T258	3503	811857.4192	819744.8442	垂葉榕	*Ficus benjamina*	230	5	7	FELL	FELL	FELL	
3503	T259	3503	811856.6922	819742.2958	垂葉榕	*Ficus benjamina*	170	5	7	FELL	FELL	FELL	
3503	T260	3503	811859.4105	819741.1989	垂葉榕	*Ficus benjamina*	165	4	7	FELL	FELL	FELL	
3503	T261	3503	811858.1933	819738.821	垂葉榕	*Ficus benjamina*	145	4	7	FELL	FELL	FELL	
3503	T262	3503	811860.8916	819737.4109	垂葉榕	*Ficus benjamina*	160	4	7	FELL	FELL	FELL	
3503	T263	3503	811859.7647	819734.9073	垂葉榕	*Ficus benjamina*	200	5	8	FELL	FELL	FELL	
3503	T264	3503	811862.3331	819733.8653	垂葉榕	*Ficus benjamina*	245	5	8	FELL	FELL	FELL	
3503	T265	3503	811861.3125	819731.1781	垂葉榕	*Ficus benjamina*	220	6	8	FELL	FELL	FELL	
3503	T266	3503	811863.7152	819730.2974	垂葉榕	*Ficus benjamina*	145	4	7	FELL	FELL	FELL	
3503	T267	3503	811863.0106	819727.6284	垂葉榕	*Ficus benjamina*	180	4	8	FELL	FELL	FELL	
3503	T268	3503	811865.3478	819726.4652	垂葉榕	*Ficus benjamina*	200	6	8	FELL	FELL	FELL	
3503	T269	3503	811864.8145	819723.7498	垂葉榕	*Ficus benjamina*	220	6	9	FELL	FELL	FELL	
3503	T2718	3503	811737.3118	819724.557	垂葉榕	*Ficus benjamina*	180	5	7	FELL	FELL	FELL	
3503	T2719	3503	811736.0886	819729.7665	垂葉榕	*Ficus benjamina*	135	4	5	FELL	FELL	FELL	
3503	T272	3503	811869.8078	819712.8991	垂葉榕	*Ficus benjamina*	180	4	7	FELL	FELL	FELL	
3503	T2720	3503	811733.9528	819732.6672	垂葉榕	*Ficus benjamina*	135	3	6	FELL	FELL	FELL	
3503	T2721	3503	811731.0087	819741.1771	垂葉榕	*Ficus benjamina*	125	3	5	FELL	FELL	FELL	
3503	T2722	3503	811729.0826	819747.1919	垂葉榕	*Ficus benjamina*	145	3	5	FELL	FELL	FELL	
3503	T2723	3503	811727.4899	819750.7511	垂葉榕	*Ficus benjamina*	110	3	5	FELL	FELL	FELL	
3503	T2724	3503	811725.4148	819756.9635	垂葉榕	*Ficus benjamina*	120	3	5	FELL	FELL	FELL	
3503	T2725	3503	811717.5441	819780.6435	垂葉榕	*Ficus benjamina*	150	4	6	FELL	FELL	FELL	
3503	T2726	3503	811716.1256	819783.8559	垂葉榕	*Ficus benjamina*	140	3	6	FELL	FELL	FELL	
3503	T2727	3503	811701.1278	819827.63	垂葉榕	*Ficus benjamina*	220	5	7	FELL	FELL	FELL	
3503	T2728	3503	811699.2648	819833.2894	垂葉榕	*Ficus benjamina*	170	3	6	FELL	FELL	FELL	
3503	T2729	3503	811698.0665	819836.5809	垂葉榕	*Ficus benjamina*	165	3	6	FELL	FELL	FELL	
3503	T273	3503	811871.533	819709.1063	垂葉榕	*Ficus benjamina*	180	4	7	FELL	FELL	FELL	
3503	T2730	3503	811696.5413	819840.9023	垂葉榕	*Ficus benjamina*	170	3	6	FELL	FELL	FELL	
3503	T2731	3503	811695.6629	819844.0416	垂葉榕	*Ficus benjamina*	135	3	5	FELL	FELL	FELL	
3503	T2732	3503	811694.5866	819847.0217	垂葉榕	*Ficus benjamina*	190	4	6	FELL	FELL	FELL	
3503	T2734	3503	811692.3213	819853.8894	垂葉榕	*Ficus benjamina*	180	3	6	FELL	FELL	FELL	
3503	T2735	3503	811691.1826	819856.653	垂葉榕	*Ficus benjamina*	180	3	7	FELL	FELL	FELL	
3503	T2737	3503	811671.2792	819863.96	垂葉榕	*Ficus benjamina*	170	4	6	FELL	FELL	FELL	
3503	T2738	3503	811667.5138	819865.5985	垂葉榕	*Ficus benjamina*	180	4	6	FELL	FELL	FELL	
3503	T2739	3503	811664.2252	819864.8028	垂葉榕	*Ficus benjamina*	125	3	6	FELL	FELL	FELL	
3503	T2740	3503	811665.6255	819861.8557	垂葉榕	*Ficus benjamina*	180	4	6	FELL	FELL	FELL	
3503	T2741	3503	811666.4677	819896.7604	黃槿	*Hibiscus tiliaceus*	265	8	8	FELL	FELL	FELL	
3503	T2742	3503	811663.587	819899.6396	黃槿	*Hibiscus tiliaceus*	155	7	7	FELL	FELL	FELL	
3503	T2743	3503	811662.9199	819902.2067	黃槿	*Hibiscus tiliaceus*	140	6	6	FELL	FELL	FELL	
3503	T2744	3503	811661.5425	819905.3429	黃槿	*Hibiscus tiliaceus*	190	7	6	FELL	FELL	FELL	
3503	T2745	3503	811660.5227	819908.1113	黃槿	*Hibiscus tiliaceus*	125	6	6	FELL	FELL	FELL	
3503	T2746	3503	811659.5621	819911.0754	黃槿	*Hibiscus tiliaceus*	150	6	6	FELL	FELL	FELL	
3503	T2747	3503	811659.0684	819913.1558	黃槿	*Hibiscus tiliaceus*	150	6	6	FELL	FELL	FELL	
3503	T2748	3503	811658.3119	819915.7848	黃槿	*Hibiscus tiliaceus*	155	7	5	FELL	FELL	FELL	
3503	T2749	3503	811657.3576	819918.9308	黃槿	*Hibiscus tiliaceus*	295	8	7	FELL	FELL	FELL	
3503	T275	3503	811874.7882	819701.2678	垂葉榕	*Ficus benjamina*	216	6	8	FELL	FELL	FELL	
3503	T2750	3503	811655.1594	819934.2419	垂葉榕	*Ficus benjamina*	170	4	6	FELL	FELL	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3503	T2751	3503	811660.2811	819936.2932	垂葉榕	*Ficus benjamina*	250	6	7	FELL	FELL	FELL	
3503	T2752	3503	811676.0981	819912.2405	黃槿	*Hibiscus tiliaceus*	285	8	8	FELL	FELL	FELL	
3503	T2753	3503	811674.8702	819915.7525	黃槿	*Hibiscus tiliaceus*	245	7	8	FELL	FELL	FELL	
3503	T2754	3503	811673.028	819926.0714	黃槿	*Hibiscus tiliaceus*	240	7	7	FELL	FELL	FELL	
3503	T2755	3503	811675.8052	819928.1589	黃槿	*Hibiscus tiliaceus*	215	6	7	FELL	FELL	FELL	
3503	T2756	3503	811677.6014	819932.0019	黃槿	*Hibiscus tiliaceus*	195	5	6	FELL	FELL	FELL	
3503	T2757	3503	811680.775	819933.2527	黃槿	*Hibiscus tiliaceus*	210	5	7	FELL	FELL	FELL	
3503	T2758	3503	811684.2845	819934.2151	黃槿	*Hibiscus tiliaceus*	230	7	8	FELL	FELL	FELL	
3503	T2759	3503	811689.3446	819936.2824	黃槿	*Hibiscus tiliaceus*	315	8	8	FELL	FELL	FELL	
3503	T276	3503	811876.5692	819697.608	垂葉榕	*Ficus benjamina*	185	4	7	FELL	FELL	FELL	
3503	T2760	3503	811679.4328	819944.6381	垂葉榕	*Ficus benjamina*	190	5	7	FELL	FELL	FELL	
3503	T2761	3503	811689.0292	819947.8907	垂葉榕	*Ficus benjamina*	230	6	8	FELL	FELL	FELL	
3503	T2762	3503	811707.4455	819941.5871	黃槿	*Hibiscus tiliaceus*	300	7	8	FELL	FELL	FELL	
3503	T2764	3503	811718.0322	819944.6888	黃槿	*Hibiscus tiliaceus*	215	6	6	FELL	FELL	FELL	
3503	T2765	3503	811723.8962	819944.8007	黃槿	*Hibiscus tiliaceus*	170	5	6	FELL	FELL	FELL	
3503	T2766	3503	811726.0197	819941.1453	黃槿	*Hibiscus tiliaceus*	190	6	7	FELL	FELL	FELL	
3503	T2767	3503	811728.6136	819942.1798	黃槿	*Hibiscus tiliaceus*	250	7	7	FELL	FELL	FELL	
3503	T2768	3503	811738.5728	819932.6347	銀樺	*Grevillea robusta*	120	3	6	FELL	FELL	FELL	
3503	T2769	3503	811740.1361	819930.3655	銀樺	*Grevillea robusta*	100	3	6	FELL	FELL	FELL	
3503	T277	3503	811878.5209	819693.5559	垂葉榕	*Ficus benjamina*	213	4	7	FELL	FELL	FELL	
3503	T2770	3503	811748.4875	819916.8297	銀樺	*Grevillea robusta*	180	4	9	FELL	FELL	FELL	
3503	T279	3503	811881.5847	819685.8313	垂葉榕	*Ficus benjamina*	194	4	7	FELL	FELL	FELL	
3503	T280	3503	811883.439	819682.1788	垂葉榕	*Ficus benjamina*	165	4	6	FELL	FELL	FELL	
3503	T281	3503	811884.8408	819678.4291	垂葉榕	*Ficus benjamina*	190	5	7	FELL	FELL	FELL	
3503	T282	3503	811886.353	819674.7187	垂葉榕	*Ficus benjamina*	260	6	8	FELL	FELL	FELL	
3503	T2817	3503	811633.646	820008.781	銀樺	*Grevillea robusta*	160	3	7	*	*	FELL	
3503	T2818	3503	811631.363	820008.663	銀樺	*Grevillea robusta*	135	3	7	*	*	FELL	
3503	T2819	3503	811629.539	820007.787	銀樺	*Grevillea robusta*	175	3	7	*	*	FELL	
3503	T2820	3503	811627.171	820007.147	銀樺	*Grevillea robusta*	125	3	7	*	*	FELL	
3503	T2821	3503	811625.252	820006.178	銀樺	*Grevillea robusta*	170	3	7	*	*	FELL	
3503	T2822	3503	811619.046	820004.472	銀樺	*Grevillea robusta*	190	3	7	*	*	FELL	
3503	T2823	3503	811616.539	820004.636	銀樺	*Grevillea robusta*	145	3	5	*	*	FELL	
3503	T2824	3503	811614.921	820003.336	銀樺	*Grevillea robusta*	120	2	5	*	*	FELL	
3503	T2825	3503	811610.414	820001.779	銀樺	*Grevillea robusta*	150	3	6	*	*	FELL	
3503	T2826	3503	811606.248	820001.058	銀樺	*Grevillea robusta*	120	2	6	*	*	FELL	
3503	T2827	3503	811608.124	820001.837	銀樺	*Grevillea robusta*	125	2	6	*	*	FELL	
3503	T2828	3503	811603.75	819999.498	銀樺	*Grevillea robusta*	110	3	5	*	*	FELL	
3503	T2829	3503	811601.142	819998.056	銀樺	*Grevillea robusta*	100	2	5	*	*	FELL	
3503	T2830	3503	811596.549	819997.142	銀樺	*Grevillea robusta*	150	3	6	*	*	FELL	
3503	T2831	3503	811595.146	819997.973	銀樺	*Grevillea robusta*	100	2	4	*	*	FELL	
3503	T2832	3503	811593.285	819995.994	銀樺	*Grevillea robusta*	130	2	3	*	*	FELL	
3503	T2833	3503	811591.649	819995.917	銀樺	*Grevillea robusta*	160	3	4	*	*	FELL	
3503	T2835	3503	811551.5261	819981.7465	銀樺	*Grevillea robusta*	145	3	6	FELL	FELL	FELL	
3503	T2836	3503	811555.75	819981.7259	銀樺	*Grevillea robusta*	135	3	5	FELL	FELL	FELL	
3503	T2837	3503	811530.2271	819973.1317	銀樺	*Grevillea robusta*	100	3	5	FELL	FELL	FELL	
3503	T2838	3503	811591.033	820015.0922	銀樺	*Grevillea robusta*	135	3	6	FELL	FELL	FELL	
3503	T2839	3503	811587.4376	820014.3732	紅膠木	*Lophostemon confertus*	190	8	7	FELL	FELL	FELL	
3503	T2883	3503	811530.4277	819965.4969	銀樺	*Grevillea robusta*	130	3	6	FELL	FELL	FELL	
3503	T2884	3503	811527.9982	819964.4492	銀樺	*Grevillea robusta*	140	3	6	FELL	FELL	FELL	
3503	T2914	3503	811467.2535	819924.1006	垂葉榕	*Ficus benjamina*	230	8	9	FELL	TO-BE-FELLED	FELL	
3503	T2915	3503	811470.812	819923.8546	垂葉榕	*Ficus benjamina*	215	6	8	FELL	TO-BE-FELLED	FELL	
3503	T2916	3503	811468.0169	819917.6263	垂葉榕	*Ficus benjamina*	225	6	7	FELL	TO-BE-FELLED	FELL	
3503	T2917	3503	811458.8193	819899.6831	垂葉榕	*Ficus benjamina*	200	8	8	FELL	TO-BE-FELLED	FELL	
3503	T2918	3503	811456.9986	819895.9072	垂葉榕	*Ficus benjamina*	260	8	9	FELL	TO-BE-FELLED	FELL	
3503	T2919	3503	811462.0653	819895.1999	垂葉榕	*Ficus benjamina*	245	8	8	FELL	TO-BE-FELLED	FELL	
3503	T2938	3503	811537.0355	819917.5632	垂葉榕	*Ficus benjamina*	225	8	8	FELL	FELL	FELL	
3503	T2939	3503	811537.8463	819915.4534	垂葉榕	*Ficus benjamina*	205	8	8	FELL	FELL	FELL	
3503	T2940	3503	811538.7845	819911.7577	垂葉榕	*Ficus benjamina*	165	4	8	FELL	FELL	FELL	
3503	T2941	3503	811539.5657	819908.1966	垂葉榕	*Ficus benjamina*	215	8	8	FELL	FELL	FELL	
3503	T2942	3503	811540.2171	819906.0237	垂葉榕	*Ficus benjamina*	130	2	5	FELL	FELL	FELL	
3503	T2943	3503	811541.6946	819902.593	垂葉榕	*Ficus benjamina*	230	8	7	FELL	FELL	FELL	
3503	T2944	3503	811534.5625	819901.4187	垂葉榕	*Ficus benjamina*	215	6	7	FELL	FELL	FELL	
3503	T2945	3503	811545.4702	819897.6905	楝	*Melia azedarach*	210	6	7	FELL	FELL	FELL	
3503	T2946	3503	811547.357	819898.4851	楝	*Melia azedarach*	140	6	7	FELL	FELL	FELL	
3503	T2950	3503	811571.0078	819862.0616	黃槿	*Hibiscus tiliaceus*	205	6	8	FELL	FELL	FELL	
3503	T2951	3503	811573.6261	819860.1849	黃槿	*Hibiscus tiliaceus*	285	6	8	FELL	FELL	FELL	
3503	T2952	3503	811577.0766	819858.264	黃槿	*Hibiscus tiliaceus*	255	8	8	FELL	FELL	FELL	
3503	T2953	3503	811580.874	819857.1261	黃槿	*Hibiscus tiliaceus*	225	7	8	FELL	FELL	FELL	
3503	T2954	3503	811584.1838	819857.5631	黃槿	*Hibiscus tiliaceus*	205	7	8	FELL	FELL	FELL	
3503	T2955	3503	811586.0076	819854.2774	黃槿	*Hibiscus tiliaceus*	225	8	8	FELL	FELL	FELL	
3503	T2956	3503	811589.2795	819855.0102	黃槿	*Hibiscus tiliaceus*	240	6	8	FELL	FELL	FELL	
3503	T2957	3503	811587.7548	819858.6342	黃槿	*Hibiscus tiliaceus*	230	6	7	FELL	FELL	FELL	
3503	T2958	3503	811590.8355	819859.6539	黃槿	*Hibiscus tiliaceus*	225	6	7	FELL	FELL	FELL	
3503	T2959	3503	811591.9372	819855.6997	黃槿	*Hibiscus tiliaceus*	215	6	8	FELL	FELL	FELL	
3503	T2960	3503	811595.0588	819856.5982	黃槿	*Hibiscus tiliaceus*	190	7	8	FELL	FELL	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3503	T2961	3503	811593.7039	819860.7705	黃槿	*Hibiscus tiliaceus*	260	8	8	FELL	FELL	FELL	
3503	T2962	3503	811597.3169	819861.8913	黃槿	*Hibiscus tiliaceus*	265	8	8	FELL	FELL	FELL	
3503	T2963	3503	811598.9118	819858.1086	黃槿	*Hibiscus tiliaceus*	300	8	8	FELL	FELL	FELL	
3503	T2964	3503	811601.96	819862.4595	黃槿	*Hibiscus tiliaceus*	285	8	8	FELL	FELL	FELL	
3503	T2965	3503	811605.1951	819864.3796	黃槿	*Hibiscus tiliaceus*	275	8	8	FELL	FELL	FELL	
3503	T2966	3503	811609.8764	819861.5876	黃槿	*Hibiscus tiliaceus*	265	7	8	FELL	FELL	FELL	
3503	T2967	3503	811758.7007	819662.7	垂葉榕	*Ficus benjamina*	155	4	6	FELL	FELL	FELL	
3503	T2968	3503	811776.8647	819623.9263	垂葉榕	*Ficus benjamina*	225	8	8	FELL	FELL	FELL	
3503	T2969	3503	811777.519	819622.6111	垂葉榕	*Ficus benjamina*	195	7	8	FELL	FELL	FELL	
3503	T2970	3503	811675.9677	819581.9765	垂葉榕	*Ficus benjamina*	205	6	9	FELL	FELL	FELL	
3503	T2971	3503	811674.3926	819575.3587	垂葉榕	*Ficus benjamina*	170	5	8	FELL	FELL	FELL	
3503	T2972	3503	811673.83	819571.3163	垂葉榕	*Ficus benjamina*	260	6	8	FELL	FELL	FELL	
3503	T2973	3503	811673.7105	819567.6357	垂葉榕	*Ficus benjamina*	215	7	8	FELL	FELL	FELL	
3503	T2974	3503	811673.3071	819563.5969	垂葉榕	*Ficus benjamina*	210	7	8	FELL	FELL	FELL	
3503	T2975	3503	811672.1035	819559.9442	垂葉榕	*Ficus benjamina*	215	7	8	FELL	FELL	FELL	
3503	T2976	3503	811672.2852	819556.2132	垂葉榕	*Ficus benjamina*	180	6	8	FELL	FELL	FELL	
3503	T2977	3503	811671.4024	819552.9569	垂葉榕	*Ficus benjamina*	195	7	8	FELL	FELL	FELL	
3503	T2978	3503	811671.0478	819549.3686	垂葉榕	*Ficus benjamina*	205	6	8	FELL	FELL	FELL	
3503	T2979	3503	811671.0063	819545.7492	垂葉榕	*Ficus benjamina*	225	7	8	FELL	FELL	FELL	
3503	T2980	3503	811670.7522	819541.1446	垂葉榕	*Ficus benjamina*	240	8	8	FELL	FELL	FELL	
3503	T2981	3503	811669.8359	819538.2594	垂葉榕	*Ficus benjamina*	160	5	8	FELL	FELL	FELL	
3503	T2982	3503	811666.841	819536.211	垂葉榕	*Ficus benjamina*	240	8	8	FELL	FELL	FELL	
3503	T2984	3503	811650.695	819558.8973	大花紫薇	*Lagerstroemia speciosa*	145	5	4	FELL	FELL	FELL	
3503	T2985	3503	811651.3961	819567.1367	大花紫薇	*Lagerstroemia speciosa*	125	4	4	FELL	FELL	FELL	
3503	T2986	3503	811643.298	819503.9816	垂葉榕	*Ficus benjamina*	225	6	8	FELL	FELL	FELL	
3503	T2987	3503	811643.6152	819501.4488	垂葉榕	*Ficus benjamina*	195	5	8	FELL	FELL	FELL	
3503	T2991	3503	811636.8564	819504.6597	垂葉榕	*Ficus benjamina*	195	7	8	FELL	FELL	FELL	
3503	T2992	3503	811663.42	819511.0293	垂葉榕	*Ficus benjamina*	205	7	8	FELL	FELL	FELL	
3503	T2993	3503	811663.0745	819507.9529	垂葉榕	*Ficus benjamina*	170	6	7	FELL	FELL	FELL	
3503	T2994	3503	811663.4943	819502.1075	垂葉榕	*Ficus benjamina*	210	6	7	FELL	FELL	FELL	
3503	T2995	3503	811663.799	819498.4195	垂葉榕	*Ficus benjamina*	180	6	7	FELL	FELL	FELL	
3503	T2996	3503	811666.3258	819491.4093	垂葉榕	*Ficus benjamina*	110	2	5	FELL	FELL	FELL	
3503	T2997	3503	811668.146	819488.1384	垂葉榕	*Ficus benjamina*	120	3	5	FELL	FELL	FELL	
3503	T2998	3503	811671.1243	819485.7112	垂葉榕	*Ficus benjamina*	110	2	5	FELL	FELL	FELL	
3503	T3001	3503	811668.9877	819478.4861	鐵刀木	*Senna siamea*	220	6	10	FELL	FELL	FELL	
3503	T3002	3503	811671.8945	819481.3156	鐵刀木	*Senna siamea*	125	4	7	FELL	FELL	FELL	
3503	T3003	3503	811673.8026	819482.5442	垂葉榕	*Ficus benjamina*	110	3	6	FELL	FELL	FELL	
3503	T3004	3503	811675.7389	819483.6615	垂葉榕	*Ficus benjamina*	125	3	6	FELL	FELL	FELL	
3503	T3005	3503	811677.7225	819482.8662	垂葉榕	*Ficus benjamina*	95	3	5	FELL	FELL	FELL	
3503	T3006	3503	811680.0778	819482.066	垂葉榕	*Ficus benjamina*	120	4	6	FELL	FELL	FELL	
3503	T3007	3503	811682.7056	819480.8761	垂葉榕	*Ficus benjamina*	185	5	7	FELL	FELL	FELL	
3503	T3008	3503	811686.6082	819480.8518	垂葉榕	*Ficus benjamina*	170	6	8	FELL	FELL	FELL	
3503	T3009	3503	811689.7741	819479.7525	垂葉榕	*Ficus benjamina*	200	5	7	FELL	FELL	FELL	
3503	T3011	3503	811678.0046	819478.3947	鐵刀木	*Senna siamea*	155	7	10	FELL	FELL	FELL	
3503	T3012	3503	811713.0237	819468.8084	銀樺	*Grevillea robusta*	110	3	4	FELL	FELL	FELL	
3503	T3013	3503	811723.7036	819472.9494	鐵刀木	*Senna siamea*	120	4	5	FELL	FELL	FELL	
3503	T3014	3503	811728.9686	819474.3808	鐵刀木	*Senna siamea*	110	6	7	FELL	FELL	FELL	
3503	T3025	3503	811773.4733	819481.227	鐵刀木	*Senna siamea*	140	6	7	FELL	FELL	FELL	
3503	T3026	3503	811775.2586	819482.4594	鐵刀木	*Senna siamea*	180	7	7	FELL	FELL	FELL	
3503	T3027	3503	811777.4513	819482.3962	紅膠木	*Lophostemon confertus*	125	5	7	FELL	FELL	FELL	
3503	T3029	3503	811811.2023	819502.8837	鐵刀木	*Senna siamea*	215	7	8	FELL	FELL	FELL	
3503	T3030	3508	811607.241	819475.165	鐵刀木	*Senna siamea*	215	5	9	RETAIN	RETAIN	TO-BE-FELLED	Handed over from Contract 3503 to Contractor 3508 in Dec 2021. Change of tree treatment due to conflict with works.
3503	T3030A	3508	811614.052	819464.003	鐵刀木	*Senna siamea*	180	5	9	FELL	RETAIN	TO-BE-FELLED	Handed over from Contract 3503 to Contractor 3508 in Dec 2021. Change of tree treatment due to conflict with works.
3503	T3189	3508	811710.587	819398.281	鐵刀木	*Senna siamea*	155	6	10	RETAIN	RETAIN	FELL	Handed over from Contract 3503 to Contractor 3508 in Dec 2021. Change of tree treatment due to conflict with works.
3503	T3190	3503	811713.0888	819417.0996	鐵刀木	*Senna siamea*	210	8	15	FELL	FELL	FELL	
3503	T3191	3508	811708.031	819411.045	銀樺	*Grevillea robusta*	120	4	6	RETAIN	RETAIN	FELL	Handed over from Contract 3503 to Contractor 3508 in Dec 2021. Change of tree treatment due to conflict with works.
3503	T3193	3503	811702.0131	819412.2825	銀樺	*GREVILLEA ROBUSTA*	155	5	9	FELL	FELL	FELL	
3503	T3194	3508	811699.116	819414.699	銀樺	*Grevillea robusta*	130	4	6	RETAIN	RETAIN	FELL	Handed over from Contract 3503 to Contractor 3508 in Dec 2021. Change of tree treatment due to conflict with works.
3503	T3196	3503	811702.0285	819419.7629	鐵刀木	*Senna siamea*	165	6	12	FELL	FELL	FELL	
3503	T3227	3503	811700.935	819447.6326	紅膠木	*Lophostemon confertus*	125	3	5	FELL	FELL	FELL	
3503	T562	3503	811881.6266	819763.8929	耳果相思	*Acacia auriculiformis*	300	6	10	FELL	FELL	FELL	
3503	T563	3503	811881.7689	819753.8192	耳果相思	*Acacia auriculiformis*	240	6	10	FELL	FELL	FELL	
3503	T564	3503	811889.3323	819739.9014	台灣相思	*Acacia confusa*	300	8	8	FELL	FELL	FELL	
3503	T565	3503	811885.6822	819735.3161	耳果相思	*Acacia auriculiformis*	240	6	8	FELL	FELL	FELL	
3503	T566	3503	811893.1562	819733.4543	耳果相思	*Acacia auriculiformis*	310	7	10	FELL	FELL	FELL	
3503	T568	3503	811899.3509	819709.3941	銀合歡	*Leucaena leucocephala*	325	8	8	FELL	FELL	FELL	
3503	T569	3503	811900.9756	819699.3232	銀合歡	*Leucaena leucocephala*	300	8	8	FELL	FELL	FELL	
3503	T636	3503	811762.2942	819891.578	銀樺	*Grevillea robusta*	115	4	8	FELL	FELL	FELL	
3503	T637	3503	811763.2402	819888.8642	銀樺	*Grevillea robusta*	135	4	8	FELL	FELL	FELL	
3503	T638	3503	811764.0844	819886.4193	銀樺	*Grevillea robusta*	145	4	8	FELL	FELL	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3503	T639	3503	811765.1834	819883.9324	銀樺	*Grevillea robusta*	140	4	10	FELL	FELL	FELL	
3503	T640	3503	811767.1844	819879.9601	鐵刀木	*Senna siamea*	260	9	10	FELL	FELL	FELL	
3503	T641	3503	811768.0325	819878.0379	銀樺	*Grevillea robusta*	115	3	7	FELL	FELL	FELL	
3503	T642	3503	811770.3142	819872.9406	銀樺	*Grevillea robusta*	145	4	8	FELL	FELL	FELL	
3503	T643	3503	811770.9152	819870.4573	銀樺	*Grevillea robusta*	125	4	8	FELL	FELL	FELL	
3503	T644	3503	811770.7072	819868.5772	鐵刀木	*Senna siamea*	210	6	9	FELL	FELL	FELL	
3503	T645	3503	811772.704	819866.9045	銀樺	*Grevillea robusta*	190	5	8	FELL	FELL	FELL	
3503	T646	3503	811774.0805	819863.5729	鐵刀木	*Senna siamea*	190	6	6	FELL	FELL	FELL	
3503	T647	3503	811772.9364	819861.1877	銀樺	*Grevillea robusta*	105	2	4	FELL	FELL	FELL	
3503	T648	3503	811777.0587	819854.2343	鐵刀木	*Senna siamea*	245	7	10	FELL	FELL	FELL	
3503	T649	3503	811778.4854	819851.921	鐵刀木	*Senna siamea*	260	7	9	FELL	FELL	FELL	
3503	T650	3503	811779.3136	819846.9965	鐵刀木	*Senna siamea*	250	6	8	FELL	FELL	FELL	
3503	T651	3503	811779.9751	819841.4906	銀樺	*Grevillea robusta*	210	4	9	FELL	FELL	FELL	
3503	T652	3503	811782.5554	819840.4916	銀樺	*Grevillea robusta*	175	5	10	FELL	FELL	FELL	
3503	T653	3503	811781.9413	819837.0654	鐵刀木	*Senna siamea*	215	8	9	FELL	FELL	FELL	
3503	T654	3503	811784.0636	819835.1722	鐵刀木	*Senna siamea*	190	6	8	FELL	FELL	FELL	
3503	T656	3503	811784.956	819828.7968	銀樺	*Grevillea robusta*	160	3	8	FELL	FELL	FELL	
3503	T657	3503	811786.4555	819828.9715	銀樺	*Grevillea robusta*	190	4	9	FELL	FELL	FELL	
3503	T665	3503	811828.0763	819701.2597	銀樺	*Grevillea robusta*	110	2	6	FELL	FELL	FELL	
3503	T666	3503	811826.0731	819694.1514	銀樺	*Grevillea robusta*	105	3	7	FELL	FELL	FELL	
3503	T667	3503	811827.2089	819690.4866	銀樺	*Grevillea robusta*	145	3	7	FELL	FELL	FELL	
3503	T668	3503	811831.7269	819679.09	銀樺	*Grevillea robusta*	110	3	6	FELL	FELL	FELL	
3503	T669	3503	811834.439	819664.3402	銀樺	*Grevillea robusta*	110	4	7	FELL	FELL	FELL	
3503	T670	3503	811836.7472	819658.5941	銀樺	*Grevillea robusta*	200	4	10	FELL	FELL	FELL	
3503	T671	3503	811837.3882	819653.0066	銀樺	*Grevillea robusta*	145	5	7	FELL	FELL	FELL	
3503	T672	3503	811837.567	819648.2486	銀樺	*Grevillea robusta*	180	4	7	FELL	FELL	FELL	
3503	T675	3503	811817.0486	819730.4167	鐵刀木	*SENNA SIAMEA*	100	3	7	FELL	FELL	FELL	
3503	T677	3503	811818.829	819725.7787	鐵刀木	*Senna siamea*	180	5	7	FELL	FELL	FELL	
3503	T678	3503	811821.1564	819704.7097	黃槿	*Hibiscus tiliaceus*	205	5	5	FELL	FELL	FELL	
3503	T679	3503	811822.2785	819700.2688	黃槿	*Hibiscus tiliaceus*	110	3	4	FELL	FELL	FELL	
3503	T680	3503	811820.2073	819698.0592	黃槿	*Hibiscus tiliaceus*	95	2	3	FELL	FELL	FELL	
3503	T681	3503	811817.9536	819696.8511	黃槿	*Hibiscus tiliaceus*	130	3	4	FELL	FELL	FELL	
3503	T682	3503	811823.4308	819696.916	黃槿	*Hibiscus tiliaceus*	120	4	4	FELL	FELL	FELL	
3503	T683	3503	811826.3931	819686.7894	黃槿	*Hibiscus tiliaceus*	160	5	6	FELL	FELL	FELL	
3503	T684	3503	811825.1633	819676.7568	黃槿	*Hibiscus tiliaceus*	165	5	5	FELL	FELL	FELL	
3503	T689	3503	811833.7284	819653.4138	銀樺	*Grevillea robusta*	140	3	9	FELL	FELL	FELL	
3503	T690	3503	811836.5697	819647.4155	銀樺	*Grevillea robusta*	130	3	6	FELL	FELL	FELL	
3503	T691	3503	811836.892	819640.758	銀樺	*Grevillea robusta*	195	4	9	FELL	FELL	FELL	
3503	T692	3503	811836.5158	819614.4323	垂葉榕	*Ficus benjamina*	205	6	7	FELL	FELL	FELL	
3503	T693	3503	811833.9809	819613.4796	垂葉榕	*Ficus benjamina*	205	6	7	FELL	FELL	FELL	
3503	T694	3503	811831.9495	819612.7264	垂葉榕	*Ficus benjamina*	255	6	7	FELL	FELL	FELL	
3503	T695	3503	811833.8823	819607.2979	垂葉榕	*Ficus benjamina*	165	4	6	FELL	FELL	FELL	
3503	T696	3503	811835.9394	819608.1413	垂葉榕	*Ficus benjamina*	200	4	6	FELL	FELL	FELL	
3503	T697	3503	811839.0658	819609.2891	垂葉榕	*Ficus benjamina*	190	4	6	FELL	FELL	FELL	
3503	T698	3503	811840.7643	819602.4292	垂葉榕	*Ficus benjamina*	215	5	7	FELL	FELL	FELL	
3503	T699	3503	811838.4668	819601.5919	垂葉榕	*Ficus benjamina*	190	5	7	FELL	FELL	FELL	
3503	T700	3503	811835.9245	819600.5875	垂葉榕	*Ficus benjamina*	250	6	7	FELL	FELL	FELL	
3503	T701	3503	811839.9549	819596.8615	垂葉榕	*Ficus benjamina*	210	5	7	FELL	FELL	FELL	
3503	T702	3503	811842.1469	819594.7435	耳果相思	*Acacia auriculiformis*	290	6	10	FELL	FELL	FELL	
3503	T703	3503	811837.4088	819593.5575	垂葉榕	*Ficus benjamina*	235	7	7	FELL	FELL	FELL	
3503	T704	3503	811839.2185	819585.8756	垂葉榕	*Ficus benjamina*	265	8	9	FELL	FELL	FELL	
3503	T705	3503	811831.801	819548.2848	垂葉榕	*Ficus benjamina*	155	5	7	FELL	FELL	FELL	
3503	T706	3503	811832.4036	819547.1106	耳果相思	*Acacia auriculiformis*	125	3	9	FELL	FELL	FELL	
3503	T707	3503	811832.2062	819545.9792	耳果相思	*Acacia auriculiformis*	140	3	9	FELL	FELL	FELL	
3503	T708	3503	811831.5541	819545.6695	耳果相思	*Acacia auriculiformis*	235	5	9	FELL	FELL	FELL	
3503	T709	3503	811828.4242	819547.4772	垂葉榕	*Ficus benjamina*	190	6	7	FELL	FELL	FELL	
3503	T710	3503	811825.1637	819546.3268	垂葉榕	*Ficus benjamina*	140	4	7	FELL	FELL	FELL	
3503	T711	3503	811822.4641	819545.9012	垂葉榕	*Ficus benjamina*	170	4	7	FELL	FELL	FELL	
3503	T712	3503	811820.048	819544.9957	垂葉榕	*Ficus benjamina*	190	6	7	FELL	FELL	FELL	
3503	T713	3503	811821.5465	819538.1386	垂葉榕	*Ficus benjamina*	180	4	5	FELL	FELL	FELL	
3503	T714	3503	811825.1873	819539.5038	垂葉榕	*Ficus benjamina*	150	5	6	FELL	FELL	FELL	
3503	T715	3503	811828.6209	819540.8304	垂葉榕	*Ficus benjamina*	110	3	5	FELL	FELL	FELL	
3503	T718	3503	811829.6561	819538.1053	耳果相思	*Acacia auriculiformis*	175	6	10	FELL	FELL	FELL	
3503	T719	3503	811829.2841	819537.079	耳果相思	*Acacia auriculiformis*	190	4	8	FELL	FELL	FELL	
3503	T720	3503	811827.7935	819532.9051	耳果相思	*Acacia auriculiformis*	295	5	11	FELL	FELL	FELL	
3503	T721	3503	811824.9833	819531.1756	垂葉榕	*Ficus benjamina*	250	6	9	FELL	FELL	FELL	
3503	T722	3503	811826.3862	819528.8965	耳果相思	*Acacia auriculiformis*	170	4	10	FELL	FELL	FELL	
3503	T723	3503	811825.0296	819526.0719	耳果相思	*Acacia auriculiformis*	270	4	10	FELL	FELL	FELL	
3503	T741	3503	811863.281	819624.893	宮粉羊蹄甲	*Bauhinia variegata*	180	5	6	FELL	FELL	FELL	
3503	T742	3503	811863.8422	819621.1064	宮粉羊蹄甲	*Bauhinia variegata*	145	4	5	FELL	FELL	FELL	
3503	T743	3503	811864.0362	819616.2237	宮粉羊蹄甲	*Bauhinia variegata*	180	4	5	FELL	FELL	FELL	
3503	T744	3503	811864.2603	819613.8466	濕地松	*Pinus elliottii*	120	2	6	FELL	FELL	FELL	
3503	T745	3503	811864.3107	819612.2685	濕地松	*Pinus elliottii*	110	3	5	FELL	FELL	FELL	
3503	T746	3503	811864.5279	819608.6838	濕地松	*Pinus elliottii*	120	2	5	FELL	FELL	FELL	
3503	T747	3503	811866.3477	819600.0625	耳果相思	*Acacia auriculiformis*	340	6	9	FELL	FELL	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3503	T751	3503	811885.3647	819613.0168	台灣相思	*Acacia confusa*	170	5	9	FELL	FELL	FELL	
3503	T752	3503	811885.7403	819611.96	台灣相思	*Acacia confusa*	185	5	9	FELL	FELL	FELL	
3503	T753	3503	811886.3905	819612.5858	台灣相思	*Acacia confusa*	145	3	7	FELL	FELL	FELL	
3503	T754	3503	811886.5755	819610.5082	台灣相思	*Acacia confusa*	190	4	8	FELL	FELL	FELL	
3503	T755	3503	811885.4178	819613.7529	台灣相思	*Acacia confusa*	100	3	8	FELL	FELL	FELL	
3503	T756	3503	811886.2295	819614.2155	台灣相思	*Acacia confusa*	95	2	7	FELL	FELL	FELL	
3503	T757	3503	811884.5501	819614.9549	台灣相思	*Acacia confusa*	135	3	9	FELL	FELL	FELL	
3503	T758	3503	811885.1692	819616.4815	台灣相思	*Acacia confusa*	110	3	8	FELL	FELL	FELL	
3503	T759	3503	811885.9032	819616.1757	台灣相思	*Acacia confusa*	105	2	6	FELL	FELL	FELL	
3503	T760	3503	811885.8479	819617.1665	台灣相思	*Acacia confusa*	100	1	5	FELL	FELL	FELL	
3503	T761	3503	811885.6758	819618.0693	台灣相思	*Acacia confusa*	165	5	8	FELL	FELL	FELL	
3503	T762	3503	811884.4044	819620.962	台灣相思	*Acacia confusa*	165	4	8	FELL	FELL	FELL	
3503	T763	3503	811884.975	819621.6593	台灣相思	*Acacia confusa*	135	3	7	FELL	FELL	FELL	
3503	T764	3503	811884.8794	819622.6219	台灣相思	*Acacia confusa*	100	2	6	FELL	FELL	FELL	
3503	T765	3503	811883.1193	819623.1704	台灣相思	*Acacia confusa*	160	5	9	FELL	FELL	FELL	
3503	T766	3503	811883.1991	819622.2865	台灣相思	*Acacia confusa*	105	3	9	FELL	FELL	FELL	
3503	T767	3503	811884.2291	819622.0277	台灣相思	*Acacia confusa*	145	4	9	FELL	FELL	FELL	
3503	T768	3503	811882.1484	819616.1089	耳果相思	*Acacia auriculiformis*	265	6	10	FELL	FELL	FELL	
3503	T769	3503	811880.4934	819624.2423	耳果相思	*Acacia auriculiformis*	250	7	10	FELL	FELL	FELL	
3503	T770	3503	811881.8289	819630.2467	黃花夾竹桃	*Thevetia peruviana*	130	4	4	FELL	FELL	FELL	
3503	T771	3503	811879.2905	819632.1584	黃花夾竹桃	*Thevetia peruviana*	135	5	5	FELL	FELL	FELL	
3503	T772	3503	811878.9684	819631.6994	耳果相思	*Acacia auriculiformis*	220	5	10	FELL	FELL	FELL	
3503	T773	3503	811882.0702	819635.0853	黃花夾竹桃	*Thevetia peruviana*	125	5	4	FELL	FELL	FELL	
3503	T774	3503	811880.297	819638.9309	黃花夾竹桃	*Thevetia peruviana*	240	7	5	FELL	FELL	FELL	
3503	T775	3503	811877.0709	819639.6152	耳果相思	*Acacia auriculiformis*	310	9	11	FELL	FELL	FELL	
3503	T776	3503	811875.0276	819647.2709	大葉相思	*Acacia mangium*	390	8	10	FELL	FELL	FELL	
3503	T789	3503	811841.273	819641.8088	銀樺	*Grevillea robusta*	100	3	5	FELL	FELL	FELL	
3503	T790	3503	811842.2498	819632.8738	銀樺	*Grevillea robusta*	205	4	10	FELL	FELL	FELL	
3503	T791	3503	811842.2014	819628.5416	耳果相思	*Acacia auriculiformis*	205	4	9	FELL	FELL	FELL	
3503	T792	3503	811843.4386	819623.8498	銀樺	*Grevillea robusta*	200	5	9	FELL	FELL	FELL	
3503	T793	3503	811842.3108	819628.8753	銀樺	*Grevillea robusta*	115	3	8	FELL	FELL	FELL	
3503	T794	3503	811843.1885	819618.5265	銀樺	*Grevillea robusta*	100	2	7	FELL	FELL	FELL	
3503	T795	3503	811843.6596	819612.4284	銀樺	*Grevillea robusta*	145	4	9	FELL	FELL	FELL	
3503	T796	3503	811843.6666	819599.8194	銀樺	*Grevillea robusta*	100	2	6	FELL	FELL	FELL	
3503	T797	3503	811843.2603	819594.2444	銀樺	*Grevillea robusta*	100	2	6	FELL	FELL	FELL	
3503	T798	3503	811843.5965	819588.8107	銀樺	*Grevillea robusta*	165	3	9	FELL	FELL	FELL	
3503	T799	3503	811843.3053	819585.8036	銀樺	*Grevillea robusta*	115	2	8	FELL	FELL	FELL	
3503	T800	3503	811841.5196	819575.2359	銀樺	*Grevillea robusta*	145	3	8	FELL	FELL	FELL	
3503	T801	3503	811840.51	819569.2426	銀樺	*Grevillea robusta*	160	4	9	FELL	FELL	FELL	
3503	T802	3503	811838.6529	819567.721	銀樺	*Grevillea robusta*	125	3	7	FELL	FELL	FELL	
3503	T803	3503	811839.4151	819563.2405	銀樺	*GREVILLEA ROBUSTA*	170	3	7	FELL	FELL	FELL	
3503	T805	3503	811835.3023	819550.8619	鐵刀木	*Senna siamea*	260	6	9	FELL	FELL	FELL	
3503	T806	3503	811834.0203	819547.1969	鐵刀木	*Senna siamea*	170	5	8	FELL	FELL	FELL	
3503	T807	3503	811832.9753	819543.6504	鐵刀木	*Senna siamea*	160	5	7	FELL	FELL	FELL	
3503	T808	3503	811828.865	819534.9118	銀樺	*Grevillea robusta*	140	6	12	FELL	FELL	FELL	
3503	T809	3503	811827.273	819526.0796	鐵刀木	*Senna siamea*	145	4	6	FELL	FELL	FELL	
3503	T810	3503	811825.3367	819522.3289	鐵刀木	*Senna siamea*	125	3	6	FELL	FELL	FELL	
3503	T812	3503	811844.476	819472.355	細葉榕	*Ficus microcarpa*	465	8	14	TRANSPLANT	TRANSPLANTED	TRANSPLANTED	
3503	T813	3508	811843.473	819476.373	細葉榕	*Ficus microcarpa*	540	12	14	RETAIN	RETAIN	RETAIN	
3503	T814	3503	811848.091	819476.008	細葉榕	*Ficus microcarpa*	435	8	14	TRANSPLANT	TRANSPLANTED	TRANSPLANTED	
3503	T815	3503	811847.561	819480.942	細葉榕	*Ficus microcarpa*	475	8	14	TRANSPLANT	TRANSPLANTED	TRANSPLANTED	
3503	T816	3503	811851.615	819479.6995	細葉榕	*Ficus microcarpa*	370	8	14	FELL	FELL	FELL	
3503	T817	3503	811852.4927	819483.8324	細葉榕	*Ficus microcarpa*	446	12	12	FELL	FELL	FELL	
3503	T818	3503	811857.692	819472.1271	細葉榕	*Ficus microcarpa*	1000	12	12	FELL	FELL	FELL	
3503	T819	3503	811867.3128	819477.67	細葉榕	*Ficus microcarpa*	730	12	14	FELL	FELL	FELL	
3503	T820	3503	811865.755	819467.469	鳳凰木	*Delonix regia*	300	7	9	FELL	FELL	FELL	
3503	T821	3503	811873.354	819471.072	鳳凰木	*Delonix regia*	340	6	7	FELL	FELL	FELL	
3503	T824	3503	811871.6048	819451.0912	細葉榕	*Ficus microcarpa*	1000	12	12	FELL	FELL	FELL	
3503	T825	3503	811862.967	819445.3242	細葉榕	*Ficus microcarpa*	950	10	12	FELL	FELL	FELL	
3503	T827	3503	811852.5277	819447.9131	細葉榕	*Ficus microcarpa*	900	12	10	FELL	FELL	FELL	
3503	T828	3503	811840.1687	819448.4583	細葉榕	*Ficus microcarpa*	450	12	10	FELL	FELL	FELL	
3503	T829	3503	811834.950	819450.478	細葉榕	*Ficus microcarpa*	450	10	12	TRANSPLANT	TRANSPLANTED	TRANSPLANTED	
3503	T830	3503	811837.974	819454.637	細葉榕	*Ficus microcarpa*	425	8	12	TRANSPLANT	TRANSPLANTED	TRANSPLANTED	
3503	T831	3503	811833.979	819457.520	細葉榕	*Ficus microcarpa*	385	8	12	TRANSPLANT	TRANSPLANTED	TRANSPLANTED	
3503	T832	3503	811837.5654	819459.683	細葉榕	*Ficus microcarpa*	450	12	12	FELL	FELL	FELL	
3503	T833	3508	811834.113	819463.663	細葉榕	*Ficus microcarpa*	550	10	12	RETAIN	RETAIN	RETAIN	
3503	T834	3508	811841.579	819461.552	羅漢松	*Podocarpus macrophyllus*	310	4	6	RETAIN	RETAIN	RETAIN	
3503	T835	3503	811844.795	819460.472	羅漢松	*Podocarpus macrophyllus*	135	3	4	TRANSPLANT	TRANSPLANTED	TRANSPLANTED	
3503	T836	3503	811846.862	819461.371	羅漢松	*Podocarpus macrophyllus*	100	2	4	TRANSPLANT	TRANSPLANTED	TRANSPLANTED	
3503	T837	3503	811850.223	819459.190	羅漢松	*Podocarpus macrophyllus*	150	3	6	FELL	FELL	FELL	
3503	T838	3503	811847.6852	819459.637	羅漢松	*Podocarpus macrophyllus*	100	2	5	TRANSPLANT	TRANSPLANTED	TRANSPLANTED	
3508	A1	3508	812011.519	819369.687	旅人蕉	*Ravenala madagascariensis*	215	5	6	*	*	FELL	
3508	A142	3508	811707.362	819394.046	銀合歡	*Leucaena leucocephala*	136	6	4	*	*	FELL	
3508	A143	3508	819391.345	811700.914	銀合歡	*Leucaena leucocephala*	127	6	3	*	*	FELL	
3508	A144	3508	811686.836	819406.606	黃槿	*Hibiscus tiliaceus*	300	4	5	*	*	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3508	A145	3508	811693.172	819405.948	瀉樟樹	*Litsea glutinosa*	98	5	3	*	*	FELL	
3508	A146	3508	811703.342	819397.118	紅膠木	*Lophostemon confertus*	103	6	3	*	*	FELL	
3508	A147	3508	811698.518	819398.269	台灣相思	*Acacia confusa*	185	6	5	*	*	FELL	
3508	A148	3508	811695.524	819399.11	瀉樟樹	*Litsea glutinosa*	99	6	4	*	*	FELL	
3508	A149	3508	811716.23	819383.221	宮粉羊蹄甲	*Bauhinia variegata*	157	6	4	*	*	FELL	
3508	A150	3508	811717.379	81999378.56	瀉樟樹	*Litsea glutinosa*	100	6	3	*	*	FELL	
3508	A151	3508	811724.258	819374.112	洋紫荊	*Bauhinia x blakeana*	98	5	3	*	*	FELL	
3508	A2	3508	812014.845	879315.476	椰子	*Cocos nucifera*	282	4	7	*	*	RETAIN	
3508	T1236	3508	811951.432	819465.22	旅人蕉	Ravenala madagascariensis	200	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1237	3508	811950.932	819466.17	旅人蕉	Ravenala madagascariensis	240	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1238	3508	811950.258	819465.774	旅人蕉	Ravenala madagascariensis	210	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1239	3508	811949.186	819464.353	旅人蕉	Ravenala madagascariensis	205	2	4	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1240	3508	811950.534	819463.95	旅人蕉	Ravenala madagascariensis	240	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1241	3508	811951.337	819464.358	旅人蕉	Ravenala madagascariensis	270	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1244	3508	811949.156	819462.48	旅人蕉	Ravenala madagascariensis	220	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1245	3508	811948.447	819462.922	旅人蕉	Ravenala madagascariensis	290	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1246	3508	811948.085	819463.697	旅人蕉	Ravenala madagascariensis	210	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1248	3508	811946.05	819464.03	旅人蕉	Ravenala madagascariensis	220	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1249	3508	811945.355	819463.638	旅人蕉	Ravenala madagascariensis	220	2	4	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1261	3508	811937.418	819455.235	旅人蕉	Ravenala madagascariensis	210	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1262	3508	811937.655	819457.269	旅人蕉	Ravenala madagascariensis	215	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1263	3508	811938.507	819456.742	旅人蕉	Ravenala madagascariensis	190	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1264	3508	811938.728	819455.422	旅人蕉	Ravenala madagascariensis	255	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1265	3508	811939.361	819456.368	旅人蕉	Ravenala madagascariensis	220	2	4	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1267	3508	811940.256	819457.636	旅人蕉	Ravenala madagascariensis	255	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1268	3508	811941.614	819458.577	旅人蕉	Ravenala madagascariensis	220	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1269	3508	811943.616	819460.29	旅人蕉	Ravenala madagascariensis	330	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1270	3508	811945.717	819461.351	旅人蕉	Ravenala madagascariensis	240	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1270B	3508	811947.14	819456.731	苦楝	*Melia azedarach*	234	2	8	*	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1271	3508	811945.432	819462.478	旅人蕉	Ravenala madagascariensis	240	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1272	3508	811944.617	819462.221	旅人蕉	Ravenala madagascariensis	290	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1273	3508	811943.837	819461.793	旅人蕉	Ravenala madagascariensis	290	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1274	3508	811942.187	819460.257	旅人蕉	Ravenala madagascariensis	215	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1275	3508	811941.574	819459.926	旅人蕉	Ravenala madagascariensis	290	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1276	3508	811941.009	819459.48	旅人蕉	*Ravenala madagascariensis*	140	2	4	RETAIN	NA	MISSING	Found missing during initial tree survey
3508	T1277	3508	811940.2881	819458.8344	旅人蕉	Ravenala madagascariensis	245	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1279	3508	811939.4901	819458.4649	旅人蕉	Ravenala madagascariensis	230	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1282	3508	811934.699	819452.582	旅人蕉	Ravenala madagascariensis	260	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1283	3508	811934.555	819451.536	旅人蕉	Ravenala madagascariensis	200	2	4	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1284	3508	811932.968	819451.255	旅人蕉	Ravenala madagascariensis	220	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1285	3508	811932.277	819450.194	旅人蕉	Ravenala madagascariensis	175	2	4	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1286	3508	811931.796	819449.509	旅人蕉	Ravenala madagascariensis	220	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1287	3508	811931.117	819448.93	旅人蕉	Ravenala madagascariensis	255	2	4	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1288	3508	811930.867	819448.151	旅人蕉	Ravenala madagascariensis	190	2	4	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1289	3508	811929.999	819446.7	旅人蕉	Ravenala madagascariensis	260	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1290	3508	811929.496	819445.855	旅人蕉	*Ravenala madagascariensis*	180	2	5	RETAIN	NA	MISSING	Found missing during initial tree survey
3508	T1291	3508	811929.157	819445.115	旅人蕉	Ravenala madagascariensis	240	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1292	3508	811928.624	819444.401	旅人蕉	Ravenala madagascariensis	200	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1293	3508	811928.242	819442.335	旅人蕉	Ravenala madagascariensis	320	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1294	3508	811928.566	819441.163	旅人蕉	Ravenala madagascariensis	220	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1296	3508	811927.611	819439.632	旅人蕉	Ravenala madagascariensis	200	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1297	3508	811926.955	819439.904	旅人蕉	Ravenala madagascariensis	230	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1298	3508	811925.706	819440.422	旅人蕉	Ravenala madagascariensis	200	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1299	3508	811924.824	819438.608	旅人蕉	*Ravenala madagascariensis*	255	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1300	3508	811924.499	819437.856	旅人蕉	*Ravenala madagascariensis*	165	2	4	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1301	3508	811924.138	819437.015	旅人蕉	*Ravenala madagascariensis*	210	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1302	3508	811924.243	819435.803	旅人蕉	*Ravenala madagascariensis*	215	3	6	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1303	3508	811924.1	819435.069	旅人蕉	*Ravenala madagascariensis*	265	3	6	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1304	3508	811924.619	819434.669	旅人蕉	*Ravenala madagascariensis*	320	3	6	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1305	3508	811925.219	819435.261	旅人蕉	*Ravenala madagascariensis*	215	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1306	3508	811926.558	819435.816	旅人蕉	*Ravenala madagascariensis*	215	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1307	3508	811927.571	819437.299	旅人蕉	*Ravenala madagascariensis*	260	3	6	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1308	3508	811926.073	819436.95	旅人蕉	*Ravenala madagascariensis*	300	3	6	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1309	3508	811926.178	819438.326	旅人蕉	*Ravenala madagascariensis*	260	3	6	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1311	3508	811928.595	819439.056	旅人蕉	*Ravenala madagascariensis*	200	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1312	3508	811929.597	819440.581	旅人蕉	*Ravenala madagascariensis*	190	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1313	3508	811930.015	819441.357	旅人蕉	*Ravenala madagascariensis*	190	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1314	3508	811929.186	819441.74	旅人蕉	*Ravenala madagascariensis*	170	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1315	3508	811930.532	819442.38	旅人蕉	*Ravenala madagascariensis*	255	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1316	3508	811931.821	819443.589	旅人蕉	*Ravenala madagascariensis*	300	2	6	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1317	3508	811932.197	819444.38	旅人蕉	*Ravenala madagascariensis*	175	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1318	3508	811933.066	819445.972	旅人蕉	*Ravenala madagascariensis*	200	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1320	3508	811934.405	819448.343	旅人蕉	*Ravenala madagascariensis*	220	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1321	3508	811935.366	819449.96	旅人蕉	*Ravenala madagascariensis*	255	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1322	3508	811935.955	819450.822	旅人蕉	*Ravenala madagascariensis*	250	2	6	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3508	T1323	3508	811935.539	819452.067	旅人蕉	*Ravenala madagascariensis*	230	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1327	3508	811933.085	819449.616	旅人蕉	*Ravenala madagascariensis*	270	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1328	3508	811932.494	819448.234	旅人蕉	*Ravenala madagascariensis*	240	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1329	3508	811932.029	819447.54	旅人蕉	*Ravenala madagascariensis*	285	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1330	3508	811931.222	819446.265	旅人蕉	*Ravenala madagascariensis*	220	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1331	3508	811930.509	819445.466	旅人蕉	*Ravenala madagascariensis*	255	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1332	3508	811930.2	819444.687	旅人蕉	*Ravenala madagascariensis*	215	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1333	3508	811930.235	819443.451	旅人蕉	*Ravenala madagascariensis*	240	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1377	3508	811483.52	820111.47	台灣相思	*Acacia confusa*	120	4	5	RETAIN	NA	REMOVED	Removed due to damage by typhoon Mangkhut (17 Sept 2018).
3508	T1383	3508	811484.94	820118.79	黃槿	*Hibiscus tiliaceus*	120	1	1	RETAIN	NA	REMOVED	Removed due to damage by typhoon Mangkhut (17 Sept 2018)
3508	T1405	3508	811510.841	820137.951	銀合歡	*Leucaena leucocephala*	120	1	2	RETAIN	NA	MISSING	Found missing during initial tree survey
3508	T1405A	3508	811774.025	819300.863	台灣相思	*Acacia confusa*	180	3	6	FELL	FELL	FELL	
3508	T1406A	3508	811774.709	819300.774	耳果相思	*Acacia auriculiformis*	305	6	12	FELL	FELL	FELL	
3508	T1407A	3508	811773.852	819303.562	台灣相思	*Acacia confusa*	195	4	10	FELL	FELL	FELL	
3508	T1408	3508	811777.131	819308.69	台灣相思	*Acacia confusa*	160	4	10	FELL	FELL	FELL	
3508	T1409	3508	811780.368	819309.182	耳果相思	*Acacia auriculiformis*	230	4	12	FELL	FELL	FELL	
3508	T1410A	3508	811778.834	819311.458	苦楝	*Melia azedarach*	275	4	12	FELL	FELL	FELL	
3508	T1411A	3508	811780.185	819314.314	台灣相思	*Acacia confusa*	145	3	7	FELL	FELL	FELL	
3508	T1412A	3508	811783.034	819313.585	耳果相思	*Acacia auriculiformis*	240	5	11	FELL	FELL	FELL	
3508	T1413A	3508	811782.069	819317.003	台灣相思	*Acacia confusa*	205	4	9	FELL	FELL	FELL	
3508	T1416A	3508	811786.869	819324.217	台灣相思	*Acacia confusa*	205	4	9	FELL	FELL	FELL	
3508	T1418A	3508	811788.345	819326.73	苦楝	*Melia azedarach*	205	5	12	FELL	FELL	FELL	
3508	T1419	3508	811789.486	819327.468	苦楝	*Melia azedarach*	300	8	12	FELL	FELL	FELL	
3508	T1420	3508	811790.446	819329.505	台灣相思	*Acacia confusa*	170	6	8	FELL	FELL	FELL	
3508	T1421	3508	811791.237	819327.128	台灣相思	*Acacia confusa*	175	5	9	FELL	FELL	FELL	
3508	T1423	3508	811791.696	819331.913	苦楝	*Melia azedarach*	270	6	12	FELL	FELL	FELL	
3508	T1424	3508	811792.984	819333.07	台灣相思	*Acacia confusa*	125	2	6	FELL	FELL	FELL	
3508	T1425	3508	811793.522	819333.981	台灣相思	*Acacia confusa*	145	4	9	FELL	FELL	FELL	
3508	T1429	3508	811794.895	819337.465	苦楝	*Melia azedarach*	350	1	1	FELL	NA	FELL	
3508	T1430	3508	811796.24	819340.331	苦楝	*Melia azedarach*	265	8	10	FELL	FELL	FELL	
3508	T1431	3508	811797.401	819340.423	紅膠木	*Lophostemon confertus*	105	3	6	FELL	FELL	FELL	
3508	T1432	3508	811797.989	819342.986	台灣相思	*Acacia confusa*	160	4	8	FELL	FELL	FELL	
3508	T1433	3508	811799.895	819344.938	紅膠木	*Lophostemon confertus*	115	4	5	FELL	FELL	FELL	
3508	T1434	3508	811799.719	819345.603	苦楝	*Melia azedarach*	320	5	10	FELL	FELL	FELL	
3508	T1437	3508	811803.951	819349.669	苦楝	*Melia azedarach*	250	6	12	FELL	FELL	FELL	
3508	T1438	3508	811804.925	819351.554	苦楝	*Melia azedarach*	150	4	6	FELL	FELL	FELL	
3508	T1439	3508	811805.739	819352.436	苦楝	*Melia azedarach*	350	8	12	FELL	FELL	FELL	
3508	T1440	3508	811802.891	819351.494	台灣相思	*Acacia confusa*	160	3	6	FELL	FELL	FELL	
3508	T1441A	3508	811804.654	819354.468	台灣相思	*Acacia confusa*	170	3	6	FELL	FELL	FELL	
3508	T1442A	3508	811806.079	819357.49	苦楝	*Melia azedarach*	215	5	12	FELL	FELL	FELL	
3508	T1443A	3508	811807.735	819360.366	苦楝	*Melia azedarach*	350	8	12	FELL	FELL	FELL	
3508	T1444A	3508	811809.276	819363.503	苦楝	*Melia azedarach*	320	10	10	FELL	FELL	FELL	
3508	T1445A	3508	811823.746	819344.693	台灣相思	*Acacia confusa*	235	8	12	FELL	FELL	FELL	
3508	T1446A	3508	811822.287	819342.18	苦楝	*Melia azedarach*	205	8	12	FELL	FELL	FELL	
3508	T1447A	3508	811815.695	819338.36	耳果相思	*Acacia auriculiformis*	265	6	11	FELL	FELL	FELL	
3508	T1448A	3508	811818.224	819336.991	台灣相思	*Acacia confusa*	175	4	8	FELL	FELL	FELL	
3508	T1449A	3508	811818.995	819336.91	台灣相思	*Acacia confusa*	320	8	12	FELL	FELL	FELL	
3508	T1450A	3508	811817.437	819334.836	耳果相思	*Acacia auriculiformis*	215	8	10	FELL	FELL	FELL	
3508	T1452A	3508	811812.384	819326.2	台灣相思	*Acacia confusa*	345	8	12	FELL	FELL	FELL	
3508	T1453A	3508	811810.122	819324.896	苦楝	*Melia azedarach*	190	6	10	FELL	FELL	FELL	
3508	T1454A	3508	811809.509	819323.894	苦楝	*Melia azedarach*	295	6	14	FELL	FELL	FELL	
3508	T1455A	3508	811807.152	819325.754	耳果相思	*Acacia auriculiformis*	225	8	12	FELL	FELL	FELL	
3508	T1457A	3508	811806.964	819319.115	台灣相思	*Acacia confusa*	205	7	12	FELL	FELL	FELL	
3508	T1458A	3508	811806.64	819317.457	台灣相思	*Acacia confusa*	95	3	8	FELL	FELL	FELL	
3508	T1459A	3508	811805.755	819317.146	台灣相思	*Acacia confusa*	190	6	10	FELL	FELL	FELL	
3508	T1460A	3508	811805.329	819316.167	台灣相思	*Acacia confusa*	155	6	12	FELL	FELL	FELL	
3508	T1461A	3508	811804.911	819317.042	台灣相思	*Acacia confusa*	135	4	8	FELL	FELL	FELL	
3801	T1462	3508	811455.842	820110.939	大葉相思	*Acacia mangium*	290	7	12	FELL	RETAIN	REMOVED	Previously tagged as "CT1462". Removed due to safety concern of Airport Express Line (AEL) operation in Oct 2021.
3508	T1462A	3508	811804.537	819315.102	台灣相思	*Acacia confusa*	170	4	10	FELL	FELL	FELL	
3801	T1463	3508	811457.807	820109.919	大葉相思	*Acacia mangium*	300	5	12	RETAIN	RETAIN	REMOVED	Previously tagged as "CT1463". Removed due to safety concern of Airport Express Line (AEL) operation in Oct 2021.
3508	T1463A	3508	811803.783	819314.253	台灣相思	*Acacia confusa*	170	4	9	FELL	FELL	FELL	
3801	T1464	3508	811458.701	820109.731	台灣相思	*Acacia confusa*	120	5	10	RETAIN	RETAIN	REMOVED	Previously tagged as "CT1464". Removed due to safety concern of Airport Express Line (AEL) operation in Oct 2021.
3508	T1464A	3508	811802.874	819314.158	台灣相思	*Acacia confusa*	170	4	9	FELL	FELL	FELL	
3508	T1465A	3508	811802.905	819311.623	楝	*Melia azedarach*	260	6	12	FELL	FELL	FELL	
3801	T1466	3508	811461.003	820109.928	台灣相思	*Acacia confusa*	120	4	10	RETAIN	REMOVED	REMOVED	Previously tagged as "CT1466". Removed due to damage by typhoon Mangkhut (17 Sept 2018).
3508	T1466A	3508	811799.036	819313.178	耳果相思	*Acacia auriculiformis*	380	10	12	FELL	FELL	FELL	
3801	T1467	3508	811459.548	820109.118	台灣相思	*Acacia confusa*	170	5	8	RETAIN	RETAIN	REMOVED	Previously tagged as "CT1467" in C3801. Removed due to safety concern of Airport Express Line (AEL) operation in Oct 2021.
3508	T1467A	3508	811799.243	819308.493	紅膠木	*Lophostemon confertus*	120	4	8	FELL	FELL	FELL	
3508	T1469A	3508	811796.29	819308.829	耳果相思	*Acacia auriculiformis*	240	8	10	FELL	FELL	FELL	
3508	T1471A	3508	811794.421	819300.437	大葉相思	*Acacia mangium*	170	4	8	FELL	FELL	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3508	T1476	3508	811787.154	819290.546	台灣相思	*Acacia confusa*	230	8	12	FELL	FELL	FELL	
3508	T1477	3508	811769.404	819269.417	耳果相思	*Acacia auriculiformis*	260	6	12	FELL	FELL	FELL	
3508	T1478	3508	811934.331	819409.923	旅人蕉	*Ravenala madagascariensis*	220	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1479	3508	811935.653	819409.353	旅人蕉	*Ravenala madagascariensis*	285	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1480	3508	811936.828	819407.401	旅人蕉	*Ravenala madagascariensis*	175	2	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1481	3508	811941.453	819402.796	旅人蕉	*Ravenala madagascariensis*	255	3	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1482	3508	811942.687	819402.386	旅人蕉	*Ravenala madagascariensis*	230	3	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1483	3508	811946.659	819399.578	旅人蕉	*Ravenala madagascariensis*	220	3	5	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1484	3508	811946.896	819400.401	旅人蕉	*Ravenala madagascariensis*	300	3	6	RETAIN	NA	REMOVED	Removed due to tree felling for CLP cable laying works in July 2021.
3508	T1491	3508	811990.215	819347.091	椰子	*Cocos nucifera*	285	4	6	RETAIN	NA	RETAIN	
3508	T1492	3508	811991.883	819349.564	椰子	*Cocos nucifera*	285	4	6	RETAIN	NA	RETAIN	
3508	T1493	3508	811989.307	819351.254	椰子	*Cocos nucifera*	280	4	6	TRANSPLANT	NA	TRANSPLANTED	
3508	T1494	3508	811993.551	819351.991	椰子	*Cocos nucifera*	285	4	6	TRANSPLANT	NA	TRANSPLANTED	
3508	T1495	3508	811992.617	819356.109	椰子	*Cocos nucifera*	230	4	6	TRANSPLANT	NA	TRANSPLANTED	
3508	T1496	3508	811994.227	819358.466	椰子	*Cocos nucifera*	285	4	6	TRANSPLANT	NA	TRANSPLANTED	
3508	T1497	3508	811995.885	819360.927	椰子	*Cocos nucifera*	310	4	6	TRANSPLANT	NA	TRANSPLANTED	
3508	T1498	3508	811998.599	819359.242	椰子	*Cocos nucifera*	285	4	6	TRANSPLANT	NA	TRANSPLANTED	
3508	T1499	3508	812000.382	819361.73	椰子	*Cocos nucifera*	285	4	6	TRANSPLANT	NA	TRANSPLANTED	
3508	T1500	3508	812002.163	819364.494	椰子	*Cocos nucifera*	285	4	6	TRANSPLANT	NA	TRANSPLANTED	
3508	T1501	3508	812003.526	819366.622	椰子	*Cocos nucifera*	285	4	6	TRANSPLANT	NA	TRANSPLANTED	
3508	T1502	3508	812001.218	819368.586	椰子	*Cocos nucifera*	285	4	6	TRANSPLANT	NA	TRANSPLANTED	
3508	T1503	3508	812002.906	819371.18	椰子	*Cocos nucifera*	260	4	6	TRANSPLANT	NA	TRANSPLANTED	
3508	T1504	3508	812005.411	819369.3	椰子	*Cocos nucifera*	285	4	6	TRANSPLANT	NA	TRANSPLANTED	
3508	T1506	3508	812006.324	819375.896	椰子	*Cocos nucifera*	255	4	6	RETAIN	NA	RETAIN	
3508	T1507	3508	812008.042	819378.517	椰子	*Cocos nucifera*	250	4	6	RETAIN	NA	RETAIN	
3508	T1508	3508	812009.773	819381.001	椰子	*Cocos nucifera*	230	4	5	RETAIN	NA	RETAIN	
3508	T1509	3508	812011.488	819383.414	椰子	*Cocos nucifera*	300	4	6	RETAIN	NA	RETAIN	
3508	T1512	3508	812014.255	819386.336	椰子	*Cocos nucifera*	280	4	6	RETAIN	NA	RETAIN	
3508	T1514	3508	812016.634	819391.046	椰子	*Cocos nucifera*	300	4	6	RETAIN	NA	RETAIN	
3508	T1515	3508	812018.437	819393.493	椰子	*Cocos nucifera*	285	4	6	RETAIN	NA	RETAIN	
3508	T1518	3508	812020.135	819395.886	椰子	*Cocos nucifera*	230	4	6	RETAIN	NA	RETAIN	
3508	T1519	3508	812021.876	819398.428	椰子	*Cocos nucifera*	230	4	6	RETAIN	NA	RETAIN	
3508	T1521	3508	812023.537	819401.022	椰子	*Cocos nucifera*	285	4	6	RETAIN	NA	RETAIN	
3508	T1522	3508	812027.183	819406.119	椰子	*Cocos nucifera*	285	4	6	RETAIN	NA	RETAIN	
3508	T1524	3508	812032.541	819413.666	椰子	*Cocos nucifera*	220	4	6	RETAIN	NA	RETAIN	
3508	T1525	3508	812034.273	819416.273	椰子	*Cocos nucifera*	285	4	5	RETAIN	NA	RETAIN	
3508	T1527	3508	812037.898	819421.007	椰子	*Cocos nucifera*	285	4	6	RETAIN	NA	RETAIN	
3508	T1528	3508	812039.583	819423.549	椰子	*Cocos nucifera*	285	4	6	RETAIN	NA	RETAIN	
3508	T1531	3508	812041.338	819426.334	椰子	*Cocos nucifera*	265	4	5	RETAIN	NA	RETAIN	
3508	T1532	3508	812042.917	819428.646	椰子	*Cocos nucifera*	240	4	6	RETAIN	NA	RETAIN	
3508	T1536	3508	812046.331	819433.584	椰子	*Cocos nucifera*	270	4	5	RETAIN	NA	RETAIN	
3508	T3157	3508	811722.863	819371.335	大葉相思	*Acacia mangium*	110	2	7	FELL	NA	FELL	
3508	T3158	3508	811721.163	819371.569	黃槿	*Hibiscus tiliaceus*	135	3	7	FELL	NA	FELL	
3508	T3159	3508	811721.145	819372.531	台灣相思	*Acacia confusa*	150	3	7	FELL	NA	FELL	
3508	T3160	3508	811720.145	819372.855	黃槿	*Hibiscus tiliaceus*	100	3	7	FELL	NA	FELL	
3508	T3161	3508	811721.382	819374.136	台灣相思	*Acacia confusa*	190	6	8	FELL	NA	FELL	
3508	T3162	3508	811720.714	819375.912	台灣相思	*Acacia confusa*	155	3	8	FELL	NA	FELL	
3508	T3163	3508	811722.299	819375.571	台灣相思	*Acacia confusa*	225	6	10	FELL	NA	FELL	
3508	T3165	3508	811724.192	819377.515	宮粉洋蹄甲	*Bauhinia variegata*	105	4	6	FELL	NA	FELL	
3508	T3168	3508	811724.749	819383.442	台灣相思	*Acacia confusa*	285	8	10	FELL	NA	FELL	
3508	T3169	3508	811722.095	819386.336	潺槁樹	*Litsea glutinosa*	100	4	6	FELL	NA	FELL	
3508	T3170	3508	811721.285	819386.955	大葉相思	*Acacia mangium*	170	4	8	FELL	NA	FELL	
3508	T3171	3508	811720.311	819387.349	大葉相思	*Acacia mangium*	215	6	10	FELL	NA	FELL	
3508	T3172	3508	811721.558	819386.087	大葉相思	*Acacia mangium*	270	6	10	FELL	NA	FELL	
3508	T3173	3508	811718.255	819386.706	大葉相思	*Acacia mangium*	125	4	9	FELL	NA	FELL	
3508	T3174	3508	811719.675	819385.118	大葉相思	*Acacia mangium*	115	1	0	FELL	NA	FELL	
3508	T3176	3508	811717.544	819386.181	大葉相思	*Acacia mangium*	205	4	9	FELL	NA	FELL	
3508	T3177	3508	811719.098	819381.592	台灣相思	*Acacia confusa*	210	6	10	FELL	NA	FELL	
3508	T3178	3508	811714.848	819381.594	台灣相思	*Acacia confusa*	150	6	9	FELL	NA	FELL	
3508	T3179	3508	811713.955	819381.559	台灣相思	*Acacia confusa*	220	6	9	FELL	NA	FELL	
3508	T3180	3508	811715.391	819378.192	台灣相思	*Acacia confusa*	165	6	10	FELL	NA	FELL	
3508	T3181	3508	811715.95	819376.568	台灣相思	*Acacia confusa*	135	4	10	FELL	NA	FELL	
3508	T3183	3508	811719.177	819377.271	台灣相思	*Acacia confusa*	155	4	10	FELL	NA	FELL	
3508	T3211	3508	811697.113	819405.346	台灣相思	*Acacia confusa*	290	8	9	FELL	NA	FELL	
3508	T3212	3508	811696.127	819402.697	潺槁樹	*Litsea glutinosa*	120	3	7	FELL	NA	FELL	
3508	T3213	3508	811696.559	819401.431	苦楝	*Melia azedarach*	155	5	7	FELL	NA	FELL	
3508	T3214	3508	811701.332	819397.298	宮粉洋蹄甲	*Bauhinia variegata*	170	7	7	FELL	NA	FELL	
3508	T3215	3508	811708.882	819395.503	大葉相思	*Acacia mangium*	180	6	10	FELL	NA	FELL	
3508	T3216	3508	811708.785	819394.555	大葉相思	*Acacia mangium*	235	6	10	FELL	NA	FELL	
3508	T3217	3508	811705.023	819394.006	大葉相思	*Acacia mangium*	180	4	7	FELL	NA	FELL	
3508	T3218	3508	811707.126	819392.027	苦楝	*Melia azedarach*	115	3	7	FELL	NA	FELL	
3508	T3219	3508	811707.871	819391.142	潺槁樹	*Litsea glutinosa*	100	3	5	FELL	NA	FELL	
3508	T3241	3508	811784.996	819372.228	旅人蕉	*Ravenala madagascariensis*	195	2	5	FELL	FELL	FELL	
3508	T3242	3508	811784.572	819370.879	旅人蕉	*Ravenala madagascariensis*	190	2	5	FELL	FELL	FELL	
3508	T3243	3508	811783.564	819371.308	旅人蕉	*Ravenala madagascariensis*	205	3	7	FELL	FELL	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3508	T3244	3508	811782.355	819371.912	旅人蕉	*Ravenala madagascariensis*	250	3	7	FELL	FELL	FELL	
3508	T3245	3508	811781.988	819371.135	旅人蕉	*Ravenala madagascariensis*	225	2	7	FELL	FELL	FELL	
3508	T3246	3508	811781.333	819371.272	旅人蕉	*Ravenala madagascariensis*	205	2	5	FELL	FELL	FELL	
3508	T3247	3508	811781.182	819370.349	旅人蕉	*Ravenala madagascariensis*	180	2	5	FELL	FELL	FELL	
3508	T3249	3508	811779.345	819371.573	旅人蕉	*Ravenala madagascariensis*	190	2	4	FELL	FELL	FELL	
3508	T3251	3508	811779.58	819369.814	旅人蕉	*Ravenala madagascariensis*	225	2	5	FELL	FELL	FELL	
3508	T3252	3508	811778.849	819369.583	旅人蕉	*Ravenala madagascariensis*	300	3	6	FELL	FELL	FELL	
3508	T3253	3508	811778.456	819371.121	旅人蕉	*Ravenala madagascariensis*	240	2	5	FELL	FELL	FELL	
3508	T3254	3508	811778.312	819371.932	旅人蕉	*Ravenala madagascariensis*	160	1	4	FELL	FELL	FELL	
3508	T3257	3508	811776.588	819367.776	旅人蕉	*Ravenala madagascariensis*	320	3	6	FELL	FELL	FELL	
3508	T3258	3508	811775.177	819367.931	旅人蕉	*Ravenala madagascariensis*	185	2	5	FELL	FELL	FELL	
3508	T3259	3508	811775.361	819369.156	旅人蕉	*Ravenala madagascariensis*	250	3	5	FELL	FELL	FELL	
3508	T3261	3508	811773.379	819369.093	旅人蕉	*Ravenala madagascariensis*	195	3	5	FELL	FELL	FELL	
3508	T3262	3508	811774.002	819368.351	旅人蕉	*Ravenala madagascariensis*	180	2	5	FELL	FELL	FELL	
3508	T3263	3508	811771.89	819366.486	旅人蕉	*Ravenala madagascariensis*	190	2	4	FELL	FELL	FELL	
3508	T3264	3508	811771.088	819366.016	旅人蕉	*Ravenala madagascariensis*	240	3	7	FELL	FELL	FELL	
3508	T3265	3508	811769.706	819366.018	旅人蕉	*Ravenala madagascariensis*	195	2	5	FELL	FELL	FELL	
3508	T3266	3508	811770.781	819365.088	旅人蕉	*Ravenala madagascariensis*	190	2	4	FELL	NA	MISSING	Found missing during initial tree survey
3508	T3267	3508	811769.313	819365.038	旅人蕉	*Ravenala madagascariensis*	240	3	6	FELL	FELL	FELL	
3508	T3268	3508	811769.131	819363.843	旅人蕉	*Ravenala madagascariensis*	250	4	7	FELL	FELL	FELL	
3508	T3269	3508	811768.539	819363.532	旅人蕉	*Ravenala madagascariensis*	190	2	5	FELL	FELL	FELL	
3508	T3270	3508	811767.228	819363.494	旅人蕉	*Ravenala madagascariensis*	275	4	7	FELL	FELL	FELL	
3508	T3271	3508	811766.091	819363.28	旅人蕉	*Ravenala madagascariensis*	195	4	6	FELL	FELL	FELL	
3508	T3272	3508	811766.769	819362.548	旅人蕉	*Ravenala madagascariensis*	190	2	4	FELL	FELL	FELL	
3508	T3274	3508	811765.133	819362.515	旅人蕉	*Ravenala madagascariensis*	175	3	6	FELL	FELL	FELL	
3508	T3275	3508	811766.086	819361.46	旅人蕉	*Ravenala madagascariensis*	265	4	7	FELL	FELL	FELL	
3508	T3276	3508	811763.267	819362.075	旅人蕉	*Ravenala madagascariensis*	215	4	7	FELL	FELL	FELL	
3508	T3277	3508	811763.26	819362.943	旅人蕉	*Ravenala madagascariensis*	225	4	7	FELL	FELL	FELL	
3508	T3278	3508	811762.231	819362.993	旅人蕉	*Ravenala madagascariensis*	210	4	7	FELL	FELL	FELL	
3508	T3280	3508	811761.398	819362.354	旅人蕉	*Ravenala madagascariensis*	180	4	6	FELL	FELL	FELL	
3508	T3281	3508	811761.25	819360.106	旅人蕉	*Ravenala madagascariensis*	210	3	6	FELL	FELL	FELL	
3508	T3282	3508	811760.004	819359.739	旅人蕉	*Ravenala madagascariensis*	180	3	6	FELL	NA	MISSING	Found missing during initial tree survey
3508	T3283	3508	811759.698	819360.757	旅人蕉	*Ravenala madagascariensis*	220	4	7	FELL	FELL	FELL	
3508	T3284	3508	811759.299	819361.152	旅人蕉	*Ravenala madagascariensis*	215	4	7	FELL	FELL	FELL	
3508	T3285	3508	811758.618	819360.88	旅人蕉	*Ravenala madagascariensis*	210	5	7	FELL	FELL	FELL	
3508	T3286	3508	811758.691	819360.538	旅人蕉	*Ravenala madagascariensis*	240	5	7	FELL	FELL	FELL	
3508	T3287	3508	811762.395	819358.787	旅人蕉	*Ravenala madagascariensis*	190	4	6	FELL	FELL	FELL	
3508	T3288	3508	811759.039	819358.441	旅人蕉	*Ravenala madagascariensis*	230	4	7	FELL	FELL	FELL	
3508	T3289	3508	811758.127	819358.081	旅人蕉	*Ravenala madagascariensis*	225	2	4	FELL	FELL	FELL	
3508	T3290	3508	811757.34	819357.477	旅人蕉	*Ravenala madagascariensis*	170	3	6	FELL	FELL	FELL	
3508	T3291	3508	811757.98	819356.907	旅人蕉	*Ravenala madagascariensis*	200	4	6	FELL	FELL	FELL	
3508	T3292	3508	811759.728	819357.014	旅人蕉	*Ravenala madagascariensis*	260	3	6	FELL	FELL	FELL	
3508	T3293	3508	811758.928	819356.538	旅人蕉	*Ravenala madagascariensis*	260	3	7	FELL	FELL	FELL	
3508	T3295	3508	811757.189	819356.424	旅人蕉	*Ravenala madagascariensis*	195	4	7	FELL	FELL	FELL	
3508	T3297	3508	811756.592	819355.333	旅人蕉	*Ravenala madagascariensis*	215	4	7	FELL	FELL	FELL	
3508	T3298	3508	811756.309	819353.534	旅人蕉	*Ravenala madagascariensis*	205	2	4	FELL	FELL	FELL	
3508	T3299	3508	811758.065	819353.885	旅人蕉	*Ravenala madagascariensis*	210	4	7	FELL	FELL	FELL	
3508	T3300	3508	811759.973	819354.088	旅人蕉	*Ravenala madagascariensis*	260	4	7	FELL	FELL	FELL	
3508	T3301	3508	811758.85	819353.072	旅人蕉	*Ravenala madagascariensis*	275	4	7	FELL	FELL	FELL	
3508	T3302	3508	811757.3	819352.962	旅人蕉	*Ravenala madagascariensis*	170	2	4	FELL	FELL	FELL	
3508	T3303	3508	811757.191	819352.096	旅人蕉	*Ravenala madagascariensis*	220	3	6	FELL	FELL	FELL	
3508	T3304	3508	811757.087	819351.718	旅人蕉	*Ravenala madagascariensis*	235	4	7	FELL	FELL	FELL	
3508	T3305	3508	811757.216	819350.691	旅人蕉	*Ravenala madagascariensis*	170	2	5	FELL	FELL	FELL	
3508	T3306	3508	811756.398	819350.596	旅人蕉	*Ravenala madagascariensis*	195	3	7	FELL	FELL	FELL	
3508	T3307	3508	811757.131	819350.006	旅人蕉	*Ravenala madagascariensis*	175	3	6	FELL	FELL	FELL	
3508	T3308	3508	811757.886	819350.317	旅人蕉	*Ravenala madagascariensis*	230	4	7	FELL	FELL	FELL	
3508	T3309	3508	811757.174	819349.127	旅人蕉	*Ravenala madagascariensis*	215	4	7	FELL	FELL	FELL	
3508	T3310	3508	811756.203	819349.138	旅人蕉	*Ravenala madagascariensis*	165	2	4	FELL	FELL	FELL	
3508	T3311	3508	811756.135	819348.567	旅人蕉	*Ravenala madagascariensis*	210	3	7	FELL	FELL	FELL	
3508	T3312	3508	811756.021	819347.646	旅人蕉	*Ravenala madagascariensis*	185	2	6	FELL	FELL	FELL	
3508	T3313	3508	811755.943	819346.761	旅人蕉	*Ravenala madagascariensis*	230	3	7	FELL	FELL	FELL	
3508	T3314	3508	811755.74	819345.509	旅人蕉	*Ravenala madagascariensis*	215	4	6	FELL	FELL	FELL	
3508	T3315	3508	811756.436	819345.096	旅人蕉	*Ravenala madagascariensis*	190	4	6	FELL	FELL	FELL	
3508	T3316	3508	811757.139	819345.071	旅人蕉	*Ravenala madagascariensis*	225	4	7	FELL	FELL	FELL	
3508	T3317	3508	811755.759	819344.188	旅人蕉	*Ravenala madagascariensis*	160	2	4	FELL	FELL	FELL	
3508	T3318	3508	811755.53	819343.109	旅人蕉	*Ravenala madagascariensis*	175	3	5	FELL	FELL	FELL	
3508	T3319	3508	811756.33	819342.842	旅人蕉	*Ravenala madagascariensis*	210	3	7	FELL	FELL	FELL	
3508	T3320	3508	811757.238	819342.267	旅人蕉	*Ravenala madagascariensis*	240	4	7	FELL	FELL	FELL	
3508	T3321	3508	811756.174	819341.593	旅人蕉	*Ravenala madagascariensis*	240	4	6	FELL	FELL	FELL	
3508	T3322	3508	811755.457	819341.648	旅人蕉	*Ravenala madagascariensis*	225	4	7	FELL	FELL	FELL	
3508	T3323	3508	811755.869	819339.663	旅人蕉	*Ravenala madagascariensis*	220	4	7	FELL	FELL	FELL	
3508	T3324	3508	811756.684	819338.653	旅人蕉	*Ravenala madagascariensis*	255	4	7	FELL	FELL	FELL	
3508	T3325	3508	811755.798	819338.158	旅人蕉	*Ravenala madagascariensis*	155	2	4	FELL	FELL	FELL	
3508	T3326	3508	811754.877	819336.811	旅人蕉	*Ravenala madagascariensis*	225	4	7	FELL	FELL	FELL	
3508	T3327	3508	811754.671	819335.895	旅人蕉	*Ravenala madagascariensis*	190	4	7	FELL	FELL	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3508	T3329	3508	811756.388	819336.699	旅人蕉	*Ravenala madagascariensis*	240	4	7	FELL	FELL	FELL	
3508	T3330	3508	811756.242	819335.482	旅人蕉	*Ravenala madagascariensis*	290	4	7	FELL	FELL	FELL	
3508	T3331	3508	811756.938	819334.873	旅人蕉	*Ravenala madagascariensis*	295	4	6	FELL	FELL	FELL	
3508	T3332	3508	811757.091	819335.5	旅人蕉	*Ravenala madagascariensis*	215	4	7	FELL	FELL	FELL	
3508	T3333	3508	811757.537	819336.435	旅人蕉	*Ravenala madagascariensis*	250	4	7	FELL	FELL	FELL	
3508	T3334	3508	811757.404	819337.117	旅人蕉	*Ravenala madagascariensis*	195	3	5	FELL	FELL	FELL	
3508	T3335	3508	811757.6	819337.982	旅人蕉	*Ravenala madagascariensis*	155	4	6	FELL	FELL	FELL	
3508	T3336	3508	811758.023	819338.924	旅人蕉	*Ravenala madagascariensis*	270	4	7	FELL	FELL	FELL	
3508	T3337	3508	811758.152	819340.682	旅人蕉	*Ravenala madagascariensis*	170	2	5	FELL	FELL	FELL	
3508	T3338	3508	811758.257	819341.327	旅人蕉	*Ravenala madagascariensis*	135	3	6	FELL	FELL	FELL	
3508	T3339	3508	811758.517	819343.514	旅人蕉	*Ravenala madagascariensis*	205	4	6	FELL	FELL	FELL	
3508	T3340	3508	811758.605	819344.168	旅人蕉	*Ravenala madagascariensis*	245	4	7	FELL	FELL	FELL	
3508	T3341	3508	811757.826	819345.021	旅人蕉	*Ravenala madagascariensis*	240	4	7	FELL	FELL	FELL	
3508	T3343	3508	811758.711	819345.938	旅人蕉	*Ravenala madagascariensis*	200	4	7	FELL	FELL	FELL	
3508	T3344	3508	811759.072	819346.491	旅人蕉	*Ravenala madagascariensis*	225	5	7	FELL	FELL	FELL	
3508	T3345	3508	811757.945	819346.755	旅人蕉	*Ravenala madagascariensis*	215	5	9	FELL	FELL	FELL	
3508	T3346	3508	811759.372	819349.598	旅人蕉	*Ravenala madagascariensis*	205	4	9	FELL	FELL	FELL	
3508	T3347	3508	811760.149	819349.718	旅人蕉	*Ravenala madagascariensis*	210	4	8	FELL	FELL	FELL	
3508	T3348	3508	811760.521	819350.578	旅人蕉	*Ravenala madagascariensis*	220	4	8	FELL	FELL	FELL	
3508	T3349	3508	811759.632	819351.472	旅人蕉	*Ravenala madagascariensis*	220	4	8	FELL	FELL	FELL	
3508	T3351	3508	811762.121	819353.723	旅人蕉	*Ravenala madagascariensis*	175	5	8	FELL	FELL	FELL	
3508	T3352	3508	811761.623	819354.983	旅人蕉	*Ravenala madagascariensis*	180	4	6	FELL	FELL	FELL	
3508	T3354	3508	811761.639	819356.48	旅人蕉	*Ravenala madagascariensis*	300	5	9	FELL	FELL	FELL	
3508	T3359	3508	811764.302	819356.455	旅人蕉	*Ravenala madagascariensis*	180	5	7	FELL	FELL	FELL	
3508	T3360	3508	811763.732	819357.017	旅人蕉	*Ravenala madagascariensis*	175	4	7	FELL	FELL	FELL	
3508	T3362	3508	811763.889	819357.764	旅人蕉	*Ravenala madagascariensis*	215	5	9	FELL	FELL	FELL	
3508	T3363	3508	811759.15	819359.067	旅人蕉	*Ravenala madagascariensis*	205	5	8	FELL	NA	MISSING	Found missing during initial tree survey
3508	T3365	3508	811760.324	819363.114	旅人蕉	*Ravenala madagascariensis*	230	4	6	FELL	FELL	FELL	
3508	T3366	3508	811761.428	819363.506	旅人蕉	*Ravenala madagascariensis*	230	3	5	FELL	FELL	FELL	
3508	T3367	3508	811763.679	819359.981	旅人蕉	*Ravenala madagascariensis*	215	5	8	FELL	FELL	FELL	
3508	T3368	3508	811763.718	819359.146	旅人蕉	*Ravenala madagascariensis*	225	5	9	FELL	FELL	FELL	
3508	T3369	3508	811764.646	819359.399	旅人蕉	*Ravenala madagascariensis*	240	5	8	FELL	FELL	FELL	
3508	T3370	3508	811764.844	819360.38	旅人蕉	*Ravenala madagascariensis*	215	5	8	FELL	FELL	FELL	
3508	T3371	3508	811765.707	819358.939	旅人蕉	*Ravenala madagascariensis*	300	6	10	FELL	FELL	FELL	
3508	T3372	3508	811765.346	819357.231	旅人蕉	*Ravenala madagascariensis*	190	4	7	FELL	FELL	FELL	
3508	T3374	3508	811766.017	819358.613	旅人蕉	*Ravenala madagascariensis*	170	5	8	FELL	FELL	FELL	
3508	T3375	3508	811766.919	819359.104	旅人蕉	*Ravenala madagascariensis*	150	1	4	FELL	FELL	FELL	
3508	T3376	3508	811766.847	819359.968	旅人蕉	*Ravenala madagascariensis*	180	4	6	FELL	FELL	FELL	
3508	T3377	3508	811766.274	819360.745	旅人蕉	*Ravenala madagascariensis*	215	4	8	FELL	FELL	FELL	
3508	T3378	3508	811767.684	819360.406	旅人蕉	*Ravenala madagascariensis*	260	5	8	FELL	NA	MISSING	Found missing during initial tree survey
3508	T3381	3508	811768.397	819361.218	旅人蕉	*Ravenala madagascariensis*	255	5	8	FELL	FELL	FELL	
3508	T3382	3508	811768.024	819362.166	旅人蕉	*Ravenala madagascariensis*	235	5	8	FELL	FELL	FELL	
3508	T3383	3508	811769.153	819362.035	旅人蕉	*Ravenala madagascariensis*	220	5	8	FELL	FELL	FELL	
3508	T3384	3508	811770.043	819361.481	旅人蕉	*Ravenala madagascariensis*	240	4	8	FELL	FELL	FELL	
3508	T3385	3508	811770.777	819361.827	旅人蕉	*Ravenala madagascariensis*	205	5	8	FELL	FELL	FELL	
3508	T3386	3508	811771.22	819362.531	旅人蕉	*Ravenala madagascariensis*	170	4	7	FELL	FELL	FELL	
3508	T3387	3508	811771.576	819363.64	旅人蕉	*Ravenala madagascariensis*	190	4	6	FELL	FELL	FELL	
3508	T3389	3508	811772.795	819363.644	旅人蕉	*Ravenala madagascariensis*	240	5	8	FELL	FELL	FELL	
3508	T3390	3508	811772.675	819365.467	旅人蕉	*Ravenala madagascariensis*	210	4	8	FELL	FELL	FELL	
3508	T3391	3508	811773.112	819365.981	旅人蕉	*Ravenala madagascariensis*	180	4	8	FELL	FELL	FELL	
3508	T3392	3508	811774.552	819366.576	旅人蕉	*Ravenala madagascariensis*	225	5	9	FELL	FELL	FELL	
3508	T3393	3508	811775.034	819365.948	旅人蕉	*Ravenala madagascariensis*	265	5	7	FELL	FELL	FELL	
3508	T3394	3508	811775.921	819365.872	旅人蕉	*Ravenala madagascariensis*	205	5	7	FELL	FELL	FELL	
3508	T3396	3508	811777.003	819366.688	旅人蕉	*Ravenala madagascariensis*	260	3	5	FELL	FELL	FELL	
3508	T3397	3508	811777.758	819367.55	旅人蕉	*Ravenala madagascariensis*	210	5	7	FELL	FELL	FELL	
3508	T3398	3508	811777.985	819367.917	旅人蕉	*Ravenala madagascariensis*	220	5	9	FELL	FELL	FELL	
3508	T3401	3508	811780.723	819368.723	旅人蕉	*Ravenala madagascariensis*	240	5	9	FELL	FELL	FELL	
3508	T3402	3508	811781.586	819368.578	旅人蕉	*Ravenala madagascariensis*	275	5	9	FELL	FELL	FELL	
3508	T3403	3508	811782.707	819368.416	旅人蕉	*Ravenala madagascariensis*	225	5	8	FELL	FELL	FELL	
3508	T3406	3508	811783.636	819368.51	旅人蕉	*Ravenala madagascariensis*	190	4	7	FELL	FELL	FELL	
3508	T3407	3508	811783.556	819368.971	旅人蕉	*Ravenala madagascariensis*	165	3	6	FELL	FELL	FELL	
3601	T0001	3601	810205.050	817199.955	耳果相思	*Acacia auriculiformis*	310	5	9	FELL	FELL	FELL	
3601	T0002	3601	810205.460	817196.267	木麻黃	*Casuarina equisetifolia*	110	2	8	FELL	FELL	FELL	
3601	T0003	3601	810207.955	817197.940	木麻黃	*Casuarina equisetifolia*	280	5	10	FELL	FELL	FELL	
3601	T0004	3601	810218.344	817194.593	木麻黃	*Casuarina equisetifolia*	250	4	10	FELL	FELL	FELL	
3601	T0005	3601	810215.500	817192.341	木麻黃	*Casuarina equisetifolia*	240	5	12	FELL	FELL	FELL	
3601	T0006	3601	810211.065	817189.129	木麻黃	*Casuarina equisetifolia*	420	6	10	FELL	FELL	FELL	
3601	T0007	3601	810214.387	817186.798	木麻黃	*Casuarina equisetifolia*	130	2	7	FELL	FELL	FELL	
3601	T0008	3601	810216.777	817184.108	木麻黃	*Casuarina equisetifolia*	100	2	5	FELL	FELL	FELL	
3601	T0009	3601	810212.385	817183.785	木麻黃	*Casuarina equisetifolia*	100	3	6	FELL	FELL	FELL	
3601	T0010	3601	810228.557	817186.359	木麻黃	*Casuarina equisetifolia*	200	4	7	FELL	FELL	FELL	
3601	T0011	3601	810232.458	817185.173	木麻黃	*Casuarina equisetifolia*	450	5	9	FELL	FELL	FELL	
3601	T0012	3601	810229.337	817189.036	木麻黃	*Casuarina equisetifolia*	400	7	12	FELL	FELL	FELL	
3601	T0013	3601	810230.999	817190.663	木麻黃	*Casuarina equisetifolia*	180	4	9	FELL	FELL	FELL	
3601	T0014	3601	810232.390	817192.459	木麻黃	*Casuarina equisetifolia*	160	4	9	FELL	FELL	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3602	T0001	3602	810186.657	817201.128	木麻黃	*Casuarina equisetifolia*	*200*	2	10	FELL	FELL	FELL	
3602	T0002	3602	810186.868	817199.781	木麻黃	*Casuarina equisetifolia*	*290*	7	12	FELL	FELL	FELL	
3602	T0010	3602	810181.695	817206.24	木麻黃	*Casuarina equisetifolia*	*300*	1	2	FELL	FELL	FELL	
3602	T0011	3602	810180.477	817207.006	台灣相思	*Acacia confusa*	*150*	1	1	FELL	FELL	FELL	
3602	T0012	3602	810179.159	817207.274	台灣相思	*Acacia confusa*	*130*	5	7	FELL	FELL	FELL	
3602	T0013	3602	810177.179	817208.138	台灣相思	*Acacia confusa*	*130*	5	8	FELL	FELL	FELL	
3602	T0017	3602	810175.155	817196.108	台灣相思	*Acacia confusa*	*170*	7	10	FELL	FELL	FELL	
3602	T0024	3602	810169.093	817197.334	台灣相思	*Acacia confusa*	*220*	6	8	FELL	FELL	FELL	
3602	T0035	3602	810156.643	817202.348	大葉相思	*Acacia mangium Willd.*	*300*	6	9	RETAIN	RETAIN	RETAIN	
3602	T0036	3602	810155.517	817203.044	大葉相思	*Acacia mangium Willd.*	*450*	7	12	RETAIN	RETAIN	RETAIN	
3602	T0037	3602	810157.141	817206.661	潺槁樹	*Litsea glutinosa*	*75*	2	5	FELL	FELL	FELL	
3602	T0039	3602	810155.564	817205.236	潺槁樹	*Litsea glutinosa*	*130*	4	7	FELL	FELL	FELL	
3602	T0045	3602	810154.491	817206.957	台灣相思	*Acacia confusa*	*150*	4	9	FELL	FELL	FELL	
3603	T0001	3603	810118.790	817215.640	木麻黃	*Casuarina equisetifolia*	300	4	12	FELL	FELL	FELL	
3603	T0002	3603	810119.320	817216.590	木麻黃	*Casuarina equisetifolia*	160	2	12	FELL	FELL	FELL	
3603	T0003	3603	810119.670	817217.600	木麻黃	*Casuarina equisetifolia*	350	6	14	FELL	FELL	FELL	
3603	T0004	3603	810118.230	817217.370	木麻黃	*Casuarina equisetifolia*	280	4	14	FELL	FELL	FELL	
3603	T0005	3603	810118.250	817219.540	台灣相思	*Acacia confusa*	140	6	10	FELL	FELL	FELL	
3603	T0006	3603	810119.500	817219.490	台灣相思	*Acacia confusa*	100	4	8	FELL	FELL	FELL	
3603	T0007	3603	810120.780	817219.460	台灣相思	*Acacia confusa*	180	4	10	FELL	FELL	FELL	
3603	T0008	3603	810121.960	817219.460	台灣相思	*Acacia confusa*	320	5	12	FELL	FELL	FELL	
3603	T0009	3603	810122.800	817220.530	台灣相思	*Acacia confusa*	220	4	10	FELL	FELL	FELL	
3603	T0010	3603	810123.750	817223.180	台灣相思	*Acacia confusa*	240	6	10	FELL	FELL	FELL	
3603	T0011	3603	810122.730	817223.150	台灣相思	*Acacia confusa*	100	2	6	FELL	FELL	FELL	
3603	T0012	3603	810121.750	817223.030	台灣相思	*Acacia confusa*	140	2	6	FELL	FELL	FELL	
3603	T0013	3603	810120.700	817223.070	台灣相思	*Acacia confusa*	110	2	6	FELL	FELL	FELL	
3603	T0014	3603	810119.880	817223.860	台灣相思	*Acacia confusa*	250	4	3	FELL	FELL	FELL	
3603	T0015	3603	810118.860	817223.720	台灣相思	*Acacia confusa*	95	2	3	FELL	FELL	FELL	
3603	T0016	3603	810116.600	817216.520	木麻黃	*Casuarina equisetifolia*	180	4	14	FELL	FELL	FELL	
3603	T0017	3603	810116.130	817215.340	木麻黃	*Casuarina equisetifolia*	240	2	9	FELL	FELL	FELL	
3603	T0018	3603	810114.700	817215.720	台灣相思	*Acacia confusa*	95	2	3	FELL	FELL	FELL	
3603	T0019	3603	810113.270	817216.170	台灣相思	*Acacia confusa*	130	4	8	FELL	FELL	FELL	
3603	T0020	3603	810111.820	817216.720	台灣相思	*Acacia confusa*	220	4	8	FELL	FELL	FELL	
3603	T0021	3603	810110.220	817217.320	台灣相思	*Acacia confusa*	130	4	8	FELL	FELL	FELL	
3603	T0022	3603	810108.500	817218.010	台灣相思	*Acacia confusa*	110	4	8	FELL	FELL	FELL	
3603	T0023	3603	810111.520	817223.560	木麻黃	*Casuarina equisetifolia*	130	2	6	FELL	FELL	FELL	
3603	T0024	3603	810112.6500	817224.7300	木麻黃	*Casuarina equisetifolia*	190	5	10	FELL	FELL	FELL	
3603	T0025	3603	810109.680	817224.990	木麻黃	*Casuarina equisetifolia*	120	4	5	FELL	FELL	FELL	
3603	T0026	3603	810107.820	817226.460	木麻黃	*Casuarina equisetifolia*	100	4	8	FELL	FELL	FELL	
3603	T0027	3603	810105.840	817220.800	木麻黃	*Casuarina equisetifolia*	120	2	8	FELL	FELL	FELL	
3603	T0028	3603	810104.720	817221.940	木麻黃	*Casuarina equisetifolia*	360	4	12	FELL	FELL	FELL	
3603	T0029	3603	810102.930	817221.390	木麻黃	*Casuarina equisetifolia*	150	4	10	FELL	FELL	FELL	
3603	T0030	3603	810103.180	817222.960	木麻黃	*Casuarina equisetifolia*	95	2	6	FELL	FELL	FELL	
3603	T0031	3603	810101.200	817222.690	木麻黃	*Casuarina equisetifolia*	95	2	5	FELL	FELL	FELL	
3603	T0032	3603	810099.260	817220.710	耳果相思	*Acacia auriculiformis*	200	5	8	FELL	FELL	FELL	
3603	T0033	3603	810097.520	817221.950	木麻黃	*Casuarina equisetifolia*	120	4	8	FELL	FELL	FELL	
3603	T0034	3603	810093.510	817224.570	台灣相思	*Acacia confusa*	300	8	7	FELL	FELL	FELL	
3603	T0035	3603	810089.380	817223.780	朴樹	*Celtis sinensis*	120	3	7	FELL	FELL	FELL	
3603	T0036	3603	810087.450	817224.160	木麻黃	*Casuarina equisetifolia*	350	6	12	FELL	FELL	FELL	
3603	T0037	3603	810085.730	817224.500	木麻黃	*Casuarina equisetifolia*	220	4	12	FELL	FELL	FELL	
3603	T0038	3603	810083.860	817224.980	木麻黃	*Casuarina equisetifolia*	140	4	12	FELL	FELL	FELL	
3603	T0039	3603	810082.510	817225.460	木麻黃	*Casuarina equisetifolia*	95	2	3	FELL	FELL	FELL	
3603	T0040	3603	810084.300	817228.720	木麻黃	*Casuarina equisetifolia*	120	4	12	FELL	FELL	FELL	
3603	T0041	3603	810087.590	817227.180	木麻黃	*Casuarina equisetifolia*	140	4	8	FELL	FELL	FELL	
3603	T0042	3603	810088.640	817228.040	木麻黃	*Casuarina equisetifolia*	140	4	8	FELL	FELL	FELL	
3603	T0043	3603	810087.590	817228.760	木麻黃	*Casuarina equisetifolia*	200	5	14	FELL	FELL	FELL	
3603	T0044	3603	810089.840	817233.090	耳果相思	*Acacia auriculiformis*	180	3	5	FELL	FELL	FELL	
3603	T0045	3603	810088.540	817234.610	木麻黃	*Casuarina equisetifolia*	140	4	10	FELL	FELL	FELL	
3603	T0046	3603	810087.270	817235.070	木麻黃	*Casuarina equisetifolia*	140	2	8	FELL	FELL	FELL	
3603	T0047	3603	810085.680	817234.700	木麻黃	*Casuarina equisetifolia*	190	4	8	FELL	FELL	FELL	
3603	T0048	3603	810084.710	817235.790	木麻黃	*Casuarina equisetifolia*	180	4	10	FELL	FELL	FELL	
3603	T0049	3603	810083.440	817236.080	木麻黃	*Casuarina equisetifolia*	180	4	12	FELL	FELL	FELL	
3603	T0050	3603	810082.060	817235.100	台灣相思	*Acacia confusa*	100	4	5	FELL	FELL	FELL	
3603	T0051	3603	810080.580	817235.560	台灣相思	*Acacia confusa*	100	2	4	FELL	FELL	FELL	
3603	T0052	3603	810078.510	817236.920	台灣相思	*Acacia confusa*	100	2	3	FELL	FELL	FELL	
3603	T0053	3603	810078.540	817233.440	台灣相思	*Acacia confusa*	150	4	6	FELL	FELL	FELL	
3603	T0054	3603	810077.740	817232.670	台灣相思	*Acacia confusa*	220	4	8	FELL	FELL	FELL	
3603	T0055	3603	810077.090	817231.690	台灣相思	*Acacia confusa*	95	2	4	FELL	FELL	FELL	
3603	T0056	3603	810075.810	817232.260	台灣相思	*Acacia confusa*	140	4	7	FELL	FELL	FELL	
3603	T0057	3603	810077.380	817236.770	台灣相思	*Acacia confusa*	120	4	6	FELL	FELL	FELL	
3603	T0058	3603	810076.280	817236.780	台灣相思	*Acacia confusa*	95	2	4	FELL	FELL	FELL	
3603	T0059	3603	810075.310	817237.510	台灣相思	*Acacia confusa*	95	2	3	FELL	FELL	FELL	
3603	T0060	3603	810075.000	817235.020	耳果相思	*Acacia auriculiformis*	110	2	8	FELL	FELL	FELL	
3603	T0061	3603	810074.260	817238.480	木麻黃	*Casuarina equisetifolia*	160	4	12	FELL	FELL	FELL	
3603	T0062	3603	810075.230	817239.370	木麻黃	*Casuarina equisetifolia*	300	5	14	FELL	FELL	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3603	T0063	3603	810073.800	817239.730	木麻黃	*Casuarina equisetifolia*	180	4	12	FELL	FELL	FELL	
3603	T0064	3603	810072.440	817240.290	木麻黃	*Casuarina equisetifolia*	180	4	12	FELL	FELL	FELL	
3603	T0065	3603	810072.360	817239.080	木麻黃	*Casuarina equisetifolia*	180	4	10	FELL	FELL	FELL	
3603	T0066	3603	810070.180	817237.990	台灣相思	*Acacia confusa*	95	1	3	FELL	FELL	FELL	
3603	T0067	3603	810069.040	817237.080	台灣相思	*Acacia confusa*	95	1	2	FELL	FELL	FELL	
3603	T0068	3603	810067.520	817234.480	木麻黃	*Casuarina equisetifolia*	140	4	12	FELL	FELL	FELL	
3603	T0069	3603	810066.920	817235.680	木麻黃	*Casuarina equisetifolia*	220	4	14	FELL	FELL	FELL	
3603	T0070	3603	810065.880	817234.540	木麻黃	*Casuarina equisetifolia*	220	4	14	FELL	FELL	FELL	
3728	T2	3728	810950.9776	817585.7448	銀合歡	*Leucaena leucocephala*	231	4	9	*	*	FELL	
3728	T3	3728	810943.5751	817597.863	桑樹	*Morus alba*	422	6	8	*	*	FELL	
3728	T4	3728	810945.9721	817585.3292	銀合歡	*Leucaena leucocephala*	120	6	7	*	*	FELL	
3728	T5	3728	810941.1552	817587.5835	銀合歡	*Leucaena leucocephala*	148	4	8	*	*	FELL	
3728	T6	3728	810933.7211	817586.5055	銀合歡	*Leucaena leucocephala*	120	3	8	*	*	FELL	
3728	T7	3728	810937.5229	817591.1759	銀合歡	*Leucaena leucocephala*	120	3	2	*	*	FELL	
3728	T8	3728	810936.8808	817595.2206	銀合歡	*Leucaena leucocephala*	130	4	8	*	*	FELL	
3728	T9	3728	810930.2059	817592.6487	銀合歡	*Leucaena leucocephala*	125	4	6	*	*	FELL	
3728	T10	3728	810926.3525	817590.1991	銀合歡	*Leucaena leucocephala*	116	4	3	*	*	FELL	
3728	T11	3728	810932.0438	817581.0358	銀合歡	*Leucaena leucocephala*	115	5	8	*	*	FELL	
3728	T12	3728	810922.4458	817584.5594	苦楝	*Melia azedarach*	316	7	11	*	*	FELL	
3728	T13	3728	810928.7337	817578.2439	銀合歡	*Leucaena leucocephala*	354	9	11	*	*	FELL	
3728	T14	3728	810918.485	817579.8364	銀合歡	*Leucaena leucocephala*	171	6	9	*	*	FELL	
3728	T15	3728	810917.8134	817576.1966	銀合歡	*Leucaena leucocephala*	225	6	9	*	*	FELL	
3728	T16	3728	810917.5586	817573.5636	銀合歡	*Leucaena leucocephala*	110	3	7	*	*	FELL	
3728	T17	3728	810914.599	817579.5789	銀合歡	*Leucaena leucocephala*	130	2	4	*	*	FELL	
3728	T18	3728	810911.7809	817579.0712	銀合歡	*Leucaena leucocephala*	115	2	4	*	*	FELL	
3728	T19	3728	810907.9505	817578.5835	銀合歡	*Leucaena leucocephala*	210	1	2	*	*	FELL	
3728	T20	3728	810885.4935	817576.2373	銀合歡	*Leucaena leucocephala*	302	6	8	*	*	FELL	
3728	T21	3728	810892.3586	817561.2137	銀合歡	*Leucaena leucocephala*	115	4	8	*	*	FELL	
3728	T22	3728	810891.9891	817552.3865	苦楝	*Melia azedarach*	430	9	12	*	*	FELL	
3728	T23	3728	810895.1096	817551.9523	苦楝	*Melia azedarach*	260	6	12	*	*	FELL	
3728	T24	3728	810890.4506	817544.1072	銀合歡	*Leucaena leucocephala*	108	4	8	*	*	FELL	
3728	T25	3728	810898.6919	817543.823	銀合歡	*Leucaena leucocephala*	103	4	8	*	*	FELL	
3728	T26	3728	810894.559	817539.3592	苦楝	*Melia azedarach*	250	6	11	*	*	FELL	
3728	T27	3728	810901.9867	817539.7597	苦楝	*Melia azedarach*	128	4	9	*	*	FELL	
3728	T28	3728	810899.3525	817536.9166	苦楝	*Melia azedarach*	125	3	9	*	*	FELL	
3728	T29	3728	810899.4588	817531.8931	銀合歡	*Leucaena leucocephala*	112	5	9	*	*	FELL	
3728	T30	3728	810898.8224	817526.3778	銀合歡	*Leucaena leucocephala*	260	6	11	*	*	FELL	
3728	T31	3728	810906.4992	817531.296	苦楝	*Melia azedarach*	346	6	11	*	*	FELL	
3728	T32	3728	810909.7422	817536.112	銀合歡	*Leucaena leucocephala*	165	3	6	*	*	FELL	
3728	T33	3728	810913.9869	817533.9101	苦楝	*Melia azedarach*	152	3	11	*	*	FELL	
3728	T34	3728	810920.9981	817538.4257	苦楝	*Melia azedarach*	224	4	11	*	*	FELL	
3728	T35	3728	810910.791	817542.6334	銀合歡	*Leucaena leucocephala*	160	4	9	*	*	FELL	
3728	T36	3728	810927.2314	817538.213	苦楝	*Melia azedarach*	224	3	9	*	*	FELL	
3728	T37	3728	810937.9227	817547.963	苦楝	*Melia azedarach*	485	6	11	*	*	FELL	
3728	T38	3728	810941.1474	817545.1523	苦楝	*Melia azedarach*	280	4	10	*	*	FELL	
3728	T39	3728	810942.9451	817548.5522	銀合歡	*Leucaena leucocephala*	181	3	7	*	*	FELL	
3728	T40	3728	810941.1494	817552.2427	死樹	Dead Tree	170	1	1	*	*	FELL	
3728	T41	3728	810942.5078	817560.8958	銀合歡	*Leucaena leucocephala*	200	2	9	*	*	FELL	
3728	T42	3728	810945.1225	817560.6361	銀合歡	*Leucaena leucocephala*	125	4	9	*	*	FELL	
3728	T43	3728	810947.353	817560.2992	銀合歡	*Leucaena leucocephala*	180	4	9	*	*	FELL	
3728	T44	3728	810951.2471	817564.1559	苦楝	*Melia azedarach*	195	4	8	*	*	FELL	
3728	T45	3728	810952.7511	817560.8097	銀合歡	*Leucaena leucocephala*	155	4	8	*	*	FELL	
3728	T46	3728	810951.5962	817547.2889	銀合歡	*Leucaena leucocephala*	112	4	7	*	*	FELL	
3728	T47	3728	810957.0422	817548.7489	銀合歡	*Leucaena leucocephala*	118	2	7	*	*	FELL	
3728	T48	3728	810962.6143	817550.4222	銀合歡	*Leucaena leucocephala*	105	2	7	*	*	FELL	
3728	T49	3728	810960.1829	817562.4621	銀合歡	*Leucaena leucocephala*	140	5	6	*	*	FELL	
3728	T50	3728	810956.3763	817569.1987	銀合歡	*Leucaena leucocephala*	120	5	1	*	*	FELL	
3728	T51	3728	810953.9204	817570.7445	銀合歡	*Leucaena leucocephala*	120	4	8	*	*	FELL	
3728	T52	3728	810951.6212	817567.9158	銀合歡	*Leucaena leucocephala*	120	4	8	*	*	FELL	
3728	T53	3728	810934.5443	817572.5227	苦楝	*Melia azedarach*	150	4	8	*	*	FELL	
3728	T54	3728	810937.9896	817568.9962	銀合歡	*Leucaena leucocephala*	128	4	2	*	*	FELL	
3728	T55	3728	810931.9406	817569.193	銀合歡	*Leucaena leucocephala*	190	5	8	*	*	FELL	
3728	T56	3728	810933.9416	817565.69	台灣相思	*Acacia confusa*	255	6	9	*	*	FELL	
3728	T57	3728	810929.9804	817551.5172	死樹	Dead Tree	635	6	1	*	*	FELL	
3728	T58	3728	810925.6542	817553.3724	台灣相思	*Acacia confusa*	214	5	6	*	*	FELL	
3728	T59	3728	810927.8348	817546.2148	銀合歡	*Leucaena leucocephala*	97	4	7	*	*	FELL	
3728	T60	3728	810924.0461	817549.1364	銀合歡	*Leucaena leucocephala*	158	4	7	*	*	FELL	
3728	T61	3728	810905.4531	817549.389	銀合歡	*Leucaena leucocephala*	191	9	8	*	*	FELL	
3728	T62	3728	810906.0465	817545.2812	銀合歡	*Leucaena leucocephala*	140	2	4	*	*	FELL	
3728	T63	3728	810919.6579	817559.2558	銀合歡	*Leucaena leucocephala*	105	4	8	*	*	FELL	
3728	T64	3728	810928.297	817572.6426	銀合歡	*Leucaena leucocephala*	159	8	8	*	*	FELL	
3728	T65	3728	810953.8519	817574.9112	銀合歡	*Leucaena leucocephala*	140	2	4	*	*	FELL	
3728	T66	3728	810951.252	817578.575	銀合歡	*Leucaena leucocephala*	130	6	8	*	*	FELL	
3728	T67	3728	810948.0651	817581.1369	銀合歡	*Leucaena leucocephala*	177	6	7	*	*	FELL	
3728	T68	3728	810761.011	817525.228	銀合歡	*Leucaena leucocephala*	115	5	7	*	*	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3728	T69	3728	810756.935	817524.644	銀合歡	*Leucaena leucocephala*	145	6	7	*	*	FELL	
3728	T70	3728	810754.754	817524.141	銀合歡	*Leucaena leucocephala*	105	6	7	*	*	FELL	
3728	T71	3728	810752.983	817523.759	銀合歡	*Leucaena leucocephala*	145	3	4	*	*	FELL	
3728	T72	3728	810749.067	817522.550	銀合歡	*Leucaena leucocephala*	165	5	7	*	*	FELL	
3728	T73	3728	810744.724	817521.199	銀合歡	*Leucaena leucocephala*	185	5	7	*	*	FELL	
3728	T74	3728	810745.409	817516.329	銀合歡	*Leucaena leucocephala*	125	5	6	*	*	FELL	
3728	T75	3728	810742.728	817515.565	銀合歡	*Leucaena leucocephala*	119	4	9	*	*	FELL	
3728	T76	3728	810739.095	817519.031	銀合歡	*Leucaena leucocephala*	100	4	6	*	*	FELL	
3728	T77	3728	810736.576	817518.080	苦楝	*Melia azedarach*	117	5	6	*	*	FELL	
3728	T78	3728	810732.543	817516.819	銀合歡	*Leucaena leucocephala*	113	4	7	*	*	FELL	
3728	T79	3728	810728.804	817515.445	銀合歡	*Leucaena leucocephala*	143	5	7	*	*	FELL	
3801	CT100	3801	811708.059	820136.975	銀合歡	*Leucaena leucocephala*	170	8	12	FELL	FELL	FELL	
3801	CT1000	3801	811607.372	820089.480	羊蹄甲屬	*Bauhinia spp.*	130	6	9	FELL	FELL	FELL	
3801	CT1001	3801	811606.424	820089.670	紅膠木	*Lophostemon confertus*	170	5	10	FELL	FELL	FELL	
3801	CT1002	3801	811609.506	820095.199	楝	*Melia azedarach*	300	9	13	FELL	FELL	FELL	
3801	CT1003	3801	811607.877	820095.079	羊蹄甲屬	*Bauhinia spp.*	110	4	6	FELL	FELL	FELL	
3801	CT1004	3801	811604.373	820092.891	台灣相思	*Acacia confusa*	200	7	11	FELL	FELL	FELL	
3801	CT1005	3801	811603.943	820091.949	台灣相思	*Acacia confusa*	160	5	11	FELL	FELL	FELL	
3801	CT1006	3801	811603.128	820090.076	台灣相思	*Acacia confusa*	286	9	14	FELL	FELL	FELL	
3801	CT1007	3801	811603.031	820091.028	台灣相思	*Acacia confusa*	150	4	10	FELL	FELL	FELL	
3801	CT1008	3801	811600.940	820091.174	台灣相思	*Acacia confusa*	140	5	11	FELL	FELL	FELL	
3801	CT1009	3801	811601.456	820091.886	台灣相思	*Acacia confusa*	110	5	11	FELL	FELL	FELL	
3801	CT101	3801	811709.156	820139.805	銀合歡	*Leucaena leucocephala*	130	6	11	FELL	FELL	FELL	
3801	CT1010	3801	811600.653	820092.141	台灣相思	*Acacia confusa*	110	4	10	FELL	FELL	FELL	
3801	CT1011	3801	811601.135	820093.077	台灣相思	*Acacia confusa*	240	7	12	FELL	FELL	FELL	
3801	CT1012	3801	811601.878	820095.769	黃槿	*Hibiscus tiliaceus*	225	8	9	FELL	FELL	FELL	
3801	CT1013	3801	811599.434	820095.420	大葉相思	*Acacia mangium*	190	5	11	FELL	FELL	FELL	
3801	CT1014	3801	811598.990	820091.664	羊蹄甲屬	*Bauhinia spp.*	270	7	10	FELL	FELL	FELL	
3801	CT1015	3801	811595.349	820090.995	大葉相思	*Acacia mangium*	220	6	13	FELL	FELL	FELL	
3801	CT1016	3801	811593.924	820091.210	大葉相思	*Acacia mangium*	220	5	10	FELL	FELL	FELL	
3801	CT1017	3801	811594.438	820091.634	大葉相思	*Acacia mangium*	270	6	12	FELL	FELL	FELL	
3801	CT1018	3801	811594.056	820092.363	大葉相思	*Acacia mangium*	250	6	12	FELL	FELL	FELL	
3801	CT1019	3801	811594.678	820094.767	台灣相思	*Acacia confusa*	160	6	11	FELL	FELL	FELL	
3801	CT102	3801	811704.726	820142.180	台灣相思	*Acacia confusa*	150	6	10	FELL	FELL	FELL	
3801	CT1020	3801	811593.529	820095.048	台灣相思	*Acacia confusa*	100	5	6	FELL	FELL	FELL	
3801	CT1021	3801	811592.600	820095.118	台灣相思	*Acacia confusa*	110	6	8	FELL	FELL	FELL	
3801	CT1022	3801	811591.996	820093.947	台灣相思	*Acacia confusa*	130	6	6	FELL	FELL	FELL	
3801	CT1023	3801	811591.141	820093.820	台灣相思	*Acacia confusa*	200	7	11	FELL	FELL	FELL	
3801	CT1024	3801	811590.773	820092.600	台灣相思	*Acacia confusa*	140	6	8	FELL	FELL	FELL	
3801	CT1025	3801	811587.510	820091.877	楝	*Melia azedarach*	330	7	12	FELL	FELL	FELL	
3801	CT1026	3801	811586.993	820091.341	台灣相思	*Acacia confusa*	130	7	6	FELL	FELL	FELL	
3801	CT1027	3801	811585.559	820091.233	台灣相思	*Acacia confusa*	320	8	11	FELL	FELL	FELL	
3801	CT1028	3801	811585.686	820092.992	大葉相思	*Acacia mangium*	270	7	12	FELL	FELL	FELL	
3801	CT1029	3801	811585.350	820094.412	大葉相思	*Acacia mangium*	260	6	10	FELL	FELL	FELL	
3801	CT103	3801	811702.715	820142.816	台灣相思	*Acacia confusa*	140	7	12	FELL	FELL	FELL	
3801	CT1030	3801	811583.754	820092.969	楝	*Melia azedarach*	210	6	11	FELL	FELL	FELL	
3801	CT1031	3801	811583.108	820096.896	台灣相思	*Acacia confusa*	120	4	5	FELL	FELL	FELL	
3801	CT1032	3801	811581.253	820091.932	紅膠木	*Lophostemon confertus*	180	5	10	FELL	FELL	FELL	
3801	CT1033	3801	811580.528	820092.523	大葉相思	*Acacia mangium*	100	4	8	FELL	FELL	FELL	
3801	CT1034	3801	811577.009	820091.211	羊蹄甲屬	*Bauhinia spp.*	100	6	6	FELL	FELL	FELL	
3801	CT1035	3801	811576.435	820092.461	台灣相思	*Acacia confusa*	150	7	6	FELL	FELL	FELL	
3801	CT1036	3801	811575.761	820090.461	羊蹄甲屬	*Bauhinia spp.*	170	9	11	FELL	FELL	FELL	
3801	CT1037	3801	811576.526	820093.358	大葉相思	*Acacia mangium*	280	9	11	FELL	FELL	FELL	
3801	CT1038	3801	811575.973	820093.172	台灣相思	*Acacia confusa*	110	7	7	FELL	FELL	FELL	
3801	CT1039	3801	811575.124	820093.899	台灣相思	*Acacia confusa*	110	6	8	FELL	FELL	FELL	
3801	CT104	3801	811701.026	820144.182	台灣相思	*Acacia confusa*	120	7	11	FELL	FELL	FELL	
3801	CT1040	3801	811574.214	820093.757	台灣相思	*Acacia confusa*	205	6	11	FELL	FELL	FELL	
3801	CT1041	3801	811574.478	820092.307	台灣相思	*Acacia confusa*	150	6	8	FELL	FELL	FELL	
3801	CT1042	3801	811573.330	820091.987	台灣相思	*Acacia confusa*	130	5	8	FELL	FELL	FELL	
3801	CT1043	3801	811572.789	820095.282	紅膠木	*Lophostemon confertus*	100	3	5	FELL	FELL	FELL	
3801	CT1044	3801	811571.245	820095.114	紅膠木	*Lophostemon confertus*	195	5	12	FELL	FELL	FELL	
3801	CT1045	3801	811568.545	820094.611	楝	*Melia azedarach*	280	10	12	FELL	FELL	FELL	
3801	CT1046	3801	811566.727	820093.252	紅膠木	*Lophostemon confertus*	230	5	10	FELL	FELL	FELL	
3801	CT1047	3801	811568.953	820091.315	楝	*Melia azedarach*	160	7	11	FELL	FELL	FELL	
3801	CT1048	3801	811568.353	820091.045	紅膠木	*Lophostemon confertus*	110	4	10	FELL	FELL	FELL	
3801	CT1049	3801	811567.019	820089.853	死樹	Dead tree	100	2	6	FELL	FELL	FELL	
3801	CT105	3801	811699.745	820145.874	台灣相思	*Acacia confusa*	110	6	10	FELL	FELL	FELL	
3801	CT1050	3801	811566.127	820091.444	羊蹄甲屬	*Bauhinia spp.*	130	5	10	FELL	FELL	FELL	
3801	CT1051	3801	811565.009	820089.141	大葉相思	*Acacia mangium*	180	4	11	FELL	FELL	FELL	
3801	CT1052	3801	811564.049	820090.051	羊蹄甲屬	*Bauhinia spp.*	190	6	11	FELL	FELL	FELL	
3801	CT1053	3801	811563.228	820088.533	台灣相思	*Acacia confusa*	160	5	10	FELL	FELL	FELL	
3801	CT1054	3801	811562.323	820088.771	台灣相思	*Acacia confusa*	190	6	9	FELL	FELL	FELL	
3801	CT1055	3801	811561.331	820088.018	台灣相思	*Acacia confusa*	120	4	10	FELL	FELL	FELL	
3801	CT1056	3801	811561.552	820087.052	台灣相思	*Acacia confusa*	120	3	10	FELL	FELL	FELL	
3801	CT1057	3801	811564.132	820087.086	台灣相思	*Acacia confusa*	160	6	10	FELL	FELL	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3801	CT1058	3801	811561.629	820085.749	台灣相思	*Acacia confusa*	150	5	11	FELL	FELL	FELL	
3801	CT1059	3801	811559.710	820086.199	黃槿	*Hibiscus tiliaceus*	180	4	8	FELL	FELL	FELL	
3801	CT106	3801	811699.102	820145.128	台灣相思	*Acacia confusa*	100	5	9	FELL	FELL	FELL	
3801	CT1060	3801	811560.023	820085.072	黃槿	*Hibiscus tiliaceus*	180	5	10	FELL	FELL	FELL	
3801	CT1061	3801	811559.064	820085.206	黃槿	*Hibiscus tiliaceus*	180	6	10	FELL	FELL	FELL	
3801	CT1062	3801	811559.525	820084.247	黃槿	*Hibiscus tiliaceus*	130	5	10	FELL	FELL	FELL	
3801	CT1063	3801	811559.921	820084.002	黃槿	*Hibiscus tiliaceus*	150	5	11	FELL	FELL	FELL	
3801	CT1064	3801	811559.676	820083.576	死樹	Dead tree	190	4	10	FELL	FELL	FELL	
3801	CT1065	3801	811557.779	820082.453	紅膠木	*Lophostemon confertus*	130	4	10	FELL	FELL	FELL	
3801	CT1066	3801	811559.947	820081.485	羊蹄甲屬	*Bauhinia spp.*	180	8	10	FELL	FELL	FELL	
3801	CT1067	3801	811560.620	820080.298	羊蹄甲屬	*Bauhinia spp.*	110	6	6	FELL	FELL	FELL	
3801	CT1068	3801	811559.103	820079.650	死樹	Dead tree	110	5	7	FELL	FELL	FELL	
3801	CT1069	3801	811557.033	820074.486	大葉合歡	*Albizia lebbeck*	150	5	6	FELL	FELL	FELL	
3801	CT107	3801	811699.198	820146.775	台灣相思	*Acacia confusa*	130	7	10	FELL	FELL	FELL	
3801	CT1070	3801	811555.169	820069.753	黃槿	*Hibiscus tiliaceus*	110	5	5	FELL	FELL	FELL	
3801	CT1071	3801	811555.400	820068.590	黃槿	*Hibiscus tiliaceus*	110	7	6	FELL	FELL	FELL	
3801	CT1072	3801	811555.341	820068.535	黃槿	*Hibiscus tiliaceus*	100	4	8	FELL	FELL	FELL	
3801	CT1073	3801	811553.969	820067.809	黃槿	*Hibiscus tiliaceus*	160	4	7	FELL	FELL	FELL	
3801	CT1074	3801	811551.642	820068.428	羊蹄甲屬	*Bauhinia spp.*	130	3	6	FELL	FELL	FELL	
3801	CT1075	3801	811550.499	820068.186	羊蹄甲屬	*Bauhinia spp.*	110	3	6	FELL	FELL	FELL	
3801	CT1076	3801	811552.339	820064.925	黃槿	*Hibiscus tiliaceus*	180	5	8	FELL	FELL	FELL	
3801	CT1077	3801	811551.714	820064.022	黃槿	*Hibiscus tiliaceus*	100	2	7	FELL	FELL	FELL	
3801	CT1078	3801	811552.751	820064.019	黃槿	*Hibiscus tiliaceus*	120	5	7	FELL	FELL	FELL	
3801	CT1079	3801	811553.933	820064.056	黃槿	*Hibiscus tiliaceus*	230	7	10	FELL	FELL	FELL	
3801	CT108	3801	811695.784	820145.940	銀合歡	*Leucaena leucocephala*	122	7	11	FELL	FELL	FELL	
3801	CT1080	3801	811553.922	820063.035	黃槿	*Hibiscus tiliaceus*	170	10	10	FELL	FELL	FELL	
3801	CT1081	3801	811553.631	820062.288	黃槿	*Hibiscus tiliaceus*	170	6	10	FELL	FELL	FELL	
3801	CT1082	3801	811552.391	820062.737	黃槿	*Hibiscus tiliaceus*	150	7	10	FELL	FELL	FELL	
3801	CT1083	3801	811551.511	820061.720	台灣相思	*Acacia confusa*	150	5	10	FELL	FELL	FELL	
3801	CT1084	3801	811551.307	820062.904	黃槿	*Hibiscus tiliaceus*	130	5	9	FELL	FELL	FELL	
3801	CT1085	3801	811549.398	820063.355	黃槿	*Hibiscus tiliaceus*	140	6	8	FELL	FELL	FELL	
3801	CT1086	3801	811549.346	820064.416	羊蹄甲屬	*Bauhinia spp.*	100	5	6	FELL	FELL	FELL	
3801	CT1087	3801	811555.660	820057.850	羊蹄甲屬	*Bauhinia spp.*	120	6	7	FELL	FELL	FELL	
3801	CT1088	3801	811548.880	820057.057	台灣相思	*Acacia confusa*	150	6	10	FELL	FELL	FELL	
3801	CT1089	3801	811548.236	820055.579	黃槿	*Hibiscus tiliaceus*	130	7	9	FELL	FELL	FELL	
3801	CT109	3801	811705.843	820144.767	台灣相思	*Acacia confusa*	120	9	8	FELL	FELL	FELL	
3801	CT1090	3801	811547.480	820056.281	黃槿	*Hibiscus tiliaceus*	220	9	8	FELL	FELL	FELL	
3801	CT1091	3801	811547.944	820054.095	黃槿	*Hibiscus tiliaceus*	130	6	9	FELL	FELL	FELL	
3801	CT1092	3801	811547.965	820053.037	黃槿	*Hibiscus tiliaceus*	170	6	9	FELL	FELL	FELL	
3801	CT1093	3801	811546.709	820054.670	黃槿	*Hibiscus tiliaceus*	120	6	9	FELL	FELL	FELL	
3801	CT1094	3801	811545.351	820054.741	黃槿	*Hibiscus tiliaceus*	180	8	8	FELL	FELL	FELL	
3801	CT1095	3801	811544.148	820054.496	黃槿	*Hibiscus tiliaceus*	270	10	9	FELL	FELL	FELL	
3801	CT1096	3801	811545.917	820053.257	黃槿	*Hibiscus tiliaceus*	120	4	5	FELL	FELL	FELL	
3801	CT1097	3801	811549.236	820052.378	台灣相思	*Acacia confusa*	190	5	10	FELL	FELL	FELL	
3801	CT1098	3801	811549.193	820051.175	黃花夾竹桃	*Thevetia peruviana*	110	4	5	FELL	FELL	FELL	
3801	CT1099	3801	811551.200	820051.622	台灣相思	*Acacia confusa*	110	5	9	FELL	FELL	FELL	
3801	CT110	3801	811706.547	820144.347	台灣相思	*Acacia confusa*	140	6	6	FELL	FELL	FELL	
3801	CT1100	3801	811554.902	820054.938	羊蹄甲屬	*Bauhinia spp.*	190	7	9	FELL	FELL	FELL	
3801	CT1101	3801	811551.836	820050.553	台灣相思	*Acacia confusa*	190	4	7	FELL	FELL	FELL	
3801	CT1102	3801	811551.922	820049.473	台灣相思	*Acacia confusa*	170	5	6	FELL	FELL	FELL	
3801	CT1103	3801	811559.421	820044.326	羊蹄甲屬	*Bauhinia spp.*	220	6	8	FELL	FELL	FELL	
3801	CT1104	3801	811559.250	820046.366	楝	*Melia azedarach*	600	10	13	FELL	FELL	FELL	
3801	CT1105	3801	811565.195	820043.652	大葉相思	*Acacia mangium*	290	8	13	FELL	FELL	FELL	
3801	CT1106	3801	811566.393	820042.044	黃槿	*Hibiscus tiliaceus*	290	8	10	FELL	FELL	FELL	
3801	CT1107	3801	811567.495	820042.292	黃槿	*Hibiscus tiliaceus*	130	7	7	FELL	FELL	FELL	
3801	CT1108	3801	811568.062	820041.905	黃槿	*Hibiscus tiliaceus*	150	5	11	FELL	FELL	FELL	
3801	CT1109	3801	811568.775	820041.524	黃槿	*Hibiscus tiliaceus*	150	6	10	FELL	FELL	FELL	
3801	CT111	3801	811710.312	820144.229	銀合歡	*Leucaena leucocephala*	120	6	14	FELL	FELL	FELL	
3801	CT1110	3801	811571.069	820040.143	台灣相思	*Acacia confusa*	260	8	15	FELL	FELL	FELL	
3801	CT1111	3801	811571.879	820039.158	台灣相思	*Acacia confusa*	150	4	5	FELL	FELL	FELL	
3801	CT1112	3801	811572.832	820038.796	台灣相思	*Acacia confusa*	180	7	7	FELL	FELL	FELL	
3801	CT1113	3801	811574.389	820038.694	羊蹄甲屬	*Bauhinia spp.*	120	6	7	FELL	FELL	FELL	
3801	CT1114	3801	811575.194	820037.855	大葉相思	*Acacia mangium*	240	5	15	FELL	FELL	FELL	
3801	CT1115	3801	811576.128	820037.145	大葉相思	*Acacia mangium*	300	6	15	FELL	FELL	FELL	
3801	CT1116	3801	811576.837	820037.461	大葉相思	*Acacia mangium*	180	4	14	FELL	FELL	FELL	
3801	CT1117	3801	811578.856	820036.349	大葉相思	*Acacia mangium*	350	10	15	FELL	FELL	FELL	
3801	CT1118	3801	811581.254	820035.240	大葉相思	*Acacia mangium*	320	6	12	FELL	FELL	FELL	
3801	CT1119	3801	811581.266	820034.378	台灣相思	*Acacia confusa*	140	6	7	FELL	FELL	FELL	
3801	CT112	3801	811709.264	820144.397	銀合歡	*Leucaena leucocephala*	130	7	13	FELL	FELL	FELL	
3801	CT1120	3801	811582.400	820034.075	台灣相思	*Acacia confusa*	120	5	5	FELL	FELL	FELL	
3801	CT1121	3801	811585.549	820033.011	台灣相思	*Acacia confusa*	180	7	8	FELL	FELL	FELL	
3801	CT1122	3801	811586.315	820032.910	台灣相思	*Acacia confusa*	130	4	10	FELL	FELL	FELL	
3801	CT1123	3801	811587.468	820033.300	台灣相思	*Acacia confusa*	150	5	10	FELL	FELL	FELL	
3801	CT1124	3801	811587.897	820032.460	台灣相思	*Acacia confusa*	260	7	14	FELL	FELL	FELL	
3801	CT1125	3801	811593.367	820031.377	台灣相思	*Acacia confusa*	160	6	7	FELL	FELL	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3801	CT1126	3801	811594.803	820030.913	台灣相思	*Acacia confusa*	200	7	8	FELL	FELL	FELL	
3801	CT1127	3801	811598.796	820029.958	大葉相思	*Acacia mangium*	310	8	14	FELL	FELL	FELL	
3801	CT1128	3801	811599.528	820029.759	大葉相思	*Acacia mangium*	250	7	12	FELL	FELL	FELL	
3801	CT1129	3801	811608.477	820029.014	濕地松	*Pinus elliottii*	100	3	5	FELL	FELL	FELL	
3801	CT113	3801	811709.039	820146.496	台灣相思	*Acacia confusa*	130	7	9	FELL	FELL	FELL	
3801	CT1130	3801	811609.126	820028.329	濕地松	*Pinus elliottii*	140	4	10	FELL	FELL	FELL	
3801	CT1131	3801	811616.238	820030.840	台灣相思	*Acacia confusa*	140	7	7	FELL	FELL	FELL	
3801	CT1132	3801	811616.308	820031.851	台灣相思	*Acacia confusa*	190	6	10	FELL	FELL	FELL	
3801	CT1133	3801	811615.852	820033.203	台灣相思	*Acacia confusa*	220	8	13	FELL	FELL	FELL	
3801	CT1134	3801	811616.563	820034.090	台灣相思	*Acacia confusa*	240	8	15	FELL	FELL	FELL	
3801	CT1135	3801	811617.394	820032.983	台灣相思	*Acacia confusa*	170	6	11	FELL	FELL	FELL	
3801	CT1136	3801	811618.703	820033.940	台灣相思	*Acacia confusa*	130	4	12	FELL	FELL	FELL	
3801	CT1137	3801	811618.532	820032.164	台灣相思	*Acacia confusa*	240	7	15	FELL	FELL	FELL	
3801	CT1138	3801	811618.342	820030.837	死樹	Dead tree	140	5	8	FELL	FELL	FELL	
3801	CT1139	3801	811623.664	820032.115	黃槿	*Hibiscus tiliaceus*	100	4	6	FELL	FELL	FELL	
3801	CT114	3801	811707.566	820147.036	台灣相思	*Acacia confusa*	120	6	8	FELL	FELL	FELL	
3801	CT1141	3801	811626.059	820031.226	楝	*Melia azedarach*	350	10	16	FELL	FELL	FELL	
3801	CT1142	3801	811619.670	820038.156	大葉相思	*Acacia mangium*	154	4	9	FELL	FELL	FELL	
3801	CT1143	3801	811620.477	820039.727	大葉相思	*Acacia mangium*	250	4	15	FELL	FELL	FELL	
3801	CT1144	3801	811621.862	820039.024	大葉相思	*Acacia mangium*	110	2	7	FELL	FELL	FELL	
3801	CT1145	3801	811621.406	820040.377	大葉相思	*Acacia mangium*	140	3	14	FELL	FELL	FELL	
3801	CT1146	3801	811621.669	820040.969	大葉相思	*Acacia mangium*	220	4	15	FELL	FELL	FELL	
3801	CT1149	3801	811619.755	820042.274	台灣相思	*Acacia confusa*	370	7	11	FELL	FELL	FELL	
3801	CT115	3801	811707.393	820147.792	台灣相思	*Acacia confusa*	120	9	6	FELL	FELL	FELL	
3801	CT1152	3801	811618.639	820047.981	羊蹄甲屬	*Bauhinia spp.*	110	5	7	FELL	FELL	FELL	
3801	CT1154	3801	811622.603	820042.126	楝	*Melia azedarach*	270	8	16	FELL	FELL	FELL	
3801	CT1155	3801	811624.929	820047.806	楝	*Melia azedarach*	350	7	16	FELL	FELL	FELL	
3801	CT1156	3801	811626.882	820047.854	大葉相思	*Acacia mangium*	200	4	15	FELL	FELL	FELL	
3801	CT1157	3801	811627.734	820047.406	大葉相思	*Acacia mangium*	210	4	15	FELL	FELL	FELL	
3801	CT1158	3801	811625.486	820032.298	大葉相思	*Acacia mangium*	200	4	15	FELL	FELL	FELL	
3801	CT116	3801	811706.347	820149.170	台灣相思	*Acacia confusa*	220	8	8	FELL	FELL	FELL	
3801	CT1164	3801	811632.061	820041.410	大葉相思	*Acacia mangium*	560	8	15	FELL	FELL	FELL	
3801	CT1165	3801	811634.854	820043.787	台灣相思	*Acacia confusa*	100	4	15	FELL	FELL	FELL	
3801	CT1166	3801	811634.853	820045.135	台灣相思	*Acacia confusa*	260	5	15	FELL	FELL	FELL	
3801	CT1167	3801	811635.727	820044.693	台灣相思	*Acacia confusa*	200	4	15	FELL	FELL	FELL	
3801	CT1168	3801	811637.726	820042.463	台灣相思	*Acacia confusa*	220	8	15	FELL	FELL	FELL	
3801	CT1169	3801	811638.538	820042.044	台灣相思	*Acacia confusa*	190	6	15	FELL	FELL	FELL	
3801	CT117	3801	811707.663	820148.779	楝	*Melia azedarach*	110	5	9	FELL	FELL	FELL	
3801	CT1170	3801	811640.857	820047.005	楝	*Melia azedarach*	260	5	16	FELL	FELL	FELL	
3801	CT1172	3801	811635.452	820050.197	大葉相思	*Acacia mangium*	170	5	13	FELL	FELL	FELL	
3801	CT1174	3801	811643.340	820044.909	楝	*Melia azedarach*	120	4	10	FELL	FELL	FELL	
3801	CT1175	3801	811647.168	820048.671	大葉相思	*Acacia mangium*	180	3	16	FELL	FELL	FELL	
3801	CT1176	3801	811646.197	820048.819	大葉相思	*Acacia mangium*	150	3	15	FELL	FELL	FELL	
3801	CT1177	3801	811647.399	820049.684	大葉相思	*Acacia mangium*	210	4	16	FELL	FELL	FELL	
3801	CT1178	3801	811646.640	820049.654	大葉相思	*Acacia mangium*	140	4	15	FELL	FELL	FELL	
3801	CT1179	3801	811645.758	820050.287	大葉相思	*Acacia mangium*	180	4	15	FELL	FELL	FELL	
3801	CT118	3801	811705.761	820150.826	銀合歡	*Leucaena leucocephala*	150	6	12	FELL	FELL	FELL	
3801	CT1180	3801	811645.450	820049.221	大葉相思	*Acacia mangium*	210	4	16	FELL	FELL	FELL	
3801	CT1181	3801	811643.271	820050.480	大葉相思	*Acacia mangium*	230	6	15	FELL	FELL	FELL	
3801	CT1183	3801	811643.274	820052.950	大葉相思	*Acacia mangium*	200	4	15	FELL	FELL	FELL	
3801	CT1184	3801	811642.496	820053.529	大葉相思	*Acacia mangium*	140	1	15	FELL	FELL	FELL	
3801	CT1185	3801	811645.629	820052.199	大葉相思	*Acacia mangium*	230	5	16	FELL	FELL	FELL	
3801	CT1186	3801	811646.430	820053.883	台灣相思	*Acacia confusa*	120	4	9	FELL	FELL	FELL	
3801	CT1187	3801	811650.231	820052.131	紅膠木	*Lophostemon confertus*	110	4	9	FELL	FELL	FELL	
3801	CT1188	3801	811651.140	820053.474	台灣相思	*Acacia confusa*	170	5	14	FELL	FELL	FELL	
3801	CT1189	3801	811649.912	820055.087	台灣相思	*Acacia confusa*	110	3	13	FELL	FELL	FELL	
3801	CT119	3801	811702.085	820153.875	銀合歡	*Leucaena leucocephala*	186	5	11	FELL	FELL	FELL	
3801	CT1190	3801	811650.468	820060.683	台灣相思	*Acacia confusa*	220	5	15	FELL	FELL	FELL	
3801	CT1191	3801	811652.187	820058.898	台灣相思	*Acacia confusa*	110	3	14	FELL	FELL	FELL	
3801	CT1192	3801	811654.182	820059.095	台灣相思	*Acacia confusa*	140	4	14	FELL	FELL	FELL	
3801	CT1193	3801	811655.487	820060.236	台灣相思	*Acacia confusa*	110	3	13	FELL	FELL	FELL	
3801	CT1195	3801	811658.884	820062.634	台灣相思	*Acacia confusa*	130	5	14	FELL	FELL	FELL	
3801	CT1196	3801	811658.433	820059.086	台灣相思	*Acacia confusa*	190	5	13	FELL	FELL	FELL	
3801	CT1197	3801	811663.043	820060.145	台灣相思	*Acacia confusa*	120	4	11	FELL	FELL	FELL	
3801	CT1198	3801	811660.394	820060.711	台灣相思	*Acacia confusa*	110	4	14	FELL	FELL	FELL	
3801	CT1199	3801	811662.340	820061.619	台灣相思	*Acacia confusa*	200	5	12	FELL	FELL	FELL	
3801	CT120	3801	811702.188	820151.943	羊蹄甲屬	*Bauhinia spp.*	100	6	7	FELL	FELL	FELL	
3801	CT1200	3801	811662.964	820061.084	台灣相思	*Acacia confusa*	140	4	11	FELL	FELL	FELL	
3801	CT1201	3801	811664.458	820064.519	台灣相思	*Acacia confusa*	100	3	7	FELL	FELL	FELL	
3801	CT1202	3801	811663.410	820064.703	台灣相思	*Acacia confusa*	100	4	8	FELL	FELL	FELL	
3801	CT1203	3801	811665.251	820065.394	台灣相思	*Acacia confusa*	110	4	10	FELL	FELL	FELL	
3801	CT1204	3801	811663.421	820065.990	台灣相思	*Acacia confusa*	140	5	9	FELL	FELL	FELL	
3801	CT1205	3801	811666.248	820066.615	黃槿	*Hibiscus tiliaceus*	190	7	13	FELL	FELL	FELL	
3801	CT1206	3801	811665.529	820068.028	台灣相思	*Acacia confusa*	140	4	14	FELL	FELL	FELL	
3801	CT1207	3801	811662.625	820067.925	台灣相思	*Acacia confusa*	100	5	11	FELL	FELL	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3801	CT1208	3801	811662.574	820067.142	台灣相思	*Acacia confusa*	180	5	11	FELL	FELL	FELL	
3801	CT1209	3801	811661.430	820067.505	台灣相思	*Acacia confusa*	170	4	13	FELL	FELL	FELL	
3801	CT121	3801	811697.537	820157.064	台灣相思	*Acacia confusa*	140	6	9	FELL	FELL	FELL	
3801	CT1210	3801	811661.889	820068.614	台灣相思	*Acacia confusa*	170	4	13	FELL	FELL	FELL	
3801	CT1211	3801	811660.773	820068.864	台灣相思	*Acacia confusa*	140	5	8	FELL	FELL	FELL	
3801	CT1212	3801	811659.711	820068.287	台灣相思	*Acacia confusa*	100	5	7	FELL	FELL	FELL	
3801	CT1213	3801	811660.620	820066.902	台灣相思	*Acacia confusa*	150	6	14	FELL	FELL	FELL	
3801	CT1214	3801	811660.827	820066.009	台灣相思	*Acacia confusa*	120	4	10	FELL	FELL	FELL	
3801	CT1215	3801	811661.478	820065.705	楝	*Melia azedarach*	350	8	15	FELL	FELL	FELL	
3801	CT1216	3801	811658.891	820066.853	台灣相思	*Acacia confusa*	110	5	9	FELL	FELL	FELL	
3801	CT1217	3801	811642.036	820069.080	黃槿	*Hibiscus tiliaceus*	170	7	7	FELL	FELL	FELL	
3801	CT122	3801	811697.277	820156.280	台灣相思	*Acacia confusa*	122	6	6	FELL	FELL	FELL	
3801	CT1221	3801	811651.082	820064.429	台灣相思	*Acacia confusa*	160	6	14	FELL	FELL	FELL	
3801	CT1222	3801	811650.983	820063.225	台灣相思	*Acacia confusa*	110	4	14	FELL	FELL	FELL	
3801	CT1224	3801	811649.110	820055.915	台灣相思	*Acacia confusa*	100	4	12	FELL	FELL	FELL	
3801	CT1225	3801	811645.138	820057.496	紅膠木	*Lophostemon confertus*	130	4	11	FELL	FELL	FELL	
3801	CT1226	3801	811646.680	820061.645	台灣相思	*Acacia confusa*	100	3	10	FELL	FELL	FELL	
3801	CT1227	3801	811646.453	820065.996	台灣相思	*Acacia confusa*	140	5	10	FELL	FELL	FELL	
3801	CT123	3801	811695.152	820152.291	銀合歡	*Leucaena leucocephala*	120	8	4	FELL	FELL	FELL	
3801	CT1230	3801	811642.252	820065.051	大葉相思	*Acacia mangium*	300	5	15	FELL	FELL	FELL	
3801	CT1233	3801	811641.814	820058.809	大葉相思	*Acacia mangium*	220	4	13	FELL	FELL	FELL	
3801	CT1234	3801	811640.277	820056.745	大葉相思	*Acacia mangium*	490	5	11	FELL	FELL	FELL	
3801	CT1236	3801	811637.069	820057.613	紅膠木	*Lophostemon confertus*	150	5	9	FELL	FELL	FELL	
3801	CT1237	3801	811636.263	820057.154	紅膠木	*Lophostemon confertus*	140	7	8	FELL	FELL	FELL	
3801	CT1239	3801	811633.574	820054.150	台灣相思	*Acacia confusa*	140	4	12	FELL	FELL	FELL	
3801	CT124	3801	811695.622	820158.091	大葉相思	*Acacia mangium*	140	4	11	FELL	FELL	FELL	
3801	CT1240	3801	811633.596	820052.218	台灣相思	*Acacia confusa*	100	4	10	FELL	FELL	FELL	
3801	CT1241	3801	811632.650	820052.715	台灣相思	*Acacia confusa*	100	4	9	FELL	FELL	FELL	
3801	CT1242	3801	811631.635	820055.291	大葉相思	*Acacia mangium*	180	3	15	FELL	FELL	FELL	
3801	CT1244	3801	811630.680	820052.887	大葉相思	*Acacia mangium*	260	3	16	FELL	FELL	FELL	
3801	CT1245	3801	811628.597	820052.926	台灣相思	*Acacia confusa*	240	5	15	FELL	FELL	FELL	
3801	CT1247	3801	811624.968	820052.652	楝	*Melia azedarach*	280	9	16	FELL	FELL	FELL	
3801	CT1248	3801	811623.953	820053.506	楝	*Melia azedarach*	220	6	14	FELL	FELL	FELL	
3801	CT1249	3801	811624.959	820054.452	黃槿	*Hibiscus tiliaceus*	150	5	13	FELL	FELL	FELL	
3801	CT125	3801	811694.041	820158.993	台灣相思	*Acacia confusa*	110	5	9	FELL	FELL	FELL	
3801	CT1250	3801	811623.931	820055.134	黃槿	*Hibiscus tiliaceus*	110	4	12	FELL	FELL	FELL	
3801	CT1251	3801	811628.667	820058.672	台灣相思	*Acacia confusa*	180	4	15	FELL	FELL	FELL	
3801	CT1252	3801	811627.483	820059.908	台灣相思	*Acacia confusa*	130	5	13	FELL	FELL	FELL	
3801	CT1253	3801	811627.492	820062.194	羊蹄甲屬	*Bauhinia spp.*	110	5	10	TRANSPLANT	TRANSPLANTED	TRANSPLANTED	
3801	CT1254	3801	811625.276	820062.024	台灣相思	*Acacia confusa*	130	4	14	FELL	FELL	FELL	
3801	CT1255	3801	811625.053	820059.890	台灣相思	*Acacia confusa*	100	4	10	FELL	FELL	FELL	
3801	CT1256	3801	811626.243	820059.254	台灣相思	*Acacia confusa*	100	2	14	FELL	FELL	FELL	
3801	CT1257	3801	811626.096	820057.985	台灣相思	*Acacia confusa*	140	4	15	FELL	FELL	FELL	
3801	CT1258	3801	811625.230	820058.734	台灣相思	*Acacia confusa*	190	6	15	FELL	FELL	FELL	
3801	CT1259	3801	811623.876	820059.493	台灣相思	*Acacia confusa*	160	5	15	FELL	FELL	FELL	
3801	CT126	3801	811694.133	820160.858	黃花夾竹桃	*Thevetia peruviana*	100	5	6	FELL	FELL	FELL	
3801	CT1260	3801	811623.284	820059.999	台灣相思	*Acacia confusa*	100	4	11	FELL	FELL	FELL	
3801	CT1261	3801	811621.412	820059.069	大葉相思	*Acacia mangium*	230	4	15	FELL	FELL	FELL	
3801	CT1262	3801	811622.963	820057.720	台灣相思	*Acacia confusa*	150	3	15	FELL	FELL	FELL	
3801	CT1263	3801	811622.836	820055.500	黃槿	*Hibiscus tiliaceus*	130	4	12	FELL	FELL	FELL	
3801	CT1264	3801	811621.279	820056.564	台灣相思	*Acacia confusa*	100	5	8	FELL	FELL	FELL	
3801	CT1265	3801	811619.348	820054.325	紅膠木	*Lophostemon confertus*	100	5	8	FELL	FELL	FELL	
3801	CT1266	3801	811620.374	820057.219	大葉相思	*Acacia mangium*	120	1	6	FELL	FELL	FELL	
3801	CT1267	3801	811619.655	820057.960	大葉相思	*Acacia mangium*	350	5	16	FELL	FELL	FELL	
3801	CT1268	3801	811617.395	820058.807	楝	*Melia azedarach*	150	6	11	FELL	FELL	FELL	
3801	CT1269	3801	811619.470	820058.930	大葉相思	*Acacia mangium*	130	1	11	FELL	FELL	FELL	
3801	CT127	3801	811692.824	820160.944	大葉相思	*Acacia mangium*	220	6	12	FELL	FELL	FELL	
3801	CT1270	3801	811619.393	820059.762	大葉相思	*Acacia mangium*	160	2	14	FELL	FELL	FELL	
3801	CT1271	3801	811624.011	820062.722	台灣相思	*Acacia confusa*	180	3	15	FELL	FELL	FELL	
3801	CT1272	3801	811622.316	820064.100	台灣相思	*Acacia confusa*	190	5	12	FELL	FELL	FELL	
3801	CT1273	3801	811621.141	820063.192	台灣相思	*Acacia confusa*	170	3	11	FELL	FELL	FELL	
3801	CT1274	3801	811618.461	820062.540	楝	*Melia azedarach*	280	6	15	FELL	FELL	FELL	
3801	CT1275	3801	811618.213	820063.536	台灣相思	*Acacia confusa*	180	4	10	FELL	FELL	FELL	
3801	CT1276	3801	811620.568	820065.793	台灣相思	*Acacia confusa*	260	6	11	FELL	FELL	FELL	
3801	CT1277	3801	811615.659	820057.847	台灣相思	*Acacia confusa*	190	8	8	FELL	FELL	FELL	
3801	CT1278	3801	811614.812	820058.290	尾葉桉	*Eucalyptus urophylla*	450	8	20	FELL	FELL	FELL	
3801	CT128	3801	811690.112	820162.537	大葉相思	*Acacia mangium*	330	7	15	FELL	FELL	FELL	
3801	CT1280	3801	811613.313	820058.735	紅膠木	*Lophostemon confertus*	110	5	9	FELL	FELL	FELL	
3801	CT1281	3801	811610.873	820058.940	大葉相思	*Acacia mangium*	360	7	16	FELL	FELL	FELL	
3801	CT1282	3801	811610.668	820060.409	大葉相思	*Acacia mangium*	120	5	7	FELL	FELL	FELL	
3801	CT1283	3801	811610.597	820062.377	大葉相思	*Acacia mangium*	230	4	16	FELL	FELL	FELL	
3801	CT1284	3801	811607.665	820059.682	大葉相思	*Acacia mangium*	290	6	12	FELL	FELL	FELL	
3801	CT1285	3801	811607.536	820060.925	大葉相思	*Acacia mangium*	220	4	15	FELL	FELL	FELL	
3801	CT1287	3801	811608.440	820066.620	台灣相思	*Acacia confusa*	240	6	12	FELL	FELL	FELL	
3801	CT1288	3801	811606.768	820069.493	大葉相思	*Acacia mangium*	250	5	12	FELL	FELL	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3801	CT1289	3801	811605.304	820069.953	大葉相思	*Acacia mangium*	380	8	12	FELL	FELL	FELL	
3801	CT129	3801	811690.358	820160.586	大葉相思	*Acacia mangium*	130	7	10	FELL	FELL	FELL	
3801	CT1290	3801	811603.451	820068.775	大葉相思	*Acacia mangium*	320	8	15	FELL	FELL	FELL	
3801	CT1291	3801	811605.452	820067.383	台灣相思	*Acacia confusa*	210	9	10	FELL	FELL	FELL	
3801	CT1292	3801	811606.745	820067.803	台灣相思	*Acacia confusa*	250	5	15	FELL	FELL	FELL	
3801	CT1293	3801	811606.717	820066.758	台灣相思	*Acacia confusa*	140	4	12	FELL	FELL	FELL	
3801	CT1294	3801	811606.785	820066.146	台灣相思	*Acacia confusa*	100	4	7	FELL	FELL	FELL	
3801	CT1295	3801	811606.498	820064.918	台灣相思	*Acacia confusa*	120	5	8	FELL	FELL	FELL	
3801	CT1296	3801	811605.550	820065.321	台灣相思	*Acacia confusa*	100	6	8	FELL	FELL	FELL	
3801	CT1297	3801	811604.589	820063.802	台灣相思	*Acacia confusa*	380	8	11	FELL	FELL	FELL	
3801	CT1298	3801	811603.751	820063.459	台灣相思	*Acacia confusa*	140	5	4	FELL	FELL	FELL	
3801	CT130	3801	811688.375	820158.488	台灣相思	*Acacia confusa*	120	4	11	FELL	FELL	FELL	
3801	CT1300	3801	811618.362	820072.427	台灣相思	*Acacia confusa*	120	3	8	FELL	FELL	FELL	
3801	CT1302	3801	811622.585	820065.226	台灣相思	*Acacia confusa*	150	5	11	FELL	FELL	FELL	
3801	CT1303	3801	811626.904	820071.159	大葉相思	*Acacia mangium*	200	4	14	FELL	FELL	FELL	
3801	CT1306	3801	811629.785	820070.348	大葉相思	*Acacia mangium*	160	3	14	FELL	FELL	FELL	
3801	CT1307	3801	811628.994	820073.017	大葉相思	*Acacia mangium*	230	4	15	FELL	FELL	FELL	
3801	CT1308	3801	811635.324	820073.108	大葉相思	*Acacia mangium*	120	4	14	FELL	FELL	FELL	
3801	CT1309	3801	811635.673	820071.721	大葉相思	*Acacia mangium*	180	5	14	FELL	FELL	FELL	
3801	CT131	3801	811693.742	820155.840	大葉相思	*Acacia mangium*	220	4	8	FELL	FELL	FELL	
3801	CT1311	3801	811637.911	820070.255	大葉相思	*Acacia mangium*	300	5	15	FELL	FELL	FELL	
3801	CT1313	3801	811639.084	820071.703	大葉相思	*Acacia mangium*	300	6	15	FELL	FELL	FELL	
3801	CT1314	3801	811640.729	820070.597	大葉相思	*Acacia mangium*	150	2	8	FELL	FELL	FELL	
3801	CT1315	3801	811639.819	820072.291	大葉相思	*Acacia mangium*	160	4	11	FELL	FELL	FELL	
3801	CT1316	3801	811637.298	820075.442	台灣相思	*Acacia confusa*	170	4	14	FELL	FELL	FELL	
3801	CT1317	3801	811636.247	820076.238	台灣相思	*Acacia confusa*	150	4	15	FELL	FELL	FELL	
3801	CT1319	3801	811634.887	820077.749	台灣相思	*Acacia confusa*	120	5	10	FELL	FELL	FELL	
3801	CT132	3801	811693.236	820155.279	大葉相思	*Acacia mangium*	140	3	11	FELL	FELL	FELL	
3801	CT1320	3801	811632.856	820076.156	台灣相思	*Acacia confusa*	170	6	12	FELL	FELL	FELL	
3801	CT1321	3801	811631.814	820077.456	台灣相思	*Acacia confusa*	130	2	10	FELL	FELL	FELL	
3801	CT1322	3801	811630.009	820078.671	楝	*Melia azedarach*	270	5	14	FELL	FELL	FELL	
3801	CT1323	3801	811622.014	820078.397	大葉相思	*Acacia mangium*	140	7	6	FELL	FELL	FELL	
3801	CT1324	3801	811621.603	820078.664	大葉相思	*Acacia mangium*	260	6	13	FELL	FELL	FELL	
3801	CT1325	3801	811619.443	820079.972	大葉相思	*Acacia mangium*	140	6	10	FELL	FELL	FELL	
3801	CT1326	3801	811620.325	820080.663	大葉相思	*Acacia mangium*	350	7	12	FELL	FELL	FELL	
3801	CT1327	3801	811612.824	820086.555	旅人蕉	*Ravenala madagascariensis*	160	2	5	FELL	FELL	FELL	
3801	CT1328	3801	811576.335	820054.894	台灣相思	*Acacia confusa*	440	12	9	FELL	FELL	FELL	
3801	CT1329	3801	811615.419	820052.415	紅膠木	*Lophostemon confertus*	100	3	5	FELL	FELL	FELL	
3801	CT133	3801	811691.916	820152.671	大葉相思	*Acacia mangium*	290	6	12	FELL	FELL	FELL	
3801	CT1334	3801	811643.088	820040.639	大葉相思	*Acacia mangium*	300	5	14	FELL	FELL	FELL	
3801	CT1335	3801	811643.238	820042.562	黃槿	*Hibiscus tiliaceus*	110	4	6	FELL	FELL	FELL	
3801	CT1336	3801	811644.853	820044.200	大葉相思	*Acacia mangium*	150	2	10	FELL	FELL	FELL	
3801	CT1337	3801	811645.467	820044.164	大葉相思	*Acacia mangium*	250	6	13	FELL	FELL	FELL	
3801	CT1338	3801	811647.339	820045.445	大葉相思	*Acacia mangium*	310	5	14	FELL	FELL	FELL	
3801	CT1339	3801	811647.985	820044.867	大葉相思	*Acacia mangium*	160	5	8	FELL	FELL	FELL	
3801	CT134	3801	811691.325	820152.406	楝	*Melia azedarach*	280	7	12	FELL	FELL	FELL	
3801	CT1340	3801	811647.847	820046.273	黃槿	*Hibiscus tiliaceus*	100	3	7	FELL	FELL	FELL	
3801	CT1342	3801	811652.415	820044.718	死樹	Dead tree	230	4	7	FELL	FELL	FELL	
3801	CT1343	3801	811650.168	820049.929	大葉相思	*Acacia mangium*	280	4	14	FELL	FELL	FELL	
3801	CT1344	3801	811651.101	820051.318	大葉相思	*Acacia mangium*	230	3	12	FELL	FELL	FELL	
3801	CT1345	3801	811651.687	820052.090	大葉相思	*Acacia mangium*	250	5	11	FELL	FELL	FELL	
3801	CT1346	3801	811652.422	820052.719	大葉相思	*Acacia mangium*	100	4	6	FELL	FELL	FELL	
3801	CT1347	3801	811660.138	820057.935	台灣相思	*Acacia confusa*	130	5	8	FELL	FELL	FELL	
3801	CT1348	3801	811659.995	820058.726	台灣相思	*Acacia confusa*	200	4	10	FELL	FELL	FELL	
3801	CT135	3801	811690.529	820151.936	楝	*Melia azedarach*	140	6	10	FELL	FELL	FELL	
3801	CT136	3801	811689.178	820148.711	台灣相思	*Acacia confusa*	110	5	7	FELL	FELL	FELL	
3801	CT137	3801	811688.138	820148.992	台灣相思	*Acacia confusa*	120	4	7	FELL	FELL	FELL	
3801	CT1373	3801	811478.350	820107.230	楝	*Melia azedarach*	220	5	7	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT1375	3801	811478.960	820112.150	台灣相思	*Acacia confusa*	130	3	5	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT1376	3801	811479.940	820111.960	台灣相思	*Acacia confusa*	110	5	6	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT1378	3801	811484.080	820113.450	台灣相思	*Acacia confusa*	180	5	6	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT1379	3801	811484.940	820114.390	黃花夾竹桃	*Thevetia peruviana*	100	4	4	FELL	FELL	Not under 3RS contract works area	Status updated to retain in Feb 2021 and confirmed not locate within 3RS works area in May 2021.
3801	CT138	3801	811686.644	820153.384	台灣相思	*Acacia confusa*	187	5	11	FELL	FELL	FELL	
3801	CT1380	3801	811483.351	820116.098	楝	*Melia azedarach*	150	3	7	FELL	FELL	FELL	
3801	CT1381	3801	811483.244	820117.593	楝	*Melia azedarach*	220	4	7	FELL	FELL	FELL	
3801	CT1382	3801	811485.435	820117.488	黃槿	*Hibiscus tiliaceus*	130	4	6	FELL	FELL	FELL	
3801	CT1387	3801	811489.400	820123.200	大葉相思	*Acacia mangium*	160	4	9	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT1388	3801	811489.950	820123.660	羊蹄甲屬	*Bauhinia spp.*	100	4	6	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3801	CT1389	3801	811489.802	820124.525	大葉相思	*Acacia mangium*	230	4	7	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT139	3801	811684.867	820154.505	台灣相思	*Acacia confusa*	142	6	11	FELL	FELL	FELL	
3801	CT1390	3801	811493.120	820127.530	台灣相思	*Acacia confusa*	160	7	6	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT1391	3801	811493.560	820127.990	台灣相思	*Acacia confusa*	130	6	7	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT1392	3801	811492.950	820129.490	台灣相思	*Acacia confusa*	120	6	6	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT1393	3801	811495.560	820128.240	台灣相思	*Acacia confusa*	100	5	5	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT1394	3801	811494.630	820129.660	台灣相思	*Acacia confusa*	150	3	8	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT1395	3801	811494.440	820130.760	黃花夾竹桃	*Thevetia peruviana*	100	4	5	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT1396	3801	811495.470	820130.990	黃花夾竹桃	*Thevetia peruviana*	110	5	5	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT1397	3801	811499.890	820130.570	銀合歡	*Leucaena leucocephala*	190	6	9	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT1398	3801	811504.913	820134.222	黃槿	*Hibiscus tiliaceus*	110	4	6	FELL	FELL	FELL	
3801	CT1399	3801	811504.710	820133.380	台灣相思	*Acacia confusa*	100	4	5	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT140	3801	811682.454	820154.147	台灣相思	*Acacia confusa*	220	7	10	FELL	FELL	FELL	
3801	CT1401	3801	811505.556	820136.879	黃槿	*Hibiscus tiliaceus*	100	4	6	FELL	FELL	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT1403	3801	811509.950	820138.500	楝	*Melia azedarach*	130	5	7	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT1404	3801	811510.430	820138.390	楝	*Melia azedarach*	110	4	6	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT1406	3801	811515.030	820144.490	台灣相思	*Acacia confusa*	100	3	5	RETAIN	RETAIN	RETAIN	
3801	CT1408	3801	811523.766	820156.346	台灣相思	*Acacia confusa*	110	4	7	FELL	FELL	FELL	
3801	CT1409	3801	811524.439	820157.794	台灣相思	*Acacia confusa*	110	4	6	FELL	FELL	FELL	
3801	CT141	3801	811685.461	820158.845	台灣相思	*Acacia confusa*	214	7	12	FELL	FELL	FELL	
3801	CT1411	3801	811523.190	820161.190	黃花夾竹桃	*Thevetia peruviana*	100	4	6	RETAIN	RETAIN	RETAIN	
3801	CT1413	3801	811527.230	820165.090	羊蹄甲屬	*Bauhinia spp.*	130	6	5	RETAIN	RETAIN	RETAIN	
3801	CT1414	3801	811525.930	820164.220	羊蹄甲屬	*Bauhinia spp.*	160	6	6	RETAIN	RETAIN	RETAIN	
3801	CT1415	3801	811524.080	820163.520	羊蹄甲屬	*Bauhinia spp.*	130	5	8	RETAIN	RETAIN	RETAIN	
3801	CT1416	3801	811522.180	820161.470	羊蹄甲屬	*Bauhinia spp.*	110	6	6	RETAIN	RETAIN	RETAIN	
3801	CT1417	3801	811521.180	820161.130	台灣相思	*Acacia confusa*	160	5	11	RETAIN	RETAIN	FELL	Removed due to safety concern of Airport Express Line operation.
3801	CT1418	3801	811517.310	820159.920	黃槿	*Hibiscus tiliaceus*	230	8	10	RETAIN	RETAIN	RETAIN	
3801	CT142	3801	811681.989	820161.006	銀合歡	*Leucaena leucocephala*	100	3	13	FELL	FELL	FELL	
3801	CT1426	3802	811488.407	820155.898	大葉相思	*Acacia mangium*	120	5	5	RETAIN	RETAIN	TO-BE-FELLED	To-be-felled due to conflict with future 3RS works
3801	CT1427	3802	811487.122	820155.523	大葉相思	*Acacia mangium*	410	8	15	RETAIN	RETAIN	TO-BE-FELLED	To-be-felled due to conflict with future 3RS works
3801	CT1428	3802	811486.052	820154.674	大葉相思	*Acacia mangium*	390	7	16	RETAIN	RETAIN	TO-BE-FELLED	To-be-felled due to conflict with future 3RS works
3801	CT1429	3802	811485.208	820154.697	潺槁樹	*Litsea glutinosa*	149	6	9	RETAIN	RETAIN	TO-BE-FELLED	To-be-felled due to conflict with future 3RS works
3801	CT143	3801	811679.461	820160.363	台灣相思	*Acacia confusa*	186	4	12	FELL	FELL	FELL	
3801	CT1430	3801	811482.581	820152.646	黃槿	*Hibiscus tiliaceus*	180	8	14	FELL	FELL	FELL	
3801	CT1431	3801	811484.712	820149.682	紅膠木	*Lophostemon confertus*	110	6	6	FELL	FELL	FELL	
3801	CT1432	3802	811486.363	820148.963	紅膠木	*Lophostemon confertus*	110	4	7	RETAIN	RETAIN	TO-BE-FELLED	To-be-felled due to conflict with future 3RS works
3801	CT1433	3802	811483.288	820147.865	大葉相思	*Acacia mangium*	280	5	13	RETAIN	RETAIN	TO-BE-FELLED	To-be-felled due to conflict with future 3RS works
3801	CT1434	3801	811484.933	820146.409	黃槿	*Hibiscus tiliaceus*	200	4	6	FELL	FELL	FELL	
3801	CT1435	3801	811482.598	820145.589	大葉相思	*Acacia mangium*	180	3	6	FELL	FELL	FELL	
3801	CT1436	3801	811478.942	820150.082	楝	*Melia azedarach*	100	6	8	FELL	FELL	FELL	
3801	CT1437	3801	811476.562	820151.440	紅膠木	*Lophostemon confertus*	180	4	15	FELL	FELL	FELL	
3801	CT1438	3801	811475.167	820151.343	紅膠木	*Lophostemon confertus*	149	5	14	FELL	FELL	FELL	
3801	CT1439	3801	811476.251	820146.221	台灣相思	*Acacia confusa*	110	4	13	FELL	FELL	FELL	
3801	CT144	3801	811678.506	820160.891	台灣相思	*Acacia confusa*	120	4	12	FELL	FELL	FELL	
3801	CT1440	3801	811475.744	820145.599	台灣相思	*Acacia confusa*	240	6	15	FELL	FELL	FELL	
3801	CT1442	3801	811468.820	820131.727	黃槿	*Hibiscus tiliaceus*	190	8	10	FELL	FELL	FELL	
3801	CT1443	3801	811469.149	820123.608	黃槿	*Hibiscus tiliaceus*	160	6	9	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT1448	3801	811464.061	820117.944	台灣相思	*Acacia confusa*	110	4	8	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT1449	3801	811464.605	820117.022	台灣相思	*Acacia confusa*	110	3	8	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT145	3801	811677.559	820161.263	台灣相思	*Acacia confusa*	120	7	11	FELL	FELL	FELL	
3801	CT1450	3801	811463.188	820115.153	潺槁樹	*Litsea glutinosa*	100	5	7	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT1451	3801	811462.516	820116.395	台灣相思	*Acacia confusa*	180	6	10	RETAIN	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT1452	3801	811460.820	820118.492	大葉相思	*Acacia mangium*	250	5	13	FELL	FELL	FELL	
3801	CT1453	3801	811457.301	820119.470	羊蹄甲屬	*Bauhinia spp.*	110	6	7	FELL	FELL	FELL	
3801	CT1454	3801	811456.815	820122.820	細葉榕	*Ficus microcarpa*	140	4	5	FELL	FELL	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3801	CT1455	3801	811449.865	820117.011	大葉相思	*Acacia mangium*	180	5	8	FELL	FELL	FELL	
3801	CT1456	3801	811453.436	820115.681	黃槿	*Hibiscus tiliaceus*	100	5	8	FELL	FELL	FELL	
3801	CT1457	3801	811453.633	820114.931	黃槿	*Hibiscus tiliaceus*	130	6	10	FELL	FELL	FELL	
3801	CT1458	3801	811454.686	820114.537	黃槿	*Hibiscus tiliaceus*	160	5	10	FELL	FELL	FELL	
3801	CT1459	3801	811456.069	820114.382	黃槿	*Hibiscus tiliaceus*	130	4	10	FELL	FELL	FELL	
3801	CT146	3801	811677.850	820155.510	楝	*Melia azedarach*	360	14	12	FELL	FELL	FELL	
3801	CT1460	3801	811454.371	820112.693	大葉相思	*Acacia mangium*	190	6	10	FELL	FELL	FELL	
3801	CT1461	3801	811455.518	820112.302	大葉相思	*Acacia mangium*	150	5	11	FELL	FELL	FELL	
3801	CT1465	3801	811459.544	820110.471	台灣相思	*Acacia confusa*	110	7	7	FELL	FELL	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT1469	3801	811456.928	820104.333	黃槿	*Hibiscus tiliaceus*	190	8	11	FELL	FELL	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT147	3801	811676.956	820157.021	銀合歡	*Leucaena leucocephala*	120	7	11	FELL	FELL	FELL	
3801	CT1470	3801	811454.386	820104.735	大葉相思	*Acacia mangium*	350	7	15	FELL	FELL	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT1471	3801	811450.719	820111.181	羊蹄甲屬	*Bauhinia spp.*	210	7	9	FELL	FELL	FELL	
3801	CT1472	3801	811440.179	820139.344	台灣相思	*Acacia confusa*	340	7	14	FELL	FELL	FELL	
3801	CT1473	3801	811441.608	820140.438	台灣相思	*Acacia confusa*	269	7	7	FELL	FELL	FELL	
3801	CT1474	3801	811442.852	820140.406	大葉相思	*Acacia mangium*	260	5	10	FELL	FELL	FELL	
3801	CT1475	3801	811443.547	820140.181	大葉相思	*Acacia mangium*	210	6	13	FELL	FELL	FELL	
3801	CT1476	3801	811444.064	820139.125	大葉相思	*Acacia mangium*	110	5	6	FELL	FELL	FELL	
3801	CT1477	3801	811446.706	820140.094	大葉相思	*Acacia mangium*	350	8	15	FELL	FELL	FELL	
3801	CT1478	3801	811446.402	820140.830	大葉相思	*Acacia mangium*	260	8	14	FELL	FELL	FELL	
3801	CT1479	3801	811448.072	820142.206	紅膠木	*Lophostemon confertus*	150	5	10	FELL	FELL	FELL	
3801	CT148	3801	811673.636	820157.351	台灣相思	*Acacia confusa*	110	6	10	FELL	FELL	FELL	
3801	CT1480	3801	811449.306	820142.725	紅膠木	*Lophostemon confertus*	150	5	9	FELL	FELL	FELL	
3801	CT1481	3801	811450.085	820140.740	紅膠木	*Lophostemon confertus*	110	4	10	FELL	FELL	FELL	
3801	CT1482	3801	811450.558	820141.599	紅膠木	*Lophostemon confertus*	220	3	15	FELL	FELL	FELL	
3801	CT1483	3801	811450.388	820132.627	黃槿	*Hibiscus tiliaceus*	254	8	10	FELL	FELL	FELL	
3801	CT1484	3801	811451.668	820134.187	黃槿	*Hibiscus tiliaceus*	230	8	10	FELL	FELL	FELL	
3801	CT1485	3801	811457.459	820129.115	細葉榕	*Ficus microcarpa*	140	5	7	FELL	FELL	FELL	
3801	CT1486	3801	811463.072	820135.838	黃槿	*Hibiscus tiliaceus*	100	5	8	FELL	FELL	FELL	
3801	CT1487	3801	811461.865	820136.852	黃槿	*Hibiscus tiliaceus*	170	8	11	FELL	FELL	FELL	
3801	CT1488	3801	811461.273	820137.744	黃槿	*Hibiscus tiliaceus*	150	6	10	FELL	FELL	FELL	
3801	CT1489	3801	811459.659	820137.312	台灣相思	*Acacia confusa*	100	5	10	FELL	FELL	FELL	
3801	CT149	3801	811673.213	820158.776	台灣相思	*Acacia confusa*	158	7	10	FELL	FELL	FELL	
3801	CT1490	3801	811453.169	820143.395	黃槿	*Hibiscus tiliaceus*	100	12	8	FELL	FELL	FELL	
3801	CT1491	3801	811454.113	820142.348	黃槿	*Hibiscus tiliaceus*	200	7	13	FELL	FELL	FELL	
3801	CT1492	3801	811454.555	820143.391	黃槿	*Hibiscus tiliaceus*	140	7	12	FELL	FELL	FELL	
3801	CT1493	3801	811455.170	820144.072	黃槿	*Hibiscus tiliaceus*	130	6	8	FELL	FELL	FELL	
3801	CT1494	3801	811455.622	820143.023	黃槿	*Hibiscus tiliaceus*	140	5	12	FELL	FELL	FELL	
3801	CT1495	3801	811456.677	820144.407	黃槿	*Hibiscus tiliaceus*	320	12	14	FELL	FELL	FELL	
3801	CT1496	3801	811458.068	820144.427	黃槿	*Hibiscus tiliaceus*	250	12	14	FELL	FELL	FELL	
3801	CT1497	3801	811457.804	820142.600	黃槿	*Hibiscus tiliaceus*	170	8	10	FELL	FELL	FELL	
3801	CT1498	3801	811459.400	820142.432	黃槿	*Hibiscus tiliaceus*	170	6	12	FELL	FELL	FELL	
3801	CT1499	3801	811458.729	820145.511	大葉相思	*Acacia mangium*	200	6	15	FELL	FELL	FELL	
3801	CT150	3801	811672.400	820158.169	台灣相思	*Acacia confusa*	100	5	11	FELL	FELL	FELL	
3801	CT1500	3801	811460.064	820145.233	大葉相思	*Acacia mangium*	300	6	13	FELL	FELL	FELL	
3801	CT1501	3801	811460.764	820146.292	大葉相思	*Acacia mangium*	170	5	11	FELL	FELL	FELL	
3801	CT1502	3801	811464.165	820143.652	羊蹄甲屬	*Bauhinia spp.*	110	8	10	FELL	FELL	FELL	
3801	CT1503	3801	811464.748	820144.361	羊蹄甲屬	*Bauhinia spp.*	180	8	15	FELL	FELL	FELL	
3801	CT1504	3801	811464.766	820147.468	羊蹄甲屬	*Bauhinia spp.*	100	5	6	FELL	FELL	FELL	
3801	CT1505	3801	811466.932	820146.691	台灣相思	*Acacia confusa*	150	3	15	FELL	FELL	FELL	
3801	CT1506	3801	811467.327	820147.260	台灣相思	*Acacia confusa*	200	10	15	FELL	FELL	FELL	
3801	CT1507	3801	811467.737	820146.199	台灣相思	*Acacia confusa*	180	6	15	FELL	FELL	FELL	
3801	CT1508	3801	811469.768	820143.836	黃槿	*Hibiscus tiliaceus*	170	7	10	FELL	FELL	FELL	
3801	CT1509	3801	811470.662	820146.178	黃槿	*Hibiscus tiliaceus*	120	7	7	FELL	FELL	FELL	
3801	CT151	3801	811669.638	820159.704	台灣相思	*Acacia confusa*	184	7	10	FELL	FELL	FELL	
3801	CT1510	3801	811468.988	820147.294	黃槿	*Hibiscus tiliaceus*	220	9	14	FELL	FELL	FELL	
3801	CT1511	3801	811470.221	820147.208	黃槿	*Hibiscus tiliaceus*	230	8	13	FELL	FELL	FELL	
3801	CT1512	3801	811470.411	820148.880	黃槿	*Hibiscus tiliaceus*	310	12	15	FELL	FELL	FELL	
3801	CT1513	3801	811469.145	820149.581	黃槿	*Hibiscus tiliaceus*	140	7	12	FELL	FELL	FELL	
3801	CT1514	3801	811468.771	820148.627	黃槿	*Hibiscus tiliaceus*	230	8	15	FELL	FELL	FELL	
3801	CT1515	3802	811445.192	820185.063	羊蹄甲屬	*Bauhinia spp.*	160	4	7	RETAIN	RETAIN	FELL	Felled due to conflict with 3RS works
3801	CT1516	3802	811447.273	820185.038	羊蹄甲屬	*Bauhinia spp.*	120	4	6	RETAIN	RETAIN	FELL	Felled due to conflict with 3RS works
3801	CT1517	3802	811449.007	820185.903	楝	*Melia azedarach*	140	5	5	RETAIN	RETAIN	FELL	Felled due to conflict with 3RS works
3801	CT1518	3802	811502.864	820197.557	大葉相思	*Acacia mangium*	310	7	10	RETAIN	RETAIN	FELL	Felled due to conflict with 3RS works
3801	CT1519	3802	811503.420	820197.576	大葉相思	*Acacia mangium*	150	5	8	RETAIN	RETAIN	FELL	Felled due to conflict with 3RS works
3801	CT152	3801	811668.613	820159.904	台灣相思	*Acacia confusa*	140	6	10	FELL	FELL	FELL	
3801	CT1520	3802	811503.390	820198.788	紅膠木	*Lophostemon confertus*	140	5	6	RETAIN	RETAIN	FELL	Felled due to conflict with 3RS works
3801	CT1521	3802	811504.484	820198.881	紅膠木	*Lophostemon confertus*	110	5	5	RETAIN	RETAIN	FELL	Felled due to conflict with 3RS works
3801	CT1522	3802	811507.675	820200.094	大葉相思	*Acacia mangium*	300	8	11	RETAIN	RETAIN	FELL	Felled due to conflict with 3RS works
3801	CT1523	3802	811509.224	820197.715	台灣相思	*Acacia confusa*	480	10	10	RETAIN	RETAIN	FELL	Felled due to conflict with 3RS works
3801	CT1524	3802	811512.232	820199.176	潺槁樹	*Litsea glutinosa*	340	8	7	RETAIN	RETAIN	FELL	Felled due to conflict with 3RS works
3801	CT1525	3801	811524.855	820196.62	黃槿	*Hibiscus tiliaceus*	315	9	9	FELL	FELL	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3801	CT1526	3801	811528.464	820197.931	潺槁樹	*Litsea glutinosa*	130	2	8	FELL	FELL	FELL	
3801	CT1527	3801	811530.157	820202.241	台灣相思	*Acacia confusa*	190	8	9	FELL	FELL	FELL	
3801	CT1528	3801	811531.456	820201.819	台灣相思	*Acacia confusa*	170	8	10	FELL	FELL	FELL	
3801	CT1529	3801	811532.798	820201.518	台灣相思	*Acacia confusa*	230	6	11	FELL	FELL	FELL	
3801	CT153	3801	811667.746	820163.081	台灣相思	*Acacia confusa*	120	5	10	FELL	FELL	FELL	
3801	CT1530	3801	811533.631	820203.323	台灣相思	*Acacia confusa*	160	6	11	FELL	FELL	FELL	
3801	CT1531	3801	811533.060	820203.957	台灣相思	*Acacia confusa*	120	7	12	FELL	FELL	FELL	
3801	CT1532	3801	811528.736	820205.350	黃槿	*Hibiscus tiliaceus*	260	14	12	FELL	FELL	FELL	
3801	CT1533	3801	811527.794	820205.283	黃槿	*Hibiscus tiliaceus*	256	7	11	FELL	FELL	FELL	
3801	CT1536	3801	811529.440	820207.638	黃槿	*Hibiscus tiliaceus*	180	6	10	FELL	FELL	FELL	
3801	CT1537	3801	811530.052	820215.424	黃槿	*Hibiscus tiliaceus*	343	8	10	FELL	FELL	FELL	
3801	CT1538	3801	811531.053	820214.455	黃槿	*Hibiscus tiliaceus*	140	5	10	FELL	FELL	FELL	
3801	CT1539	3801	811531.553	820215.492	黃槿	*Hibiscus tiliaceus*	312	9	10	FELL	FELL	FELL	
3801	CT154	3801	811666.662	820162.647	台灣相思	*Acacia confusa*	140	7	12	FELL	FELL	FELL	
3801	CT1540	3801	811533.317	820209.086	台灣相思	*Acacia confusa*	110	5	10	FELL	FELL	FELL	
3801	CT1541	3801	811534.340	820209.244	台灣相思	*Acacia confusa*	130	5	11	FELL	FELL	FELL	
3801	CT1542	3801	811535.438	820209.635	台灣相思	*Acacia confusa*	160	5	11	FELL	FELL	FELL	
3801	CT1543	3801	811534.437	820208.264	台灣相思	*Acacia confusa*	350	11	14	FELL	FELL	FELL	
3801	CT1544	3801	811541.329	820209.083	黃槿	*Hibiscus tiliaceus*	150	7	11	FELL	FELL	FELL	
3801	CT1545	3801	811542.621	820209.510	黃槿	*Hibiscus tiliaceus*	100	7	7	FELL	FELL	FELL	
3801	CT1546	3801	811542.151	820211.165	黃槿	*Hibiscus tiliaceus*	150	7	10	FELL	FELL	FELL	
3801	CT1547	3801	811544.149	820211.673	台灣相思	*Acacia confusa*	190	7	13	FELL	FELL	FELL	
3801	CT1548	3801	811544.413	820210.407	台灣相思	*Acacia confusa*	270	8	14	FELL	FELL	FELL	
3801	CT1549	3801	811546.865	820211.707	大葉相思	*Acacia mangium*	170	5	11	FELL	FELL	FELL	
3801	CT155	3801	811666.611	820163.807	台灣相思	*Acacia confusa*	100	6	6	FELL	FELL	FELL	
3801	CT1550	3801	811546.747	820212.665	大葉相思	*Acacia mangium*	160	5	10	FELL	FELL	FELL	
3801	CT1551	3801	811547.796	820215.863	羊蹄甲屬	*Bauhinia spp.*	100	5	5	FELL	FELL	FELL	
3801	CT1552	3801	811545.487	820215.402	羊蹄甲屬	*Bauhinia spp.*	120	5	8	FELL	FELL	FELL	
3801	CT1553	3801	811538.095	820217.971	大葉相思	*Acacia mangium*	160	4	9	FELL	FELL	FELL	
3801	CT1554	3801	811539.014	820218.602	大葉相思	*Acacia mangium*	100	4	7	FELL	FELL	FELL	
3801	CT1555	3801	811539.321	820219.454	大葉相思	*Acacia mangium*	220	5	12	FELL	FELL	FELL	
3801	CT1556	3801	811539.868	820218.663	大葉相思	*Acacia mangium*	290	6	13	FELL	FELL	FELL	
3801	CT1557	3801	811540.921	820221.041	黃槿	*Hibiscus tiliaceus*	250	6	8	FELL	FELL	FELL	
3801	CT1558	3801	811541.612	820218.749	大葉相思	*Acacia mangium*	280	6	11	FELL	FELL	FELL	
3801	CT1559	3801	811542.978	820221.187	黃槿	*Hibiscus tiliaceus*	190	6	10	FELL	FELL	FELL	
3801	CT156	3801	811665.051	820163.492	台灣相思	*Acacia confusa*	110	5	10	FELL	FELL	FELL	
3801	CT1560	3801	811542.915	820222.447	黃槿	*Hibiscus tiliaceus*	180	5	10	FELL	FELL	FELL	
3801	CT1561	3801	811544.355	820222.750	黃槿	*Hibiscus tiliaceus*	350	10	8	FELL	FELL	FELL	
3801	CT1562	3801	811543.772	820221.872	黃槿	*Hibiscus tiliaceus*	100	5	9	FELL	FELL	FELL	
3801	CT1563	3801	811547.428	820222.653	紅花夾竹桃	*Nerium indicum*	160	8	6	FELL	FELL	FELL	
3801	CT1564	3801	811551.029	820225.987	大葉相思	*Acacia mangium*	180	4	9	FELL	FELL	FELL	
3801	CT1565	3801	811552.028	820223.701	大葉相思	*Acacia mangium*	210	7	10	FELL	FELL	FELL	
3801	CT1566	3801	811552.941	820224.343	大葉相思	*Acacia mangium*	330	8	11	FELL	FELL	FELL	
3801	CT1567	3801	811553.772	820224.388	大葉相思	*Acacia mangium*	140	4	8	FELL	FELL	FELL	
3801	CT1568	3801	811554.754	820216.516	紅膠木	*Lophostemon confertus*	160	3	9	FELL	FELL	FELL	
3801	CT1569	3801	811554.812	820217.597	紅膠木	*Lophostemon confertus*	200	4	9	FELL	FELL	FELL	
3801	CT157	3801	811664.319	820163.098	台灣相思	*Acacia confusa*	140	5	9	FELL	FELL	FELL	
3801	CT1570	3801	811580.721	820232.601	瀝地松	*Pinus elliottii*	140	4	7	FELL	FELL	FELL	
3801	CT1571	3801	811582.050	820232.978	瀝地松	*Pinus elliottii*	120	3	7	FELL	FELL	FELL	
3801	CT1572	3801	811584.740	820234.111	瀝地松	*Pinus elliottii*	100	2	6	FELL	FELL	FELL	
3801	CT158	3801	811664.962	820164.489	台灣相思	*Acacia confusa*	140	7	10	FELL	FELL	FELL	
3801	CT159	3801	811664.143	820165.097	台灣相思	*Acacia confusa*	158	7	9	FELL	FELL	FELL	
3801	CT161	3801	811666.039	820169.281	銀合歡	*Leucaena leucocephala*	110	6	14	FELL	FELL	FELL	
3801	CT162	3801	811668.833	820166.265	台灣相思	*Acacia confusa*	164	7	12	FELL	FELL	FELL	
3801	CT163	3801	811669.172	820164.397	台灣相思	*Acacia confusa*	100	6	8	FELL	FELL	FELL	
3801	CT164	3801	811669.899	820164.371	台灣相思	*Acacia confusa*	150	6	11	FELL	FELL	FELL	
3801	CT165	3801	811677.860	820166.248	台灣相思	*Acacia confusa*	120	5	12	FELL	FELL	FELL	
3801	CT166	3801	811677.983	820168.284	台灣相思	*Acacia confusa*	140	5	15	FELL	FELL	FELL	
3801	CT167	3801	811677.161	820168.643	台灣相思	*Acacia confusa*	100	6	10	FELL	FELL	FELL	
3801	CT168	3801	811675.424	820169.247	台灣相思	*Acacia confusa*	140	7	13	FELL	FELL	FELL	
3801	CT169	3801	811686.062	820165.938	楝	*Melia azedarach*	210	7	14	FELL	FELL	FELL	
3801	CT170	3801	811683.474	820167.147	大葉相思	*Acacia mangium*	210	7	15	FELL	FELL	FELL	
3801	CT171	3801	811681.322	820169.796	大葉相思	*Acacia mangium*	190	6	12	FELL	FELL	FELL	
3801	CT172	3801	811680.450	820169.984	黃花夾竹桃	*Thevetia peruviana*	110	5	8	FELL	FELL	FELL	
3801	CT173	3801	811676.672	820172.436	台灣相思	*Acacia confusa*	180	9	16	FELL	FELL	FELL	
3801	CT176	3801	811672.992	820174.377	台灣相思	*Acacia confusa*	210	7	16	FELL	FELL	FELL	
3801	CT177	3801	811671.350	820175.099	台灣相思	*Acacia confusa*	140	6	16	FELL	FELL	FELL	
3801	CT178	3801	811671.995	820172.922	羊蹄甲屬	*Bauhinia spp.*	110	7	9	FELL	FELL	FELL	
3801	CT179	3801	811669.648	820173.002	台灣相思	*Acacia confusa*	170	6	14	FELL	FELL	FELL	
3801	CT180	3801	811666.364	820175.308	台灣相思	*Acacia confusa*	180	7	16	FELL	FELL	FELL	
3801	CT181	3801	811665.456	820174.386	台灣相思	*Acacia confusa*	110	5	13	FELL	FELL	FELL	
3801	CT182	3801	811660.177	820171.247	台灣相思	*Acacia confusa*	120	5	10	FELL	FELL	FELL	
3801	CT183	3801	811658.475	820166.754	大葉相思	*Acacia mangium*	250	9	10	FELL	FELL	FELL	
3801	CT184	3801	811657.574	820166.492	大葉相思	*Acacia mangium*	220	6	10	FELL	FELL	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3801	CT1843	3801	811391.635	817613.111	細葉榕	*Ficus microcarpa*	310	3	6	RETAIN	RETAIN	Excluded from the Project	Tree was handed over from Contract 3801 to AAHK, and was excluded from the Project.
3801	CT1844	3801	811380.606	817612.382	細葉榕	*Ficus microcarpa*	570	4	8	RETAIN	RETAIN	Excluded from the Project	Tree was handed over from Contract 3801 to AAHK, and was excluded from the Project.
3801	CT1845	3801	811381.886	817624.303	細葉榕	*Ficus microcarpa*	520	4	7	RETAIN	RETAIN	Excluded from the Project	Tree was handed over from Contract 3801 to AAHK, and was excluded from the Project.
3801	CT1846	3801	811382.300	817634.589	細葉榕	*Ficus microcarpa*	410	4	7	RETAIN	RETAIN	Excluded from the Project	Tree was handed over from Contract 3801 to AAHK, and was excluded from the Project.
3801	CT1847	3801	811380.899	817640.183	細葉榕	*Ficus microcarpa*	590	4	6	RETAIN	RETAIN	Excluded from the Project	Tree was handed over from Contract 3801 to AAHK, and was excluded from the Project.
3801	CT1848	3801	811378.905	817645.662	細葉榕	*Ficus microcarpa*	480	4	8	RETAIN	RETAIN	Excluded from the Project	Tree was handed over from Contract 3801 to AAHK, and was excluded from the Project.
3801	CT1849	3801	811372.259	817656.310	細葉榕	*Ficus microcarpa*	320	4	7	RETAIN	RETAIN	Excluded from the Project	Tree was handed over from Contract 3801 to AAHK, and was excluded from the Project.
3801	CT185	3801	811657.255	820165.399	大葉相思	*Acacia mangium*	230	6	10	FELL	FELL	FELL	
3801	CT1850	3801	811363.127	817671.363	細葉榕	*Ficus microcarpa*	370	4	8	RETAIN	RETAIN	Excluded from the Project	Tree was handed over from Contract 3801 to AAHK, and was excluded from the Project.
3801	CT1851	3801	811363.547	817681.440	細葉榕	*Ficus microcarpa*	450	4	8	RETAIN	RETAIN	Excluded from the Project	Tree was handed over from Contract 3801 to AAHK, and was excluded from the Project.
3801	CT1852	3801	811359.624	817692.088	細葉榕	*Ficus microcarpa*	420	4	7	RETAIN	RETAIN	Excluded from the Project	Tree was handed over from Contract 3801 to AAHK, and was excluded from the Project.
3801	CT1853	3801	811354.966	817706.226	細葉榕	*Ficus microcarpa*	380	3	7	RETAIN	RETAIN	Excluded from the Project	Tree was handed over from Contract 3801 to AAHK, and was excluded from the Project.
3801	CT1855	3801	811343.868	817780.938	羊蹄甲屬	*Bauhinia* spp.	290	4	3	RETAIN	RETAIN	RETAIN	
3801	CT1856	3801	811343.087	817775.999	藍花楹	*Jacaranda mimosifolia*	210	5	7	RETAIN	RETAIN	RETAIN	
3801	CT1857	3801	811347.770	817768.980	羊蹄甲屬	*Bauhinia* spp.	280	7	6	RETAIN	RETAIN	RETAIN	
3801	CT1859	3801	811354.794	817740.366	羊蹄甲屬	*Bauhinia* spp.	230	4	7	RETAIN	RETAIN	Excluded from the Project	Tree was handed over from Contract 3801 to AAHK, and was excluded from the Project.
3801	CT186	3801	811657.592	820164.354	大葉相思	*Acacia mangium*	150	5	9	FELL	FELL	FELL	
3801	CT1860	3801	811356.875	817729.968	羊蹄甲屬	*Bauhinia* spp.	110	2	4	RETAIN	RETAIN	Excluded from the Project	Tree was handed over from Contract 3801 to AAHK, and was excluded from the Project.
3801	CT1861	3801	811357.838	817726.588	銀合歡	*Leucaena leucocephala*	130	3	8	RETAIN	RETAIN	Excluded from the Project	Tree was handed over from Contract 3801 to AAHK, and was excluded from the Project.
3801	CT1862	3801	811359.575	817718.314	羊蹄甲屬	*Bauhinia* spp.	180	4	7	RETAIN	RETAIN	Excluded from the Project	Tree was handed over from Contract 3801 to AAHK, and was excluded from the Project.
3801	CT1865	3801	811363.236	817705.666	羊蹄甲屬	*Bauhinia* spp.	240	3	8	RETAIN	RETAIN	Excluded from the Project	Tree was handed over from Contract 3801 to AAHK, and was excluded from the Project.
3801	CT1866	3801	811364.495	817701.562	羊蹄甲屬	*Bauhinia* spp.	230	4	10	RETAIN	RETAIN	Excluded from the Project	Tree was handed over from Contract 3801 to AAHK, and was excluded from the Project.
3801	CT1867	3801	811366.029	817697.454	羊蹄甲屬	*Bauhinia* spp.	270	5	7	RETAIN	RETAIN	Excluded from the Project	Tree was handed over from Contract 3801 to AAHK, and was excluded from the Project.
3801	CT1868	3801	811367.453	817693.620	羊蹄甲屬	*Bauhinia* spp.	260	4	8	RETAIN	RETAIN	Excluded from the Project	Tree was handed over from Contract 3801 to AAHK, and was excluded from the Project.
3801	CT1869	3801	811368.603	817689.845	羊蹄甲屬	*Bauhinia* spp.	280	4	7	RETAIN	RETAIN	Excluded from the Project	Tree was handed over from Contract 3801 to AAHK, and was excluded from the Project.
3801	CT187	3801	811656.760	820166.104	大葉相思	*Acacia mangium*	120	5	7	FELL	FELL	FELL	
3801	CT1870	3801	811367.667	817686.011	藍花楹	*Jacaranda mimosifolia*	160	4	8	RETAIN	RETAIN	Excluded from the Project	Tree was handed over from Contract 3801 to AAHK, and was excluded from the Project.
3801	CT1871	3801	811371.082	817683.385	紅花羊蹄甲	*Bauhinia purpurea*	180	6	8	RETAIN	RETAIN	Excluded from the Project	Tree was handed over from Contract 3801 to AAHK, and was excluded from the Project.
3801	CT1872	3801	811372.396	817679.098	紅花羊蹄甲	*Bauhinia purpurea*	220	4	8	RETAIN	RETAIN	Excluded from the Project	Tree was handed over from Contract 3801 to AAHK, and was excluded from the Project.
3801	CT1873	3801	811373.915	817674.713	羊蹄甲屬	*Bauhinia* spp.	160	1	5	RETAIN	RETAIN	Excluded from the Project	Tree was handed over from Contract 3801 to AAHK, and was excluded from the Project.
3801	CT1874	3801	811383.723	817650.311	洋紫荊	*Bauhinia x blakeana*	180	6	7	RETAIN	RETAIN	Excluded from the Project	Tree was handed over from Contract 3801 to AAHK, and was excluded from the Project.
3801	CT1876	3801	811399.008	817618.562	羊蹄甲屬	*Bauhinia* spp.	230	4	8	RETAIN	RETAIN	Excluded from the Project	Tree was handed over from Contract 3801 to AAHK, and was excluded from the Project.
3801	CT1877	3801	811402.845	817611.179	紅花羊蹄甲	*Bauhinia purpurea*	200	4	8	RETAIN	RETAIN	Excluded from the Project	Tree was handed over from Contract 3801 to AAHK, and was excluded from the Project.
3801	CT1878	3801	811405.603	817606.686	紅花羊蹄甲	*Bauhinia purpurea*	240	5	8	RETAIN	RETAIN	Excluded from the Project	Tree was handed over from Contract 3801 to AAHK, and was excluded from the Project.
3801	CT188	3801	811647.477	820168.303	台灣相思	*Acacia confusa*	130	7	10	FELL	FELL	FELL	
3801	CT1885	3801	811353.834	817631.933	鐵刀木	*Senna siamea (syn. Cassia siamea)*	240	3	7	RETAIN	RETAIN	RETAIN	
3801	CT1886	3801	811354.984	817636.267	鐵刀木	*Senna siamea (syn. Cassia siamea)*	260	4	10	RETAIN	RETAIN	RETAIN	
3801	CT1887	3801	811355.580	817640.384	麻楝	*Chukrasia tabularis*	110	2	5	RETAIN	RETAIN	RETAIN	
3801	CT1888	3802	811428.848	820134.355	細葉榕	*Ficus microcarpa*	300	6	8	RETAIN	RETAIN	FELL	Felled due to conflict with 3RS works
3801	CT189	3801	811648.680	820169.098	台灣相思	*Acacia confusa*	160	8	10	FELL	FELL	FELL	
3801	CT1891	3801	811421.766	820122.939	台灣相思	*Acacia confusa*	110	4	7	FELL	FELL	FELL	
3801	CT190	3801	811646.837	820168.898	台灣相思	*Acacia confusa*	130	5	9	FELL	FELL	FELL	
3801	CT1903	3801	811412.345	820118.269	耳果相思	*Acacia auriculiformis*	200	6	14	FELL	FELL	FELL	
3801	CT191	3801	811645.828	820169.164	台灣相思	*Acacia confusa*	180	7	10	FELL	FELL	FELL	
3801	CT1915	3801	811410.772	820117.821	台灣相思	*Acacia confusa*	110	6	11	FELL	FELL	FELL	
3801	CT1918	3801	811409.481	820113.127	羊蹄甲屬	*Bauhinia* spp.	110	6	8	FELL	FELL	FELL	
3801	CT1919	3801	811411.271	820111.204	黃槿	*Hibiscus tiliaceus*	155	7	8	FELL	FELL	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3801	CT192	3801	811644.947	820169.518	台灣相思	*Acacia confusa*	120	6	8	FELL	FELL	FELL	
3801	CT1920	3801	811406.304	820113.529	紅膠木	*Lophostemon confertus*	160	5	11	FELL	FELL	FELL	
3801	CT1921	3801	811405.857	820115.854	紅膠木	*Lophostemon confertus*	170	6	12	FELL	FELL	FELL	
3801	CT1922	3801	811403.620	820113.931	台灣相思	*Acacia confusa*	110	1	11	FELL	FELL	FELL	
3801	CT1923	3801	811403.396	820113.484	台灣相思	*Acacia confusa*	110	5	12	FELL	FELL	FELL	
3801	CT1924	3801	811400.089	820111.096	黃槿	*Hibiscus tiliaceus*	145	4	8	FELL	FELL	FELL	
3801	CT1925	3801	811399.866	820112.200	黃槿	*Hibiscus tiliaceus*	130	6	9	FELL	FELL	FELL	
3801	CT1926	3801	811398.996	820112.052	黃槿	*Hibiscus tiliaceus*	115	6	9	FELL	FELL	FELL	
3801	CT1927	3801	811399.271	820112.690	台灣相思	*Acacia confusa*	150	6	12	FELL	FELL	FELL	
3801	CT1928	3801	811398.235	820112.583	台灣相思	*Acacia confusa*	170	5	12	FELL	FELL	FELL	
3801	CT1929	3801	811396.943	820112.368	台灣相思	*Acacia confusa*	200	7	12	FELL	FELL	FELL	
3801	CT193	3801	811643.239	820169.055	黃槿	*Hibiscus tiliaceus*	100	6	4	FELL	FELL	FELL	
3801	CT1930	3801	811397.720	820111.779	黃槿	*Hibiscus tiliaceus*	200	6	11	FELL	FELL	FELL	
3801	CT1931	3801	811396.582	820111.552	黃槿	*Hibiscus tiliaceus*	210	6	11	FELL	FELL	FELL	
3801	CT1932	3801	811395.944	820111.552	黃槿	*Hibiscus tiliaceus*	283	7	13	FELL	FELL	FELL	
3801	CT194	3801	811647.099	820170.705	紅膠木	*Lophostemon confertus*	110	6	7	FELL	FELL	FELL	
3801	CT195	3801	811648.907	820170.951	紅膠木	*Lophostemon confertus*	120	5	9	FELL	FELL	FELL	
3801	CT196	3801	811656.047	820174.360	台灣相思	*Acacia confusa*	300	8	13	FELL	FELL	FELL	
3801	CT197	3801	811658.662	820177.947	楝	*Melia azedarach*	230	7	13	FELL	FELL	FELL	
3801	CT198	3801	811660.299	820178.993	台灣相思	*Acacia confusa*	130	6	10	FELL	FELL	FELL	
3801	CT199	3801	811657.880	820179.319	台灣相思	*Acacia confusa*	130	5	13	FELL	FELL	FELL	
3801	CT200	3801	811655.969	820178.959	台灣相思	*Acacia confusa*	100	3	10	FELL	FELL	FELL	
3801	CT201	3801	811655.786	820180.102	耳果相思	*Acacia auriculiformis*	180	6	14	FELL	FELL	FELL	
3801	CT202	3801	811652.113	820182.405	大葉相思	*Acacia mangium*	230	6	14	FELL	FELL	FELL	
3801	CT203	3801	811650.822	820177.183	銀合歡	*Leucaena leucocephala*	110	5	12	FELL	FELL	FELL	
3801	CT204	3801	811646.331	820176.852	台灣相思	*Acacia confusa*	150	7	11	FELL	FELL	FELL	
3801	CT205	3801	811645.269	820177.900	台灣相思	*Acacia confusa*	120	7	13	FELL	FELL	FELL	
3801	CT206	3801	811644.245	820178.156	台灣相思	*Acacia confusa*	170	8	15	FELL	FELL	FELL	
3801	CT207	3801	811644.127	820181.841	台灣相思	*Acacia confusa*	140	7	14	FELL	FELL	FELL	
3801	CT208	3801	811647.929	820181.165	台灣相思	*Acacia confusa*	130	5	14	FELL	FELL	FELL	
3801	CT209	3801	811648.879	820181.789	台灣相思	*Acacia confusa*	120	4	15	FELL	FELL	FELL	
3801	CT210	3801	811646.912	820182.868	台灣相思	*Acacia confusa*	130	4	14	FELL	FELL	FELL	
3801	CT212	3801	811645.445	820184.991	台灣相思	*Acacia confusa*	120	5	12	FELL	FELL	FELL	
3801	CT213	3801	811645.095	820186.558	台灣相思	*Acacia confusa*	140	5	12	FELL	FELL	FELL	
3801	CT214	3801	811643.149	820186.397	青果榕	*Ficus variegata*	220	8	15	FELL	FELL	FELL	
3801	CT217	3801	811639.417	820188.072	台灣相思	*Acacia confusa*	170	6	11	FELL	FELL	FELL	
3801	CT218	3801	811636.965	820188.049	台灣相思	*Acacia confusa*	150	5	11	FELL	FELL	FELL	
3801	CT219	3801	811640.292	820184.068	台灣相思	*Acacia confusa*	140	5	12	FELL	FELL	FELL	
3801	CT220	3801	811641.476	820182.823	台灣相思	*Acacia confusa*	120	6	13	FELL	FELL	FELL	
3801	CT221	3801	811639.794	820181.531	台灣相思	*Acacia confusa*	130	6	13	FELL	FELL	FELL	
3801	CT222	3801	811639.073	820180.793	台灣相思	*Acacia confusa*	112	5	13	FELL	FELL	FELL	
3801	CT223	3801	811637.328	820181.255	台灣相思	*Acacia confusa*	130	7	12	FELL	FELL	FELL	
3801	CT224	3801	811636.552	820182.481	台灣相思	*Acacia confusa*	180	8	12	FELL	FELL	FELL	
3801	CT225	3801	811638.424	820179.225	台灣相思	*Acacia confusa*	249	8	12	FELL	FELL	FELL	
3801	CT226	3801	811638.866	820172.737	紅膠木	*Lophostemon confertus*	120	5	9	FELL	FELL	FELL	
3801	CT227	3801	811637.149	820173.115	紅膠木	*Lophostemon confertus*	110	4	8	FELL	FELL	FELL	
3801	CT228	3801	811635.727	820172.814	台灣相思	*Acacia confusa*	160	7	10	FELL	FELL	FELL	
3801	CT229	3801	811634.606	820175.087	黃槿	*Hibiscus tiliaceus*	110	5	7	FELL	FELL	FELL	
3801	CT230	3801	811633.556	820175.201	黃槿	*Hibiscus tiliaceus*	100	5	6	FELL	FELL	FELL	
3801	CT231	3801	811632.835	820174.508	紅膠木	*Lophostemon confertus*	110	7	6	FELL	FELL	FELL	
3801	CT232	3801	811629.994	820175.478	紅膠木	*Lophostemon confertus*	100	4	5	FELL	FELL	FELL	
3801	CT233	3801	811628.890	820172.596	楝	*Melia azedarach*	150	6	7	FELL	FELL	FELL	
3801	CT234	3801	811627.992	820173.085	楝	*Melia azedarach*	130	5	8	FELL	FELL	FELL	
3801	CT235	3801	811627.127	820173.390	台灣相思	*Acacia confusa*	120	4	8	FELL	FELL	FELL	
3801	CT236	3801	811626.228	820173.720	台灣相思	*Acacia confusa*	160	7	9	FELL	FELL	FELL	
3801	CT237	3801	811625.334	820174.019	台灣相思	*Acacia confusa*	261	8	10	FELL	FELL	FELL	
3801	CT238	3801	811625.774	820175.690	台灣相思	*Acacia confusa*	130	6	9	FELL	FELL	FELL	
3801	CT239	3801	811627.687	820175.277	台灣相思	*Acacia confusa*	140	5	9	FELL	FELL	FELL	
3801	CT240	3801	811626.430	820178.005	大葉相思	*Acacia mangium*	140	2	10	FELL	FELL	FELL	
3801	CT241	3801	811627.306	820178.934	大葉相思	*Acacia mangium*	200	4	10	FELL	FELL	FELL	
3801	CT242	3801	811634.271	820182.916	死樹	Dead tree	100	6	4	FELL	FELL	FELL	
3801	CT243	3801	811627.061	820182.529	楝	*Melia azedarach*	220	8	9	FELL	FELL	FELL	
3801	CT244	3801	811625.027	820183.954	台灣相思	*Acacia confusa*	158	5	9	FELL	FELL	FELL	
3801	CT245	3801	811623.381	820183.302	台灣相思	*Acacia confusa*	100	5	8	FELL	FELL	FELL	
3801	CT246	3801	811622.449	820183.456	台灣相思	*Acacia confusa*	130	5	11	FELL	FELL	FELL	
3801	CT247	3801	811622.881	820185.972	楝	*Melia azedarach*	260	9	10	FELL	FELL	FELL	
3801	CT248	3801	811626.322	820187.588	台灣相思	*Acacia confusa*	130	6	11	FELL	FELL	FELL	
3801	CT249	3801	811627.316	820187.632	台灣相思	*Acacia confusa*	140	6	12	FELL	FELL	FELL	
3801	CT250	3801	811626.093	820188.988	台灣相思	*Acacia confusa*	110	5	10	FELL	FELL	FELL	
3801	CT251	3801	811628.441	820189.007	台灣相思	*Acacia confusa*	100	6	9	FELL	FELL	FELL	
3801	CT252	3801	811629.038	820188.473	台灣相思	*Acacia confusa*	100	4	14	FELL	FELL	FELL	
3801	CT253	3801	811628.994	820187.277	台灣相思	*Acacia confusa*	190	9	15	FELL	FELL	FELL	
3801	CT254	3801	811634.744	820190.433	台灣相思	*Acacia confusa*	162	6	9	FELL	FELL	FELL	
3801	CT255	3801	811627.857	820192.216	大葉相思	*Acacia mangium*	350	10	14	FELL	FELL	FELL	
3801	CT256	3801	811620.891	820192.285	台灣相思	*Acacia confusa*	130	6	10	FELL	FELL	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3801	CT257	3801	811620.248	820191.642	台灣相思	*Acacia confusa*	110	5	5	FELL	FELL	FELL	
3801	CT258	3801	811618.360	820191.8	台灣相思	*Acacia confusa*	230	8	13	FELL	FELL	FELL	
3801	CT259	3801	811616.201	820189.564	台灣相思	*Acacia confusa*	160	8	13	FELL	FELL	FELL	
3801	CT260	3801	811617.578	820188.518	台灣相思	*Acacia confusa*	150	6	11	FELL	FELL	FELL	
3801	CT261	3801	811616.667	820188.642	台灣相思	*Acacia confusa*	198	4	12	FELL	FELL	FELL	
3801	CT262	3801	811616.286	820186.763	台灣相思	*Acacia confusa*	156	5	14	FELL	FELL	FELL	
3801	CT263	3801	811615.407	820186.922	台灣相思	*Acacia confusa*	120	6	12	FELL	FELL	FELL	
3801	CT264	3801	811612.672	820191.971	楝	*Melia azedarach*	220	7	10	FELL	FELL	FELL	
3801	CT265	3801	811608.837	820192.214	黃槿	*Hibiscus tiliaceus*	130	9	8	FELL	FELL	FELL	
3801	CT266	3801	811607.771	820192.352	黃槿	*Hibiscus tiliaceus*	110	7	9	FELL	FELL	FELL	
3801	CT267	3801	811605.940	820196.44	台灣相思	*Acacia confusa*	180	10	9	FELL	FELL	FELL	
3801	CT268	3801	811603.780	820194.29	耳果相思	*Acacia auriculiformis*	310	5	13	FELL	FELL	FELL	
3801	CT269	3801	811603.510	820195.09	耳果相思	*Acacia auriculiformis*	249	5	13	FELL	FELL	FELL	
3801	CT27	3801	811752.679	820070.061	台灣相思	*Acacia confusa*	120	6	5	FELL	FELL	FELL	
3801	CT270	3801	811602.800	820202.900	台灣相思	*Acacia confusa*	156	6	10	FELL	FELL	FELL	
3801	CT271	3801	811602.570	820204.130	台灣相思	*Acacia confusa*	177	8	10	FELL	FELL	FELL	
3801	CT272	3801	811601.180	820204.200	台灣相思	*Acacia confusa*	177	8	10	FELL	FELL	FELL	
3801	CT273	3801	811595.900	820198.76	楝	*Melia azedarach*	290	7	10	FELL	FELL	FELL	
3801	CT274	3801	811596.800	820196.99	楝	*Melia azedarach*	160	6	9	FELL	FELL	FELL	
3801	CT275	3801	811595.840	820197.14	楝	*Melia azedarach*	240	6	11	FELL	FELL	FELL	
3801	CT276	3801	811595.260	820197.820	楝	*Melia azedarach*	100	5	5	TRANSPLANT	TRANSPLANTED	TRANSPLANTED	
3801	CT277	3801	811593.710	820196.84	楝	*Melia azedarach*	240	7	11	FELL	FELL	FELL	
3801	CT278	3801	811593.220	820197.56	台灣相思	*Acacia confusa*	100	4	4	FELL	FELL	FELL	
3801	CT279	3801	811592.440	820195.41	大葉相思	*Acacia mangium*	470	8	15	FELL	FELL	FELL	
3801	CT28	3801	811749.735	820076.922	台灣相思	*Acacia confusa*	110	6	10	FELL	FELL	FELL	
3801	CT280	3801	811588.930	820194.17	楝	*Melia azedarach*	220	5	15	FELL	FELL	FELL	
3801	CT281	3801	811590.545	820190.559	台灣相思	*Acacia confusa*	170	8	13	FELL	FELL	FELL	
3801	CT282	3801	811590.413	820189.831	台灣相思	*Acacia confusa*	110	4	4	FELL	FELL	FELL	
3801	CT283	3801	811591.912	820189.888	台灣相思	*Acacia confusa*	130	8	13	FELL	FELL	FELL	
3801	CT284	3801	811592.465	820190.999	台灣相思	*Acacia confusa*	150	6	14	FELL	FELL	FELL	
3801	CT285	3801	811593.309	820192.003	台灣相思	*Acacia confusa*	170	6	14	FELL	FELL	FELL	
3801	CT286	3801	811597.544	820189.239	楝	*Melia azedarach*	410	15	14	FELL	FELL	FELL	
3801	CT287	3801	811598.413	820188.294	台灣相思	*Acacia confusa*	110	6	6	FELL	FELL	FELL	
3801	CT288	3801	811599.048	820187.264	台灣相思	*Acacia confusa*	160	5	12	FELL	FELL	FELL	
3801	CT289	3801	811599.833	820186.409	台灣相思	*Acacia confusa*	130	7	4	FELL	FELL	FELL	
3801	CT29	3801	811748.524	820077.019	台灣相思	*Acacia confusa*	230	6	9	FELL	FELL	FELL	
3801	CT290	3801	811600.576	820186.269	台灣相思	*Acacia confusa*	226	6	14	FELL	FELL	FELL	
3801	CT292	3801	811602.567	820188.954	黃槿	*Hibiscus tiliaceus*	120	5	7	FELL	FELL	FELL	
3801	CT293	3801	811610.278	820183.583	台灣相思	*Acacia confusa*	150	6	13	FELL	FELL	FELL	
3801	CT294	3801	811610.664	820182.520	台灣相思	*Acacia confusa*	160	8	13	FELL	FELL	FELL	
3801	CT295	3801	811613.009	820183.408	台灣相思	*Acacia confusa*	110	2	10	FELL	FELL	FELL	
3801	CT296	3801	811615.405	820179.992	台灣相思	*Acacia confusa*	140	7	12	FELL	FELL	FELL	
3801	CT297	3801	811616.217	820179.134	台灣相思	*Acacia confusa*	150	8	12	FELL	FELL	FELL	
3801	CT298	3801	811618.344	820180.692	台灣相思	*Acacia confusa*	130	4	10	FELL	FELL	FELL	
3801	CT299	3801	811618.669	820179.628	台灣相思	*Acacia confusa*	120	5	10	FELL	FELL	FELL	
3801	CT30	3801	811749.506	820077.887	台灣相思	*Acacia confusa*	180	5	9	FELL	FELL	FELL	
3801	CT300	3801	811617.973	820179.118	台灣相思	*Acacia confusa*	222	7	10	FELL	FELL	FELL	
3801	CT301	3801	811613.979	820174.946	台灣相思	*Acacia confusa*	120	4	7	FELL	FELL	FELL	
3801	CT302	3801	811608.407	820175.061	潺槁樹	*Litsea glutinosa*	110	5	5	FELL	FELL	FELL	
3801	CT303	3801	811606.791	820175.354	台灣相思	*Acacia confusa*	170	7	9	FELL	FELL	FELL	
3801	CT304	3801	811605.578	820176.479	台灣相思	*Acacia confusa*	140	7	9	FELL	FELL	FELL	
3801	CT305	3801	811607.000	820178.026	紅膠木	*Lophostemon confertus*	110	4	8	FELL	FELL	FELL	
3801	CT306	3801	811608.708	820177.804	紅膠木	*Lophostemon confertus*	160	5	9	FELL	FELL	FELL	
3801	CT307	3801	811609.093	820179.437	紅膠木	*Lophostemon confertus*	110	5	9	FELL	FELL	FELL	
3801	CT308	3801	811609.490	820180.219	紅膠木	*Lophostemon confertus*	110	5	9	FELL	FELL	FELL	
3801	CT31	3801	811751.161	820077.486	楝	*Melia azedarach*	180	6	7	FELL	FELL	FELL	
3801	CT310	3801	811605.323	820181.508	黃槿	*Hibiscus tiliaceus*	110	5	8	FELL	FELL	FELL	
3801	CT311	3801	811600.991	820178.702	台灣相思	*Acacia confusa*	180	8	12	FELL	FELL	FELL	
3801	CT312	3801	811598.721	820180.011	羊蹄甲屬	*Bauhinia* spp.	100	4	5	FELL	FELL	FELL	
3801	CT313	3801	811598.031	820178.956	楝	*Melia azedarach*	210	8	9	FELL	FELL	FELL	
3801	CT314	3801	811598.059	820177.339	楝	*Melia azedarach*	200	8	7	FELL	FELL	FELL	
3801	CT315	3801	811598.245	820175.703	大葉相思	*Acacia mangium*	180	8	9	FELL	FELL	FELL	
3801	CT316	3801	811596.075	820176.511	台灣相思	*Acacia confusa*	100	4	5	FELL	FELL	FELL	
3801	CT317	3801	811595.119	820180.506	台灣相思	*Acacia confusa*	120	5	10	FELL	FELL	FELL	
3801	CT318	3801	811600.488	820183.166	大葉相思	*Acacia mangium*	120	10	4	FELL	FELL	FELL	
3801	CT319	3801	811589.055	820183.051	黃槿	*Hibiscus tiliaceus*	180	8	10	FELL	FELL	FELL	
3801	CT32	3801	811750.827	820079.902	楝	*Melia azedarach*	230	6	11	FELL	FELL	FELL	
3801	CT320	3801	811588.532	820181.949	黃槿	*Hibiscus tiliaceus*	100	5	5	FELL	FELL	FELL	
3801	CT321	3801	811588.774	820183.646	黃槿	*Hibiscus tiliaceus*	120	5	10	FELL	FELL	FELL	
3801	CT322	3801	811590.517	820183.644	台灣相思	*Acacia confusa*	100	4	9	FELL	FELL	FELL	
3801	CT323	3801	811588.233	820186.440	台灣相思	*Acacia confusa*	140	4	12	FELL	FELL	FELL	
3801	CT324	3801	811587.510	820186.455	台灣相思	*Acacia confusa*	170	6	12	FELL	FELL	FELL	
3801	CT325	3801	811586.351	820186.221	台灣相思	*Acacia confusa*	160	8	12	FELL	FELL	FELL	
3801	CT326	3801	811584.605	820185.869	台灣相思	*Acacia confusa*	100	7	11	FELL	FELL	FELL	
3801	CT327	3801	811587.177	820184.553	台灣相思	*Acacia confusa*	100	5	9	FELL	FELL	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3801	CT328	3801	811586.244	820184.265	台灣相思	*Acacia confusa*	130	6	14	FELL	FELL	FELL	
3801	CT329	3801	811585.496	820184.249	台灣相思	*Acacia confusa*	100	4	12	FELL	FELL	FELL	
3801	CT33	3801	811749.556	820079.688	楝	*Melia azedarach*	260	10	10	FELL	FELL	FELL	
3801	CT330	3801	811586.581	820183.557	黃槿	*Hibiscus tiliaceus*	170	8	10	FELL	FELL	FELL	
3801	CT331	3801	811587.165	820181.696	黃槿	*Hibiscus tiliaceus*	100	7	7	FELL	FELL	FELL	
3801	CT332	3801	811583.918	820180.155	大葉相思	*Acacia mangium*	140	4	12	FELL	FELL	FELL	
3801	CT333	3801	811584.895	820179.336	大葉相思	*Acacia mangium*	210	6	11	FELL	FELL	FELL	
3801	CT334	3801	811581.583	820176.857	黃槿	*Hibiscus tiliaceus*	180	8	10	FELL	FELL	FELL	
3801	CT335	3801	811580.963	820175.778	黃槿	*Hibiscus tiliaceus*	200	9	9	FELL	FELL	FELL	
3801	CT336	3801	811579.604	820175.243	黃槿	*Hibiscus tiliaceus*	120	7	8	FELL	FELL	FELL	
3801	CT337	3801	811577.501	820175.575	楝	*Melia azedarach*	180	7	10	FELL	FELL	FELL	
3801	CT338	3801	811580.583	820180.042	紅膠木	*Lophostemon confertus*	100	4	10	FELL	FELL	FELL	
3801	CT339	3801	811580.319	820182.740	台灣相思	*Acacia confusa*	140	7	11	FELL	FELL	FELL	
3801	CT34	3801	811748.574	820079.676	台灣相思	*Acacia confusa*	170	6	9	FELL	FELL	FELL	
3801	CT340	3801	811579.356	820183.553	台灣相思	*Acacia confusa*	110	7	5	FELL	FELL	FELL	
3801	CT341	3801	811577.983	820182.648	台灣相思	*Acacia confusa*	150	8	12	FELL	FELL	FELL	
3801	CT342	3801	811576.174	820181.160	耳果相思	*Acacia auriculiformis*	130	4	9	FELL	FELL	FELL	
3801	CT343	3801	811580.652	820183.828	台灣相思	*Acacia confusa*	130	7	12	FELL	FELL	FELL	
3801	CT344	3801	811579.769	820184.596	台灣相思	*Acacia confusa*	170	8	12	FELL	FELL	FELL	
3801	CT345	3801	811579.003	820185.295	台灣相思	*Acacia confusa*	170	7	3	FELL	FELL	FELL	
3801	CT347	3801	811571.962	820182.147	黃槿	*Hibiscus tiliaceus*	140	8	7	FELL	FELL	FELL	
3801	CT347A	3801	811569.712	820181.571	黃槿	*Hibiscus tiliaceus*	110	7	8	FELL	FELL	FELL	
3801	CT348	3801	811570.618	820176.739	黃槿	*Hibiscus tiliaceus*	120	5	5	FELL	FELL	FELL	
3801	CT348A	3801	811570.306	820180.994	黃槿	*Hibiscus tiliaceus*	110	7	8	FELL	FELL	FELL	
3801	CT349	3801	811571.688	820176.833	黃槿	*Hibiscus tiliaceus*	120	5	7	FELL	FELL	FELL	
3801	CT35	3801	811747.949	820078.950	台灣相思	*Acacia confusa*	130	6	9	FELL	FELL	FELL	
3801	CT350	3801	811571.441	820176.083	黃槿	*Hibiscus tiliaceus*	140	6	8	FELL	FELL	FELL	
3801	CT351	3801	811572.443	820173.627	楝	*Melia azedarach*	180	6	9	FELL	FELL	FELL	
3801	CT352	3801	811569.070	820173.973	紅膠木	*Lophostemon confertus*	120	5	8	FELL	FELL	FELL	
3801	CT353	3801	811568.271	820174.479	紅膠木	*Lophostemon confertus*	180	8	13	FELL	FELL	FELL	
3801	CT354	3801	811566.584	820173.781	台灣相思	*Acacia confusa*	130	8	14	FELL	FELL	FELL	
3801	CT355	3801	811566.157	820174.421	台灣相思	*Acacia confusa*	160	7	14	FELL	FELL	FELL	
3801	CT356	3801	811565.050	820176.274	台灣相思	*Acacia confusa*	190	9	11	FELL	FELL	FELL	
3801	CT356A	3801	811563.000	820174.348	黃花夾竹桃	*Thevetia peruviana*	120	5	5	FELL	FELL	FELL	
3801	CT357	3801	811562.290	820169.075	黃槿	*Hibiscus tiliaceus*	100	7	5	FELL	FELL	FELL	
3801	CT358	3801	811561.220	820169.530	黃槿	*Hibiscus tiliaceus*	130	6	6	FELL	FELL	FELL	
3801	CT359	3801	811562.410	820166.168	黃槿	*Hibiscus tiliaceus*	180	7	9	FELL	FELL	FELL	
3801	CT36	3801	811748.387	820082.323	台灣相思	*Acacia confusa*	110	6	7	FELL	FELL	FELL	
3801	CT360	3801	811563.474	820167.774	黃槿	*Hibiscus tiliaceus*	100	5	4	FELL	FELL	FELL	
3801	CT361	3801	811557.571	820164.222	黃槿	*Hibiscus tiliaceus*	200	9	10	FELL	FELL	FELL	
3801	CT362	3801	811556.710	820163.534	黃槿	*Hibiscus tiliaceus*	170	8	9	FELL	FELL	FELL	
3801	CT363	3801	811556.379	820166.009	台灣相思	*Acacia confusa*	150	7	11	FELL	FELL	FELL	
3801	CT364	3801	811556.397	820169.840	黃槿	*Hibiscus tiliaceus*	170	7	10	FELL	FELL	FELL	
3801	CT365	3801	811556.338	820170.816	黃槿	*Hibiscus tiliaceus*	230	10	10	FELL	FELL	FELL	
3801	CT366	3801	811554.484	820168.727	黃槿	*Hibiscus tiliaceus*	110	4	7	FELL	FELL	FELL	
3801	CT369	3801	811545.411	820159.783	台灣相思	*Acacia confusa*	120	7	7	FELL	FELL	FELL	
3801	CT369A	3801	811546.329	820157.769	黃花夾竹桃	*Thevetia peruviana*	120	5	5	FELL	FELL	FELL	
3801	CT37	3801	811750.258	820081.748	台灣相思	*Acacia confusa*	150	5	6	FELL	FELL	FELL	
3801	CT370	3801	811539.719	820144.976	黃槿	*Hibiscus tiliaceus*	150	5	9	FELL	FELL	FELL	
3801	CT371	3801	811540.311	820145.315	死樹	Dead tree	160	5	9	FELL	FELL	FELL	
3801	CT372	3801	811542.162	820144.061	楝	*Melia azedarach*	170	8	12	FELL	FELL	FELL	
3801	CT373	3801	811541.862	820141.012	楝	*Melia azedarach*	110	5	9	FELL	FELL	FELL	
3801	CT374	3801	811541.995	820140.255	楝	*Melia azedarach*	150	5	9	FELL	FELL	FELL	
3801	CT375	3801	811540.395	820138.731	台灣相思	*Acacia confusa*	140	7	10	FELL	FELL	FELL	
3801	CT376	3801	811539.691	820138.373	台灣相思	*Acacia confusa*	100	2	4	FELL	FELL	FELL	
3801	CT377	3801	811540.038	820137.499	台灣相思	*Acacia confusa*	140	5	13	FELL	FELL	FELL	
3801	CT378	3801	811541.467	820138.117	台灣相思	*Acacia confusa*	160	6	10	FELL	FELL	FELL	
3801	CT379	3801	811542.477	820136.790	台灣相思	*Acacia confusa*	130	7	9	FELL	FELL	FELL	
3801	CT37A	3801	811749.695	820082.564	台灣相思	*Acacia confusa*	110	5	5	FELL	FELL	FELL	
3801	CT38	3801	811747.748	820087.335	台灣相思	*Acacia confusa*	160	5	5	FELL	FELL	FELL	
3801	CT380	3801	811541.016	820135.756	黃槿	*Hibiscus tiliaceus*	180	6	10	FELL	FELL	FELL	
3801	CT381	3801	811541.415	820135.206	黃槿	*Hibiscus tiliaceus*	277	8	11	FELL	FELL	FELL	
3801	CT382	3801	811544.472	820136.937	大葉相思	*Acacia mangium*	200	7	13	FELL	FELL	FELL	
3801	CT383	3801	811545.009	820136.290	大葉相思	*Acacia mangium*	150	5	11	FELL	FELL	FELL	
3801	CT384	3801	811546.860	820134.049	楝	*Melia azedarach*	130	8	5	FELL	FELL	FELL	
3801	CT385	3801	811547.407	820133.621	楝	*Melia azedarach*	390	10	13	FELL	FELL	FELL	
3801	CT386	3801	811545.164	820131.244	楝	*Melia azedarach*	210	6	14	FELL	FELL	FELL	
3801	CT387	3801	811546.463	820129.222	黃槿	*Hibiscus tiliaceus*	220	6	9	FELL	FELL	FELL	
3801	CT388	3801	811549.776	820127.886	台灣相思	*Acacia confusa*	130	4	8	FELL	FELL	FELL	
3801	CT389	3801	811550.014	820127.527	楝	*Melia azedarach*	230	7	14	FELL	FELL	FELL	
3801	CT39	3801	811746.892	820087.273	台灣相思	*Acacia confusa*	200	6	9	FELL	FELL	FELL	
3801	CT390	3801	811550.829	820128.488	台灣相思	*Acacia confusa*	140	5	8	FELL	FELL	FELL	
3801	CT391	3801	811551.538	820127.006	楝	*Melia azedarach*	110	4	9	FELL	FELL	FELL	
3801	CT392	3801	811551.629	820128.109	台灣相思	*Acacia confusa*	260	9	15	FELL	FELL	FELL	
3801	CT393	3801	811552.278	820127.864	台灣相思	*Acacia confusa*	130	5	9	FELL	FELL	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3801	CT394	3801	811554.501	820126.665	楝	*Melia azedarach*	190	6	15	FELL	FELL	FELL	
3801	CT395	3801	811556.164	820124.991	楝	*Melia azedarach*	150	5	9	FELL	FELL	FELL	
3801	CT396	3801	811558.887	820124.196	楝	*Melia azedarach*	250	7	15	FELL	FELL	FELL	
3801	CT397	3801	811563.497	820122.778	台灣相思	*Acacia confusa*	160	7	10	FELL	FELL	FELL	
3801	CT398	3801	811563.466	820124.198	台灣相思	*Acacia confusa*	140	6	7	FELL	FELL	FELL	
3801	CT399	3801	811564.981	820123.600	台灣相思	*Acacia confusa*	140	6	10	FELL	FELL	FELL	
3801	CT40	3801	811744.787	820085.847	楝	*Melia azedarach*	240	7	8	FELL	FELL	FELL	
3801	CT400	3801	811564.628	820124.241	台灣相思	*Acacia confusa*	130	6	9	FELL	FELL	FELL	
3801	CT401	3801	811564.289	820125.226	台灣相思	*Acacia confusa*	150	9	13	FELL	FELL	FELL	
3801	CT402	3801	811565.217	820125.175	台灣相思	*Acacia confusa*	100	5	8	FELL	FELL	FELL	
3801	CT403	3801	811564.839	820126.036	台灣相思	*Acacia confusa*	120	5	12	FELL	FELL	FELL	
3801	CT404	3801	811562.956	820127.747	黃花夾竹桃	*Thevetia peruviana*	117	4	7	FELL	FELL	FELL	
3801	CT405	3801	811563.674	820127.654	黃花夾竹桃	*Thevetia peruviana*	100	3	9	FELL	FELL	FELL	
3801	CT406	3801	811565.776	820126.154	台灣相思	*Acacia confusa*	140	7	12	FELL	FELL	FELL	
3801	CT407	3801	811567.132	820127.264	黃花夾竹桃	*Thevetia peruviana*	136	4	9	FELL	FELL	FELL	
3801	CT408	3801	811570.464	820127.440	黃花夾竹桃	*Thevetia peruviana*	146	3	7	FELL	FELL	FELL	
3801	CT409	3801	811573.813	820127.057	大葉相思	*Acacia mangium*	310	8	15	FELL	FELL	FELL	
3801	CT41	3801	811743.761	820089.377	楝	*Melia azedarach*	100	4	6	FELL	FELL	FELL	
3801	CT410	3801	811574.436	820127.371	銀合歡	*Leucaena leucocephala*	100	6	13	FELL	FELL	FELL	
3801	CT411	3801	811568.800	820121.917	大葉相思	*Acacia mangium*	160	8	14	FELL	FELL	FELL	
3801	CT412	3801	811577.448	820126.902	大葉相思	*Acacia mangium*	230	7	14	FELL	FELL	FELL	
3801	CT413	3801	811577.714	820127.244	大葉相思	*Acacia mangium*	140	5	15	FELL	FELL	FELL	
3801	CT414	3801	811581.792	820124.546	紅膠木	*Lophostemon confertus*	120	5	9	FELL	FELL	FELL	
3801	CT415	3801	811582.341	820125.869	羊蹄甲屬	*Bauhinia* spp.	130	7	9	FELL	FELL	FELL	
3801	CT416	3801	811583.838	820126.617	楝	*Melia azedarach*	160	6	15	FELL	FELL	FELL	
3801	CT417	3801	811584.964	820126.648	楝	*Melia azedarach*	150	6	12	FELL	FELL	FELL	
3801	CT418	3801	811585.571	820126.089	台灣相思	*Acacia confusa*	150	8	5	FELL	FELL	FELL	
3801	CT419	3801	811586.362	820126.210	台灣相思	*Acacia confusa*	140	9	13	FELL	FELL	FELL	
3801	CT42	3801	811746.165	820089.613	台灣相思	*Acacia confusa*	170	5	7	FELL	FELL	FELL	
3801	CT420	3801	811587.302	820126.117	台灣相思	*Acacia confusa*	170	5	11	FELL	FELL	FELL	
3801	CT421	3801	811588.630	820126.027	台灣相思	*Acacia confusa*	150	8	12	FELL	FELL	FELL	
3801	CT422	3801	811590.441	820126.009	台灣相思	*Acacia confusa*	150	9	12	FELL	FELL	FELL	
3801	CT423	3801	811590.945	820126.389	台灣相思	*Acacia confusa*	190	10	11	FELL	FELL	FELL	
3801	CT424	3801	811591.889	820125.298	台灣相思	*Acacia confusa*	100	5	6	FELL	FELL	FELL	
3801	CT425	3801	811592.963	820124.931	台灣相思	*Acacia confusa*	110	4	6	FELL	FELL	FELL	
3801	CT426	3801	811593.562	820125.921	台灣相思	*Acacia confusa*	160	10	14	FELL	FELL	FELL	
3801	CT427	3801	811593.957	820125.913	死樹	Dead tree	170	8	12	FELL	FELL	FELL	
3801	CT428	3801	811594.525	820125.174	台灣相思	*Acacia confusa*	170	11	13	FELL	FELL	FELL	
3801	CT429	3801	811599.937	820122.669	台灣相思	*Acacia confusa*	140	5	13	FELL	FELL	FELL	
3801	CT43	3801	811742.235	820095.116	台灣相思	*Acacia confusa*	206	8	8	FELL	FELL	FELL	
3801	CT430	3801	811604.440	820121.972	大葉相思	*Acacia mangium*	140	8	12	FELL	FELL	FELL	
3801	CT431	3801	811605.429	820122.065	大葉相思	*Acacia mangium*	210	9	13	FELL	FELL	FELL	
3801	CT432	3801	811606.256	820123.023	大葉相思	*Acacia mangium*	120	6	8	FELL	FELL	FELL	
3801	CT433	3801	811606.493	820122.058	大葉相思	*Acacia mangium*	160	5	11	FELL	FELL	FELL	
3801	CT434	3801	811607.521	820122.902	大葉相思	*Acacia mangium*	240	8	14	FELL	FELL	FELL	
3801	CT435	3801	811609.123	820122.279	楝	*Melia azedarach*	230	6	14	FELL	FELL	FELL	
3801	CT436	3801	811606.825	820126.286	羊蹄甲屬	*Bauhinia* spp.	130	7	8	FELL	FELL	FELL	
3801	CT437	3801	811608.822	820125.772	羊蹄甲屬	*Bauhinia* spp.	150	9	8	FELL	FELL	FELL	
3801	CT438	3801	811610.717	820125.653	羊蹄甲屬	*Bauhinia* spp.	120	5	10	FELL	FELL	FELL	
3801	CT439	3801	811611.915	820122.181	楝	*Melia azedarach*	210	7	13	FELL	FELL	FELL	
3801	CT44	3801	811742.018	820096.878	台灣相思	*Acacia confusa*	140	5	8	FELL	FELL	FELL	
3801	CT440	3801	811616.465	820121.391	台灣相思	*Acacia confusa*	230	7	10	FELL	FELL	FELL	
3801	CT441	3801	811618.568	820121.241	台灣相思	*Acacia confusa*	180	8	10	FELL	FELL	FELL	
3801	CT442	3801	811619.682	820121.146	台灣相思	*Acacia confusa*	110	4	6	FELL	FELL	FELL	
3801	CT443	3801	811623.012	820118.846	台灣相思	*Acacia confusa*	130	5	10	FELL	FELL	FELL	
3801	CT444	3801	811624.418	820119.154	紅膠木	*Lophostemon confertus*	110	5	7	FELL	FELL	FELL	
3801	CT445	3801	811621.031	820124.575	台灣相思	*Acacia confusa*	110	4	7	FELL	FELL	FELL	
3801	CT446	3801	811622.188	820124.470	台灣相思	*Acacia confusa*	160	8	10	FELL	FELL	FELL	
3801	CT447	3801	811625.011	820123.776	台灣相思	*Acacia confusa*	210	9	14	FELL	FELL	FELL	
3801	CT448	3801	811625.935	820123.460	台灣相思	*Acacia confusa*	130	8	13	FELL	FELL	FELL	
3801	CT449	3801	811626.961	820123.328	台灣相思	*Acacia confusa*	120	8	14	FELL	FELL	FELL	
3801	CT45	3801	811740.882	820098.639	台灣相思	*Acacia confusa*	130	5	7	FELL	FELL	FELL	
3801	CT450	3801	811627.752	820123.101	台灣相思	*Acacia confusa*	120	5	14	FELL	FELL	FELL	
3801	CT451	3801	811628.511	820122.961	台灣相思	*Acacia confusa*	220	9	15	FELL	FELL	FELL	
3801	CT452	3801	811630.122	820120.083	大葉相思	*Acacia mangium*	190	7	10	FELL	FELL	FELL	
3801	CT453	3801	811636.933	820117.605	台灣相思	*Acacia confusa*	190	8	11	FELL	FELL	FELL	
3801	CT454	3801	811637.853	820116.964	台灣相思	*Acacia confusa*	160	6	11	FELL	FELL	FELL	
3801	CT455	3801	811640.899	820116.177	耳果相思	*Acacia auriculiformis*	280	7	15	FELL	FELL	FELL	
3801	CT456	3801	811641.336	820116.099	大葉相思	*Acacia mangium*	190	5	12	FELL	FELL	FELL	
3801	CT457	3801	811640.144	820117.408	大葉相思	*Acacia mangium*	190	7	13	FELL	FELL	FELL	
3801	CT458	3801	811647.587	820116.440	羊蹄甲屬	*Bauhinia spp.*	120	6	7	FELL	FELL	FELL	
3801	CT459	3801	811650.024	820113.891	大葉相思	*Acacia mangium*	320	8	15	FELL	FELL	FELL	
3801	CT46	3801	811740.407	820098.008	台灣相思	*Acacia confusa*	170	6	9	FELL	FELL	FELL	
3801	CT460	3801	811650.238	820112.821	台灣相思	*Acacia confusa*	200	6	8	FELL	FELL	FELL	
3801	CT461	3801	811651.801	820112.943	大葉相思	*Acacia mangium*	230	6	13	FELL	FELL	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3801	CT462	3801	811652.783	820110.938	台灣相思	*Acacia confusa*	170	2	5	FELL	FELL	FELL	
3801	CT463	3801	811655.205	820111.821	台灣相思	*Acacia confusa*	130	10	12	FELL	FELL	FELL	
3801	CT464	3801	811655.382	820110.962	台灣相思	*Acacia confusa*	100	5	5	FELL	FELL	FELL	
3801	CT465	3801	811656.252	820110.739	台灣相思	*Acacia confusa*	150	7	12	FELL	FELL	FELL	
3801	CT466	3801	811658.259	820111.001	羊蹄甲屬	*Bauhinia* spp.	100	2	7	FELL	FELL	FELL	
3801	CT467	3801	811657.594	820109.536	台灣相思	*Acacia confusa*	170	7	13	FELL	FELL	FELL	
3801	CT468	3801	811663.670	820106.670	台灣相思	*Acacia confusa*	280	8	14	FELL	FELL	FELL	
3801	CT469	3801	811664.861	820107.684	台灣相思	*Acacia confusa*	210	7	12	FELL	FELL	FELL	
3801	CT47	3801	811739.809	820097.621	台灣相思	*Acacia confusa*	166	6	7	FELL	FELL	FELL	
3801	CT470	3801	811668.850	820104.569	楝	*Melia azedarach*	190	8	15	FELL	FELL	FELL	
3801	CT471	3801	811671.853	820101.349	紅膠木	*Lophostemon confertus*	190	8	10	FELL	FELL	FELL	
3801	CT472	3801	811683.171	820096.999	大葉相思	*Acacia mangium*	300	8	14	FELL	FELL	FELL	
3801	CT473	3801	811684.071	820095.415	台灣相思	*Acacia confusa*	190	8	15	FELL	FELL	FELL	
3801	CT474	3801	811685.045	820093.647	台灣相思	*Acacia confusa*	170	7	15	FELL	FELL	FELL	
3801	CT475	3801	811686.829	820095.120	潺槁樹	*Litsea glutinosa*	100	3	5	FELL	FELL	FELL	
3801	CT476	3801	811687.830	820093.042	台灣相思	*Acacia confusa*	220	6	4	FELL	FELL	FELL	
3801	CT477	3801	811688.458	820091.561	台灣相思	*Acacia confusa*	250	11	14	FELL	FELL	FELL	
3801	CT478	3801	811689.519	820091.909	台灣相思	*Acacia confusa*	320	12	15	FELL	FELL	FELL	
3801	CT479	3801	811689.985	820094.007	黃花夾竹桃	*Thevetia peruviana*	100	5	8	FELL	FELL	FELL	
3801	CT480	3801	811691.131	820093.457	黃花夾竹桃	*Thevetia peruviana*	100	4	6	FELL	FELL	FELL	
3801	CT481	3801	811691.718	820092.772	黃花夾竹桃	*Thevetia peruviana*	110	7	6	FELL	FELL	FELL	
3801	CT482	3801	811691.930	820091.097	羊蹄甲屬	*Bauhinia spp.*	120	5	4	FELL	FELL	FELL	
3801	CT483	3801	811692.459	820089.034	黃槿	*Hibiscus tiliaceus*	130	5	9	FELL	FELL	FELL	
3801	CT484	3801	811694.017	820087.966	楝	*Melia azedarach*	270	5	16	FELL	FELL	FELL	
3801	CT485	3801	811694.423	820087.391	台灣相思	*Acacia confusa*	130	5	9	FELL	FELL	FELL	
3801	CT486	3801	811694.801	820088.751	羊蹄甲屬	*Bauhinia spp.*	130	8	6	FELL	FELL	FELL	
3801	CT487	3801	811695.713	820089.786	楝	*Melia azedarach*	320	8	13	FELL	FELL	FELL	
3801	CT488	3801	811697.804	820086.572	楝	*Melia azedarach*	280	9	11	FELL	FELL	FELL	
3801	CT489	3801	811698.732	820085.742	大葉相思	*Acacia mangium*	150	5	9	FELL	FELL	FELL	
3801	CT490	3801	811698.649	820085.337	大葉相思	*Acacia mangium*	480	10	15	FELL	FELL	FELL	
3801	CT491	3801	811698.397	820084.309	大葉相思	*Acacia mangium*	310	8	14	FELL	FELL	FELL	
3801	CT492	3801	811700.729	820082.547	大葉相思	*Acacia mangium*	110	2	8	FELL	FELL	FELL	
3801	CT493	3801	811701.690	820083.460	大葉相思	*Acacia mangium*	140	5	8	FELL	FELL	FELL	
3801	CT494	3801	811702.346	820082.617	大葉相思	*Acacia mangium*	230	8	14	FELL	FELL	FELL	
3801	CT495	3801	811701.812	820081.676	大葉相思	*Acacia mangium*	280	7	13	FELL	FELL	FELL	
3801	CT496	3801	811703.190	820082.497	大葉相思	*Acacia mangium*	170	6	13	FELL	FELL	FELL	
3801	CT497	3801	811704.000	820081.022	台灣相思	*Acacia confusa*	110	3	6	FELL	FELL	FELL	
3801	CT498	3801	811704.600	820080.461	台灣相思	*Acacia confusa*	160	7	12	FELL	FELL	FELL	
3801	CT499	3801	811705.521	820079.793	台灣相思	*Acacia confusa*	120	5	13	FELL	FELL	FELL	
3801	CT50	3801	811733.587	820104.750	羊蹄甲屬	*Bauhinia spp.*	130	5	5	FELL	FELL	FELL	
3801	CT500	3801	811705.686	820078.834	台灣相思	*Acacia confusa*	150	2	6	FELL	FELL	FELL	
3801	CT501	3801	811706.372	820081.647	台灣相思	*Acacia confusa*	226	7	12	FELL	FELL	FELL	
3801	CT501A	3801	811707.392	820080.549	台灣相思	*Acacia confusa*	110	6	10	FELL	FELL	FELL	
3801	CT502	3801	811707.000	820079.000	台灣相思	*Acacia confusa*	140	5	11	FELL	FELL	FELL	
3801	CT503	3801	811708.760	820077.670	台灣相思	*Acacia confusa*	227	8	13	FELL	FELL	FELL	
3801	CT504	3801	811709.981	820078.056	台灣相思	*Acacia confusa*	110	6	13	FELL	FELL	FELL	
3801	CT505	3801	811710.965	820077.751	台灣相思	*Acacia confusa*	184	8	15	FELL	FELL	FELL	
3801	CT506	3801	811715.970	820073.136	黃槿	*Hibiscus tiliaceus*	178	6	10	FELL	FELL	FELL	
3801	CT507	3801	811718.047	820071.040	黃槿	*Hibiscus tiliaceus*	110	7	6	FELL	FELL	FELL	
3801	CT508	3801	811713.210	820072.231	台灣相思	*Acacia confusa*	120	5	10	FELL	FELL	FELL	
3801	CT509	3801	811713.841	820072.123	台灣相思	*Acacia confusa*	156	5	10	FELL	FELL	FELL	
3801	CT51	3801	811735.070	820106.072	大葉相思	*Acacia mangium*	140	3	6	FELL	FELL	FELL	
3801	CT510	3801	811713.814	820071.502	台灣相思	*Acacia confusa*	120	5	9	FELL	FELL	FELL	
3801	CT511	3801	811714.260	820071.228	台灣相思	*Acacia confusa*	100	5	11	FELL	FELL	FELL	
3801	CT512	3801	811715.178	820070.421	台灣相思	*Acacia confusa*	180	5	12	FELL	FELL	FELL	
3801	CT513	3801	811715.650	820070.497	台灣相思	*Acacia confusa*	230	8	12	FELL	FELL	FELL	
3801	CT514	3801	811716.689	820069.425	台灣相思	*Acacia confusa*	110	5	8	FELL	FELL	FELL	
3801	CT515	3801	811718.195	820067.333	大葉相思	*Acacia mangium*	180	6	12	FELL	FELL	FELL	
3801	CT516	3801	811719.139	820067.499	大葉相思	*Acacia mangium*	270	9	13	FELL	FELL	FELL	
3801	CT517	3801	811719.954	820065.740	大葉相思	*Acacia mangium*	110	2	11	FELL	FELL	FELL	
3801	CT518	3801	811720.709	820065.931	大葉相思	*Acacia mangium*	150	4	12	FELL	FELL	FELL	
3801	CT519	3801	811721.150	820064.339	大葉相思	*Acacia mangium*	100	2	7	FELL	FELL	FELL	
3801	CT52	3801	811738.477	820108.984	銀合歡	*Leucaena leucocephala*	140	6	9	FELL	FELL	FELL	
3801	CT520	3801	811722.188	820064.339	大葉相思	*Acacia mangium*	160	4	10	FELL	FELL	FELL	
3801	CT521	3801	811721.725	820063.689	大葉相思	*Acacia mangium*	190	5	12	FELL	FELL	FELL	
3801	CT522	3801	811723.744	820061.349	台灣相思	*Acacia confusa*	100	2	5	FELL	FELL	FELL	
3801	CT523	3801	811725.635	820061.600	台灣相思	*Acacia confusa*	160	6	9	FELL	FELL	FELL	
3801	CT524	3801	811726.999	820061.395	楝	*Melia azedarach*	260	7	10	FELL	FELL	FELL	
3801	CT525	3801	811726.418	820059.608	紅膠木	*Lophostemon confertus*	120	3	5	FELL	FELL	FELL	
3801	CT526	3801	811727.427	820059.515	台灣相思	*Acacia confusa*	130	4	7	FELL	FELL	FELL	
3801	CT528	3801	811727.783	820058.111	台灣相思	*Acacia confusa*	180	8	12	FELL	FELL	FELL	
3801	CT529	3801	811728.910	820058.908	楝	*Melia azedarach*	220	5	12	FELL	FELL	FELL	
3801	CT53	3801	811736.538	820109.681	大葉相思	*Acacia mangium*	160	4	9	FELL	FELL	FELL	
3801	CT532	3801	811731.196	820053.918	大葉相思	*Acacia mangium*	120	5	9	FELL	FELL	FELL	
3801	CT533	3801	811732.426	820053.158	大葉相思	*Acacia mangium*	100	5	9	FELL	FELL	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3801	CT534	3801	811733.116	820053.205	大葉相思	*Acacia mangium*	250	6	12	FELL	FELL	FELL	
3801	CT535	3801	811734.510	820051.640	大葉相思	*Acacia mangium*	170	6	11	FELL	FELL	FELL	
3801	CT536	3801	811733.249	820050.840	大葉相思	*Acacia mangium*	190	5	10	FELL	FELL	FELL	
3801	CT537	3801	811737.093	820047.748	黃槿	*Hibiscus tiliaceus*	130	6	8	FELL	FELL	FELL	
3801	CT538	3801	811737.978	820045.486	大葉相思	*Acacia mangium*	260	9	12	FELL	FELL	FELL	
3801	CT539	3801	811740.969	820044.556	耳果相思	*Acacia auriculiformis*	100	5	9	FELL	FELL	FELL	
3801	CT54	3801	811735.914	820110.362	大葉相思	*Acacia mangium*	100	4	6	FELL	FELL	FELL	
3801	CT540	3801	811741.432	820040.669	台灣相思	*Acacia confusa*	200	10	10	FELL	FELL	FELL	
3801	CT541	3801	811743.035	820039.490	台灣相思	*Acacia confusa*	160	6	10	FELL	FELL	FELL	
3801	CT542	3801	811743.432	820038.589	台灣相思	*Acacia confusa*	180	7	11	FELL	FELL	FELL	
3801	CT543	3801	811742.825	820038.029	台灣相思	*Acacia confusa*	230	8	11	FELL	FELL	FELL	
3801	CT544	3801	811743.665	820037.876	台灣相思	*Acacia confusa*	190	7	10	FELL	FELL	FELL	
3801	CT545	3801	811739.268	820049.919	潺槁樹	*Litsea glutinosa*	150	5	6	FELL	FELL	FELL	
3801	CT546	3801	811741.343	820056.363	台灣相思	*Acacia confusa*	120	5	7	FELL	FELL	FELL	
3801	CT547	3801	811732.375	820058.426	潺槁樹	*Litsea glutinosa*	140	5	6	FELL	FELL	FELL	
3801	CT548	3801	811722.478	820073.696	楝	*Melia azedarach*	310	8	11	FELL	FELL	FELL	
3801	CT549	3801	811716.561	820079.409	楝	*Melia azedarach*	260	8	12	FELL	FELL	FELL	
3801	CT55	3801	811736.649	820111.144	大葉相思	*Acacia mangium*	280	5	11	FELL	FELL	FELL	
3801	CT555	3801	811695.021	820105.536	銀合歡	*Leucaena leucocephala*	162	4	12	FELL	FELL	FELL	
3801	CT556	3801	811693.206	820106.820	銀合歡	*Leucaena leucocephala*	162	6	13	FELL	FELL	FELL	
3801	CT557	3801	811685.459	820100.681	死樹	Dead tree	200	3	5	FELL	FELL	FELL	
3801	CT558	3801	811684.391	820104.330	死樹	Dead tree	170	3	4	FELL	FELL	FELL	
3801	CT559	3801	811684.993	820106.267	銀合歡	*Leucaena leucocephala*	135	6	14	FELL	FELL	FELL	
3801	CT56	3801	811734.516	820113.249	紅膠木	*Lophostemon confertus*	110	4	5	FELL	FELL	FELL	
3801	CT561	3801	811684.815	820110.600	銀合歡	*Leucaena leucocephala*	232	8	14	FELL	FELL	FELL	
3801	CT562	3801	811682.641	820110.503	椰子	*Cocos nucifera*	190	4	5	FELL	FELL	FELL	
3801	CT563	3801	811682.432	820118.340	楝	*Melia azedarach*	170	10	14	FELL	FELL	FELL	
3801	CT564	3801	811677.881	820117.771	黃花夾竹桃	*Thevetia peruviana*	110	3	4	FELL	FELL	FELL	
3801	CT565	3801	811680.359	820119.373	黃花夾竹桃	*Thevetia peruviana*	232	5	8	FELL	FELL	FELL	
3801	CT566	3801	811681.461	820121.944	台灣相思	*Acacia confusa*	240	10	14	FELL	FELL	FELL	
3801	CT567	3801	811682.761	820123.636	台灣相思	*Acacia confusa*	120	7	14	FELL	FELL	FELL	
3801	CT568	3801	811684.787	820123.500	台灣相思	*Acacia confusa*	170	10	13	FELL	FELL	FELL	
3801	CT569	3801	811684.243	820124.115	台灣相思	*Acacia confusa*	160	10	15	FELL	FELL	FELL	
3801	CT57	3801	811730.716	820108.620	羊蹄甲屬	*Bauhinia spp.*	120	4	3	FELL	FELL	FELL	
3801	CT570	3801	811687.861	820123.538	台灣相思	*Acacia confusa*	150	5	5	FELL	FELL	FELL	
3801	CT571	3801	811686.055	820126.012	台灣相思	*Acacia confusa*	250	9	11	FELL	FELL	FELL	
3801	CT572	3801	811683.843	820125.468	楝	*Melia azedarach*	240	10	5	FELL	FELL	FELL	
3801	CT573	3801	811680.728	820124.520	大葉相思	*Acacia mangium*	180	10	10	FELL	FELL	FELL	
3801	CT574	3801	811678.298	820124.801	大葉相思	*Acacia mangium*	110	3	9	FELL	FELL	FELL	
3801	CT575	3801	811677.517	820124.466	大葉相思	*Acacia mangium*	270	8	16	FELL	FELL	FELL	
3801	CT576	3801	811677.027	820123.856	大葉相思	*Acacia mangium*	130	5	9	FELL	FELL	FELL	
3801	CT577	3801	811676.923	820122.893	大葉相思	*Acacia mangium*	160	5	9	FELL	FELL	FELL	
3801	CT578	3801	811674.008	820125.277	楝	*Melia azedarach*	160	10	10	FELL	FELL	FELL	
3801	CT579	3801	811673.845	820125.904	楝	*Melia azedarach*	250	10	15	FELL	FELL	FELL	
3801	CT58	3801	811729.951	820109.747	台灣相思	*Acacia confusa*	184	6	8	FELL	FELL	FELL	
3801	CT580	3801	811680.676	820127.920	羊蹄甲屬	*Bauhinia spp.*	120	4	10	FELL	FELL	FELL	
3801	CT581	3801	811679.211	820130.713	台灣相思	*Acacia confusa*	140	9	13	FELL	FELL	FELL	
3801	CT582	3801	811680.000	820130.848	台灣相思	*Acacia confusa*	150	7	12	FELL	FELL	FELL	
3801	CT583	3801	811680.782	820131.188	台灣相思	*Acacia confusa*	190	6	13	FELL	FELL	FELL	
3801	CT584	3801	811679.250	820131.256	台灣相思	*Acacia confusa*	130	5	12	FELL	FELL	FELL	
3801	CT585	3801	811679.431	820132.418	台灣相思	*Acacia confusa*	170	7	14	FELL	FELL	FELL	
3801	CT586	3801	811677.985	820131.842	台灣相思	*Acacia confusa*	120	5	14	FELL	FELL	FELL	
3801	CT587	3801	811678.203	820131.061	台灣相思	*Acacia confusa*	120	5	12	FELL	FELL	FELL	
3801	CT588	3801	811677.008	820131.609	台灣相思	*Acacia confusa*	170	7	14	FELL	FELL	FELL	
3801	CT589	3801	811672.651	820130.192	黃槿	*Hibiscus tiliaceus*	130	5	7	FELL	FELL	FELL	
3801	CT59	3801	811728.801	820111.344	台灣相思	*Acacia confusa*	150	3	9	FELL	FELL	FELL	
3801	CT590	3801	811669.397	820132.110	楝	*Melia azedarach*	220	8	11	FELL	FELL	FELL	
3801	CT591	3801	811669.850	820132.892	楝	*Melia azedarach*	130	6	10	FELL	FELL	FELL	
3801	CT592	3801	811670.361	820133.727	楝	*Melia azedarach*	210	9	11	FELL	FELL	FELL	
3801	CT593	3801	811676.391	820135.223	台灣相思	*Acacia confusa*	262	9	13	FELL	FELL	FELL	
3801	CT594	3801	811667.884	820146.255	楝	*Melia azedarach*	280	10	13	FELL	FELL	FELL	
3801	CT595	3801	811667.767	820147.457	楝	*Melia azedarach*	180	5	11	FELL	FELL	FELL	
3801	CT596	3801	811671.796	820143.142	台灣相思	*Acacia confusa*	301	12	13	FELL	FELL	FELL	
3801	CT597	3801	811674.187	820142.143	台灣相思	*Acacia confusa*	262	8	12	FELL	FELL	FELL	
3801	CT598	3801	811677.801	820140.586	台灣相思	*Acacia confusa*	206	7	11	FELL	FELL	FELL	
3801	CT599	3801	811680.470	820138.077	黃槿	*Hibiscus tiliaceus*	215	4	11	FELL	FELL	FELL	
3801	CT60	3801	811727.606	820112.655	台灣相思	*Acacia confusa*	170	5	9	FELL	FELL	FELL	
3801	CT600	3801	811681.389	820140.016	台灣相思	*Acacia confusa*	180	7	11	FELL	FELL	FELL	
3801	CT601	3801	811683.556	820136.642	台灣相思	*Acacia confusa*	143	6	10	FELL	FELL	FELL	
3801	CT602	3801	811681.498	820135.152	台灣相思	*Acacia confusa*	160	5	13	FELL	FELL	FELL	
3801	CT604	3801	811686.934	820134.588	楝	*Melia azedarach*	190	5	9	FELL	FELL	FELL	
3801	CT605	3801	811689.640	820132.743	台灣相思	*Acacia confusa*	100	4	5	FELL	FELL	FELL	
3801	CT606	3801	811687.072	820133.438	楝	*Melia azedarach*	190	9	10	FELL	FELL	FELL	
3801	CT607	3801	811687.530	820132.713	楝	*Melia azedarach*	220	6	11	FELL	FELL	FELL	
3801	CT608	3801	811685.586	820131.186	台灣相思	*Acacia confusa*	180	10	14	FELL	FELL	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3801	CT609	3801	811690.192	820125.902	台灣相思	*Acacia confusa*	130	5	5	FELL	FELL	FELL	
3801	CT61	3801	811728.869	820112.829	台灣相思	*Acacia confusa*	120	5	8	FELL	FELL	FELL	
3801	CT610	3801	811692.627	820124.030	台灣相思	*Acacia confusa*	100	7	5	FELL	FELL	FELL	
3801	CT611	3801	811692.498	820123.154	台灣相思	*Acacia confusa*	110	7	10	FELL	FELL	FELL	
3801	CT612	3801	811693.533	820122.547	台灣相思	*Acacia confusa*	130	8	7	FELL	FELL	FELL	
3801	CT613	3801	811694.360	820118.888	羊蹄甲屬	*Bauhinia spp.*	140	6	6	FELL	FELL	FELL	
3801	CT614	3801	811695.590	820120.299	台灣相思	*Acacia confusa*	150	5	8	FELL	FELL	FELL	
3801	CT615	3801	811696.364	820119.534	台灣相思	*Acacia confusa*	190	7	8	FELL	FELL	FELL	
3801	CT616	3801	811697.005	820118.959	台灣相思	*Acacia confusa*	110	5	4	FELL	FELL	FELL	
3801	CT617	3801	811700.510	820121.409	台灣相思	*Acacia confusa*	130	6	5	FELL	FELL	FELL	
3801	CT618	3801	811698.305	820123.669	台灣相思	*Acacia confusa*	100	4	4	FELL	FELL	FELL	
3801	CT619	3801	811699.270	820125.260	台灣相思	*Acacia confusa*	310	12	9	FELL	FELL	FELL	
3801	CT62	3801	811732.446	820114.914	羊蹄甲屬	*Bauhinia spp.*	140	5	9	FELL	FELL	FELL	
3801	CT620	3801	811702.449	820118.659	台灣相思	*Acacia confusa*	130	5	7	FELL	FELL	FELL	
3801	CT621	3801	811703.179	820117.873	台灣相思	*Acacia confusa*	184	5	7	FELL	FELL	FELL	
3801	CT622	3801	811705.370	820115.206	台灣相思	*Acacia confusa*	140	6	10	FELL	FELL	FELL	
3801	CT623	3801	811706.322	820112.971	楝	*Melia azedarach*	140	4	7	FELL	FELL	FELL	
3801	CT624	3801	811706.909	820112.250	楝	*Melia azedarach*	220	7	11	FELL	FELL	FELL	
3801	CT625	3801	811704.968	820107.885	台灣相思	*Acacia confusa*	130	5	9	FELL	FELL	FELL	
3801	CT626	3801	811705.261	820107.528	台灣相思	*Acacia confusa*	120	6	9	FELL	FELL	FELL	
3801	CT627	3801	811710.856	820104.409	台灣相思	*Acacia confusa*	163	5	4	FELL	FELL	FELL	
3801	CT628	3801	811711.271	820103.560	台灣相思	*Acacia confusa*	110	5	8	FELL	FELL	FELL	
3801	CT629	3801	811709.677	820108.246	台灣相思	*Acacia confusa*	170	7	5	FELL	FELL	FELL	
3801	CT63	3801	811733.066	820116.783	羊蹄甲屬	*Bauhinia spp.*	140	7	7	FELL	FELL	FELL	
3801	CT630	3801	811712.284	820109.161	大葉相思	*Acacia mangium*	180	6	8	FELL	FELL	FELL	
3801	CT631	3801	811713.042	820107.669	台灣相思	*Acacia confusa*	110	5	7	FELL	FELL	FELL	
3801	CT632	3801	811715.233	820105.360	台灣相思	*Acacia confusa*	100	4	8	FELL	FELL	FELL	
3801	CT633	3801	811715.935	820105.649	楝	*Melia azedarach*	150	4	8	FELL	FELL	FELL	
3801	CT634	3801	811715.561	820104.807	台灣相思	*Acacia confusa*	170	6	9	FELL	FELL	FELL	
3801	CT635	3801	811716.143	820104.036	台灣相思	*Acacia confusa*	170	7	9	FELL	FELL	FELL	
3801	CT636	3801	811717.532	820104.049	楝	*Melia azedarach*	260	7	10	FELL	FELL	FELL	
3801	CT637	3801	811718.425	820104.110	黃花夾竹桃	*Thevetia peruviana*	110	4	7	FELL	FELL	FELL	
3801	CT638	3801	811720.435	820101.525	楝	*Melia azedarach*	230	6	8	FELL	FELL	FELL	
3801	CT639	3801	811719.456	820101.346	楝	*Melia azedarach*	160	7	8	FELL	FELL	FELL	
3801	CT64	3801	811732.053	820118.692	羊蹄甲屬	*Bauhinia spp.*	110	6	5	FELL	FELL	FELL	
3801	CT640	3801	811718.448	820099.422	台灣相思	*Acacia confusa*	120	4	8	FELL	FELL	FELL	
3801	CT641	3801	811719.755	820097.002	台灣相思	*Acacia confusa*	120	5	8	FELL	FELL	FELL	
3801	CT642	3801	811717.520	820094.261	台灣相思	*Acacia confusa*	120	7	10	FELL	FELL	FELL	
3801	CT643	3801	811712.542	820094.387	台灣相思	*Acacia confusa*	130	5	7	FELL	FELL	FELL	
3801	CT644	3801	811720.338	820089.959	台灣相思	*Acacia confusa*	170	9	12	FELL	FELL	FELL	
3801	CT645	3801	811722.459	820088.188	死樹	Dead tree	130	8	6	FELL	FELL	FELL	
3801	CT646	3801	811724.402	820088.717	台灣相思	*Acacia confusa*	198	9	8	FELL	FELL	FELL	
3801	CT647	3801	811724.451	820088.218	台灣相思	*Acacia confusa*	170	7	13	FELL	FELL	FELL	
3801	CT648	3801	811725.148	820084.660	台灣相思	*Acacia confusa*	240	8	13	FELL	FELL	FELL	
3801	CT649	3801	811726.185	820086.232	台灣相思	*Acacia confusa*	160	8	13	FELL	FELL	FELL	
3801	CT65	3801	811732.419	820119.146	羊蹄甲屬	*Bauhinia spp.*	120	5	7	FELL	FELL	FELL	
3801	CT650	3801	811725.889	820087.217	台灣相思	*Acacia confusa*	110	5	12	FELL	FELL	FELL	
3801	CT651	3801	811726.146	820088.611	台灣相思	*Acacia confusa*	120	8	10	FELL	FELL	FELL	
3801	CT652	3801	811727.545	820089.135	楝	*Melia azedarach*	250	7	10	FELL	FELL	FELL	
3801	CT653	3801	811723.448	820096.911	羊蹄甲屬	*Bauhinia spp.*	100	4	5	FELL	FELL	FELL	
3801	CT654	3801	811724.632	820095.491	羊蹄甲屬	*Bauhinia spp.*	120	5	6	FELL	FELL	FELL	
3801	CT655	3801	811722.894	820094.498	紅膠木	*Lophostemon confertus*	110	5	7	FELL	FELL	FELL	
3801	CT656	3801	811726.570	820086.829	台灣相思	*Acacia confusa*	160	7	13	FELL	FELL	FELL	
3801	CT657	3801	811729.221	820086.093	大葉相思	*Acacia mangium*	180	5	9	FELL	FELL	FELL	
3801	CT658	3801	811728.346	820084.776	台灣相思	*Acacia confusa*	140	6	13	FELL	FELL	FELL	
3801	CT659	3801	811727.822	820083.859	台灣相思	*Acacia confusa*	150	7	12	FELL	FELL	FELL	
3801	CT66	3801	811731.262	820119.343	羊蹄甲屬	*Bauhinia spp.*	150	5	8	FELL	FELL	FELL	
3801	CT660	3801	811729.841	820082.662	台灣相思	*Acacia confusa*	188	8	14	FELL	FELL	FELL	
3801	CT661	3801	811730.342	820081.042	台灣相思	*Acacia confusa*	140	6	12	FELL	FELL	FELL	
3801	CT662	3801	811732.060	820081.652	台灣相思	*Acacia confusa*	150	5	10	FELL	FELL	FELL	
3801	CT663	3801	811732.872	820080.443	台灣相思	*Acacia confusa*	130	5	8	FELL	FELL	FELL	
3801	CT664	3801	811732.623	820079.190	台灣相思	*Acacia confusa*	100	4	8	FELL	FELL	FELL	
3801	CT665	3801	811734.208	820078.169	台灣相思	*Acacia confusa*	110	5	8	FELL	FELL	FELL	
3801	CT666	3801	811737.094	820072.622	台灣相思	*Acacia confusa*	130	6	8	FELL	FELL	FELL	
3801	CT667	3801	811738.314	820070.083	台灣相思	*Acacia confusa*	140	5	8	FELL	FELL	FELL	
3801	CT668	3801	811736.370	820069.716	台灣相思	*Acacia confusa*	110	5	7	FELL	FELL	FELL	
3801	CT669	3801	811735.492	820070.903	羊蹄甲屬	*Bauhinia spp.*	100	4	6	FELL	FELL	FELL	
3801	CT67	3801	811730.398	820120.243	台灣相思	*Acacia confusa*	180	7	10	FELL	FELL	FELL	
3801	CT670	3801	811735.915	820071.012	台灣相思	*Acacia confusa*	160	6	7	FELL	FELL	FELL	
3801	CT671	3801	811735.009	820072.239	台灣相思	*Acacia confusa*	262	7	9	FELL	FELL	FELL	
3801	CT672	3801	811668.547	820088.977	大葉相思	*Acacia mangium*	340	9	10	FELL	FELL	FELL	
3801	CT673	3801	811666.354	820113.763	羊蹄甲屬	*Bauhinia spp.*	110	5	9	FELL	FELL	FELL	
3801	CT674	3801	811664.554	820113.198	羊蹄甲屬	*Bauhinia spp.*	140	5	10	FELL	FELL	FELL	
3801	CT675	3801	811660.285	820113.025	大葉相思	*Acacia mangium*	210	5	12	FELL	FELL	FELL	
3801	CT676	3801	811658.432	820113.350	台灣相思	*Acacia confusa*	200	6	11	FELL	FELL	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3801	CT677	3801	811658.418	820114.567	台灣相思	*Acacia confusa*	180	6	11	FELL	FELL	FELL	
3801	CT678	3801	811657.237	820114.638	台灣相思	*Acacia confusa*	120	5	9	FELL	FELL	FELL	
3801	CT679	3801	811656.321	820114.775	台灣相思	*Acacia confusa*	140	7	9	FELL	FELL	FELL	
3801	CT68	3801	811731.110	820120.534	台灣相思	*Acacia confusa*	160	7	8	FELL	FELL	FELL	
3801	CT680	3801	811657.034	820115.678	台灣相思	*Acacia confusa*	100	5	9	FELL	FELL	FELL	
3801	CT681	3801	811658.085	820115.423	台灣相思	*Acacia confusa*	140	4	10	FELL	FELL	FELL	
3801	CT682	3801	811658.810	820116.191	台灣相思	*Acacia confusa*	140	6	8	FELL	FELL	FELL	
3801	CT683	3801	811659.954	820116.000	台灣相思	*Acacia confusa*	160	6	8	FELL	FELL	FELL	
3801	CT684	3801	811660.536	820115.803	台灣相思	*Acacia confusa*	190	7	9	FELL	FELL	FELL	
3801	CT685	3801	811656.720	820116.574	台灣相思	*Acacia confusa*	230	6	10	FELL	FELL	FELL	
3801	CT686	3801	811657.067	820117.386	楝	*Melia azedarach*	220	5	11	FELL	FELL	FELL	
3801	CT688	3801	811656.994	820125.820	潺槁樹	*Litsea glutinosa*	100	4	6	FELL	FELL	FELL	
3801	CT689	3801	811655.204	820121.931	台灣相思	*Acacia confusa*	110	7	8	FELL	FELL	FELL	
3801	CT69	3801	811729.891	820120.859	台灣相思	*Acacia confusa*	170	7	8	FELL	FELL	FELL	
3801	CT690	3801	811654.325	820122.711	台灣相思	*Acacia confusa*	260	9	10	FELL	FELL	FELL	
3801	CT691	3801	811654.274	820122.080	台灣相思	*Acacia confusa*	180	7	8	FELL	FELL	FELL	
3801	CT692	3801	811652.982	820123.153	台灣相思	*Acacia confusa*	130	7	9	FELL	FELL	FELL	
3801	CT693	3801	811653.371	820124.291	台灣相思	*Acacia confusa*	130	5	8	FELL	FELL	FELL	
3801	CT694	3801	811652.325	820124.395	台灣相思	*Acacia confusa*	150	7	9	FELL	FELL	FELL	
3801	CT695	3801	811652.403	820125.156	台灣相思	*Acacia confusa*	130	4	10	FELL	FELL	FELL	
3801	CT696	3801	811651.370	820125.110	台灣相思	*Acacia confusa*	120	6	8	FELL	FELL	FELL	
3801	CT697	3801	811650.970	820126.683	羊蹄甲屬	*Bauhinia spp.*	120	4	5	FELL	FELL	FELL	
3801	CT698	3801	811652.013	820130.329	紅膠木	*Lophostemon confertus*	160	4	10	FELL	FELL	FELL	
3801	CT699	3801	811650.005	820131.666	台灣相思	*Acacia confusa*	190	7	8	FELL	FELL	FELL	
3801	CT70	3801	811728.118	820123.298	台灣相思	*Acacia confusa*	150	5	9	FELL	FELL	FELL	
3801	CT700	3801	811649.234	820132.527	台灣相思	*Acacia confusa*	180	7	10	FELL	FELL	FELL	
3801	CT701	3801	811648.433	820131.499	台灣相思	*Acacia confusa*	200	6	12	FELL	FELL	FELL	
3801	CT702	3801	811648.636	820132.490	台灣相思	*Acacia confusa*	110	4	8	FELL	FELL	FELL	
3801	CT703	3801	811647.245	820133.698	大葉相思	*Acacia mangium*	140	4	10	FELL	FELL	FELL	
3801	CT704	3801	811646.308	820133.284	楝	*Melia azedarach*	120	4	12	FELL	FELL	FELL	
3801	CT705	3801	811646.328	820134.522	楝	*Melia azedarach*	110	4	9	FELL	FELL	FELL	
3801	CT706	3801	811647.221	820134.985	楝	*Melia azedarach*	120	4	9	FELL	FELL	FELL	
3801	CT707	3801	811648.229	820135.608	楝	*Melia azedarach*	120	2	6	FELL	FELL	FELL	
3801	CT708	3801	811645.684	820135.196	楝	*Melia azedarach*	130	5	8	FELL	FELL	FELL	
3801	CT709	3801	811644.058	820137.438	耳果相思	*Acacia auriculiformis*	100	4	8	FELL	FELL	FELL	
3801	CT71	3801	811727.211	820124.000	台灣相思	*Acacia confusa*	160	6	7	FELL	FELL	FELL	
3801	CT710	3801	811641.396	820134.938	台灣相思	*Acacia confusa*	150	8	9	FELL	FELL	FELL	
3801	CT711	3801	811640.400	820134.843	台灣相思	*Acacia confusa*	100	4	10	FELL	FELL	FELL	
3801	CT712	3801	811640.380	820135.848	台灣相思	*Acacia confusa*	110	5	10	FELL	FELL	FELL	
3801	CT713	3801	811638.711	820136.869	台灣相思	*Acacia confusa*	191	8	10	FELL	FELL	FELL	
3801	CT714	3801	811637.918	820137.258	台灣相思	*Acacia confusa*	163	5	12	FELL	FELL	FELL	
3801	CT715	3801	811638.709	820136.154	台灣相思	*Acacia confusa*	130	5	9	FELL	FELL	FELL	
3801	CT716	3801	811639.280	820131.614	羊蹄甲屬	*Bauhinia spp.*	110	7	9	FELL	FELL	FELL	
3801	CT717	3801	811640.823	820129.758	楝	*Melia azedarach*	270	7	13	FELL	FELL	FELL	
3801	CT718	3801	811641.624	820129.984	羊蹄甲屬	*Bauhinia spp.*	120	6	8	FELL	FELL	FELL	
3801	CT719	3801	811641.649	820127.805	台灣相思	*Acacia confusa*	110	5	9	FELL	FELL	FELL	
3801	CT72	3801	811726.432	820124.609	大葉相思	*Acacia mangium*	270	6	12	FELL	FELL	FELL	
3801	CT720	3801	811641.983	820126.995	台灣相思	*Acacia confusa*	200	7	10	FELL	FELL	FELL	
3801	CT721	3801	811648.793	820121.870	台灣相思	*Acacia confusa*	160	9	12	FELL	FELL	FELL	
3801	CT722	3801	811647.629	820121.355	台灣相思	*Acacia confusa*	100	4	11	FELL	FELL	FELL	
3801	CT723	3801	811647.298	820120.607	台灣相思	*Acacia confusa*	140	5	13	FELL	FELL	FELL	
3801	CT724	3801	811649.231	820119.858	台灣相思	*Acacia confusa*	110	5	12	FELL	FELL	FELL	
3801	CT725	3801	811647.785	820119.434	台灣相思	*Acacia confusa*	100	5	10	FELL	FELL	FELL	
3801	CT726	3801	811646.231	820119.473	台灣相思	*Acacia confusa*	200	6	11	FELL	FELL	FELL	
3801	CT727	3801	811645.723	820121.032	台灣相思	*Acacia confusa*	150	7	10	FELL	FELL	FELL	
3801	CT728	3801	811642.169	820122.250	羊蹄甲屬	*Bauhinia spp.*	110	6	9	FELL	FELL	FELL	
3801	CT729	3801	811642.032	820125.191	台灣相思	*Acacia confusa*	170	8	10	FELL	FELL	FELL	
3801	CT73	3801	811726.139	820120.074	台灣相思	*Acacia confusa*	170	10	9	FELL	FELL	FELL	
3801	CT730	3801	811641.077	820125.497	台灣相思	*Acacia confusa*	170	9	11	FELL	FELL	FELL	
3801	CT731	3801	811638.493	820125.537	台灣相思	*Acacia confusa*	150	7	12	FELL	FELL	FELL	
3801	CT732	3801	811637.737	820125.192	羊蹄甲屬	*Bauhinia spp.*	120	4	8	FELL	FELL	FELL	
3801	CT733	3801	811637.863	820126.066	台灣相思	*Acacia confusa*	140	6	8	FELL	FELL	FELL	
3801	CT734	3801	811636.771	820125.851	台灣相思	*Acacia confusa*	170	5	11	FELL	FELL	FELL	
3801	CT735	3801	811637.912	820128.845	台灣相思	*Acacia confusa*	150	7	12	FELL	FELL	FELL	
3801	CT736	3801	811638.656	820129.217	台灣相思	*Acacia confusa*	100	3	12	FELL	FELL	FELL	
3801	CT737	3801	811637.191	820130.323	台灣相思	*Acacia confusa*	110	3	11	FELL	FELL	FELL	
3801	CT738	3801	811636.316	820129.878	台灣相思	*Acacia confusa*	110	2	11	FELL	FELL	FELL	
3801	CT739	3801	811635.090	820131.588	台灣相思	*Acacia confusa*	170	6	12	FELL	FELL	FELL	
3801	CT74	3801	811725.411	820120.985	台灣相思	*Acacia confusa*	150	6	10	FELL	FELL	FELL	
3801	CT740	3801	811635.596	820133.466	楝	*Melia azedarach*	170	1	11	FELL	FELL	FELL	
3801	CT741	3801	811634.112	820132.415	台灣相思	*Acacia confusa*	170	5	15	FELL	FELL	FELL	
3801	CT742	3801	811633.419	820132.746	台灣相思	*Acacia confusa*	110	4	9	FELL	FELL	FELL	
3801	CT743	3801	811631.555	820131.863	大葉相思	*Acacia mangium*	160	4	13	FELL	FELL	FELL	
3801	CT744	3801	811631.484	820130.848	大葉相思	*Acacia mangium*	170	3	15	FELL	FELL	FELL	
3801	CT745	3801	811630.960	820132.217	大葉相思	*Acacia mangium*	130	4	15	FELL	FELL	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3801	CT746	3801	811627.839	820131.068	楝	*Melia azedarach*	270	9	15	FELL	FELL	FELL	
3801	CT747	3801	811627.941	820133.460	大葉相思	*Acacia mangium*	150	3	14	FELL	FELL	FELL	
3801	CT748	3801	811624.973	820132.750	大葉相思	*Acacia mangium*	240	5	14	FELL	FELL	FELL	
3801	CT749	3801	811624.892	820133.709	大葉相思	*Acacia mangium*	160	4	13	FELL	FELL	FELL	
3801	CT75	3801	811723.776	820122.316	台灣相思	*Acacia confusa*	110	5	10	FELL	FELL	FELL	
3801	CT750	3801	811625.911	820134.671	台灣相思	*Acacia confusa*	100	5	10	FELL	FELL	FELL	
3801	CT751	3801	811624.927	820135.487	台灣相思	*Acacia confusa*	160	5	12	FELL	FELL	FELL	
3801	CT752	3801	811623.359	820136.054	台灣相思	*Acacia confusa*	160	8	12	FELL	FELL	FELL	
3801	CT753	3801	811619.166	820136.604	台灣相思	*Acacia confusa*	140	6	11	FELL	FELL	FELL	
3801	CT754	3801	811619.192	820135.553	台灣相思	*Acacia confusa*	170	7	11	FELL	FELL	FELL	
3801	CT755	3801	811620.308	820133.625	大葉相思	*Acacia mangium*	190	6	9	FELL	FELL	FELL	
3801	CT756	3801	811617.352	820134.181	台灣相思	*Acacia confusa*	130	6	6	FELL	FELL	FELL	
3801	CT757	3801	811616.209	820134.397	台灣相思	*Acacia confusa*	170	5	13	FELL	FELL	FELL	
3801	CT758	3801	811615.358	820134.516	台灣相思	*Acacia confusa*	150	6	9	FELL	FELL	FELL	
3801	CT759	3801	811615.360	820135.360	台灣相思	*Acacia confusa*	150	7	10	FELL	FELL	FELL	
3801	CT76	3801	811721.819	820124.078	楝	*Melia azedarach*	220	10	11	FELL	FELL	FELL	
3801	CT760	3801	811616.474	820137.221	台灣相思	*Acacia confusa*	130	5	11	FELL	FELL	FELL	
3801	CT761	3801	811615.978	820138.200	台灣相思	*Acacia confusa*	160	5	12	FELL	FELL	FELL	
3801	CT762	3801	811615.183	820137.415	台灣相思	*Acacia confusa*	130	7	8	FELL	FELL	FELL	
3801	CT763	3801	811614.280	820138.663	台灣相思	*Acacia confusa*	190	8	10	FELL	FELL	FELL	
3801	CT764	3801	811612.488	820136.608	台灣相思	*Acacia confusa*	150	7	11	FELL	FELL	FELL	
3801	CT765	3801	811611.804	820128.114	銀合歡	*Leucaena leucocephala*	140	8	14	FELL	FELL	FELL	
3801	CT766	3801	811605.438	820134.692	銀合歡	*Leucaena leucocephala*	100	10	9	FELL	FELL	FELL	
3801	CT767	3801	811600.977	820136.418	銀合歡	*Leucaena leucocephala*	214	11	11	FELL	FELL	FELL	
3801	CT768	3801	811607.029	820137.200	台灣相思	*Acacia confusa*	170	6	11	FELL	FELL	FELL	
3801	CT769	3801	811601.200	820138.216	羊蹄甲屬	*Bauhinia spp.*	160	7	9	FELL	FELL	FELL	
3801	CT77	3801	811725.729	820127.252	大葉相思	*Acacia mangium*	120	4	7	FELL	FELL	FELL	
3801	CT770	3801	811600.374	820138.421	台灣相思	*Acacia confusa*	170	8	11	FELL	FELL	FELL	
3801	CT771	3801	811599.144	820138.377	台灣相思	*Acacia confusa*	210	8	9	FELL	FELL	FELL	
3801	CT772	3801	811597.809	820139.198	台灣相思	*Acacia confusa*	110	3	12	FELL	FELL	FELL	
3801	CT773	3801	811597.260	820138.444	台灣相思	*Acacia confusa*	140	10	9	FELL	FELL	FELL	
3801	CT774	3801	811597.287	820139.165	台灣相思	*Acacia confusa*	160	4	8	FELL	FELL	FELL	
3801	CT775	3801	811595.962	820139.020	台灣相思	*Acacia confusa*	120	3	7	FELL	FELL	FELL	
3801	CT776	3801	811593.928	820138.370	銀合歡	*Leucaena leucocephala*	100	4	12	FELL	FELL	FELL	
3801	CT777	3801	811594.215	820138.075	台灣相思	*Acacia confusa*	130	7	7	FELL	FELL	FELL	
3801	CT778	3801	811593.166	820139.137	台灣相思	*Acacia confusa*	130	4	6	FELL	FELL	FELL	
3801	CT779	3801	811591.717	820133.980	羊蹄甲屬	*Bauhinia spp.*	140	2	8	FELL	FELL	FELL	
3801	CT78	3801	811724.421	820128.780	大葉相思	*Acacia mangium*	180	5	10	FELL	FELL	FELL	
3801	CT780	3801	811589.094	820133.741	台灣相思	*Acacia confusa*	100	6	6	FELL	FELL	FELL	
3801	CT781	3801	811588.415	820134.141	台灣相思	*Acacia confusa*	110	7	10	FELL	FELL	FELL	
3801	CT782	3801	811588.561	820134.753	台灣相思	*Acacia confusa*	130	4	9	FELL	FELL	FELL	
3801	CT783	3801	811588.879	820136.717	銀合歡	*Leucaena leucocephala*	100	4	12	FELL	FELL	FELL	
3801	CT784	3801	811586.948	820136.122	台灣相思	*Acacia confusa*	120	5	10	FELL	FELL	FELL	
3801	CT785	3801	811587.466	820133.550	台灣相思	*Acacia confusa*	120	7	9	FELL	FELL	FELL	
3801	CT786	3801	811585.906	820133.493	台灣相思	*Acacia confusa*	120	5	12	FELL	FELL	FELL	
3801	CT787	3801	811584.819	820133.217	台灣相思	*Acacia confusa*	100	6	9	FELL	FELL	FELL	
3801	CT788	3801	811583.845	820133.243	台灣相思	*Acacia confusa*	120	4	12	FELL	FELL	FELL	
3801	CT789	3801	811582.540	820133.145	台灣相思	*Acacia confusa*	130	5	13	FELL	FELL	FELL	
3801	CT79	3801	811724.688	820129.666	大葉相思	*Acacia mangium*	210	5	8	FELL	FELL	FELL	
3801	CT790	3801	811581.815	820133.942	楝	*Melia azedarach*	130	5	13	FELL	FELL	FELL	
3801	CT791	3801	811581.298	820133.189	台灣相思	*Acacia confusa*	120	4	13	FELL	FELL	FELL	
3801	CT792	3801	811578.941	820135.776	羊蹄甲屬	*Bauhinia spp.*	100	3	10	FELL	FELL	FELL	
3801	CT793	3801	811578.058	820130.990	銀合歡	*Leucaena leucocephala*	100	5	13	FELL	FELL	FELL	
3801	CT794	3801	811576.009	820133.651	銀合歡	*Leucaena leucocephala*	111	3	13	FELL	FELL	FELL	
3801	CT795	3801	811575.216	820134.153	銀合歡	*Leucaena leucocephala*	140	7	13	FELL	FELL	FELL	
3801	CT796	3801	811577.485	820135.113	銀合歡	*Leucaena leucocephala*	120	8	7	FELL	FELL	FELL	
3801	CT797	3801	811576.206	820134.814	銀合歡	*Leucaena leucocephala*	120	9	9	FELL	FELL	FELL	
3801	CT798	3801	811571.463	820135.500	銀合歡	*Leucaena leucocephala*	100	5	9	FELL	FELL	FELL	
3801	CT799	3801	811570.756	820128.819	銀合歡	*Leucaena leucocephala*	110	3	13	FELL	FELL	FELL	
3801	CT80	3801	811724.289	820130.573	大葉相思	*Acacia mangium*	110	3	5	FELL	FELL	FELL	
3801	CT800	3801	811567.750	820130.213	銀合歡	*Leucaena leucocephala*	110	10	7	FELL	FELL	FELL	
3801	CT801	3801	811562.869	820130.496	銀合歡	*Leucaena leucocephala*	110	5	9	FELL	FELL	FELL	
3801	CT802	3801	811561.617	820130.104	銀合歡	*Leucaena leucocephala*	190	6	13	FELL	FELL	FELL	
3801	CT803	3801	811557.283	820130.588	銀合歡	*Leucaena leucocephala*	120	3	10	FELL	FELL	FELL	
3801	CT804	3801	811554.902	820133.605	銀合歡	*Leucaena leucocephala*	240	8	14	FELL	FELL	FELL	
3801	CT805	3801	811555.149	820137.178	銀合歡	*Leucaena leucocephala*	130	5	11	FELL	FELL	FELL	
3801	CT806	3801	811559.949	820139.787	銀合歡	*Leucaena leucocephala*	100	7	9	FELL	FELL	FELL	
3801	CT807	3801	811566.206	820137.497	銀合歡	*Leucaena leucocephala*	120	9	9	FELL	FELL	FELL	
3801	CT808	3801	811550.692	820140.926	銀合歡	*Leucaena leucocephala*	230	13	15	FELL	FELL	FELL	
3801	CT809	3801	811546.582	820140.800	銀合歡	*Leucaena leucocephala*	160	5	14	FELL	FELL	FELL	
3801	CT81	3801	811722.544	820132.500	大葉相思	*Acacia mangium*	210	5	10	FELL	FELL	FELL	
3801	CT810	3801	811546.590	820144.611	銀合歡	*Leucaena leucocephala*	100	2	9	FELL	FELL	FELL	
3801	CT811	3801	811544.960	820145.644	羊蹄甲屬	*Bauhinia spp.*	110	4	6	FELL	FELL	FELL	
3801	CT812	3801	811551.197	820149.059	銀合歡	*Leucaena leucocephala*	120	4	13	FELL	FELL	FELL	
3801	CT813	3801	811562.402	820145.653	銀合歡	*Leucaena leucocephala*	240	12	14	FELL	FELL	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3801	CT814	3801	811561.741	820144.121	銀合歡	*Leucaena leucocephala*	130	10	9	FELL	FELL	FELL	
3801	CT815	3801	811562.284	820142.342	黃花夾竹桃	*Thevetia peruviana*	110	4	8	FELL	FELL	FELL	
3801	CT816	3801	811564.294	820147.487	台灣相思	*Acacia confusa*	170	9	11	FELL	FELL	FELL	
3801	CT817	3801	811563.617	820147.668	台灣相思	*Acacia confusa*	160	8	12	FELL	FELL	FELL	
3801	CT818	3801	811564.151	820148.929	台灣相思	*Acacia confusa*	150	5	10	FELL	FELL	FELL	
3801	CT819	3801	811564.361	820149.574	台灣相思	*Acacia confusa*	170	6	10	FELL	FELL	FELL	
3801	CT82	3801	811721.594	820131.589	台灣相思	*Acacia confusa*	250	8	12	FELL	FELL	FELL	
3801	CT820	3801	811565.021	820150.461	楝	*Melia azedarach*	100	5	9	FELL	FELL	FELL	
3801	CT821	3801	811569.155	820152.269	羊蹄甲屬	*Bauhinia spp.*	350	6	8	FELL	FELL	FELL	
3801	CT822	3801	811573.060	820153.799	台灣相思	*Acacia confusa*	100	3	5	FELL	FELL	FELL	
3801	CT823	3801	811571.472	820151.374	羊蹄甲屬	*Bauhinia spp.*	110	4	9	FELL	FELL	FELL	
3801	CT824	3801	811574.713	820148.659	黃花夾竹桃	*Thevetia peruviana*	100	3	5	FELL	FELL	FELL	
3801	CT825	3801	811576.045	820146.801	大葉相思	*Acacia mangium*	170	4	9	FELL	FELL	FELL	
3801	CT826	3801	811572.201	820145.635	大葉相思	*Acacia mangium*	130	3	13	FELL	FELL	FELL	
3801	CT827	3801	811569.832	820145.748	大葉相思	*Acacia mangium*	240	5	15	FELL	FELL	FELL	
3801	CT828	3801	811567.519	820144.873	銀合歡	*Leucaena leucocephala*	160	11	13	FELL	FELL	FELL	
3801	CT829	3801	811565.683	820143.266	台灣相思	*Acacia confusa*	130	5	10	FELL	FELL	FELL	
3801	CT83	3801	811719.933	820136.186	銀合歡	*Leucaena leucocephala*	120	7	8	FELL	FELL	FELL	
3801	CT830	3801	811567.407	820142.123	台灣相思	*Acacia confusa*	262	8	14	FELL	FELL	FELL	
3801	CT831	3801	811568.429	820142.307	台灣相思	*Acacia confusa*	100	3	8	FELL	FELL	FELL	
3801	CT832	3801	811568.567	820140.845	台灣相思	*Acacia confusa*	200	5	12	FELL	FELL	FELL	
3801	CT833	3801	811565.694	820138.207	銀合歡	*Leucaena leucocephala*	110	9	9	FELL	FELL	FELL	
3801	CT834	3801	811566.979	820136.897	銀合歡	*Leucaena leucocephala*	130	9	8	FELL	FELL	FELL	
3801	CT835	3801	811569.853	820137.673	銀合歡	*Leucaena leucocephala*	100	6	10	FELL	FELL	FELL	
3801	CT836	3801	811570.161	820142.657	銀合歡	*Leucaena leucocephala*	130	6	13	FELL	FELL	FELL	
3801	CT837	3801	811572.243	820144.089	銀合歡	*Leucaena leucocephala*	210	6	15	FELL	FELL	FELL	
3801	CT838	3801	811574.635	820140.154	銀合歡	*Leucaena leucocephala*	130	5	15	FELL	FELL	FELL	
3801	CT839	3801	811576.650	820137.984	銀合歡	*Leucaena leucocephala*	130	3	7	FELL	FELL	FELL	
3801	CT84	3801	811719.219	820136.163	大葉相思	*Acacia mangium*	320	6	8	FELL	FELL	FELL	
3801	CT840	3801	811577.628	820138.723	銀合歡	*Leucaena leucocephala*	190	3	9	FELL	FELL	FELL	
3801	CT841	3801	811578.316	820142.223	銀合歡	*Leucaena leucocephala*	150	4	13	FELL	FELL	FELL	
3801	CT842	3801	811579.737	820141.507	銀合歡	*Leucaena leucocephala*	140	4	11	FELL	FELL	FELL	
3801	CT843	3801	811580.667	820139.394	羊蹄甲屬	*Bauhinia spp.*	130	6	9	FELL	FELL	FELL	
3801	CT844	3801	811581.310	820138.926	羊蹄甲屬	*Bauhinia spp.*	120	4	10	FELL	FELL	FELL	
3801	CT845	3801	811584.404	820138.480	楝	*Melia azedarach*	160	4	11	FELL	FELL	FELL	
3801	CT846	3801	811585.268	820137.673	台灣相思	*Acacia confusa*	150	6	11	FELL	FELL	FELL	
3801	CT847	3801	811586.029	820137.552	台灣相思	*Acacia confusa*	200	5	11	FELL	FELL	FELL	
3801	CT848	3801	811587.422	820139.790	大葉相思	*Acacia mangium*	180	5	12	FELL	FELL	FELL	
3801	CT849	3801	811589.924	820140.332	大葉相思	*Acacia mangium*	170	5	14	FELL	FELL	FELL	
3801	CT85	3801	811718.831	820137.027	大葉相思	*Acacia mangium*	200	5	11	FELL	FELL	FELL	
3801	CT850	3801	811591.556	820144.270	死樹	Dead tree	110	3	7	FELL	FELL	FELL	
3801	CT851	3801	811589.685	820144.051	大葉相思	*Acacia mangium*	110	4	8	FELL	FELL	FELL	
3801	CT852	3801	811588.829	820144.002	大葉相思	*Acacia mangium*	120	4	9	FELL	FELL	FELL	
3801	CT853	3801	811587.225	820143.919	羊蹄甲屬	*Bauhinia spp.*	100	5	8	FELL	FELL	FELL	
3801	CT854	3801	811585.540	820145.185	羊蹄甲屬	*Bauhinia spp.*	120	5	9	FELL	FELL	FELL	
3801	CT855	3801	811584.517	820145.257	台灣相思	*Acacia confusa*	130	4	9	FELL	FELL	FELL	
3801	CT857	3801	811580.058	820144.562	楝	*Melia azedarach*	240	6	15	FELL	FELL	FELL	
3801	CT858	3801	811580.584	820145.353	大葉相思	*Acacia mangium*	150	4	10	FELL	FELL	FELL	
3801	CT859	3801	811574.848	820144.564	紅膠木	*Lophostemon confertus*	190	4	12	FELL	FELL	FELL	
3801	CT86	3801	811718.356	820137.511	大葉相思	*Acacia mangium*	100	1	7	FELL	FELL	FELL	
3801	CT860	3801	811577.483	820146.380	大葉相思	*Acacia mangium*	160	4	10	FELL	FELL	FELL	
3801	CT861	3801	811580.149	820149.877	楝	*Melia azedarach*	140	8	9	FELL	FELL	FELL	
3801	CT862	3801	811581.324	820150.528	楝	*Melia azedarach*	160	5	11	FELL	FELL	FELL	
3801	CT863	3801	811584.560	820148.364	黃花夾竹桃	*Thevetia peruviana*	227	6	5	FELL	FELL	FELL	
3801	CT864	3801	811585.547	820145.824	台灣相思	*Acacia confusa*	260	10	15	FELL	FELL	FELL	
3801	CT865	3801	811587.979	820145.608	台灣相思	*Acacia confusa*	120	4	11	FELL	FELL	FELL	
3801	CT866	3801	811588.179	820146.363	台灣相思	*Acacia confusa*	100	4	8	FELL	FELL	FELL	
3801	CT867	3801	811588.976	820145.743	台灣相思	*Acacia confusa*	150	5	10	FELL	FELL	FELL	
3801	CT868	3801	811589.724	820145.959	台灣相思	*Acacia confusa*	130	9	11	FELL	FELL	FELL	
3801	CT869	3801	811591.414	820146.139	台灣相思	*Acacia confusa*	170	8	12	FELL	FELL	FELL	
3801	CT87	3801	811717.268	820134.654	台灣相思	*Acacia confusa*	140	7	11	FELL	FELL	FELL	
3801	CT870	3801	811594.954	820145.213	台灣相思	*Acacia confusa*	130	3	6	FELL	FELL	FELL	
3801	CT871	3801	811598.786	820143.495	台灣相思	*Acacia confusa*	156	5	8	FELL	FELL	FELL	
3801	CT872	3801	811601.688	820142.760	大葉相思	*Acacia mangium*	110	4	9	FELL	FELL	FELL	
3801	CT873	3801	811595.781	820140.705	銀合歡	*Leucaena leucocephala*	120	4	11	FELL	FELL	FELL	
3801	CT874	3801	811605.070	820141.771	大葉相思	*Acacia mangium*	310	8	14	FELL	FELL	FELL	
3801	CT875	3801	811607.701	820143.001	台灣相思	*Acacia confusa*	130	8	10	FELL	FELL	FELL	
3801	CT876	3801	811606.565	820144.331	台灣相思	*Acacia confusa*	100	7	7	FELL	FELL	FELL	
3801	CT877	3801	811607.277	820144.851	台灣相思	*Acacia confusa*	150	6	11	FELL	FELL	FELL	
3801	CT878	3801	811608.072	820146.824	楝	*Melia azedarach*	160	4	12	FELL	FELL	FELL	
3801	CT879	3801	811609.273	820144.867	台灣相思	*Acacia confusa*	180	5	11	FELL	FELL	FELL	
3801	CT88	3801	811716.411	820138.704	大葉相思	*Acacia mangium*	110	6	5	FELL	FELL	FELL	
3801	CT880	3801	811609.509	820143.208	台灣相思	*Acacia confusa*	160	4	12	FELL	FELL	FELL	
3801	CT881	3801	811615.677	820142.284	大葉相思	*Acacia mangium*	180	5	12	FELL	FELL	FELL	
3801	CT882	3801	811617.651	820141.156	死樹	Dead tree	340	8	10	FELL	FELL	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3801	CT883	3801	811623.063	820139.727	台灣相思	*Acacia confusa*	100	5	12	FELL	FELL	FELL	
3801	CT884	3801	811623.527	820141.084	大葉相思	*Acacia mangium*	200	5	15	FELL	FELL	FELL	
3801	CT885	3801	811628.092	820137.432	台灣相思	*Acacia confusa*	130	5	13	FELL	FELL	FELL	
3801	CT886	3801	811628.826	820137.058	台灣相思	*Acacia confusa*	130	6	13	FELL	FELL	FELL	
3801	CT887	3801	811631.684	820141.243	羊蹄甲屬	*Bauhinia spp.*	110	5	5	FELL	FELL	FELL	
3801	CT888	3801	811634.432	820142.740	台灣相思	*Acacia confusa*	160	6	9	FELL	FELL	FELL	
3801	CT889	3801	811635.834	820143.492	台灣相思	*Acacia confusa*	120	4	7	FELL	FELL	FELL	
3801	CT89	3801	811715.371	820140.085	大葉相思	*Acacia mangium*	190	5	12	FELL	FELL	FELL	
3801	CT890	3801	811634.916	820143.892	台灣相思	*Acacia confusa*	140	6	7	FELL	FELL	FELL	
3801	CT891	3801	811634.225	820144.356	台灣相思	*Acacia confusa*	160	5	8	FELL	FELL	FELL	
3801	CT892	3801	811633.245	820144.855	台灣相思	*Acacia confusa*	110	3	8	FELL	FELL	FELL	
3801	CT893	3801	811633.575	820143.683	台灣相思	*Acacia confusa*	120	4	9	FELL	FELL	FELL	
3801	CT894	3801	811629.873	820143.990	大葉相思	*Acacia mangium*	140	4	9	FELL	FELL	FELL	
3801	CT895	3801	811629.602	820141.735	楝	*Melia azedarach*	230	7	10	FELL	FELL	FELL	
3801	CT896	3801	811626.640	820143.059	台灣相思	*Acacia confusa*	160	7	10	FELL	FELL	FELL	
3801	CT897	3801	811625.725	820143.760	台灣相思	*Acacia confusa*	140	6	9	FELL	FELL	FELL	
3801	CT898	3801	811624.816	820143.764	台灣相思	*Acacia confusa*	130	5	12	FELL	FELL	FELL	
3801	CT899	3801	811622.496	820144.157	台灣相思	*Acacia confusa*	120	4	11	FELL	FELL	FELL	
3801	CT90	3801	811715.871	820141.038	銀合歡	*Leucaena leucocephala*	156	7	9	FELL	FELL	FELL	
3801	CT900	3801	811621.995	820144.111	台灣相思	*Acacia confusa*	130	6	11	FELL	FELL	FELL	
3801	CT901	3801	811623.874	820148.391	羊蹄甲屬	*Bauhinia spp.*	190	5	7	FELL	FELL	FELL	
3801	CT902	3801	811616.806	820148.572	台灣相思	*Acacia confusa*	180	5	8	FELL	FELL	FELL	
3801	CT903	3801	811615.634	820146.515	台灣相思	*Acacia confusa*	150	4	8	FELL	FELL	FELL	
3801	CT904	3801	811616.003	820146.226	台灣相思	*Acacia confusa*	120	3	7	FELL	FELL	FELL	
3801	CT905	3801	811617.460	820144.787	台灣相思	*Acacia confusa*	110	4	8	FELL	FELL	FELL	
3801	CT906	3801	811615.943	820145.358	台灣相思	*Acacia confusa*	110	3	8	FELL	FELL	FELL	
3801	CT907	3801	811614.500	820145.765	台灣相思	*Acacia confusa*	150	5	8	FELL	FELL	FELL	
3801	CT908	3801	811613.465	820148.156	台灣相思	*Acacia confusa*	231	5	8	FELL	FELL	FELL	
3801	CT909	3801	811605.529	820149.520	台灣相思	*Acacia confusa*	170	4	7	FELL	FELL	FELL	
3801	CT91	3801	811714.961	820141.592	楝	*Melia azedarach*	120	4	11	FELL	FELL	FELL	
3801	CT910	3801	811604.252	820149.564	台灣相思	*Acacia confusa*	140	5	8	FELL	FELL	FELL	
3801	CT911	3801	811603.428	820150.140	台灣相思	*Acacia confusa*	120	5	6	FELL	FELL	FELL	
3801	CT912	3801	811604.253	820150.610	台灣相思	*Acacia confusa*	170	3	7	FELL	FELL	FELL	
3801	CT913	3801	811601.190	820147.756	大葉相思	*Acacia mangium*	150	3	7	FELL	FELL	FELL	
3801	CT914	3801	811600.852	820149.490	羊蹄甲屬	*Bauhinia spp.*	100	4	5	FELL	FELL	FELL	
3801	CT915	3801	811594.236	820151.876	楝	*Melia azedarach*	190	5	7	FELL	FELL	FELL	
3801	CT916	3801	811593.879	820152.722	楝	*Melia azedarach*	140	4	7	FELL	FELL	FELL	
3801	CT917	3801	811670.016	820072.115	羊蹄甲屬	*Bauhinia spp.*	120	4	7	FELL	FELL	FELL	
3801	CT918	3801	811667.265	820071.504	大葉相思	*Acacia mangium*	180	3	10	FELL	FELL	FELL	
3801	CT919	3801	811666.338	820069.213	黃槿	*Hibiscus tiliaceus*	170	7	10	FELL	FELL	FELL	
3801	CT92	3801	811716.807	820139.580	大葉相思	*Acacia mangium*	110	6	7	FELL	FELL	FELL	
3801	CT920	3801	811665.058	820069.603	黃花夾竹桃	*Thevetia peruviana*	110	6	8	FELL	FELL	FELL	
3801	CT921	3801	811664.677	820072.149	台灣相思	*Acacia confusa*	210	5	11	FELL	FELL	FELL	
3801	CT922	3801	811666.505	820075.134	台灣相思	*Acacia confusa*	140	4	10	FELL	FELL	FELL	
3801	CT923	3801	811665.474	820076.628	台灣相思	*Acacia confusa*	210	6	10	FELL	FELL	FELL	
3801	CT924	3801	811663.803	820074.288	楝	*Melia azedarach*	280	5	12	FELL	FELL	FELL	
3801	CT925	3801	811662.143	820074.568	楝	*Melia azedarach*	240	3	12	FELL	FELL	FELL	
3801	CT926	3801	811661.820	820076.670	台灣相思	*Acacia confusa*	180	7	8	FELL	FELL	FELL	
3801	CT927	3801	811661.633	820072.276	台灣相思	*Acacia confusa*	100	4	7	FELL	FELL	FELL	
3801	CT928	3801	811659.005	820073.211	台灣相思	*Acacia confusa*	120	4	8	FELL	FELL	FELL	
3801	CT929	3801	811656.636	820075.849	台灣相思	*Acacia confusa*	100	3	5	FELL	FELL	FELL	
3801	CT93	3801	811713.309	820143.632	銀合歡	*Leucaena leucocephala*	218	15	9	FELL	FELL	FELL	
3801	CT930	3801	811658.430	820076.247	台灣相思	*Acacia confusa*	120	4	8	FELL	FELL	FELL	
3801	CT931	3801	811658.357	820077.197	大葉相思	*Acacia mangium*	290	6	12	FELL	FELL	FELL	
3801	CT933	3801	811657.583	820077.756	台灣相思	*Acacia confusa*	180	3	12	FELL	FELL	FELL	
3801	CT934	3801	811657.506	820078.760	大葉相思	*Acacia mangium*	230	4	11	FELL	FELL	FELL	
3801	CT935	3801	811656.423	820079.238	大葉相思	*Acacia mangium*	140	4	11	FELL	FELL	FELL	
3801	CT937	3801	811656.524	820077.007	台灣相思	*Acacia confusa*	130	4	8	FELL	FELL	FELL	
3801	CT938	3801	811655.646	820079.505	大葉相思	*Acacia mangium*	240	4	11	FELL	FELL	FELL	
3801	CT939	3801	811654.826	820077.818	台灣相思	*Acacia confusa*	100	5	8	FELL	FELL	FELL	
3801	CT94	3801	811713.024	820131.351	台灣相思	*Acacia confusa*	140	9	10	FELL	FELL	FELL	
3801	CT940	3801	811653.505	820081.248	紅膠木	*Lophostemon confertus*	100	4	15	FELL	FELL	FELL	
3801	CT941	3801	811654.776	820076.723	台灣相思	*Acacia confusa*	130	7	7	FELL	FELL	FELL	
3801	CT942	3801	811653.900	820077.304	台灣相思	*Acacia confusa*	280	7	11	FELL	FELL	FELL	
3801	CT943	3801	811650.929	820079.337	羊蹄甲屬	*Bauhinia spp.*	120	5	6	FELL	FELL	FELL	
3801	CT944	3801	811648.167	820080.445	羊蹄甲屬	*Bauhinia spp.*	110	5	7	FELL	FELL	FELL	
3801	CT945	3801	811647.472	820080.151	羊蹄甲屬	*Bauhinia spp.*	100	7	8	FELL	FELL	FELL	
3801	CT946	3801	811647.460	820080.816	羊蹄甲屬	*Bauhinia spp.*	150	7	7	FELL	FELL	FELL	
3801	CT947	3801	811646.663	820080.322	羊蹄甲屬	*Bauhinia spp.*	120	5	10	FELL	FELL	FELL	
3801	CT948	3801	811644.172	820079.271	楝	*Melia azedarach*	390	9	11	FELL	FELL	FELL	
3801	CT949	3801	811643.895	820081.576	台灣相思	*Acacia confusa*	205	8	9	FELL	FELL	FELL	
3801	CT95	3801	811712.308	820131.465	台灣相思	*Acacia confusa*	130	5	10	FELL	FELL	FELL	
3801	CT950	3801	811644.415	820081.982	台灣相思	*Acacia confusa*	120	7	7	FELL	FELL	FELL	
3801	CT951	3801	811644.374	820083.085	大葉相思	*Acacia mangium*	210	5	11	FELL	FELL	FELL	
3801	CT952	3801	811645.348	820084.083	大葉相思	*Acacia mangium*	205	5	7	FELL	FELL	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3801	CT953	3801	811642.829	820084.523	大葉相思	*Acacia mangium*	230	4	11	FELL	FELL	FELL	
3801	CT954	3801	811642.497	820083.054	台灣相思	*Acacia confusa*	120	4	8	FELL	FELL	FELL	
3801	CT955	3801	811641.830	820084.715	大葉相思	*Acacia mangium*	100	3	5	FELL	FELL	FELL	
3801	CT956	3801	811641.135	820083.922	大葉相思	*Acacia mangium*	290	5	12	FELL	FELL	FELL	
3801	CT957	3801	811641.451	820082.261	台灣相思	*Acacia confusa*	130	4	8	FELL	FELL	FELL	
3801	CT958	3801	811639.808	820083.258	台灣相思	*Acacia confusa*	150	4	10	FELL	FELL	FELL	
3801	CT959	3801	811640.123	820084.116	大葉相思	*Acacia mangium*	140	4	8	FELL	FELL	FELL	
3801	CT96	3801	811711.858	820130.574	台灣相思	*Acacia confusa*	140	5	9	FELL	FELL	FELL	
3801	CT960	3801	811639.974	820088.710	大葉相思	*Acacia mangium*	300	6	11	FELL	FELL	FELL	
3801	CT961	3801	811637.927	820085.962	紅膠木	*Lophostemon confertus*	100	5	8	FELL	FELL	FELL	
3801	CT962	3801	811635.834	820087.092	紅膠木	*Lophostemon confertus*	100	5	8	FELL	FELL	FELL	
3801	CT963	3801	811636.340	820084.950	羊蹄甲屬	*Bauhinia spp.*	100	3	8	FELL	FELL	FELL	
3801	CT964	3801	811637.112	820082.146	紅膠木	*Lophostemon confertus*	120	5	6	FELL	FELL	FELL	
3801	CT965	3801	811631.954	820085.976	台灣相思	*Acacia confusa*	260	7	12	FELL	FELL	FELL	
3801	CT966	3801	811633.441	820086.855	台灣相思	*Acacia confusa*	120	4	9	FELL	FELL	FELL	
3801	CT967	3801	811631.858	820086.727	台灣相思	*Acacia confusa*	120	6	6	FELL	FELL	FELL	
3801	CT968	3801	811632.465	820087.105	台灣相思	*Acacia confusa*	160	4	11	FELL	FELL	FELL	
3801	CT969	3801	811630.829	820087.183	台灣相思	*Acacia confusa*	130	5	8	FELL	FELL	FELL	
3801	CT97	3801	811711.245	820131.195	台灣相思	*Acacia confusa*	170	7	10	FELL	FELL	FELL	
3801	CT970	3801	811631.393	820087.900	台灣相思	*Acacia confusa*	120	7	7	FELL	FELL	FELL	
3801	CT971	3801	811633.283	820088.061	台灣相思	*Acacia confusa*	110	5	6	FELL	FELL	FELL	
3801	CT972	3801	811635.631	820089.192	楝	*Melia azedarach*	240	5	12	FELL	FELL	FELL	
3801	CT973	3801	811629.298	820085.653	楝	*Melia azedarach*	220	7	12	FELL	FELL	FELL	
3801	CT974	3801	811623.906	820086.085	大葉相思	*Acacia mangium*	310	5	12	FELL	FELL	FELL	
3801	CT975	3801	811622.994	820086.361	大葉相思	*Acacia mangium*	140	3	11	FELL	FELL	FELL	
3801	CT976	3801	811623.550	820087.356	大葉相思	*Acacia mangium*	170	5	11	FELL	FELL	FELL	
3801	CT977	3801	811621.966	820087.134	死樹	Dead tree	170	3	12	FELL	FELL	FELL	
3801	CT978	3801	811623.281	820088.260	大葉相思	*Acacia mangium*	180	4	11	FELL	FELL	FELL	
3801	CT979	3801	811624.497	820088.077	大葉相思	*Acacia mangium*	280	8	12	FELL	FELL	FELL	
3801	CT98	3801	811710.313	820131.891	台灣相思	*Acacia confusa*	150	7	9	FELL	FELL	FELL	
3801	CT980	3801	811624.120	820089.260	大葉相思	*Acacia mangium*	100	5	7	FELL	FELL	FELL	
3801	CT981	3801	811625.260	820092.836	大葉相思	*Acacia mangium*	210	4	10	FELL	FELL	FELL	
3801	CT982	3801	811622.968	820092.013	紅膠木	*Lophostemon confertus*	100	4	6	FELL	FELL	FELL	
3801	CT983	3801	811622.077	820091.055	台灣相思	*Acacia confusa*	160	6	10	FELL	FELL	FELL	
3801	CT984	3801	811621.398	820090.268	台灣相思	*Acacia confusa*	100	5	10	FELL	FELL	FELL	
3801	CT985	3801	811621.163	820091.290	台灣相思	*Acacia confusa*	120	5	6	FELL	FELL	FELL	
3801	CT986	3801	811620.622	820090.790	台灣相思	*Acacia confusa*	110	5	10	FELL	FELL	FELL	
3801	CT987	3801	811619.796	820090.089	台灣相思	*Acacia confusa*	190	7	10	FELL	FELL	FELL	
3801	CT988	3801	811619.133	820087.566	大葉相思	*Acacia mangium*	230	6	12	FELL	FELL	FELL	
3801	CT989	3801	811618.346	820089.535	羊蹄甲屬	*Bauhinia spp.*	110	3	10	FELL	FELL	FELL	
3801	CT99	3801	811706.145	820136.848	楝	*Melia azedarach*	220	7	9	FELL	FELL	FELL	
3801	CT990	3801	811616.978	820087.816	紅膠木	*Lophostemon confertus*	110	3	8	FELL	FELL	FELL	
3801	CT991	3801	811617.107	820090.263	羊蹄甲屬	*Bauhinia spp.*	140	5	10	FELL	FELL	FELL	
3801	CT992	3801	811614.730	820091.061	大葉相思	*Acacia mangium*	210	3	11	FELL	FELL	FELL	
3801	CT993	3801	811614.324	820090.844	大葉相思	*Acacia mangium*	130	2	11	FELL	FELL	FELL	
3801	CT994	3801	811613.921	820091.427	大葉相思	*Acacia mangium*	210	4	9	FELL	FELL	FELL	
3801	CT995	3801	811613.384	820091.001	大葉相思	*Acacia mangium*	400	9	14	FELL	FELL	FELL	
3801	CT996	3801	811613.115	820088.535	大葉相思	*Acacia mangium*	410	6	13	FELL	FELL	FELL	
3801	CT997	3801	811611.615	820088.742	羊蹄甲屬	*Bauhinia spp.*	100	6	8	FELL	FELL	FELL	
3801	CT998	3801	811610.086	820091.235	羊蹄甲屬	*Bauhinia spp.*	110	5	7	FELL	FELL	FELL	
3801	CT999	3801	811608.617	820089.393	羊蹄甲屬	*Bauhinia spp.*	100	2	12	FELL	FELL	FELL	
3801	P252/CT305	3801	811786.397	819946.253	垂葉榕	*Ficus benjamina*	215	5	7	FELL	FELL	FELL	
3801	P252/CT306	3801	811785.442	819950.058	垂葉榕	*Ficus benjamina*	200	6	7	FELL	FELL	FELL	
3801	P252/CT307	3801	811784.457	819954.052	垂葉榕	*Ficus benjamina*	225	6	7	FELL	FELL	FELL	
3801	P252/CT308	3801	811783.426	819957.428	垂葉榕	*Ficus benjamina*	210	6	7	FELL	FELL	FELL	
3801	P252/CT309	3801	811782.225	819961.739	垂葉榕	*Ficus benjamina*	280	7	7	FELL	FELL	FELL	
3801	P252/CT310	3801	811779.809	819969.496	垂葉榕	*Ficus benjamina*	210	5	6	FELL	FELL	FELL	
3801	P252/CT311	3801	811778.480	819973.314	垂葉榕	*Ficus benjamina*	255	6	7	FELL	FELL	FELL	
3801	P252/CT312	3801	811777.481	819977.223	垂葉榕	*Ficus benjamina*	215	6	7	FELL	FELL	FELL	
3801	P252/CT313	3801	811776.405	819980.743	垂葉榕	*Ficus benjamina*	225	6	7	FELL	FELL	FELL	
3801	P252/CT314	3801	811770.989	819930.305	垂葉榕	*Ficus benjamina*	140	3	5	FELL	FELL	FELL	
3801	P252/CT315	3801	811769.878	819933.451	大葉相思	*Acacia mangium*	220	3	7	FELL	FELL	FELL	
3801	P252/CT316	3801	811757.330	819970.896	大葉相思	*Acacia mangium*	245	5	8	FELL	FELL	FELL	
3801	P252/CT506	3801	811736.868	820021.775	大葉相思	*Acacia mangium*	205	4	5	FELL	FELL	FELL	
3801	P252/CT507	3801	811728.866	820034.748	耳果相思	*Acacia auriculiformis*	160	4	5	FELL	FELL	FELL	
3801	P252/CT508	3801	811725.942	820039.012	大葉相思	*Acacia mangium*	255	5	7	FELL	FELL	FELL	
3801	P252/CT509	3801	811717.896	820049.460	大葉相思	*Acacia mangium*	160	4	6	FELL	FELL	FELL	
3801	P252/CT510	3801	811714.594	820053.262	大葉相思	*Acacia mangium*	220	5	6	FELL	FELL	FELL	
3801	P252/CT511	3801	811711.315	820056.891	耳果相思	*Acacia auriculiformis*	200	5	7	FELL	FELL	FELL	
3801	P252/CT512	3801	811704.103	820064.238	大葉相思	*Acacia mangium*	205	5	7	FELL	FELL	FELL	
3801	P252/CT513	3801	811699.979	820068.095	大葉相思	*Acacia mangium*	205	5	7	FELL	FELL	FELL	
3801	P252/CT514	3801	811692.594	820074.350	大葉相思	*Acacia mangium*	175	5	6	FELL	FELL	FELL	
3801	P252/CT515	3801	811688.504	820077.506	大葉相思	*Acacia mangium*	245	5	8	FELL	FELL	FELL	
3801	P252/CT544	3801	811674.863	820053.976	台灣相思	*Acacia confusa*	175	7	7	FELL	FELL	FELL	
3801	P252/CT545	3801	811675.324	820053.377	台灣相思	*Acacia confusa*	255	5	11	FELL	FELL	FELL	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3801	P252/CT546	3801	811676.786	820051.154	台灣相思	*Acacia confusa*	230	8	11	FELL	FELL	FELL	
3801	P252/CT547	3801	811674.578	820053.029	台灣相思	*Acacia confusa*	130	5	10	FELL	FELL	FELL	
3801	P252/CT548	3801	811676.225	820050.495	台灣相思	*Acacia confusa*	285	8	11	FELL	FELL	FELL	
3801	P252/CT549	3801	811677.397	820049.129	台灣相思	*Acacia confusa*	150	5	6	FELL	FELL	FELL	
3801	P252/CT550	3801	811676.920	820049.641	台灣相思	*Acacia confusa*	250	6	9	FELL	FELL	FELL	
3801	P252/CT551	3801	811678.441	820048.391	台灣相思	*Acacia confusa*	115	4	6	FELL	FELL	FELL	
3801	P252/CT552	3801	811678.364	820047.144	大葉相思	*Acacia mangium*	170	3	5	FELL	FELL	FELL	
3801	P252/CT553	3801	811681.041	820038.225	大葉相思	*Acacia mangium*	135	4	4	FELL	FELL	FELL	
3801	P252/CT554	3801	811678.721	820035.693	大葉相思	*Acacia mangium*	250	8	10	FELL	FELL	FELL	
3801	P252/CT555	3801	811677.782	820034.753	大葉相思	*Acacia mangium*	145	5	5	FELL	FELL	FELL	
3801	P252/CT556	3801	811677.084	820042.980	台灣相思	*Acacia confusa*	110	2	4	FELL	FELL	FELL	
3801	P252/CT558	3801	811674.373	820041.894	台灣相思	*Acacia confusa*	135	4	7	FELL	FELL	FELL	
3801	P252/CT558A	3801	811673.066	820042.919	楝	*Melia azedarach*	339	6	9	FELL	FELL	FELL	
3801	P252/CT559	3801	811674.194	820039.949	台灣相思	*Acacia confusa*	190	5	7	FELL	FELL	FELL	
3801	P252/CT560	3801	811675.793	820041.152	洋紫荊	*Bauhinia x blakeana*	155	5	5	FELL	FELL	FELL	
3801	P282/CT2781	3801	811730.934	819980.528	大葉合歡	*Albizia lebbeck*	387	5	7	FELL	FELL	FELL	
3801	P282/CT2782	3801	811732.589	819980.236	大葉合歡	*Albizia lebbeck*	420	7	7	FELL	FELL	FELL	
3801	P282/CT2783	3801	811705.680	819982.670	垂葉榕	*Ficus benjamina*	330	4	7	FELL	FELL	FELL	
3801	P282/CT2784	3801	811715.065	819959.190	垂葉榕	*Ficus benjamina*	280	5	8	FELL	FELL	FELL	
3801	P282/CT2785	3801	811710.165	819974.829	垂葉榕	*Ficus benjamina*	290	4	6	FELL	FELL	FELL	
3801	P282/CT2786	3801	811722.794	819993.266	銀樺	*Grevillea robusta*	220	2	7	FELL	FELL	FELL	
3801	P282/CT2787	3801	811721.805	819994.885	銀樺	*Grevillea robusta*	160	2	3	FELL	FELL	FELL	
3801	P282/CT2788	3801	811719.302	819996.355	銀樺	*Grevillea robusta*	240	3	4	FELL	FELL	FELL	
3801	P282/CT2789	3801	811717.300	819998.983	銀樺	*Grevillea robusta*	210	3	3	FELL	FELL	FELL	
3801	P282/CT2790	3801	811714.266	819999.652	銀樺	*Grevillea robusta*	110	2	2	FELL	FELL	FELL	
3801	P282/CT2791	3801	811707.011	820006.025	銀樺	*Grevillea robusta*	130	2	2	FELL	FELL	FELL	
3801	P282/CT2792	3801	811702.827	820008.238	銀樺	*Grevillea robusta*	220	2	6	FELL	FELL	FELL	
3801	P282/CT2793	3801	811671.180	820035.119	台灣相思	*Acacia confusa*	215	6	11	FELL	FELL	FELL	
3801	P282/CT2794	3801	811669.341	820036.385	台灣相思	*Acacia confusa*	190	5	10	FELL	FELL	FELL	
3801	P282/CT2795	3801	811671.386	820037.808	台灣相思	*Acacia confusa*	151	5	8	FELL	FELL	FELL	
3801	P282/CT2796	3801	811672.821	820036.394	台灣相思	*Acacia confusa*	167	4	6	FELL	FELL	FELL	
3801	P282/CT2797	3801	811673.009	820039.742	台灣相思	*Acacia confusa*	145	3	10	FELL	FELL	FELL	
3801	P282/CT2798	3801	811669.020	820030.417	紅花羊蹄甲	*Bauhinia purpurea*	125	4	6	FELL	FELL	FELL	
3801	P282/CT2799	3801	811664.127	820032.433	台灣相思	*Acacia confusa*	130	3	7	FELL	FELL	FELL	
3801	P282/CT2800	3801	811661.345	820030.472	台灣相思	*Acacia confusa*	294	4	11	FELL	FELL	FELL	
3801	P282/CT2801	3801	811663.492	820030.323	台灣相思	*Acacia confusa*	135	5	9	FELL	FELL	FELL	
3801	P282/CT2802	3801	811661.830	820029.017	台灣相思	*Acacia confusa*	210	4	10	FELL	FELL	FELL	
3801	P282/CT2803	3801	811659.870	820029.129	台灣相思	*Acacia confusa*	210	4	11	FELL	FELL	FELL	
3801	P282/CT2804	3801	811658.410	820029.157	台灣相思	*Acacia confusa*	205	4	5	FELL	FELL	FELL	
3801	P282/CT2805	3801	811657.118	820027.234	台灣相思	*Acacia confusa*	195	7	8	FELL	FELL	FELL	
3801	P282/CT2806	3801	811655.342	820027.159	台灣相思	*Acacia confusa*	280	7	9	FELL	FELL	FELL	
3801	P282/CT2807	3801	811657.049	820026.390	台灣相思	*Acacia confusa*	300	6	8	FELL	FELL	FELL	
3801	P282/CT2808	3801	811658.352	820025.477	楝	*Melia azedarach*	305	5	8	FELL	FELL	FELL	
3801	T4	3801	811325.540	817818.640	朴樹	*Celtic sinensis*	300	8	8	*	*	RETAIN	
3801	T5	3801	811330.920	817809.530	朴樹	*Celtic sinensis*	201	4	8	*	*	RETAIN	
3801	T6	3801	811517.000	820156.000	羊蹄甲屬	*Bauhinia sp.*	100	2	7	*	*	RETAIN	
3801	CT1	3801	811779.400	820047.420	洋紫荊	*Bauhinia x blakeana*	170	6	5	RETAIN	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT10	3801	811778.996	820066.748	黃槿	*Hibiscus tiliaceus*	260	8	8	RETAIN	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT1194	3801	811656.468	820061.666	黃槿	*Hibiscus tiliaceus*	130	4	6	TRANSPLANT	TRANSPLANTED and REMOVED eventually	TRANSPLANTED and REMOVED eventually	
3801	CT1384	3801	811485.550	820119.160	黃槿	*Hibiscus tiliaceus*	150	5	7	*	RETAIN	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT1385	3801	811487.838	820119.829	紅膠木	*Lophostemon confertus*	100	4	6	RETAIN	REMOVED	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT1386	3801	811491.045	820120.986	大葉相思	*Acacia mangium*	220	6	8	RETAIN	REMOVED	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT1400	3801	811504.540	820136.560	黃槿	*Hibiscus tiliaceus*	110	4	6	FELL	REMOVED	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT1407	3801	811519.870	820152.010	台灣相思	*Acacia confusa*	120	5	5	FELL	RETAIN	RETAIN	
3801	CT1410	3801	811524.060	820160.860	黃花夾竹桃	*Thevetia peruviana*	100	5	5	RETAIN	REMOVED	REMOVED	
3801	CT1412	3801	811524.592	820161.933	紅膠木	*Lophostemon confertus*	260	5	12	RETAIN	REMOVED	REMOVED	
3801	CT1419	3801	811512.250	820154.110	台灣相思	*Acacia confusa*	100	5	6	FELL	REMOVED	REMOVED	
3801	CT1420	3801	811510.520	820151.960	黃槿	*Hibiscus tiliaceus*	110	5	5	FELL	REMOVED	REMOVED	
3801	CT1421	3801	811511.670	820153.020	台灣相思	*Acacia confusa*	100	2	7	FELL	REMOVED	REMOVED	
3801	CT1466	3801	811461.003	820109.928	台灣相思	*Acacia confusa*	120	4	10	RETAIN	REMOVED	Not under 3RS contract works area	Confirmed not locate within 3RS works area.
3801	CT1781	3802	811397.104	820232.882	楝	*Melia azedarach*	220	12	9	*	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1782	3802	811392.512	820242.437	耳果相思	*Acacia auriculiformis*	300	5	8	*	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1783	3802	811391.020	820246.866	楝	*Melia azedarach*	160	8	5	*	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3801	CT1784	3802	811385.669	820261.972	楝	*Melia azedarach*	120	8	5	*	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1785	3802	811385.390	820263.437	耳果相思	*Acacia auriculiformis*	170	10	7	*	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1786	3802	811373.311	820257.049	芒果	*Mangifera indica*	140	5	3	*	Not under 3RS contract works area	REMOVED	Removed due to fallen by typhoon on in Oct 2021
3801	CT1787	3802	811370.279	820266.619	芒果	*Mangifera indica*	190	8	5	*	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1788	3802	811374.659	820286.027	細葉榕	*Ficus microcarpa*	180	9	5	*	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1789	3802	811376.247	820288.268	耳果相思	*Acacia auriculiformis*	170	11	6	*	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1790	3802	811374.306	820297.023	耳果相思	*Acacia auriculiformis*	130	7	4	*	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1792	3801	811729.966	820235.793	小果皂莢	*Gleditsia australis*	95	5	3	RETAIN	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT1793	3801	811729.532	820239.130	構樹	*Broussonetia papyrifera*	95	3	5	RETAIN	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT1794	3801	811739.937	820208.692	洋紫荊	*Bauhinia x blakeana*	230	6	7	TRANSPLANT	TRANSPLANTED and REMOVED eventually	TRANSPLANTED and REMOVED eventually	
3801	CT1795	3801	811739.346	820213.489	洋紫荊	*Bauhinia x blakeana*	360	6	8	TRANSPLANT	TRANSPLANTED and REMOVED eventually	TRANSPLANTED and REMOVED eventually	
3801	CT1797	3801	811749.218	820235.896	洋紫荊	*Bauhinia x blakeana*	210	8	6	RETAIN	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT1802	3801	811758.456	820248.276	洋紫荊	*Bauhinia x blakeana*	190	7	8	RETAIN	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT1863	3801	811357.122	817711.776	藍花楹	*Jacaranda mimosifolia*	120	1	4	RETAIN	REMOVED	REMOVED	
3801	CT1889	3802	811422.128	820125.551	紅花羊蹄甲	*Bauhinia purpurea*	235	6	8	RETAIN	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1890	3802	811421.577	820124.746	楝	*Melia azedarach*	385	7	13	RETAIN	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1892	3802	811418.941	820124.187	楝	*Melia azedarach*	345	7	13	RETAIN	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1893	3802	811418.558	820134.982	銀合歡	*Leucaena leucocephala*	160	6	10	FELL	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1894	3802	811415.941	820133.798	大王椰子	*Roystonea regia*	220	5	11	RETAIN	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1895	3801	811417.251	820121.145	紅花羊蹄甲	*Bauhinia purpurea*	115	4	9	FELL	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT1896	3801	811418.101	820118.999	紅花羊蹄甲	*Bauhinia purpurea*	120	5	8	FELL	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT1897	3802	811416.715	820123.334	楝	*Melia azedarach*	185	5	12	RETAIN	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1898	3801	811415.329	820120.520	台灣相思	*Acacia confusa*	170	6	10	RETAIN	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT1899	3802	811413.121	820127.276	楝	*Melia azedarach*	190	6	11	RETAIN	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1900	3801	811413.444	820132.697	銀合歡	*Leucaena leucocephala*	240	6	14	RETAIN	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT1901	3802	811411.009	820131.884	銀合歡	*Leucaena leucocephala*	265	6	14	RETAIN	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1902	3802	811413.450	820119.803	台灣相思	*Acacia confusa*	115	4	9	RETAIN	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1904	3802	811409.703	820125.912	台灣相思	*Acacia confusa*	205	8	12	RETAIN	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3801	CT1905	3802	811409.245	820130.943	銀合歡	*Leucaena leucocephala*	195	6	11	RETAIN	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1906	3802	811407.373	820130.892	銀合歡	*Leucaena leucocephala*	100	4	9	RETAIN	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1907	3802	811406.374	820130.186	銀合歡	*Leucaena leucocephala*	155	5	11	RETAIN	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1908	3802	811405.316	820130.175	銀合歡	*Leucaena leucocephala*	185	6	11	RETAIN	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1909	3802	811404.951	820130.043	銀合歡	*Leucaena leucocephala*	195	6	11	RETAIN	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1910	3802	811403.694	820129.600	銀合歡	*Leucaena leucocephala*	175	6	11	RETAIN	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1911	3802	811402.934	820129.352	銀合歡	*Leucaena leucocephala*	155	7	10	RETAIN	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1912	3802	811402.151	820129.015	銀合歡	*Leucaena leucocephala*	175	5	10	RETAIN	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1913	3802	811404.413	820126.414	楝	*Melia azedarach*	230	7	12	RETAIN	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1914	3802	811402.489	820125.698	大葉相思	*Acacia mangium*	265	7	12	RETAIN	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1916	3801	811409.750	820118.537	台灣相思	*Acacia confusa*	120	5	6	FELL	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT1917	3802	811407.774	820117.712	台灣相思	*Acacia confusa*	185	6	12	FELL	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1933	3802	811395.591	820124.989	銀合歡	*Leucaena leucocephala*	225	8	12	FELL	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1934	3802	811394.365	820126.533	大王椰子	*Roystonea regia*	195	3	7	FELL	Not under 3RS contract works area	FELL	Felled due to conflict with 3RS works
3801	CT1935	3801	811391.775	820124.898	大王椰子	*Roystonea regia*	175	5	8	FELL	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT1936	3801	811389.839	820117.859	羊蹄甲屬	*Bauhinia* spp.	105	5	11	RETAIN	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT1937	3801	811389.384	820119.495	羊蹄甲屬	*Bauhinia* spp.	160	5	13	RETAIN	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT1938	3801	811387.277	820125.171	大王椰子	*Roystonea regia*	295	7	13	FELL	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT1939	3801	811385.278	820121.629	大王椰子	*Roystonea regia*	135	4	8	RETAIN	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT1940	3801	811381.781	820121.993	大王椰子	*Roystonea regia*	280	5	13	RETAIN	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT1941	3801	811379.316	820119.971	大王椰子	*Roystonea regia*	175	5	10	RETAIN	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT1942	3801	811376.816	820119.971	大王椰子	*Roystonea regia*	280	4	11	RETAIN	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT1943	3801	811386.611	820111.907	羊蹄甲屬	*Bauhinia* spp.	145	4	14	FELL	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT1944	3801	811384.836	820108.993	羊蹄甲屬	*Bauhinia* spp.	125	3	8	FELL	Not under 3RS contract works area	Not under 3RS contract works area	

Contracts	Tree ID	Current Maintenance Agency	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
							DBH (mm)	Crown Spread (m)	Height (m)				
3801	CT1945	3801	811383.257	820110.775	大葉相思	*Acacia mangium*	185	4	10	RETAIN	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT1946	3801	811384.182	820112.194	大葉相思	*Acacia mangium*	190	6	12	RETAIN	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT1947	3801	811380.318	820110.963	楝	*Melia azedarach*	365	8	12	RETAIN	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT1948	3801	811379.908	820110.229	楝	*Melia azedarach*	250	7	11	FELL	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT1949	3801	811381.211	820110.008	大葉相思	*Acacia mangium*	245	7	11	FELL	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT25	3801	811765.890	820102.090	黃槿	*Hibiscus tiliaceus*	350	8	8	RETAIN	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT26	3801	811762.970	820103.290	黃槿	*Hibiscus tiliaceus*	210	4	8	RETAIN	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT3	3801	811777.300	820054.800	洋紫荊	*Bauhinia x blakeana*	117	8	6	RETAIN	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT4	3801	811776.990	820058.030	洋紫荊	*Bauhinia x blakeana*	130	7	5	RETAIN	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT5	3801	811777.050	820062.150	黃槿	*Hibiscus tiliaceus*	350	10	9	RETAIN	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT6	3801	811772.600	820062.760	黃槿	*Hibiscus tiliaceus*	340	8	10	RETAIN	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT7	3801	811771.720	820066.210	黃槿	*Hibiscus tiliaceus*	360	11	10	RETAIN	Not under 3RS contract works area	Not under 3RS contract works area	
3801	CT8	3801	811774.646	820069.519	黃槿	*Hibiscus tiliaceus*	660	11	11	RETAIN	Not under 3RS contract works area	Not under 3RS contract works area	
3802	ESW001	3802	811355.878	820280.068	番石榴	*Psidium guajava*	250	7	8	*	*	FELL	
3802	ESW002	3802	811358.763	820281.225	楝	*Melia azedarach*	170	8	8	*	*	FELL	
3802	ESW003	3802	811370.340	820266.583	楝	*Melia azedarach*	100	6	5	*	*	FELL	
3802	ESW004	3802	811358.218	820227.985	細葉榕	*Ficus microcarpa*	150	8	6	*	*	FELL	
3802	T002	3802	811399.004	820126.502	銀合歡	*Leucaena leucocephala*	160	4	8	*	*	FELL	
3802	T005	3802	811397.729	820125.602	銀合歡	*Leucaena leucocephala*	160	4	8	*	*	FELL	
3802	T011	3802	811412.267	820133.294	黃花夾竹桃	*Thevetia peruviana*	100	4	6	*	*	FELL	
3802	T022	3802	811410.119	820128.730	銀合歡	*Leucaena leucocephala*	100	4	6	*	*	FELL	
3802	T030	3802	811419.596	820122.636	宮粉羊蹄甲	*Bauhinia variegata*	100	3	4	*	*	FELL	
3802	T031	3802	811418.214	820122.689	宮粉羊蹄甲	*Bauhinia variegata*	110	4	5	*	*	FELL	
3802	AT1	3802	811378.106	820243.758	細葉榕	*Ficus microcarpa*	700	6	7	*	*	FELL	
3802	AT2	3802	811401.388	820223.811	楝	*Melia azedarach*	300	4	9	*	*	FELL	
3802	AT3	3802	811372.285	820309.262	耳果相思	*Acacia auriculiformis*	170	4	7	*	*	FELL	
3802	AT4	3802	811449.757	820186.097	楝	*Melia azedarach*	300	5	9	*	*	FELL	
3802	AT5	3802	811466.876	820192.065	愛氏松	*Pinus elliottii*	130	3	6	*	*	FELL	
3802	AT6	3802	811527.327	820166.261	潺槁樹	*Litsea glutinosa*	150	5	8	*	*	TO-BE-FELLED	

(*): Not provided in LVP

NA for status : Not yet received by contractor in the reporting period

REMOVED for status: Tree felling due to typhoon or works not related to this Project

Green colour for cells: Changed of tree status during the period from end 2020 to end 2021

Existing Works Contracts Sub-total			
Retain	269	118	52
Transplant	26	14	26
To-be-felled	0	6	9
Fell	2177	2115	2316
NA	0	153	0

Appendix H

Contracts	Tree ID	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
						DBH (mm)	Crown Spread (m)	Height (m)				
Provisional Trees List (as of end 2021) (The number and recommendation of trees are provisional and are subject to updated tree survey results)												
3508	T01HK	811496.08	819846.25	細葉榕	*Ficus microcarpa*	150	7	6	RETAIN	NA	NA	
3508	T02HK	811510.247	819805.106	細葉榕	*Ficus microcarpa*	150	7	6	RETAIN	NA	NA	
3508	T1230	811955.808	819463.969	耳果相思	*Acacia auriculiformis*	320	7	11	RETAIN	NA	NA	
3508	T1231	811954.369	819466.181	旅人蕉	*Ravenala madagascariensis*	220	2	5	RETAIN	NA	NA	
3508	T1232	811953.456	819466.539	旅人蕉	*Ravenala madagascariensis*	200	2	5	RETAIN	NA	NA	
3508	T1233	811953.809	819465.779	旅人蕉	*Ravenala madagascariensis*	190	2	4	RETAIN	NA	NA	
3508	T1234	811952.497	819464.64	旅人蕉	*Ravenala madagascariensis*	200	2	5	RETAIN	NA	NA	
3508	T1235	811951.646	819464.563	旅人蕉	*Ravenala madagascariensis*	200	2	5	RETAIN	NA	NA	
3508	T1335	811947.14	819456.731	苦楝	*Melia azedarach*	150	5	7	RETAIN	NA	NA	
3508	T1242	811951.379	819463.411	旅人蕉	*Ravenala madagascariensis*	220	2	5	RETAIN	NA	NA	
3508	T1243	811950.501	819463.08	旅人蕉	*Ravenala madagascariensis*	230	2	4	RETAIN	NA	NA	
3508	T1381A	811871.959	819347.037	紅花夾竹桃	*Nerium oleander*	160	4	8	RETAIN	NA	NA	
3508	T1382A	811872.417	819347.825	紅花夾竹桃	*Nerium oleander*	95	4	8	RETAIN	NA	NA	
3508	T1384	811485.55	820119.16	黃槿	*Hibiscus tiliaceus*	150	1	1	RETAIN	NA	NA	
3508	T1384A	811873.813	819349.865	紅花夾竹桃	*Nerium oleander*	110	4	8	RETAIN	NA	NA	
3508	T1385A	811875.347	819351.786	紅花夾竹桃	*Nerium oleander*	140	4	8	RETAIN	NA	NA	
3508	T1386A	811875.808	819352.495	紅花夾竹桃	*Nerium oleander*	110	3	7	RETAIN	NA	NA	
3508	T1387A	811876.93	819353.043	紅花夾竹桃	*Nerium oleander*	120	3	7	RETAIN	NA	NA	
3508	T1388A	811876.582	819353.785	紅花夾竹桃	*Nerium oleander*	135	3	7	RETAIN	NA	NA	
3508	T1389	811489.72	820124.5	大葉相思	*Acacia mangium*	230	4	7	RETAIN	NA	NA	
3508	T1389A	811877.166	819354.413	紅花夾竹桃	*Nerium oleander*	130	4	8	RETAIN	NA	NA	
3508	T1390A	811877.969	819355.713	紅花夾竹桃	*Nerium oleander*	155	4	8	RETAIN	NA	NA	
3508	T1391A	811878.57	819356.315	紅花夾竹桃	*Nerium oleander*	160	4	8	RETAIN	NA	NA	
3508	T1392A	811878.787	819357.144	紅花夾竹桃	*Nerium oleander*	160	4	8	RETAIN	NA	NA	
3508	T1485A	811948.306	819398.649	旅人蕉	*Ravenala madagascariensis*	290	3	5	RETAIN	NA	NA	
3508	T1486	811958.015	819391.869	旅人蕉	*Ravenala madagascariensis*	285	3	5	RETAIN	NA	NA	
3508	T1487	811959.266	819392.679	旅人蕉	*Ravenala madagascariensis*	270	3	5	RETAIN	NA	NA	
3508	T1488	811960.148	819390.381	旅人蕉	*Ravenala madagascariensis*	185	3	5	RETAIN	NA	NA	
3508	T1489	811960.66	819389.932	旅人蕉	*Ravenala madagascariensis*	205	3	5	RETAIN	NA	NA	
3508	T1490	811963.219	819389.753	旅人蕉	*Ravenala madagascariensis*	250	3	5	RETAIN	NA	NA	
3508	T2906	811459.93	820075.367	台灣相思	*Acacia confusa*	180	3	8	RETAIN	NA	NA	
3508	T3038	811627.673	819443.421	黃槿	*Hibiscus tiliaceus*	140	5	5	FELL	NA	NA	
3508	T3038A	811623.973	819443.742	耳果相思	*Acacia auriculiformis*	100	2	8	FELL	NA	NA	
3508	T3038B	811626.242	819440.901	耳果相思	*Acacia auriculiformis*	130	4	8	FELL	NA	NA	
3508	T3039	811631.266	819438.686	黃槿	*Hibiscus tiliaceus*	150	4	5	FELL	NA	NA	
3508	T3046	811640.969	819395.303	王棕	*Roystonea regia*	225	2	6	TRANSPLANT	NA	NA	
3508	T3047	811642.989	819389.785	王棕	*Roystonea regia*	190	2	6	TRANSPLANT	NA	NA	
3508	T3048	811644.918	819384.088	王棕	*Roystonea regia*	215	2	6	TRANSPLANT	NA	NA	
3508	T3049	811645.891	819381.117	王棕	*Roystonea regia*	225	2	5	TRANSPLANT	NA	NA	
3508	T3050	811646.859	819378.305	王棕	*Roystonea regia*	225	3	6	TRANSPLANT	NA	NA	
3508	T3051	811647.903	819375.532	王棕	*Roystonea regia*	240	2	6	TRANSPLANT	NA	NA	
3508	T3052	811648.734	819372.619	王棕	*Roystonea regia*	250	2	7	TRANSPLANT	NA	NA	

Contracts	Tree ID	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
						DBH (mm)	Crown Spread (m)	Height (m)				
3508	T3053	811649.705	819369.908	王棕	*Roystonea regia*	205	2	6	TRANSPLANT	NA	NA	
3508	T3054	811650.614	819366.797	王棕	*Roystonea regia*	180	2	7	TRANSPLANT	NA	NA	
3508	T3055	811651.805	819364.094	王棕	*Roystonea regia*	250	2	7	TRANSPLANT	NA	NA	
3508	T3056	811672.481	819340.2	鐵刀木	*Senna siamea*	165	6	9	RETAIN	NA	NA	
3508	T3058	811672.122	819335.454	鐵刀木	*Senna siamea*	130	4	9	RETAIN	NA	NA	
3508	T3059	811668.864	819333.681	鐵刀木	*Senna siamea*	180	6	9	RETAIN	NA	NA	
3508	T3063	811673.151	819325.262	椰子	*Cocos nucifera*	250	4	8	RETAIN	NA	NA	
3508	T3071	811683.438	819357.281	楝	*Melia azedarach*	215	6	10	RETAIN	NA	NA	
3508	T3072	811688.035	819359.502	銀合歡	*Leucaena leucocephala*	127	4	11	RETAIN	NA	NA	
3508	T3077	811681.578	819368.778	銀合歡	*Leucaena leucocephala*	115	4	12	RETAIN	NA	NA	
3508	T3078	811684.828	819371.903	鐵刀木	*Senna siamea*	155	6	10	RETAIN	NA	NA	
3508	T3086	811679.779	819378.26	鐵刀木	*Senna siamea*	145	3	11	RETAIN	NA	NA	
3508	T3087	811679.025	819379.406	銀合歡	*Leucaena leucocephala*	95	2	8	RETAIN	NA	NA	
3508	T3088	811677.433	819380.142	銀合歡	*Leucaena leucocephala*	125	3	12	RETAIN	NA	NA	
3508	T3092	811680.218	819381.979	鐵刀木	*Senna siamea*	100	2	10	RETAIN	NA	NA	
3508	T3095	811677	819382.504	鐵刀木	*Senna siamea*	115	3	8	RETAIN	NA	NA	
3508	T3096	811676.868	819384.848	銀合歡	*Leucaena leucocephala*	105	2	12	RETAIN	NA	NA	
3508	T3097	811677.359	819385.563	銀合歡	*Leucaena leucocephala*	140	4	11	RETAIN	NA	NA	
3508	T3098	811677.039	819385.685	鐵刀木	*Senna siamea*	150	3	12	RETAIN	NA	NA	
3508	T3099	811675.495	819385.743	銀合歡	*Leucaena leucocephala*	155	5	12	RETAIN	NA	NA	
3508	T3100	811674.909	819385.257	銀合歡	*Leucaena leucocephala*	200	5	11	RETAIN	NA	NA	
3508	T3101	811676.369	819386.669	銀合歡	*Leucaena leucocephala*	130	6	11	RETAIN	NA	NA	
3508	T3102	811684.955	819383.808	宮粉羊蹄甲	*Bauhinia variegata*	160	6	10	FELL	NA	NA	
3508	T3103	811685.995	819383.816	宮粉羊蹄甲	*Bauhinia variegata*	100	6	8	FELL	NA	NA	
3508	T3104	811688.003	819384.188	宮粉羊蹄甲	*Bauhinia variegata*	100	4	7	FELL	NA	NA	
3508	T3105	811689.389	819386.069	楝	*Melia azedarach*	190	6	8	FELL	NA	NA	
3508	T3106	811690.401	819385.346	黃槿	*Hibiscus tiliaceus*	195	5	7	FELL	NA	NA	
3508	T3107	811691.349	819384.265	銀合歡	*Leucaena leucocephala*	210	8	12	FELL	NA	NA	
3508	T3110	811694.649	819381.586	大葉相思	*Acacia mangium*	160	3	7	FELL	NA	NA	
3508	T3111	811695.983	819379.749	黃槿	*Hibiscus tiliaceus*	165	4	6	FELL	NA	NA	
3508	T3113	811692.051	819378.333	土蜜樹	*Bridelia tomentosa*	115	4	11	FELL	NA	NA	
3508	T3114	811695.144	819375.722	耳果相思	*Acacia auriculiformis*	140	4	7	FELL	NA	NA	
3508	T3115	811694.071	819375.126	台灣相思	*Acacia confusa*	110	3	10	FELL	NA	NA	
3508	T3116	811694.981	819373.865	耳果相思	*Acacia auriculiformis*	195	6	11	FELL	NA	NA	
3508	T3117	811695.56	819375.296	楝	*Melia azedarach*	140	3	10	FELL	NA	NA	
3508	T3118	811701.285	819374.388	黃槿	*Hibiscus tiliaceus*	275	10	10	FELL	NA	NA	
3508	T3119	811703.535	819371.655	耳果相思	*Acacia auriculiformis*	150	3	8	FELL	NA	NA	
3508	T3120	811704.365	819371.493	黃槿	*Hibiscus tiliaceus*	170	5	7	FELL	NA	NA	
3508	T3123	811693.008	819375.143	台灣相思	*Acacia confusa*	105	3	10	FELL	NA	NA	
3508	T3125	811687.507	819375.844	楝	*Melia azedarach*	150	6	11	FELL	NA	NA	
3508	T3126	811693.996	819362.42	台灣相思	*Acacia confusa*	155	6	12	RETAIN	NA	NA	
3508	T3127	811699.684	819365.162	耳果相思	*Acacia auriculiformis*	155	6	10	FELL	NA	NA	
3508	T3128	811700.949	819363.14	宮粉羊蹄甲	*Bauhinia variegata*	110	6	8	FELL	NA	NA	
3508	T3131	811709.744	819364.448	宮粉羊蹄甲	*Bauhinia variegata*	105	4	8	FELL	NA	NA	
3508	T3134	811702.47	819367.627	楝	*Melia azedarach*	155	2	9	FELL	NA	NA	

Contracts	Tree ID	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in LVP (Jan 2021)	Status as of end 2020	Status as of end 2021	Remark
						DBH (mm)	Crown Spread (m)	Height (m)				
3508	T3135	811705.019	819358.753	台灣相思	*Acacia confusa*	155	4	10	FELL	NA	NA	
3508	T3139	811708.697	819347.185	耳果相思	*Acacia auriculiformis*	145	4	9	FELL	NA	NA	
3508	T3140	811709.652	819346.057	耳果相思	*Acacia auriculiformis*	190	4	9	FELL	NA	NA	
3508	T3141	811709.679	819346.706	耳果相思	*Acacia auriculiformis*	170	4	9	FELL	NA	NA	
3508	T3142	811713.061	819347.842	耳果相思	*Acacia auriculiformis*	160	6	9	FELL	NA	NA	
3508	T3143	811710.173	819342.518	銀合歡	*Leucaena leucocephala*	155	5	9	FELL	NA	NA	
3508	T3144	811718.086	819346.121	垂葉榕	*Ficus benjamina*	150	4	7	FELL	NA	NA	
3508	T3145	811717.295	819342.701	垂葉榕	*Ficus benjamina*	180	4	7	FELL	NA	NA	
3508	T3146	811716.764	819339.153	垂葉榕	*Ficus benjamina*	175	4	7	FELL	NA	NA	
3508	T3147	811716.339	819334.97	垂葉榕	*Ficus benjamina*	150	4	6	FELL	NA	NA	
3508	T3148	811716.607	819331.385	垂葉榕	*Ficus benjamina*	190	5	6	FELL	NA	NA	
3508	T3149	811716.525	819327.908	垂葉榕	*Ficus benjamina*	165	5	6	FELL	NA	NA	
3508	T3153	811714.424	819358.316	台灣相思	*Acacia confusa*	150	4	7	FELL	NA	NA	
3508	T3175	811718.623	819384.506	大葉相思	*Acacia mangium*	180	1	1	FELL	NA	NA	
3508	T3209	811700.122	819363.654	宮粉羊蹄甲	*Bauhinia variegata*	180	8	6	FELL	NA	NA	
3508	T3220	811703.234	819393.104	紅膠木	*Lophostemon confertus*	100	2	5	FELL	NA	NA	

(*): Not provided in LVP

NA for status : Not yet received by contractor in the reporting period

Provisional Tree Sub-Total	**Retain**	51	0	0
	Transplant	10	0	0
	Fell	42	0	0
	NA	0	103	103
Total (Existing works contract & provision tree list)	**Retain**	320	118	52
	Transplant	36	14	26
	To-be-felled	0	6	9
	Fell	2219	2115	2316
	NA	0	256	103