

Agreement No. HMWSD 1/2021 (EP) Post-Construction Monitoring of Chinese White Dolphin (Line-transect Vessel Surveys) for Tuen Mun - Chek Lap Kok Link in Northeast and Northwest Lantau Survey Area - Investigation

Fifth Monthly Environmental Monitoring & Audit (EM&A) Report

7 February 2022

Environmental Resources Management
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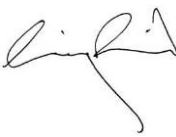
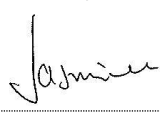
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**Environmental Resources
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*Fifth Monthly Environmental Monitoring & Audit
(EM&A) Report*

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|--|-------------------------------------|--|---------|----------|----------|
| Client: Highways Department | | Project No: 0611663 | | | |
| Summary: This document presents the Fifth Monthly EM&A Report for Post-Construction Monitoring of Chinese White Dolphin (Line-transect Vessel Surveys) for Tuen Mun – Chek Lap Kok Link in Northeast and Northwest Lantau Survey Area - Investigation | | Date: 7 February 2022 | | | |
| | | Approved by:  <i>Mr Craig Reid</i> Partner | | | |
| | | Certified by:  <i>Dr Jasmine Ng</i> ET Leader | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | 5 th Monthly EM&A Report | VAR | JN | CAR | 07/02/22 |
| Revision | Description | By | Checked | Approved | Date |

This report has been prepared by Environmental Resources Management the trading name of 'ERM Hong-Kong, Limited', with all reasonable skill, care and diligence within the terms of the Contract with the client, incorporating our General Terms and Conditions of Business and taking account of the resources devoted to it by agreement with the client.

We disclaim any responsibility to the client and others in respect of any matters outside the scope of the above.

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7 February 2022

By Fax (3691 2899) and By Post

AECOM Asia Co. Ltd.
Supervising Officer Representative's Office
No.8 Mong Fat Street, Tuen Mun, New Territories, Hong Kong

Attention: Mr. K P Wong

Dear Mr. Wong,

**Re: Agreement No. CE 48/2011 (EP)
Environmental Project Office for the
HZMB Hong Kong Link Road, HZMB Hong Kong Boundary Crossing Facilities, and
Tuen Mun-Chek Lap Kok Link – Investigation**

**Agreement No. HMWSD 1/2021 (EP)
Post-Construction Monitoring of Chinese White Dolphin (Line-transect Vessel
Surveys) for Tuen Mun – Chek Lap Kok Link in Northeast and Northwest Lantau
Survey Area – Investigation
5th Monthly EM&A Report for January 2022 (EP-354/2009/D)**

Reference is made to the Monthly EM&A Report for January 2022 (ET's ref.: "0611663_5th Monthly EM&A_20220207.doc") certified by the ET Leader and provided to us via e-mail on 7 February 2022.

Please be informed that we have no adverse comments on the captioned Report. We write to verify the captioned submission in accordance with Condition 4.4 of EP-354/2009/D.

Thank you for your attention. Please do not hesitate to contact the undersigned or the ENPO Leader Mr. Y. H. Hui should you have any queries.

Yours sincerely,



Brian Tam
Independent Environmental Checker
Tuen Mun – Chek Lap Kok Link

c.c.

| | | |
|-----|----------------|---------------------|
| HyD | Ms. Sally Choi | (By Fax: 3188 6614) |
| HyD | Ms. Maggie Lai | (By Fax: 3188 6614) |
| ERM | Dr. Jasmine Ng | (By Fax: 2723 5660) |

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EXECUTIVE SUMMARY

Under Agreement No. HMWSD 1/2021 (EP), ERM-Hong Kong, Limited (ERM) has been appointed as the Environmental Team (ET) by the Highways Department (HyD) to undertake the implementation of post-construction monitoring for the Chinese White Dolphin (CWD) in accordance with Environmental Permit No. EP-354/2009/D for the Tuen Mun – Chek Lap Kok Link Project (TM-CLK Link Project). AECOM Asia Company Limited was appointed by HyD as the Supervising Officer while Ramboll Hong Kong Ltd. was employed by HyD as the Independent Environmental Checker (IEC) and Environmental Project Office (ENPO).

The post-construction monitoring for the CWD commenced on June 2020 and will be completed in May 2022.

This is the Fifth Monthly EM&A report presenting the monitoring works carried out during the period from 1 to 31 January 2022 for the Agreement No. HMWSD 1/2021 (EP) Post-Construction Monitoring of Chinese White Dolphin (Line-transect Vessel Surveys) for Tuen Mun – Chek Lap Kok Link in Northeast and Northwest Lantau Survey Area – Investigation (the “Contract”) in accordance with the Updated EM&A Manual of the TM-CLK Link Contract.

In order to fulfil the EP’s and EM&A Manual’s requirements for TM-CLKL Project, Agreement No. HMWSD 1/2021 (EP) took over the responsibility for implementation of operational phase dolphin monitoring from Contract No. HY/2012/08 from 1 September 2021 to 31 May 2022.

A summary of monitoring and audit activities conducted in the reporting period is listed below:

Operational Phase Dolphin Monitoring 2 sessions

Summary of Breaches of Action/Limit Levels

No Action and Limit Level exceedance was recorded.

Environmental Complaints, Non-compliance & Summons

No non-compliance with EIA recommendations, EP conditions and other requirements associated with the construction of this Contract was recorded in this reporting period.

No environmental complaint was received in this reporting period.

No environmental summons was received in this reporting period.

Reporting Change

There was no reporting change in the reporting period.

1.1

BACKGROUND

According to the findings of the Northwest New Territories (NWNT) Traffic and Infrastructure Review conducted by the Transport Department, Tuen Mun Road, Ting Kau Bridge, Lantau Link and North Lantau Highway would be operating beyond capacity after 2016. This forecast has been based on the estimated increase in cross boundary traffic, developments in the Northwest New Territories (NWNT), and possible developments in North Lantau, including the Airport developments, the Lantau Logistics Park (LLP) and the Hong Kong – Zhuhai – Macao Bridge (HZMB). In order to cope with the anticipated traffic demand, two new road sections between NWNT and North Lantau – Tuen Mun – Chek Lap Kok Link (TM-CLKL) and Tuen Mun Western Bypass (TMWB) are proposed.

An Environmental Impact Assessment (EIA) of TM-CLKL (the Project) was prepared in accordance with the EIA Study Brief (No. ESB-175/2007) and the *Technical Memorandum of the Environmental Impact Assessment Process (EIAO-TM)*. The EIA Report was submitted under the Environmental Impact Assessment Ordinance (EIAO) in August 2009. Subsequent to the approval of the EIA Report (EIAO Register Number AEIAR-146/2009), an Environmental Permit (EP-354/2009) for TM-CLKL was granted by the Director of Environmental Protection (DEP) on 4 November 2009, and EP variation (VEP) (EP-354/2009/A) was issued on 8 December 2010. Subsequent applications for variation of environmental permits (VEPs), *EP-354/2009/B*, *EP-354/2009/C* and *EP-354/2009/D*, were granted on 28 January 2014, 10 December 2014 and 13 March 2015, respectively.

Under *Agreement No. HMWSD 1/2021 (EP)*, ERM-Hong Kong, Limited (ERM) has been appointed as the Environmental Team (ET) by the Highways Department (HyD) to undertake the implementation of post-construction monitoring for the Chinese White Dolphin (CWD) in accordance with *Environmental Permit No. EP-354/2009/D* for the Tuen Mun – Chek Lap Kok Link Project (TM-CLK Link Project). AECOM Asia Company Limited was appointed by HyD as the Supervising Officer while Ramboll Hong Kong Ltd. was employed by HyD as the Independent Environmental Checker (IEC) and Environmental Project Office (ENPO).

The post-construction monitoring for the CWD commenced on June 2020 and will be completed in May 2022.

In order to fulfil the EP's and EM&A Manual's requirements for TM-CLKL Project, *Agreement No. HMWSD 1/2021 (EP)* took over the responsibility for implementation of operational phase dolphin monitoring from Contract No. HY/2012/08 from 1 September 2021 to 31 May 2022.

1.2 SCOPE OF REPORT

This is the Fifth Monthly EM&A Report under the *Agreement No. HMWSD 1/2021 (EP) Post-Construction Monitoring of Chinese White Dolphin (Line-transect Vessel Surveys) for Tuen Mun – Chek Lap Kok Link in Northeast and Northwest Lantau Survey Area – Investigation*. This report presents a summary of the environmental monitoring and audit works in January 2022.

1.3 ORGANIZATION STRUCTURE

The organization structure of the Contract is shown in *Appendix A*. The key personnel contact names and contact details are summarized in *Table 1.1* below.

Table 1.1 *Contact Information of Key Personnel*

| Party | Position | Name | Telephone | Fax |
|--|--------------------------|----------------|------------------|------------|
| Highways Department | Engr 24/SD | Ken T.M. Cheng | 2762 4062 | 3188 6614 |
| SOR (AECOM Asia Company Limited) | Senior Resident Engineer | K P Wong | 2293 6403 | 2293 6300 |
| ENPO / IEC (Ramboll Hong Kong Ltd.) | ENPO Leader | Y.H. Hui | 3465 2850 | 3465 2899 |
| | IEC | Brian Tam | 9700 6767 | 3465 2899 |
| ET (ERM-HK) | ET Leader | Jasmine Ng | 2271 3311 | 2723 5660 |

The EM&A programme required environmental monitoring for marine ecology. The EM&A requirements and related findings for the component are summarized in the following sections

2.1 DOLPHIN MONITORING

2.1.1 Monitoring Requirements

Operational Phase dolphin monitoring is required to be conducted by a qualified dolphin specialist team to evaluate whether there have been any effects on the dolphins. According to the EM&A Manual, Operational Phase Monitoring on dolphin monitoring shall be undertaken based upon the frequency of forty-eight, one-day survey events at a frequency of 2 per month over a period of 24 months following cessation of the construction.

In order to fulfil the EM&A requirements and make good use of available resources, *Agreement No. HMWSD 1/2021 (EP)* has taken over the responsibility for implementation of dolphin monitoring from *HZMB HKLR Contract No. HY/2011/03* since October 2019 and *Contract No. HY/2012/08* since September 2021.

2.1.2 Monitoring Equipment

Table 2.1 summarises the equipment used for the operational phase dolphin monitoring.

Table 2.1 Dolphin Monitoring Equipment

| Equipment | Model |
|---------------------------------|---|
| Global Positioning System (GPS) | Garmin 18X-PC Geo One Phottix |
| Camera | Nikon D90 300m 2.8D fixed focus Nikon D90 20-300m zoom lens |
| Laser Binocular | Infinitor LRF 1000 |
| Marine Binocular | Bushell 7 x 50 marine binocular with compass and reticules |
| Vessel for Monitoring | 65 foot single engine motor vessel with viewing platform 4.5m above water level |

2.1.3 Monitoring Parameter, Frequencies & Duration

Dolphin monitoring should cover all transect lines in Northeast Lantau (NEL) and the Northwest Lantau (NWL) survey areas twice per month throughout the entire construction period and operational phase. The monitoring data should be compatible with, and should be made available for, long-term

studies of small cetacean ecology in Hong Kong. In order to provide a suitable long-term dataset for comparison, identical methodology and line transects employed in baseline dolphin monitoring was followed in the impact dolphin monitoring and operational phase dolphin monitoring.

2.1.4 *Monitoring Location*

The operational phase dolphin monitoring was carried out in the NEL and NWL along the line transect as depicted in *Figure 2.1*. The co-ordinates of all transect lines are shown in *Table 2.2* below.

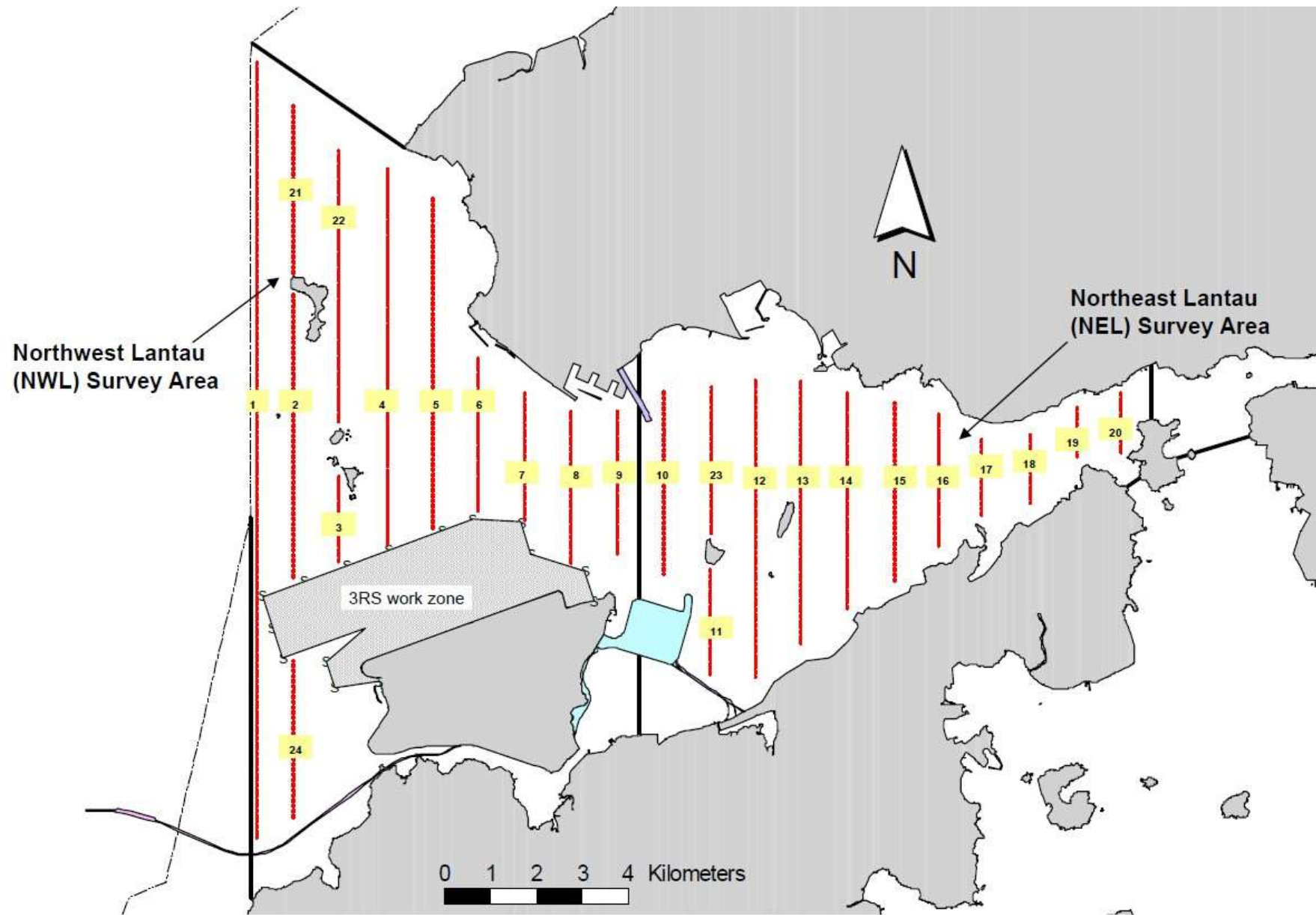


Figure 2.1

Layout of Transect Lines of Dolphin Monitoring in Northwest and Northeast Lantau Areas

Table 2.2 Operational Phase Dolphin Monitoring Line Transect Co-ordinates

| Line No. | | Easting | Northing | Line No. | | Easting | Northing |
|----------|-------------|---------|----------|----------|-------------|---------|----------|
| 1 | Start Point | 804671 | 815456 | 13 | Start Point | 816506 | 819480 |
| 1 | End Point | 804671 | 831404 | 13 | End Point | 816506 | 824859 |
| 2 | Start Point | 805476 | 820800* | 14 | Start Point | 817537 | 820220 |
| 2 | End Point | 805476 | 826654 | 14 | End Point | 817537 | 824613 |
| 3 | Start Point | 806464 | 821150* | 15 | Start Point | 818568 | 820735 |
| 3 | End Point | 806464 | 822911 | 15 | End Point | 818568 | 824433 |
| 4 | Start Point | 807518 | 821500* | 16 | Start Point | 819532 | 821420 |
| 4 | End Point | 807518 | 829230 | 16 | End Point | 819532 | 824209 |
| 5 | Start Point | 808504 | 821850* | 17 | Start Point | 820451 | 822125 |
| 5 | End Point | 808504 | 828602 | 17 | End Point | 820451 | 823671 |
| 6 | Start Point | 809490 | 822150* | 18 | Start Point | 821504 | 822371 |
| 6 | End Point | 809490 | 825352 | 18 | End Point | 821504 | 823761 |
| 7 | Start Point | 810499 | 822000* | 19 | Start Point | 822513 | 823268 |
| 7 | End Point | 810499 | 824613 | 19 | End Point | 822513 | 824321 |
| 8 | Start Point | 811508 | 821123 | 20 | Start Point | 823477 | 823402 |
| 8 | End Point | 811508 | 824254 | 20 | End Point | 823477 | 824613 |
| 9 | Start Point | 812516 | 821303 | 21 | Start Point | 805476 | 827081 |
| 9 | End Point | 812516 | 824254 | 21 | End Point | 805476 | 830562 |
| 10 | Start Point | 813525 | 821176 | 22 | Start Point | 806464 | 824033 |
| 10 | End Point | 813525 | 824657 | 22 | End Point | 806464 | 829598 |
| 11 | Start Point | 814556 | 818853 | 23 | Start Point | 814559 | 821739 |
| 11 | End Point | 814556 | 820992 | 23 | End Point | 814559 | 824768 |
| 12 | Start Point | 815542 | 818807 | 24* | Start Point | 805476* | 815900* |
| 12 | End Point | 815542 | 824882 | 24* | End Point | 805476* | 819100* |

Remarks: The coordinates of several starting and ending points have been revised due to the presence of a work zone to the north of the airport platform with intense construction activities in association with the construction of the third runway expansion for the Hong Kong International Airport. Co-ordinates in red and marked with asterisk are revised co-ordinates of transect line.

2.1.5 *Monitoring Schedule for the Reporting Month*

Dolphin monitoring was carried out on 3, 4, 21 and 25 January 2022. The dolphin monitoring schedule for the reporting month is shown in *Appendix B*.

2.1.6 *Results & Observations*

A total of 283.06 km of survey effort was collected, with 100% of the total survey effort being conducted under favourable weather conditions (i.e. Beaufort Sea State 3 or below with good visibility) in January 2022. Among the two areas, 111.50 km and 171.56 km of survey effort were collected from NEL and NWL survey areas, respectively. The total survey effort conducted on primary and secondary lines were 193.07 km and 89.99 km respectively. The survey efforts are summarized in *Appendix C*.

Five groups of 10 Chinese White Dolphins were sighted in the two sets of surveys in January 2022 ⁽¹⁾. The dolphin sightings were made in NWL, while none was sighted in NEL. The dolphin sightings were made during on-effort search and three of them were made on primary lines. The dolphins were not associated with any operating fishing vessel.

No dolphin sighting was made in the proximity of the TM-CLKL alignment. The distribution of dolphin sightings during the reporting month is shown in Figure 2.2.

Encounter rates of Chinese White Dolphins are deduced from the survey effort and on-effort sighting data made under favourable conditions (Beaufort 3 or below) in January 2022 with the results present in *Tables 2.3* and *2.4*.

Table 2.3 *Individual Survey Event Encounter Rates*

| | | Encounter rate (STG) (no. of on-effort dolphin sightings per 100 km of survey effort) | Encounter rate (ANI) (no. of dolphins from all on-effort sightings per 100 km of survey effort) |
|-----|----------------------------|--|--|
| | | Primary Lines Only | Primary Lines Only |
| NEL | Set 1: January 3rd / 4th | 0.0 | 0.0 |
| | Set 2: January 21st / 25th | 0.0 | 0.0 |
| NWL | Set 1: January 3rd / 4th | 3.3 | 6.6 |
| | Set 2: January 21st / 25th | 1.6 | 1.6 |

Note: Dolphin Encounter Rates are deduced from the Two Sets of Surveys (Two Surveys in Each Set) in January 2022 in Northeast (NEL) and Northwest Lantau (NWL)

Table 2.4 *Monthly Average Encounter Rates*

| | Encounter rate (STG) (no. of on-effort dolphin sightings per 100 km of survey effort) | | Encounter rate (ANI) (no. of dolphins from all on-effort sightings per 100 km of survey effort) | |
|--|--|--------------|--|--------------|
| | Primary | Both Primary | Primary | Both Primary |
| | | | | |

(1) Nine of the ten dolphin sighted during surveys in January 2022 were identified as known individuals. Photo records are presented in *Appendix C*.

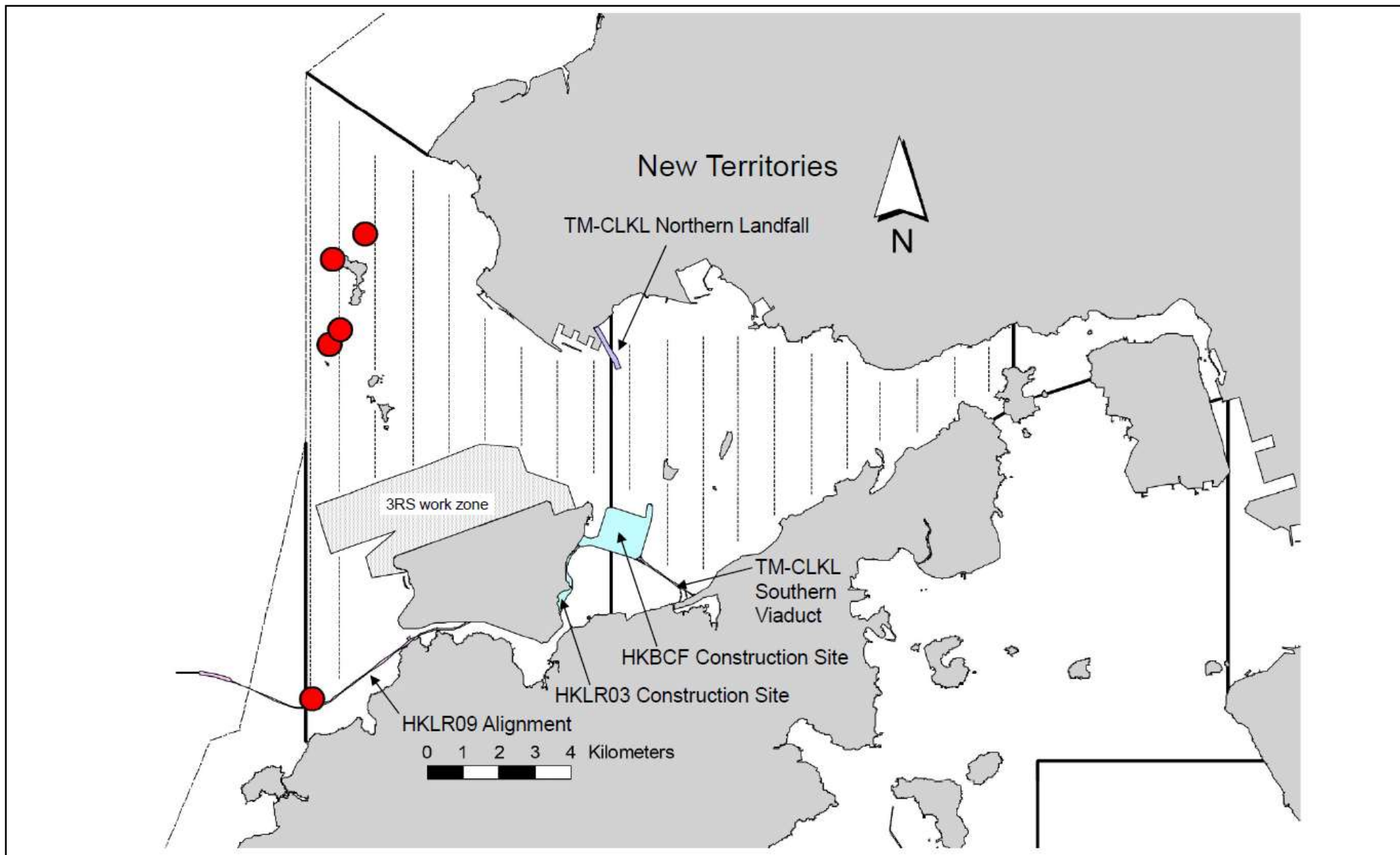


Figure 2.2

Agreement No. HMWSD 1/2021 (EP) Post-Construction Monitoring of Chinese White Dolphin
 (Line-transect Vessel Surveys) for Tuen Mun – Chek Lap Kok Link in Northeast
 and Northwest Lantau Survey Area – Investigation
 The distribution of dolphin sightings during the reporting period

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| | Lines Only | and Secondary Lines | Lines Only | and Secondary Lines |
|-------------------------|-------------------|----------------------------|-------------------|----------------------------|
| Northeast Lantau | 0.0 | 0.0 | 0.0 | 0.0 |
| Northwest Lantau | 2.4 | 2.9 | 4.1 | 5.8 |

Note: Overall dolphin encounter rates (sightings per 100 km of survey effort) from all four surveys are conducted in January 2022 on primary lines only as well as both primary lines and secondary lines in Northeast and Northwest Lantau.

2.2

ENVIRONMENTAL LICENSES AND PERMITS

The status of environmental licensing and permit is summarized in *Table 2.5* below.

Table 2.5 *Summary of Environmental Licensing and Permit Status*

| License/Permit | License or Permit No. | Date of Issue | Date of Expiry | License/Permit Holder | Remarks |
|----------------------|-----------------------|---------------|-------------------------|-----------------------|--|
| Environmental Permit | EP-354/2009/DF | 13 March 2015 | Throughout the Contract | HyD | Application for VEP on 3 March 2015 to supersede EP-354/2009/C |

Notes:

HyD = Highways Department

VEP = Variation of Environmental Permit

2.3 ***SUMMARY OF EXCEEDANCES OF THE ENVIRONMENTAL QUALITY PERFORMANCE LIMIT***

No Action and Limit Level exceedance of was recorded.

Cumulative statistics are provided in *Appendix D*.

2.4 ***SUMMARY OF COMPLAINTS, NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTIONS***

No environmental complaint was received in this reporting period.

No environmental summons was received in this reporting period.

Statistics on complaints, notifications of summons and successful prosecutions are summarized in *Appendix D*.

3 *FUTURE KEY ISSUES*

3.1 *MONITORING SCHEDULE FOR THE COMING MONTH*

The tentative schedule for environmental monitoring in February 2022 is provided in *Appendix B*.

4.1 CONCLUSIONS

This Fifth EM&A Report presents the findings of the monitoring works undertaken during the period from 1 to 31 January 2022, in accordance with the Updated EM&A Manual and the requirements of EP-354/2009/D.

Operational phase dolphin monitoring was carried out in this reporting month.

No Action and Limit Level exceedance was recorded.

Five groups of 10 Chinese White Dolphins were sighted in the two sets of surveys in January 2022. The dolphin sightings were made in NWL, while none was sighted in NEL. The dolphin sightings were made during on-effort search and three of them were made on primary lines. The dolphins were not associated with any operating fishing vessel.

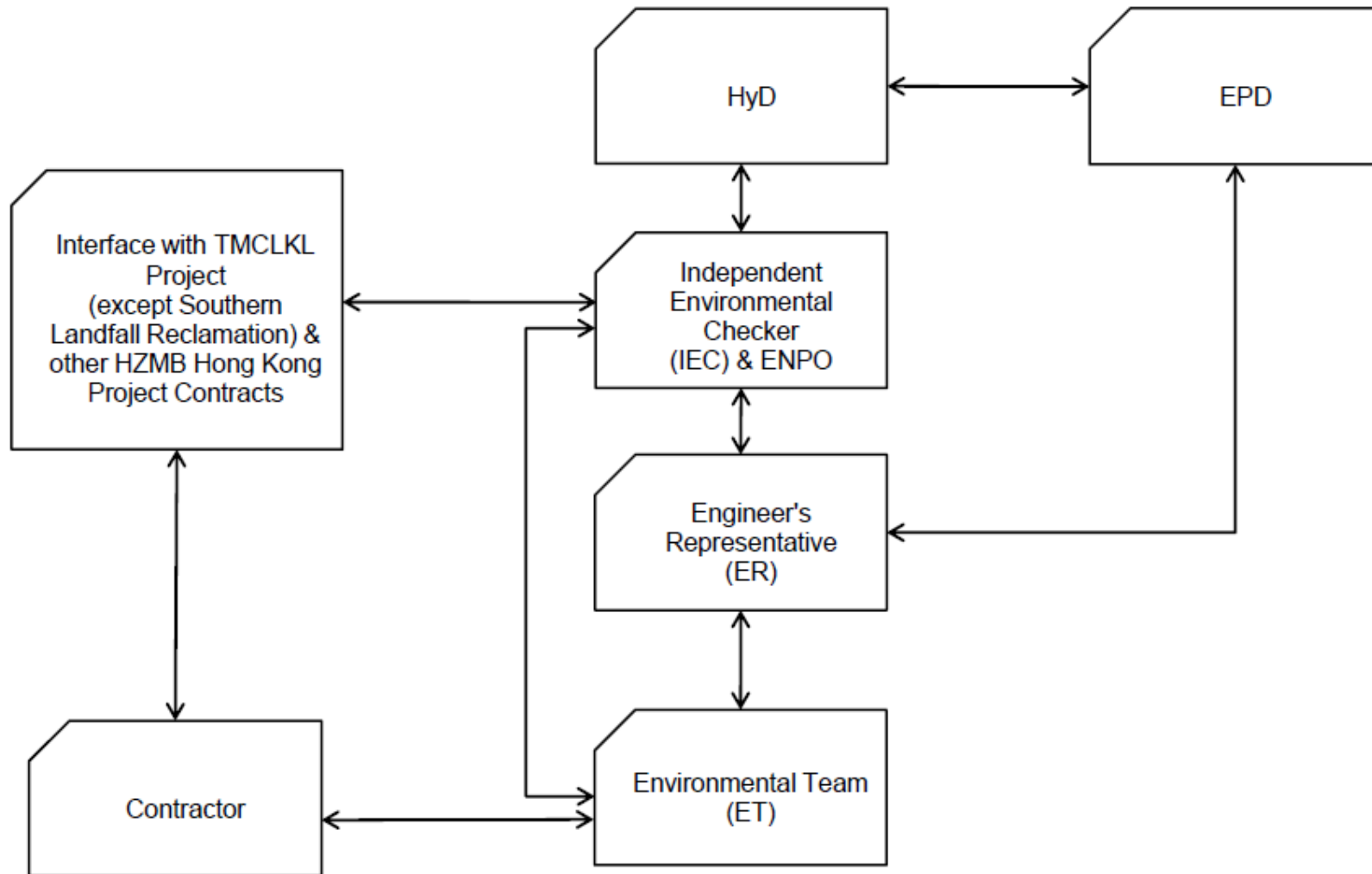
No environmental complaint was received in this reporting period.

No environmental summons was received in this reporting period.

In order to fulfil the EP's and EM&A Manual's requirements for TM-CLKL Project, *Agreement No. HMWSD 1/2021 (EP)* took over the responsibility for implementation of operational phase dolphin monitoring from *Contract No. HY/2012/08* from 1 September 2021 to 31 May 2022.

Appendix A

Project Organization for Environmental Works



↔ Line of Communication

Appendix B

EM&A Monitoring Schedules

**Agreement No. HMWSD 1/2021 (EP) Post-Construction Monitoring of Chinese White Dolphin (Line-transect Vessel Surveys) for Tuen Mun – Chek Lap Kok Link in Northeast and Northwest Lantau Survey Area – Investigation
Operational Phase Dolphin Monitoring Survey Monitoring Schedule - January 2022**

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------|---|---|-----------|----------|---|----------|
| | | | | | | 01-Jan |
| | | | | | | |
| 02-Jan | 03-Jan | 04-Jan | 05-Jan | 06-Jan | 07-Jan | 08-Jan |
| | Operational Phase Dolphin Monitoring | Operational Phase Dolphin Monitoring | | | | |
| 09-Jan | 10-Jan | 11-Jan | 12-Jan | 13-Jan | 14-Jan | 15-Jan |
| | | | | | | |
| 16-Jan | 17-Jan | 18-Jan | 19-Jan | 20-Jan | 21-Jan | 22-Jan |
| | | | | | Operational Phase Dolphin Monitoring | |
| 23-Jan | 24-Jan | 25-Jan | 26-Jan | 27-Jan | 28-Jan | 29-Jan |
| | | Operational Phase Dolphin Monitoring | | | | |
| 30-Jan | 31-Jan | | | | | |
| | | | | | | |

**Agreement No. HMWSD 1/2021 (EP) Post-Construction Monitoring of Chinese White Dolphin (Line-transect Vessel Surveys) for Tuen Mun – Chek Lap Kok Link in Northeast and Northwest Lantau Survey Area – Investigation
Tentative Operational Phase Dolphin Monitoring Survey Monitoring Schedule - February 2022**

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------|--------|---------|-----------|---|---|----------|
| | | 01-Feb | 02-Feb | 03-Feb | 04-Feb | 05-Feb |
| | | | | | | |
| 06-Feb | 07-Feb | 08-Feb | 09-Feb | 10-Feb | 11-Feb | 12-Feb |
| | | | | Operational Phase Dolphin Monitoring | Operational Phase Dolphin Monitoring | |
| 13-Feb | 14-Feb | 15-Feb | 16-Feb | 17-Feb | 18-Feb | 19-Feb |
| | | | | Operational Phase Dolphin Monitoring | | |
| 20-Feb | 21-Feb | 22-Feb | 23-Feb | 24-Feb | 25-Feb | 26-Feb |
| | | | | Operational Phase Dolphin Monitoring | | |
| 27-Feb | 28-Feb | | | | | |
| | | | | | | |

The schedule is subject to agreement from the EPD on the monitoring times. The schedule will be revised in view of adverse(safety,weather etc) conditions.

Appendix C

Operational Phase Dolphin Monitoring Survey

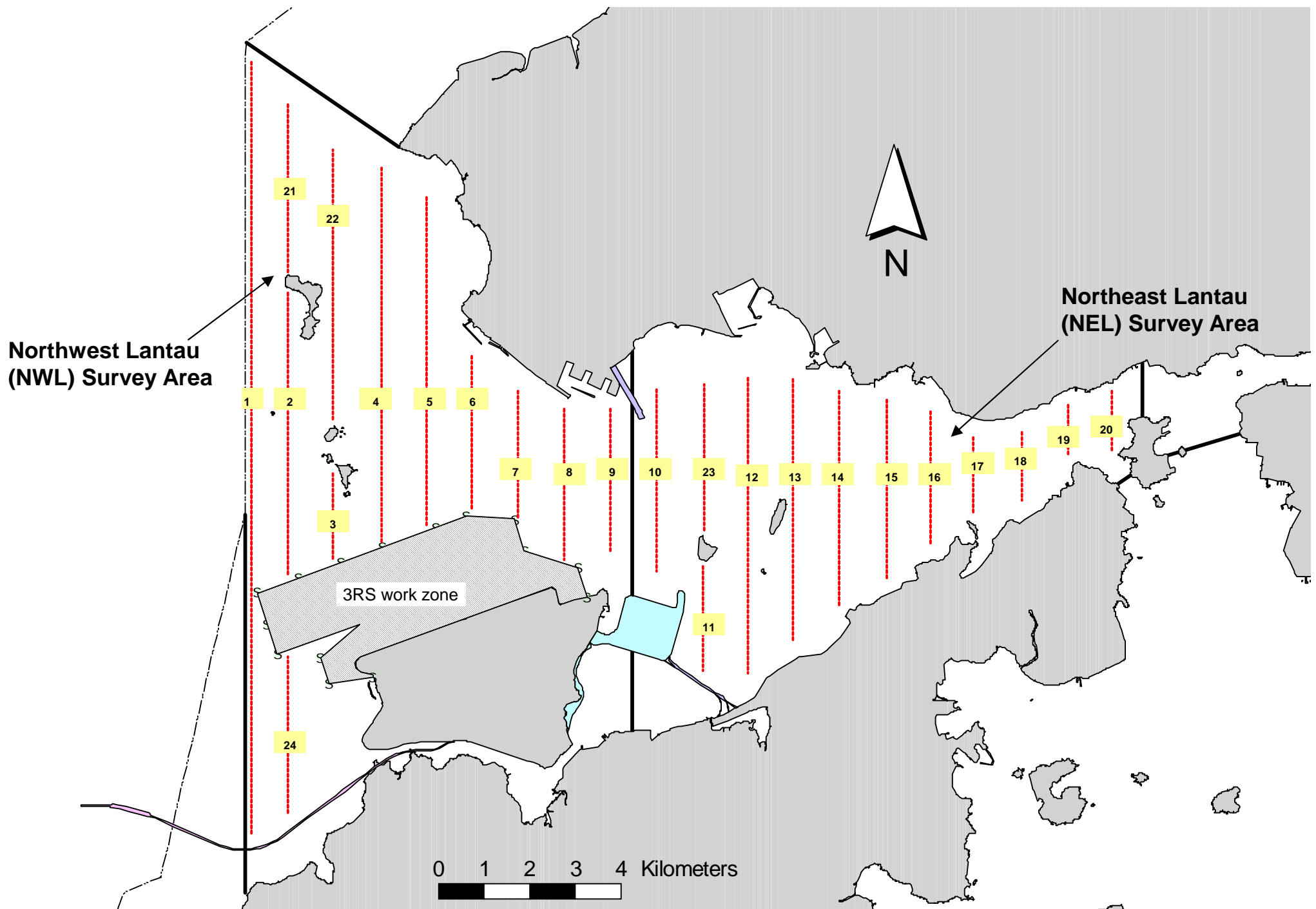


Figure 1. Transect Line Layout in Northwest and Northeast Lantau Survey Areas

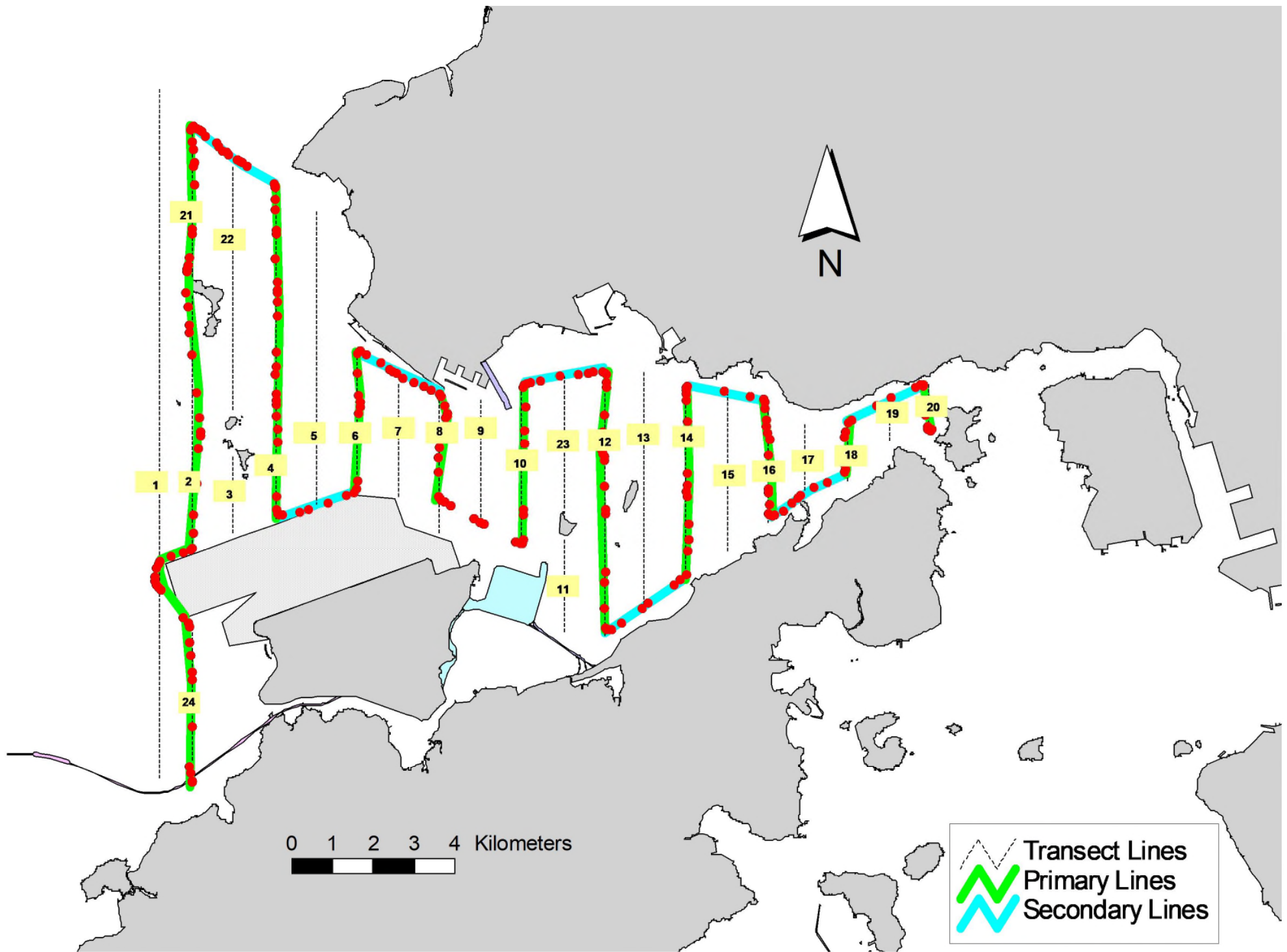


Figure 2. Survey Route on January 3rd, 2022

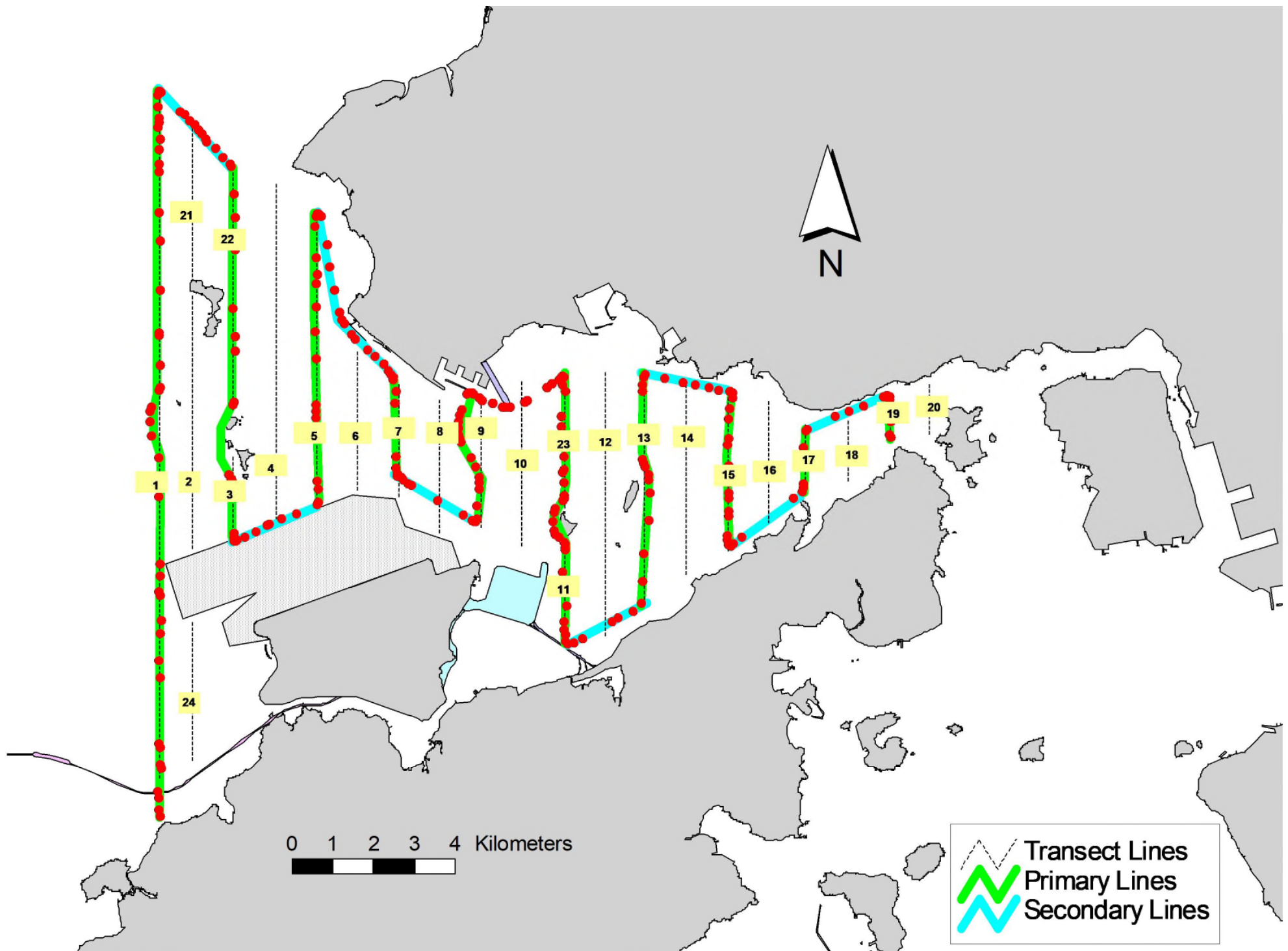


Figure 3. Survey Route on January 4th, 2022

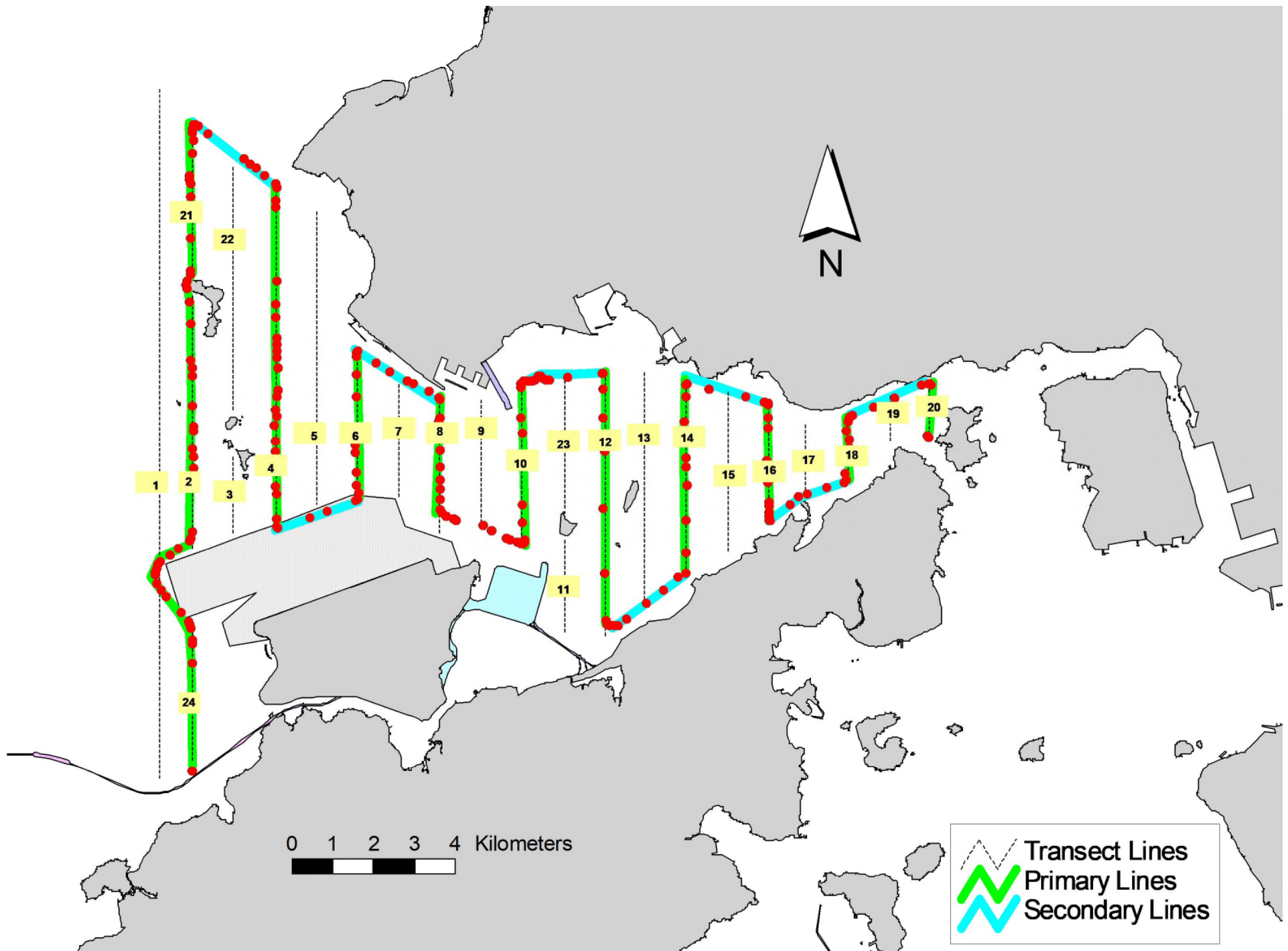


Figure 4. Survey Route on January 21st, 2022

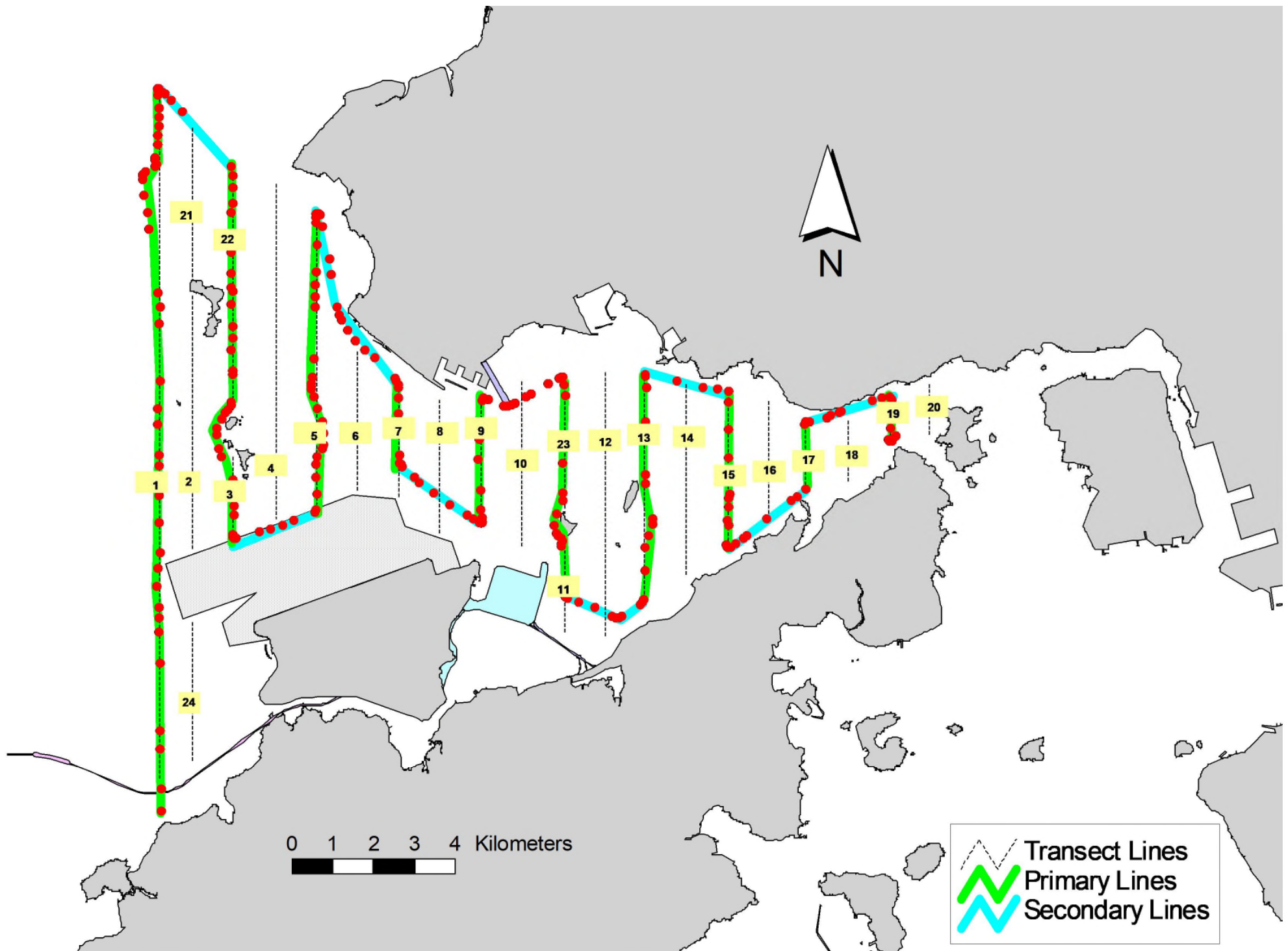


Figure 5. Survey Route on January 25th, 2022

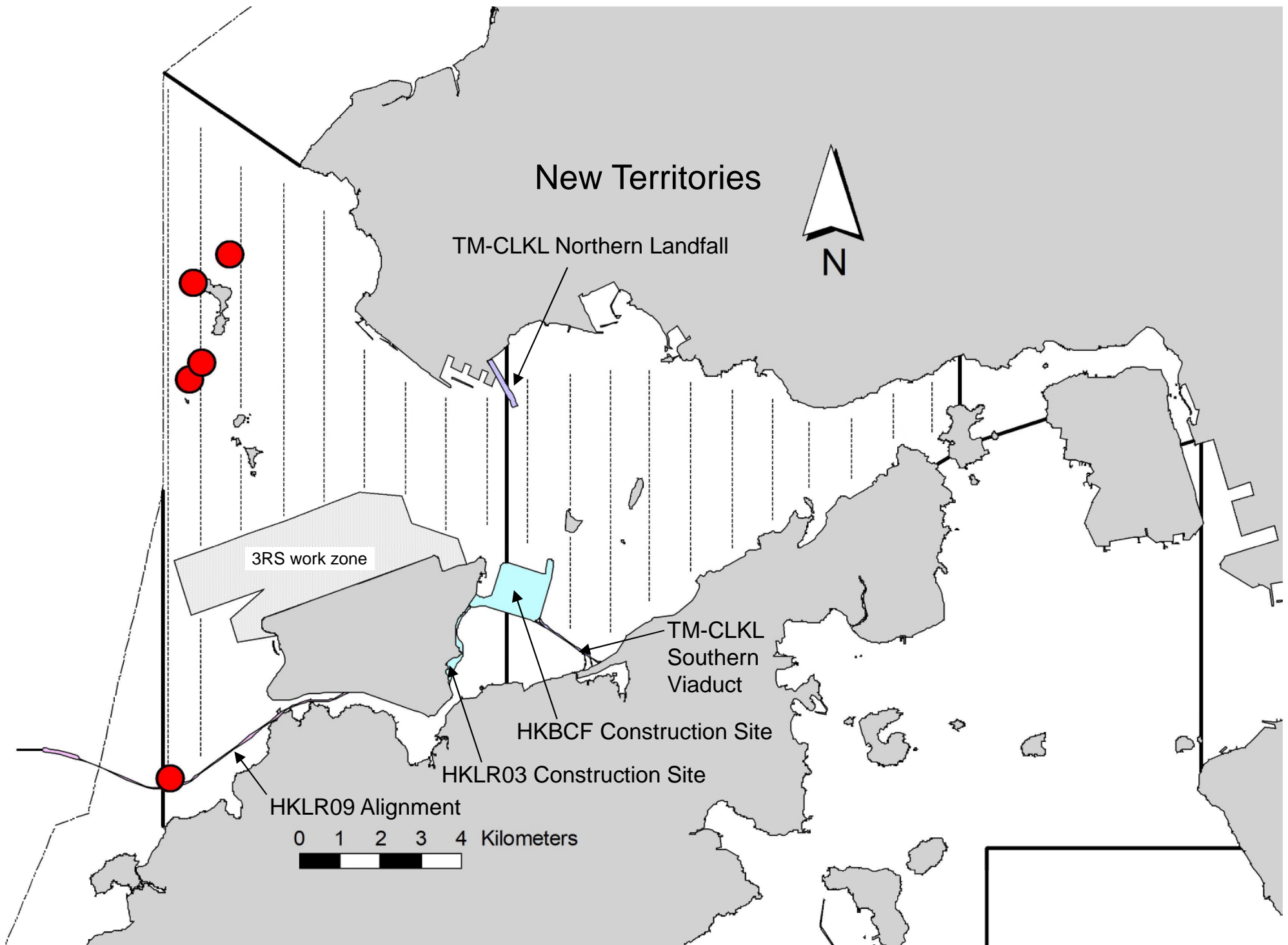


Figure 6. Distribution of Chinese White Dolphin Sightings during January 2022 Monitoring Surveys

Appendix I. TMCLKL Survey Effort Database (January 2022)

(Abbreviations: BEAU = Beaufort Sea State; P = Primary Line Effort; S = Secondary Line Effort)

| DATE | AREA | BEAU | EFFORT | SEASON | VESSEL | TYPE | P/S |
|-----------|-----------|------|--------|--------|---------------|--------|-----|
| 3-Jan-22 | NW LANTAU | 1 | 3.14 | WINTER | STANDARD36826 | TMCLKL | P |
| 3-Jan-22 | NW LANTAU | 2 | 21.72 | WINTER | STANDARD36826 | TMCLKL | P |
| 3-Jan-22 | NW LANTAU | 2 | 11.14 | WINTER | STANDARD36826 | TMCLKL | S |
| 3-Jan-22 | NE LANTAU | 2 | 14.45 | WINTER | STANDARD36826 | TMCLKL | P |
| 3-Jan-22 | NE LANTAU | 3 | 4.81 | WINTER | STANDARD36826 | TMCLKL | P |
| 3-Jan-22 | NE LANTAU | 2 | 10.34 | WINTER | STANDARD36826 | TMCLKL | S |
| 4-Jan-22 | NW LANTAU | 2 | 20.76 | WINTER | STANDARD36826 | TMCLKL | P |
| 4-Jan-22 | NW LANTAU | 3 | 14.76 | WINTER | STANDARD36826 | TMCLKL | P |
| 4-Jan-22 | NW LANTAU | 2 | 6.94 | WINTER | STANDARD36826 | TMCLKL | S |
| 4-Jan-22 | NW LANTAU | 3 | 6.70 | WINTER | STANDARD36826 | TMCLKL | S |
| 4-Jan-22 | NE LANTAU | 2 | 9.20 | WINTER | STANDARD36826 | TMCLKL | P |
| 4-Jan-22 | NE LANTAU | 3 | 7.30 | WINTER | STANDARD36826 | TMCLKL | P |
| 4-Jan-22 | NE LANTAU | 2 | 6.53 | WINTER | STANDARD36826 | TMCLKL | S |
| 4-Jan-22 | NE LANTAU | 3 | 3.47 | WINTER | STANDARD36826 | TMCLKL | S |
| 21-Jan-22 | NW LANTAU | 2 | 17.36 | WINTER | STANDARD36826 | TMCLKL | P |
| 21-Jan-22 | NW LANTAU | 3 | 9.05 | WINTER | STANDARD36826 | TMCLKL | P |
| 21-Jan-22 | NW LANTAU | 2 | 10.49 | WINTER | STANDARD36826 | TMCLKL | S |
| 21-Jan-22 | NE LANTAU | 2 | 14.56 | WINTER | STANDARD36826 | TMCLKL | P |
| 21-Jan-22 | NE LANTAU | 3 | 4.79 | WINTER | STANDARD36826 | TMCLKL | P |
| 21-Jan-22 | NE LANTAU | 2 | 10.75 | WINTER | STANDARD36826 | TMCLKL | S |
| 25-Jan-22 | NW LANTAU | 2 | 28.02 | WINTER | STANDARD36826 | TMCLKL | P |
| 25-Jan-22 | NW LANTAU | 3 | 7.68 | WINTER | STANDARD36826 | TMCLKL | P |
| 25-Jan-22 | NW LANTAU | 2 | 13.80 | WINTER | STANDARD36826 | TMCLKL | S |
| 25-Jan-22 | NE LANTAU | 1 | 6.55 | WINTER | STANDARD36826 | TMCLKL | P |
| 25-Jan-22 | NE LANTAU | 2 | 8.92 | WINTER | STANDARD36826 | TMCLKL | P |
| 25-Jan-22 | NE LANTAU | 1 | 5.59 | WINTER | STANDARD36826 | TMCLKL | S |
| 25-Jan-22 | NE LANTAU | 2 | 4.24 | WINTER | STANDARD36826 | TMCLKL | S |

Appendix II. TMCLKL Chinese White Dolphin Sighting Database (January 2022)

(Abbreviations: STG# = Sighting Number; HRD SZ = Dolphin Herd Size; BEAU = Beaufort Sea State; PSD = Perpendicular Distance; BOAT ASSOC. = Fishing Boat Association; P/S: Sighting Made on Primary/Secondary Lines)

| DATE | STG # | TIME | HRD SZ | AREA | BEAU | PSD | EFFORT | TYPE | NORTHING | EASTING | SEASON | BOAT ASSOC. | P/S |
|-----------|-------|------|--------|-----------|------|------|--------|--------|----------|---------|--------|-------------|-----|
| 3-Jan-22 | 1 | 1104 | 1 | NW LANTAU | 2 | 142 | ON | TMCLKL | 826896 | 805262 | WINTER | NONE | S |
| 3-Jan-22 | 2 | 1116 | 2 | NW LANTAU | 2 | 392 | ON | TMCLKL | 827559 | 806169 | WINTER | NONE | P |
| 4-Jan-22 | 1 | 1020 | 2 | NW LANTAU | 2 | 28 | ON | TMCLKL | 815381 | 804682 | WINTER | NONE | P |
| 4-Jan-22 | 2 | 1205 | 4 | NW LANTAU | 2 | 1394 | ON | TMCLKL | 824649 | 805165 | WINTER | NONE | S |
| 21-Jan-22 | 1 | 1048 | 1 | NW LANTAU | 3 | 99 | ON | TMCLKL | 825047 | 805464 | WINTER | NONE | P |

Appendix III. Individual dolphins identified during TMCLKL monitoring surveys in (January 2022)

| ID# | DATE | STG# | AREA |
|------------|-------------|-------------|-------------|
| NL37 | 04/01/22 | 2 | NW LANTAU |
| NL123 | 03/01/22 | 1 | NW LANTAU |
| | 04/01/22 | 2 | NW LANTAU |
| NL242 | 04/01/22 | 2 | NW LANTAU |
| NL259 | 21/01/22 | 1 | NW LANTAU |
| WL11 | 04/01/22 | 2 | NW LANTAU |
| WL79 | 03/01/22 | 2 | NW LANTAU |
| WL179 | 03/01/22 | 2 | NW LANTAU |
| WL294 | 04/01/22 | 1 | NW LANTAU |



Appendix IV. Photograph of Identified Individual Dolphin in January 2022 (TMCLKL)

Appendix D

Cumulative Statistics on
Exceedances, Complaints,
Notifications of Summons
and Successful Prosecutions

Table D1 *Cumulative Statistics on Exceedances*

| Monitoring Parameters | Action/Limit Level | Total No. recorded in this reporting quarter | Total No. recorded since Contract commencement |
|--|---------------------------|---|---|
| Post Construction (Operational) Dolphin Monitoring | Action Limit | 0 | 0 |
| | | 0 | 6 |

Table D2 *Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions*

| Reporting Period | Cumulative Statistics | | |
|--|------------------------------|---------------------------------|--------------------------------|
| | Complaints | Notifications of Summons | Successful Prosecutions |
| This Reporting Period (January 2022) | 0 | 0 | 0 |
| Total No. received since Contract commencement | 0 | 0 | 0 |