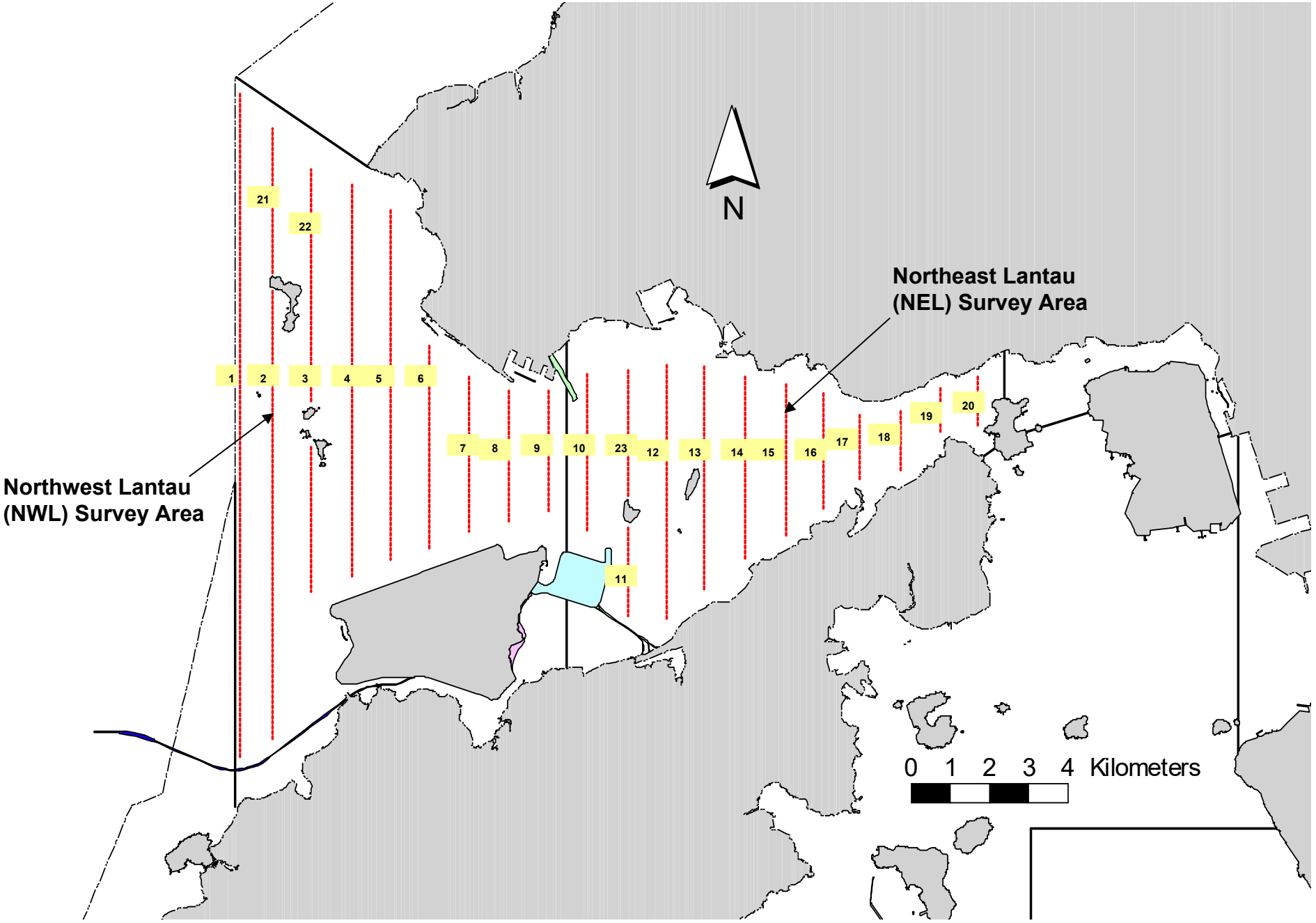



Figure 1. Transect Line Layout in Northwest and Northeast Lantau Survey Areas

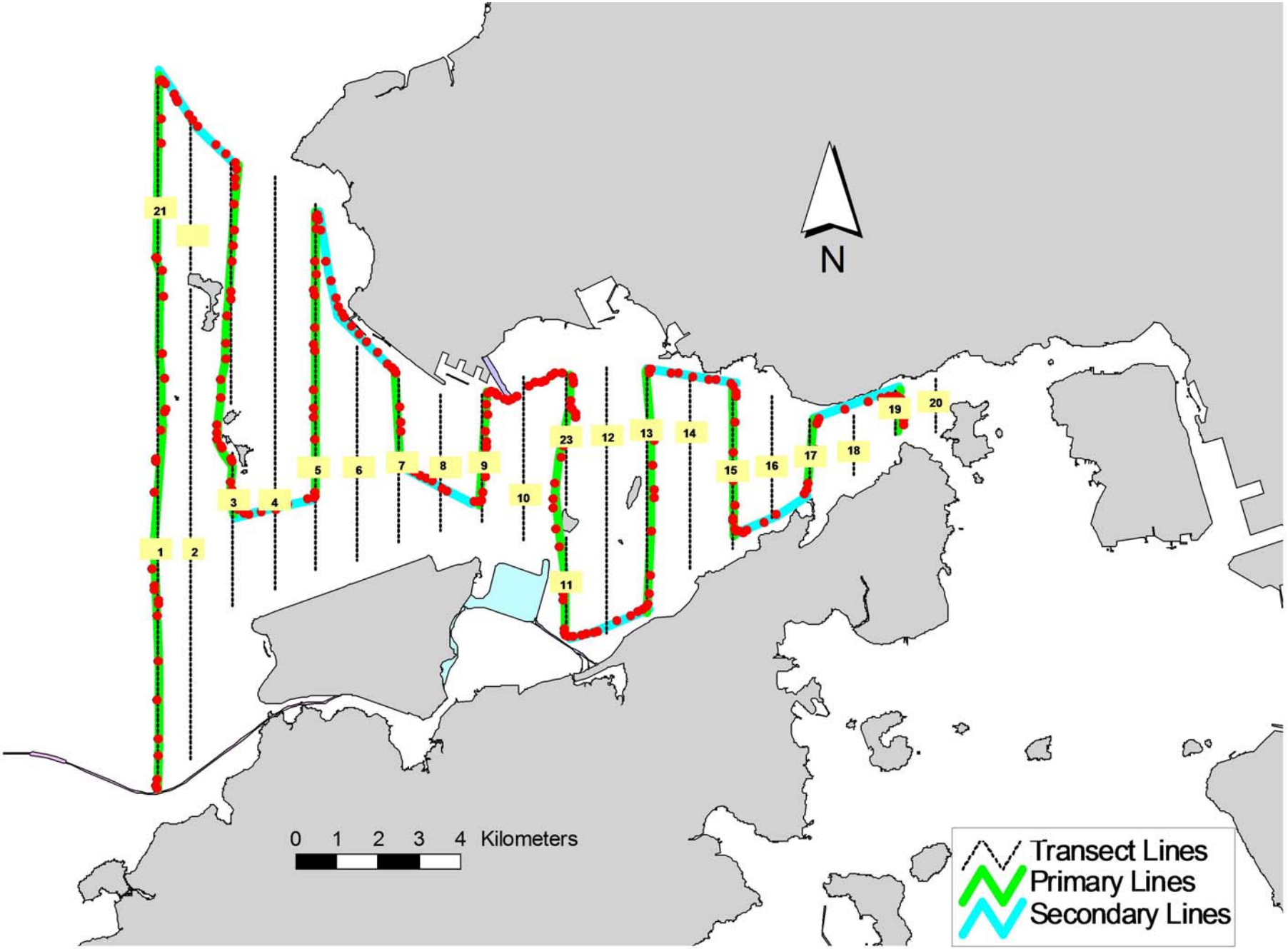



Figure 2. Survey Route on May 18th, 2017 (from HKLR03 project)

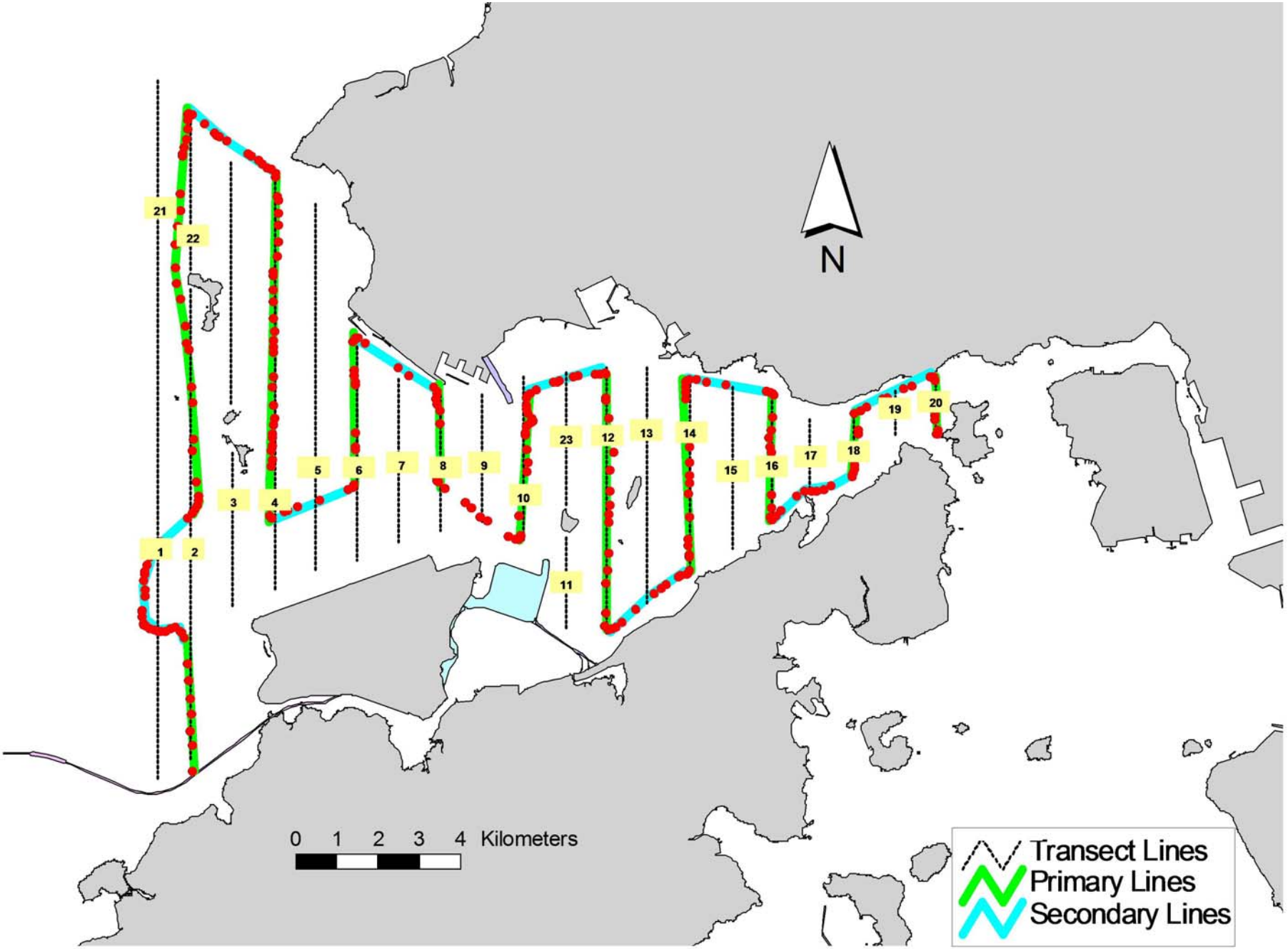



Figure 3. Survey Route on May 22nd, 2017 (from HKLR03 project)

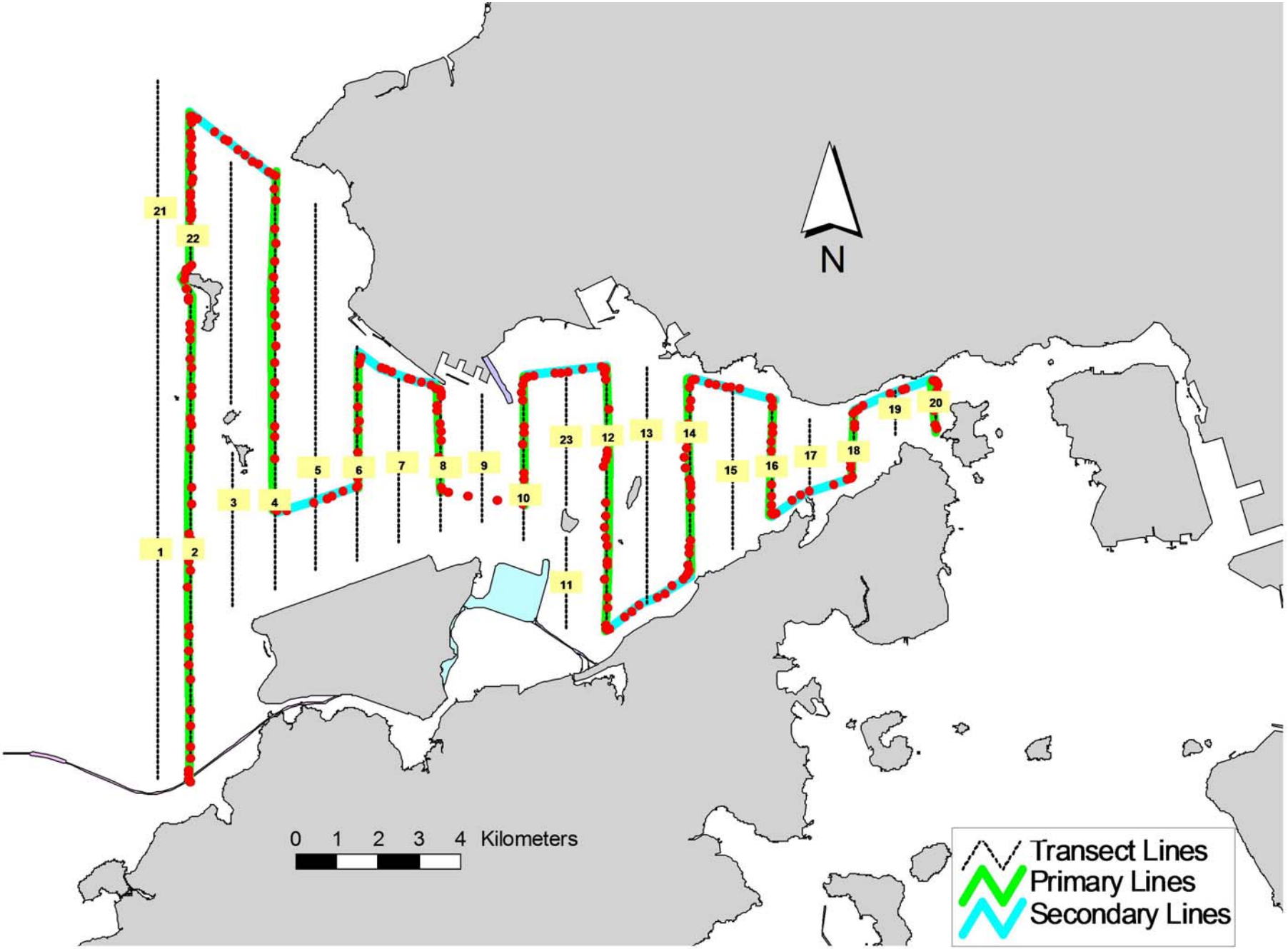



Figure 4. Survey Route on May 24th, 2017 (from HKLR03 project)

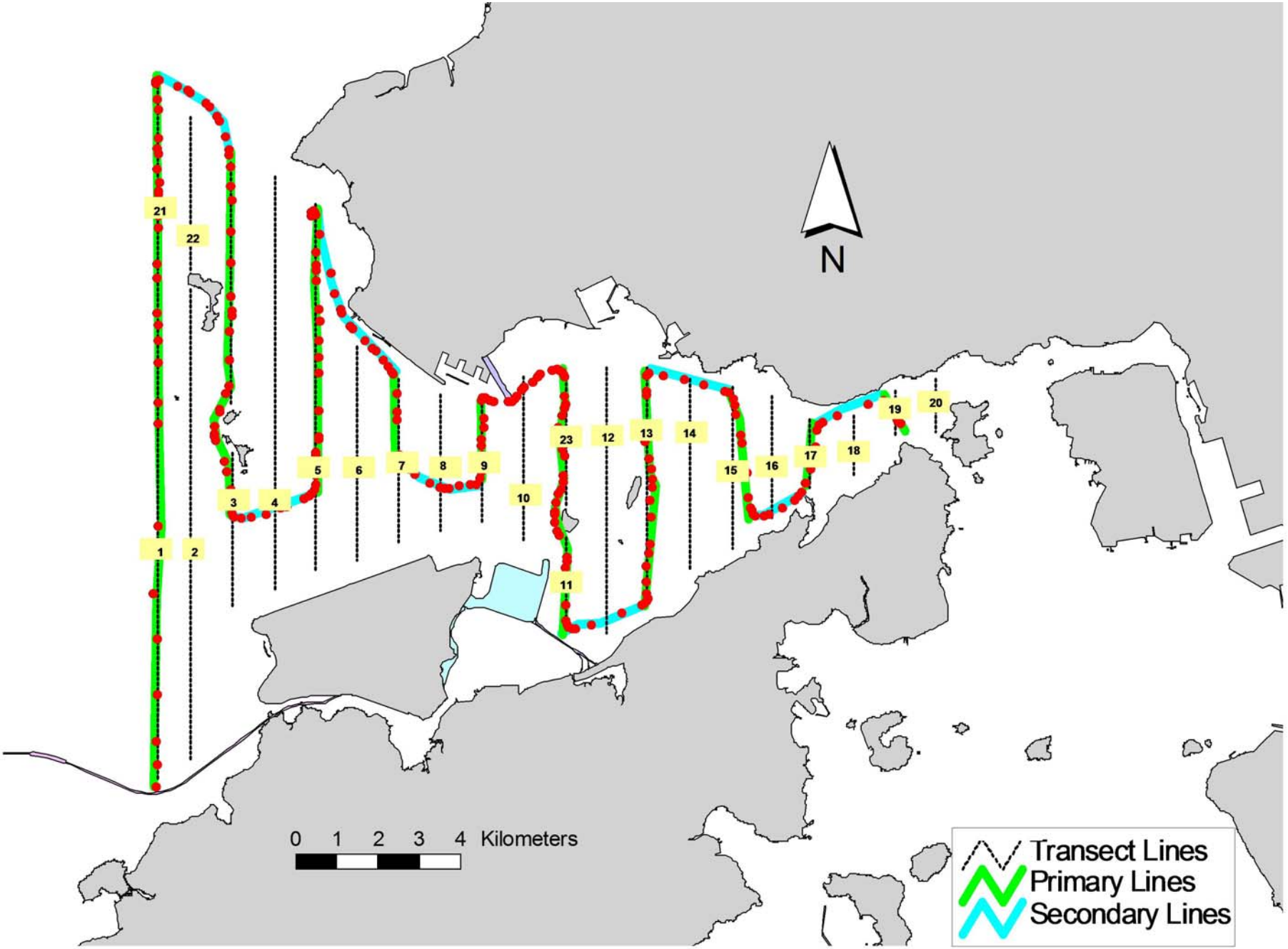



Figure 5. Survey Route on May 26th, 2017 (from HKLR03 project)

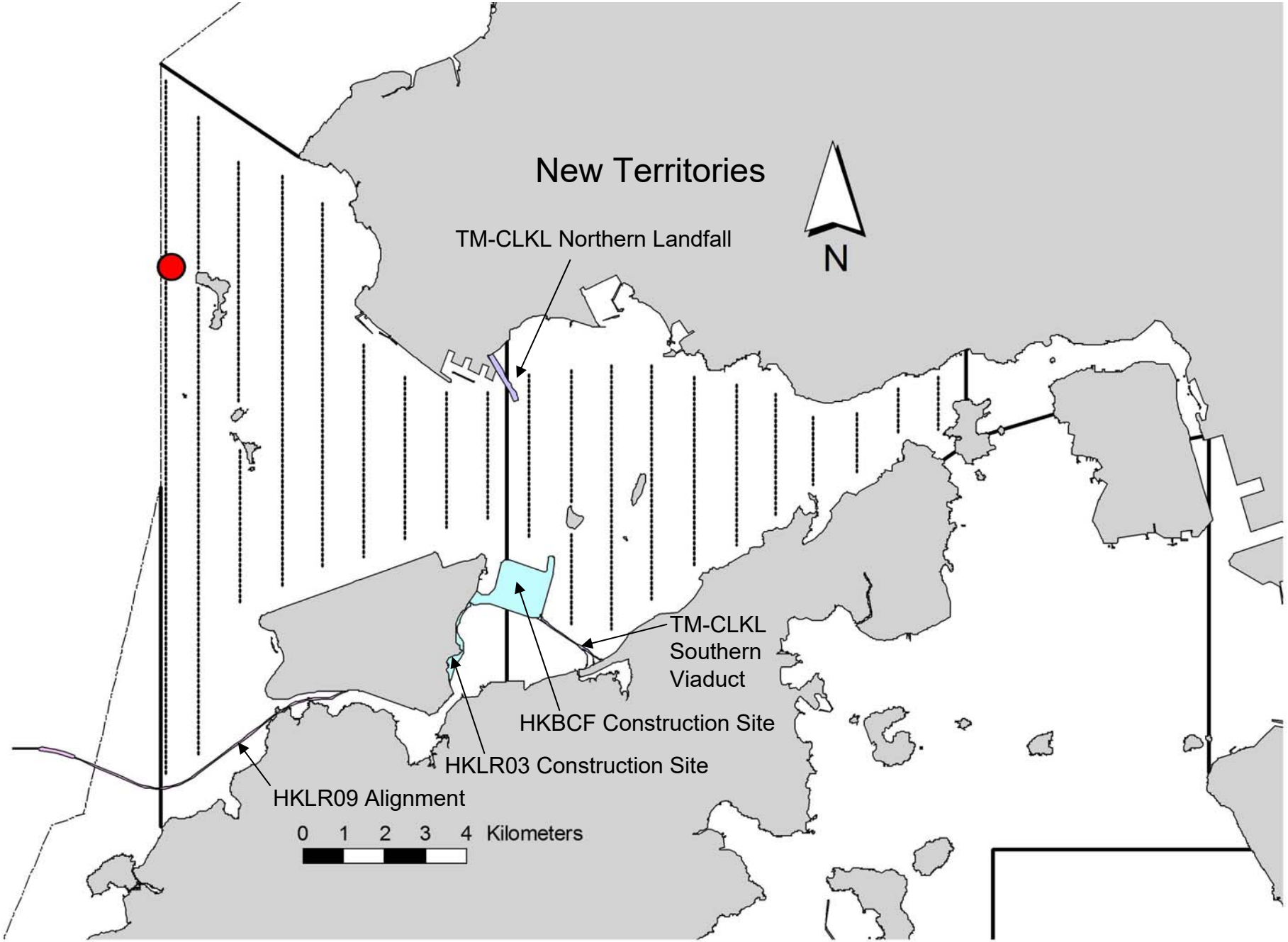



Figure 6. Distribution of Chinese White Dolphin Sightings during May 2017 HKLR03 Monitoring Surveys

## Appendix I. HKLR03 Survey Effort Database (May 2017)

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

| DATE | AREA | BEAU | EFFORT | SEASON | VESSEL | TYPE | P/S |
|---|---|---|---|---|---|---|---|
| 18-May-17 | NW LANTAU | 2 | 9.22 | SPRING | STANDARD36826 | HKLR | P |
| 18-May-17 | NW LANTAU | 3 | 24.53 | SPRING | STANDARD36826 | HKLR | P |
| 18-May-17 | NW LANTAU | 2 | 6.90 | SPRING | STANDARD36826 | HKLR | S |
| 18-May-17 | NW LANTAU | 3 | 5.55 | SPRING | STANDARD36826 | HKLR | S |
| 18-May-17 | NE LANTAU | 2 | 2.50 | SPRING | STANDARD36826 | HKLR | P |
| 18-May-17 | NE LANTAU | 3 | 14.14 | SPRING | STANDARD36826 | HKLR | P |
| 18-May-17 | NE LANTAU | 2 | 4.76 | SPRING | STANDARD36826 | HKLR | S |
| 18-May-17 | NE LANTAU | 3 | 4.10 | SPRING | STANDARD36826 | HKLR | S |
| 22-May-17 | NE LANTAU | 2 | 2.29 | SPRING | STANDARD36826 | HKLR | P |
| 22-May-17 | NE LANTAU | 3 | 16.57 | SPRING | STANDARD36826 | HKLR | P |
| 22-May-17 | NE LANTAU | 4 | 0.89 | SPRING | STANDARD36826 | HKLR | P |
| 22-May-17 | NE LANTAU | 2 | 4.37 | SPRING | STANDARD36826 | HKLR | S |
| 22-May-17 | NE LANTAU | 3 | 7.08 | SPRING | STANDARD36826 | HKLR | S |
| 22-May-17 | NW LANTAU | 2 | 1.70 | SPRING | STANDARD36826 | HKLR | P |
| 22-May-17 | NW LANTAU | 3 | 18.57 | SPRING | STANDARD36826 | HKLR | P |
| 22-May-17 | NW LANTAU | 4 | 5.37 | SPRING | STANDARD36826 | HKLR | P |
| 22-May-17 | NW LANTAU | 2 | 4.94 | SPRING | STANDARD36826 | HKLR | S |
| 22-May-17 | NW LANTAU | 3 | 6.42 | SPRING | STANDARD36826 | HKLR | S |
| 24-May-17 | NW LANTAU | 2 | 13.73 | SPRING | STANDARD33706 | HKLR | P |
| 24-May-17 | NW LANTAU | 3 | 12.79 | SPRING | STANDARD33706 | HKLR | P |
| 24-May-17 | NW LANTAU | 2 | 5.14 | SPRING | STANDARD33706 | HKLR | S |
| 24-May-17 | NW LANTAU | 3 | 2.48 | SPRING | STANDARD33706 | HKLR | S |
| 24-May-17 | NE LANTAU | 2 | 18.50 | SPRING | STANDARD33706 | HKLR | P |
| 24-May-17 | NE LANTAU | 2 | 10.90 | SPRING | STANDARD33706 | HKLR | S |
| 26-May-17 | NW LANTAU | 1 | 1.90 | SPRING | STANDARD36826 | HKLR | P |
| 26-May-17 | NW LANTAU | 2 | 30.88 | SPRING | STANDARD36826 | HKLR | P |
| 26-May-17 | NW LANTAU | 3 | 0.82 | SPRING | STANDARD36826 | HKLR | P |
| 26-May-17 | NW LANTAU | 1 | 0.80 | SPRING | STANDARD36826 | HKLR | S |
| 26-May-17 | NW LANTAU | 2 | 12.00 | SPRING | STANDARD36826 | HKLR | S |
| 26-May-17 | NE LANTAU | 1 | 5.55 | SPRING | STANDARD36826 | HKLR | P |
| 26-May-17 | NE LANTAU | 2 | 7.88 | SPRING | STANDARD36826 | HKLR | P |
| 26-May-17 | NE LANTAU | 3 | 1.60 | SPRING | STANDARD36826 | HKLR | P |
| 26-May-17 | NE LANTAU | 1 | 3.47 | SPRING | STANDARD36826 | HKLR | S |
| 26-May-17 | NE LANTAU | 2 | 5.00 | SPRING | STANDARD36826 | HKLR | S |

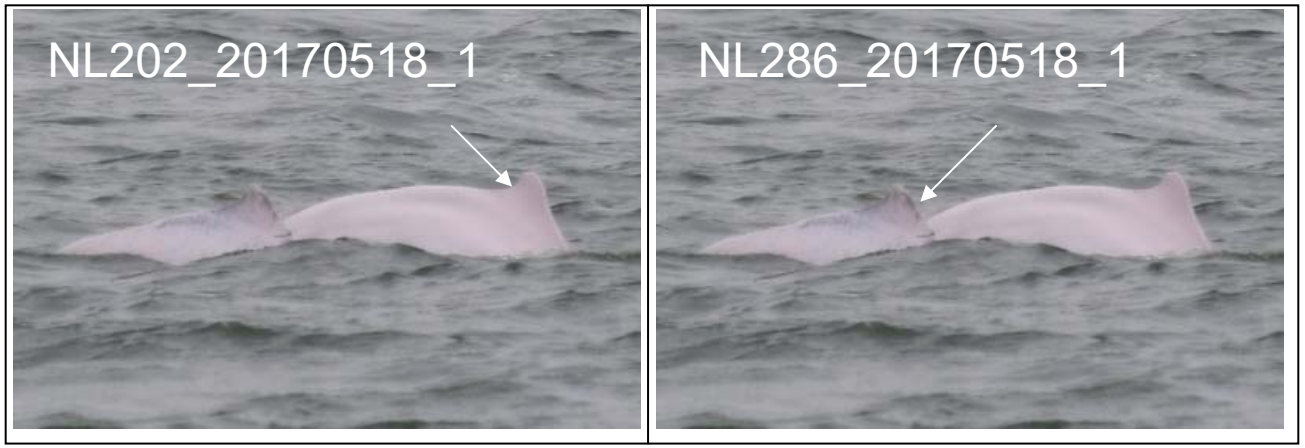
## Appendix II. HKLR03 Chinese White Dolphin Sighting Database (May 2017)

(Abberviations: 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18-May-17 | 1 | 1057 | 2 | NW LANTAU | 3 | 265 | ON | HKLR | 827119 | 804799 | SPRING | NONE | P |

## Appendix III. Individual dolphins identified during HKLR03 monitoring surveys in May 2017

| ID# | DATE | STG# | AREA |
|---|---|---|---|
| NL202 | 18/05/17 | 1 | NW LANTAU |
| NL286 | 18/05/17 | 1 | NW LANTAU |




Appendix IV. Photographs of Identified Individual Dolphins in May 2017 (HKLR03)

Appendix K

# Event and Action Plan

## *Event and Action Plan for Impact Air Monitoring*

| | Action | | | |
|---|---|---|---|---|
| | **ET [(a)]** | **IEC [(a)]** | **SOR [(a)]** | **Contractor(s)** |
| **Action Level Exceedance** | | | | |
| | 1. Identify the source.<br>2. Repeat measurement to confirm finding. If two consecutive measurements exceed Action Level, the exceedance is then confirmed.<br>3. Inform the IEC and the SOR.<br>4. Investigate the cause of exceedance and check Contractor's working procedures to determine possible mitigation to be implemented.<br>5. If the exceedance is confirmed to be Project related after investigation, increase monitoring frequency to daily.<br>6. Discuss with the IEC and the Contractor on remedial actions required.<br>7. If exceedance continues, arrange meeting with the IEC and the SOR.<br>8. If exceedance stops, cease additional monitoring. | 1. Check monitoring data submitted by the ET.<br>2. Check the Contractor's working method.<br>3. If the exceedance is confirmed to be Project related after investigation, discuss with the ET and the Contractor on possible remedial measures.<br>4. Advise the SOR on the effectiveness of the proposed remedial measures.<br>5. Supervise implementation of remedial measures. | 1. Confirm receipt of notification of failure in writing.<br>2. Notify the Contractor.<br>3. Ensure remedial measures properly implemented. | 1. Rectify any unacceptable practice<br>2. Amend working methods if appropriate<br>3. If the exceedance is confirmed to be Project related, submit proposals for remedial actions to IEC within 3 working days of notification<br>4. Implement the agreed proposals<br>5. Amend proposal if appropriate |

| | Action | | | |
|---|---|---|---|---|
| | **ET [(a)]** | **IEC [(a)]** | **SOR [(a)]** | **Contractor(s)** |
| **Limit Level Exceedance** | | | | |
| | 1. Identify the source.<br>2. Repeat measurement to confirm finding. If two consecutive measurements exceed Limit Level, the exceedance is then confirmed.<br>3. Inform the IEC, the SOR, the DEP and the Contractor.<br>4. Investigate the cause of exceedance and check Contractor's working procedures to determine possible mitigation to be implemented.<br>5. If the exceedance is confirmed to be Project related after investigation, increase monitoring frequency to daily.<br>6. Carry out analysis of the Contractor's working procedures to determine possible mitigation to be implemented.<br>7. Arrange meeting with the IEC and the SOR to discuss the remedial actions to be taken.<br>8. Assess effectiveness of the Contractor's remedial actions and keep the IEC, the DEP and the SOR informed of the results.<br>9. If exceedance stops, cease additional monitoring. | 1. Check monitoring data submitted by the ET.<br>2. Check Contractor's working method.<br>3. If the exceedance is confirmed to be Project related after investigation, discuss with the ET and the Contractor on possible remedial measures.<br>4. Advise the SOR on the effectiveness of the proposed remedial measures.<br>5. Supervise implementation of remedial measures. | 1. Confirm receipt of notification of failure in writing.<br>2. Notify the Contractor.<br>3. If the exceedance is confirmed to be Project related after investigation, in consultation with the IEC, agree with the Contractor on the remedial measures to be implemented.<br>4. Ensure remedial measures are properly implemented.<br>5. If exceedance continues, consider what activity of the work is responsible and instruct the Contractor to stop that activity of work until the exceedance is abated. | 1. Take immediate action to avoid further exceedance.<br>2. If the exceedance is confirmed to be Project related after investigation, submit proposals for remedial actions to IEC within 3 working days of notification.<br>3. Implement the agreed proposals.<br>4. Amend proposal if appropriate.<br>5. Stop the relevant activity of works as determined by the SOR until the exceedance is abated. |

Note: (a) ET – Environmental Team; IEC – Independent Environmental Checker; SOR – Supervising Officer's Representative

*Event & Action Plan for Impact Water Quality Monitoring*

| Event | ET Leader | IEC | SOR | Contractor |
|---|---|---|---|---|
| Action level being exceeded by one sampling day | 1. Repeat *in situ* measurement on next day of exceedance to confirm findings;<br>2. Identify source(s) of impact;<br>3. Inform IEC, contractor and SOR;<br>4. Check monitoring data, all plant, equipment and Contractor's working methods. | 1. Check monitoring data submitted by ET and Contractor's working methods. | 1. Confirm receipt of notification of non-compliance in writing;<br>2. Notify Contractor. | 1. Inform the SOR and confirm notification of the non-compliance in writing;<br>2. Rectify unacceptable practice;<br>3. Amend working methods if appropriate. |
| Action level being exceeded by two or more consecutive sampling days | 1. Repeat measurement on next day of exceedance to confirm findings;<br>2. Identify source(s) of impact;<br>3. Inform IEC, Contractor, SOR and EPD;<br>4. Check monitoring data, all plant, equipment and Contractor's working methods;<br>5. Discuss mitigation measures with IEC, SOR and Contractor;<br>6. Ensure mitigation measures are implemented;<br>7. Increase the monitoring frequency to daily until no exceedance of Action level; | 1. Check monitoring data submitted by ET and Contractor's working method;<br>2. Discuss with ET and Contractor on possible remedial actions;<br>3. Review the proposed mitigation measures submitted by Contractor and advise the SOR accordingly;<br>4. Supervise the implementation of mitigation measures. | 1. Discuss with IEC on the proposed mitigation measures;<br>2. Ensure mitigation measures are properly implemented;<br>3. Assess the effectiveness of the implemented mitigation measures. | 1. Inform the Supervising Officer and confirm notification of the non-compliance in writing;<br>2. Rectify unacceptable practice;<br>3. Check all plant and equipment and consider changes of working methods;<br>4. Submit proposal of additional mitigation measures to SOR within 3 working days of notification and discuss with ET, IEC and SOR;<br>5. Implement the agreed mitigation measures. |
| Limit level being exceeded by one sampling day | 1. Repeat measurement on next day of exceedance to confirm findings; | 1. Check monitoring data submitted by ET and | 1. Confirm receipt of notification of failure in | 1. Inform the SOR and confirm notification of the |

| Event | ET Leader | IEC | SOR | Contractor |
|---|---|---|---|---|
| | 2. Identify source(s) of impact;<br><br>3. Inform IEC, Contractor, SOR and EPD;<br><br>4. Check monitoring data, all plant, equipment and Contractor's working methods;<br><br>5. Discuss mitigation measures with IEC, SOR and Contractor; | Contractor's working method;<br><br>2. Discuss with ET and Contractor on possible remedial actions;<br><br>3. Review the proposed mitigation measures submitted by Contractor and advise the SOR accordingly. | writing;<br><br>2. Discuss with IEC, ET and Contractor on the proposed mitigation measures;<br><br>3. Request Contractor to review the working methods. | non-compliance in writing;<br><br>2. Rectify unacceptable practice;<br><br>3. Check all plant and equipment and consider changes of working methods;<br><br>4. Submit proposal of mitigation measures to SOR within 3 working days of notification and discuss with ET, IEC and SOR. |
| Limit level being exceeded by two or more consecutive sampling days | 1. Repeat measurement on next day of exceedance to confirm findings;<br><br>2. Identify source(s) of impact;<br><br>3. Inform IEC, contractor, SOR and EPD;<br><br>4. Check monitoring data, all plant, equipment and Contractor's working methods;<br><br>5. Discuss mitigation measures with IEC, SOR and Contractor;<br><br>6. Ensure mitigation measures are implemented;<br><br>7. Increase the monitoring frequency to daily until no exceedance of Limit level for two consecutive days; | 1. Check monitoring data submitted by ET and Contractor's working method;<br><br>2. Discuss with ET and Contractor on possible remedial actions;<br><br>3. Review the Contractor's mitigation measures whenever necessary to assure their effectiveness and advise the SOR accordingly;<br><br>4. Supervise the implementation of mitigation measures. | 1. Discuss with IEC, ET and Contractor on the proposed mitigation measures;<br><br>2. Request Contractor to critically review the working methods;<br><br>3. Make agreement on the mitigation measures to be implemented;<br><br>4. Ensure mitigation measures are properly implemented;<br><br>5. Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the construction activities until no exceedance of Limit level. | 1. Take immediate action to avoid further exceedance;<br><br>2. Submit proposal of mitigation measures to SOR within 3 working days of notification and discuss with ET, IEC and SOR;<br><br>3. Implement the agreed mitigation measures;<br><br>4. Resubmit proposals of mitigation measures if problem still not under control;<br><br>5. As directed by the Supervising Officer, to slow down or to stop all or part of the construction activities until no exceedance of Limit level. |

Note: ET – Environmental Team, IEC – Independent Environmental Checker, SOR – Supervising Officer's Representative

## *Event / Action Plan for Impact Dolphin Monitoring*

| EVENT | ACTION | | | |
|---|---|---|---|---|
| | **ET** | **IEC** | **SOR** | **Contractor** |
| Action Level | 1. Repeat statistical data analysis to confirm findings;<br>2. Review all available and relevant data, including raw data and statistical analysis results of other parameters covered in the EM&A, to ascertain if differences are as a result of natural variation or previously observed seasonal differences;<br>3. Identify source(s) of impact;<br>4. Inform the IEC, SOR and Contractor;<br>5. Check monitoring data.<br>6. Review to ensure all the dolphin protective measures are fully and properly implemented and advise on additional measures if necessary. | 1. Check monitoring data submitted by ET and Contractor;<br>2. Discuss monitoring results and finding with the ET and the Contractor. | 1. Discuss monitoring with the IEC and any other measures proposed by the ET;<br>2. If SOR is satisfied with the proposal of any other measures, SOR to signify the agreement in writing on the measures to be implemented. | 1. Inform the SOR and confirm notification of the non-compliance in writing;<br>2. Discuss with the ET and the IEC and propose measures to the IEC and the SOR;<br>3. Implement the agreed measures. |
| Limit Level | 1. Repeat statistical data analysis to confirm findings;<br>2. Review all available and relevant data, including raw data and statistical analysis results of other parameters covered in the EM&A, to ascertain if differences are as a result of natural variation or previously observed seasonal differences; | 1. Check monitoring data submitted by ET and Contractor;<br>2. Discuss monitoring results and findings with the ET and the Contractor;<br>3. Attend the meeting to discuss with ET, SOR and | 1. Attend the meeting to discuss with ET, IEC and Contractor the necessity of additional dolphin monitoring and any other potential mitigation measures.<br>2. If SOR is satisfied with the | 1. Inform the SOR and confirm notification of the non-compliance in writing;<br>2. Attend the meeting to discuss with ET, IEC and SOR the necessity of additional dolphin monitoring and any other |

| EVENT | ACTION | | | |
|---|---|---|---|---|
| | ET | IEC | SOR | Contractor |
| | 3. Identify source(s) of impact;<br>4. Inform the IEC, SOR and Contractor of findings;<br>5. Check monitoring data;<br>6. Repeat review to ensure all the dolphin protective measures are fully and properly implemented and advise on additional measures if necessary.<br>7. If ET proves that the source of impact is caused by any of the construction activity by the works contract, ET to arrange a meeting to discuss with IEC, SOR and Contractor the necessity of additional dolphin monitoring and/or any other potential mitigation measures (e.g., consider to modify the perimeter silt curtain or consider to control/temporarily stop relevant construction activity etc.) and submit to IEC a proposal of additional dolphin monitoring and/or mitigation measures where necessary. | Contractor the necessity of additional dolphin monitoring and any other potential mitigation measures.<br>4. Review proposals for additional monitoring and any other mitigation measures submitted by ET and Contractor and advise SOR of the results and findings accordingly.<br>5. Supervise / Audit the implementation of additional monitoring and/or any other mitigation measures and advise SOR the results and findings accordingly. | proposals for additional dolphin monitoring and/or any other mitigation measures submitted by ET and Contractor and verified by IEC, SOR to signify the agreement in writing on such proposals and any other mitigation measures.<br>3. Supervise the implementation of additional monitoring and/or any other mitigation measures. | potential mitigation measures.<br>3. Jointly submit with ET to IEC a proposal of additional dolphin monitoring and/or any other mitigation measures when necessary.<br>4. Implement the agreed additional dolphin monitoring and/or any other mitigation measures. |

Note: ET – Environmental Team, IEC – Independent Environmental Checker, SOR – Supervising Officer's Representative