

Appendix I Marine Mammal Survey Reports

CONTRACT NO. EP/SP/66/12

Vessel-based line-transect marine mammal monitoring surveys for the EM&A programme of Integrated Waste Management Facilities Project

*Baseline Monitoring Report
submitted to Acuity Sustainability Consulting Limited*

Submitted by
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1. INTRODUCTION

- 1.1. The Hong Kong SAR Government will develop the Integrated Waste Management Facilities (IWMF) Phase 1 Project with incineration to achieve substantial bulk of reduction for unavoidable Municipal Solid Waste. The IWMF will be on an artificial island to be formed by reclamation at the southwestern coast of Shek Kwu Chau. The associated Environmental Impact Assessment report was approved and an Environmental Permit was granted on January 2012.
- 1.2. The IWMF EIA report predicted that the reclamation and relevant marine works of the project will adversely affect the Indo-Pacific finless porpoise (*Neophocaena phocaenoides*) within and near the project site, as the porpoises have been frequently and consistently found between the waters of Shek Kwu Chau and Soko Islands according to the recent AFCD reports for their monitoring of marine mammals in Hong Kong waters (see Hung 2016, 2017). However, with the full and effective implementation of the proposed mitigation measures, the adverse impacts on finless porpoises are expected to be mitigated to acceptable level.
- 1.3. In order to prevent any adverse impacts arising from the construction of the project on the porpoises, the Environmental Monitoring and Audit (EM&A) Manual of the EIA report recommended the marine mammal monitoring programme to assess any adverse and unacceptable impacts to the porpoises in pre-construction phase, construction phase and operation phase (one year after the completion of construction works).

- 1.4. To fulfill the requirements of the EM&A Manual, Acuity Sustainability Consulting Limited (ASCL) was appointed by the project contractor, Keppel Seghers - Zhen Hua Joint Venture as their Consultant, to be responsible for implementing the EM&A programme. In January 2018, Dr. Samuel Hung, the Director of the Hong Kong Cetacean Research Project (HKCRP), was appointed by ASCL to undertake the responsibilities for all EM&A project tasks in relation to marine mammal monitoring during the baseline and construction phases of the IWMF project.
- 1.5. One of the EM&A tasks is to conduct vessel-based line-transect surveys during the pre-construction phase, to determine the baseline conditions in distribution and occurrence of finless porpoises in the study area (i.e. Southeast Lantau survey area) before construction begins in mid-2018. The EM&A requirement is to conduct the line-transect surveys twice a month for the duration of three months during the peak season of porpoise occurrence (i.e. December-May).
- 1.6. This report is the baseline monitoring report for the vessel-based line-transect surveys submitted to ASCL, summarizing the survey findings for the three-month study period from February to April 2018.

2. MONITORING METHODOLOGY

2.1. *Vessel-based Line-transect Survey*

- 2.1.1. For the vessel-based marine mammal surveys, the HKCRP team adopted the standard line-transect method (Buckland et al. 2001), and followed the same technique of data collection that has been adopted over the last 20 years of marine mammal monitoring surveys in Hong Kong developed by HKCRP (see Hung 2016, 2017). The collected survey data would then be compatible with the long-term marine mammal monitoring programme commissioned by AFCD (also conducted by HKCRP) to allow potential comparisons and pooling data for various analyses.
- 2.1.2. For the present study, the line-transect surveys were only conducted in Southeast Lantau survey area where the IWMF project site is located, and the layout of transect lines in this survey area is shown in Figure 1. The goal was to conduct two complete set of line-transect surveys twice a month for the duration of three months during the peak season of porpoise occurrence (i.e. December-May).
- 2.1.3. For each vessel survey, a 15-m inboard vessel with an open upper deck (about 4.5 m above water surface) was used to make observations from the flying bridge area. Two

experienced marine mammal observers (a data recorder and a primary observer) made up the on-effort survey team, and the survey vessel transited different transect lines at a constant speed of 13-15 km per hour.

- 2.1.4. The data recorder searched with unaided eyes and filled out the datasheets, while the primary observer searched for dolphins and porpoises continuously through 7 x 50 marine binoculars. Both observers searched the sea ahead of the vessel, between 270° and 90° (in relation to the bow, which is defined as 0°). One to two additional experienced observers were available on the boat to work in shift (i.e. rotate every 30 minutes) in order to minimize fatigue of the survey team members. All observers were experienced in small cetacean survey techniques and identifying local cetacean species with extensive training by the Director of HKCRP.
- 2.1.5. During on-effort survey periods, the survey team recorded effort data including time, position (latitude and longitude), weather conditions (Beaufort sea state and visibility), and distance traveled in each series (a continuous period of search effort) with the assistance of a handheld GPS (*Garmin eTrex Legend*). Data including time, position and vessel speed were also automatically and continuously logged by handheld GPS throughout the entire survey for subsequent review.
- 2.1.6. When porpoises or dolphins were sighted, the survey team would end the survey effort, and immediately record the initial sighting distance and angle of the porpoise or dolphin group from the survey vessel, as well as the sighting time and position. Then the research vessel was diverted from its course to approach the animals for species identification and group size estimation if necessary. For Chinese White Dolphins, notes would be taken after assessment of their group composition and behavioural observations.
- 2.2. *Photo-identification Work*
- 2.2.1. The occurrence of Chinese White Dolphins has been relatively rare in Southeast Lantau survey area in the past two decades (see Hung 2008, 2017). Nevertheless, when a group of Chinese White Dolphins were sighted during a line-transect vessel survey, the survey team would end effort and approach the group slowly from the side and behind to take photographs of them. Every attempt was made to photograph each dolphin in the group, and even photograph both sides of the dolphins, since the colouration and markings on both sides may not be symmetrical. It should be noted that it is not feasible at all to identify individual finless porpoises through the photo-identification method, as they lack dorsal fin as well as any distinct identifying feature from their body surface, and are difficult to be approached by boat due to their elusive behaviour.

- 2.2.2. One to two professional digital cameras (e.g. Canon EOS 7D Mark II model), each equipped with long telephoto lenses (100-400 mm zoom), were available on board for researchers to take sharp, close-up photographs of dolphins as they surfaced. The images were shot at the highest available resolution and stored on Compact Flash memory cards for downloading onto a computer.
- 2.2.3. All digital images taken in the field were first examined, and those containing potentially identifiable individual dolphins were sorted out. These photographs would then be examined in greater details, and were carefully compared to over 950 identified dolphins in the PRE Chinese White Dolphin photo-identification catalogue curated by HKCRP (see Hung 2017). Chinese White Dolphins can be identified by their natural markings, such as nicks, cuts, scars and deformities on their dorsal fin and body, and their unique spotting patterns were also used as secondary identifying features (Jefferson 2000; Jefferson and Leatherwood 1997).
- 2.2.4. All photographs of each individual dolphin were then compiled and arranged in chronological order, with data including the date and location first identified (initial sighting), re-sightings, associated dolphins, distinctive features, and age classes entered into a computer database.

2.3. *Data Analyses*

Distribution pattern analysis

- 2.3.1. The line-transect survey data was integrated with a Geographic Information System (GIS) to visualize and interpret different spatial and temporal patterns of porpoise and dolphin distribution using their sighting positions collected from vessel surveys. Location data of porpoise and dolphin groups were plotted on map layers of Hong Kong using a desktop GIS (ArcView[®] 3.1) to examine their distribution patterns in details.

Encounter rate analysis

- 2.3.2. Since the line-transect survey effort was uneven among different survey areas and across different months of the study period, the encounter rates of finless porpoises (number of on-effort sightings per 100 km of survey effort, and total number of porpoises sighted on-effort per 100 km of survey effort) were calculated in each survey area in relation to the amount of survey effort conducted. The encounter rate could be used as an indicator to determine areas or time periods of importance to porpoises within the study area.
- 2.3.3. For encounter rate analysis of finless porpoises, only survey data collected under Beaufort 2 or below condition would be used for encounter rate analysis (see Hung 2017, 2018).

Quantitative Grid Analysis on Habitat Use

- 2.3.4. To take into account of the variations of survey effort across different sections within a survey area, the quantitative grid analysis of habitat use (Hung 2008) was conducted to examine finless porpoise usage among 1-km² grids within the Southeast Lantau survey area. For the grid analysis, SPSE (sighting density) and DPSE (porpoise density) values were deduced for evaluation on level of porpoise usage. First, positions of on-effort porpoise sightings from the study period were plotted onto 68 grids (1 km x 1 km each) within the survey area (Figure 2).
- 2.3.5. Sighting density grids and porpoise density grids were then normalized with the amount of survey effort conducted within each grid. The total amount of survey effort spent on each grid was calculated by examining the survey coverage on each line-transect survey to determine how many times the grid had been surveyed during study period. With the amount of survey effort calculated for each grid, the sighting density and porpoise density of each grid were further normalized (i.e. divided by the unit of survey effort).
- 2.3.6. The newly-derived unit for sighting density was termed SPSE, representing the number of on-effort sightings per 100 units of survey effort. In addition, the derived unit for actual porpoise density was termed DPSE, representing the number of dolphins/porpoise per 100 units of survey effort. Among the 1-km² grids that were partially covered by land, the percentage of sea area was calculated using GIS tools, and their SPSE and DPSE values were adjusted accordingly.
- 2.3.7. The following formulae were used to estimate SPSE and DPSE in each 1-km² grid within the study area:

$$SPSE = ((S / E) \times 100) / SA\%$$

$$DPSE = ((D / E) \times 100) / SA\%$$

where S = total number of on-effort sightings
D = total number of dolphins/porpoises from on-effort sightings
E = total number of units of survey effort
SA% = percentage of sea area

3. BASELINE MONITORING RESULTS

3.1. *Survey Effort and Marine Mammal Sightings*

3.1.1. During the three-month IWMF EM&A baseline monitoring programme, a total of six sets of surveys were completed in Southeast Lantau survey between February and April 2018. The details of these survey effort data are presented in Appendix I.

3.1.2. A total of 421.10 km of survey effort was collected from the line-transect surveys (Appendix I). The total survey effort conducted on primary and secondary lines were 359.17 km and 61.93 km respectively.

3.1.3. Notably, 87.5% of the total survey effort was conducted under favourable weather conditions (i.e. Beaufort Sea State 2 or below with good visibility) throughout the three-month study period, and the survey data collected in such condition can be used for encounter rate analysis for finless porpoises (Appendix I).

3.1.4. During the three-month baseline monitoring period, a total of 56 groups of 148 finless porpoises and only two groups of two Chinese White Dolphins were sighted in Southeast Lantau waters (Appendices II and III). All except three groups of porpoises and both dolphin groups were sighted during on-effort search, which can be utilized for encounter rate analysis and habitat use analysis.

3.2. *Distribution of Finless Porpoises and Chinese White Dolphins*

3.2.1. From February to April 2018, the porpoises were sighted evenly throughout most of the Southeast Lantau survey area, with the exception of the southeastern portion of offshore waters where no porpoise was sighted (Figure 1). More porpoises apparently occurred to the eastern and southern sides of Shek Kwu Chau, and in the waters between Shek Kwu Chau and the Soko Islands (Figure 1). On the contrary, they were less frequently sighted in the inshore waters of Lantau Island (i.e. Pui O Wan) as well as between the waters between Cheung Chau and Shek Kwu Chau (Figure 1-4).

3.2.2. Even though the Chinese White Dolphins have been rarely sighted in Southeast Lantau survey area in the past (see Hung 2016, 2017), two dolphin sightings were made during the three-month IWMF baseline monitoring period, with the two lone dolphins located within Pui O Wan and to the north of Shek Kwu Chau respectively (Figure 1).

3.3. *Photo-identification of Chinese White Dolphins*

3.3.1. The two dolphins sighting during the IWMF baseline monitoring surveys were identified as NL306 and WL69 by the photo-identification method (see Appendices IV and V).

Both individuals have been sighted in Southeast Lantau waters in the past during AFCD long-term marine mammal monitoring (e.g. Hung 2017).

3.3.2. Notably, NL306 was feeding near a gill-netter when it was sighted during the February 15th survey.

3.4. *Encounter rate of Finless Porpoises*

3.4.1. As the occurrence of dolphins in Southeast Lantau waters was exceptionally low in the past and during the present baseline monitoring period, their encounter rate will not be calculated.

3.4.2. For each of the monitoring month, the encounter rates of finless porpoises were: 17.0 sightings and 40.2 porpoises per 100 km of survey effort in February 2018; 7.5 sightings and 20.3 porpoises per 100 km of survey effort in March 2018; and 15.8 sightings and 54.2 porpoises per 100 km of survey effort in April 2018.

3.4.3. Overall, the porpoise encounter rates for the three-month baseline monitoring period were 13.3 sightings and 36.4 porpoises per 100 km of survey effort. These encounter rates would serve as the important baseline parameters for comparison with the monitoring results from impact phase and operational phase monitoring programme to examine changes in porpoise usage in Southeast Lantau survey area in relation to the IWMF construction works.

3.5. *Habitat Use Pattern of Finless Porpoises*

3.5.1. During the baseline monitoring period from February to April 2018, the grids in Southeast Lantau survey area that recorded moderately high to high porpoise densities were located to the west, southwest and southeast of Shek Kwu Chau, toward the southwestern end of the survey area (i.e. the offshore waters between Shek Kwu Chau and the Soko Islands), as well as the central portion of Pui O Wan (Figure 5).

3.5.2. On the contrary, the porpoises appeared to have avoided the offshore waters in Southeast Lantau survey area (especially a few kilometres to the south of Shek Kwu Chau), to the northeast of Shek Kwu Chau, and around Chi Ma Wan Peninsula (Figure 5). The porpoise density was also close to zero along the high-speed ferry route to traverse through the waters between Cheung Chau, Chi Ma Wan Peninsula and Shek Kwu Chau, and extending toward Shui Hau Peninsula (Figure 5)

3.5.3. Notably, the porpoise densities were the highest at the IWMF project area near Shek Kwu Chau. The importance of the waters near Shek Kwu Chau as porpoise habitat has been

consistently highlighted in previous years of AFCD marine mammal monitoring (e.g. Hung 2016, 2017).

- 3.5.4. It should be emphasized that the amount of survey effort collected in each grid during the three-month period was fairly low (six units of survey effort for all grids from the six sets of baseline monitoring surveys), and therefore the habitat use pattern derived from the three-month dataset should be treated with some caution.

4. REFERENCES

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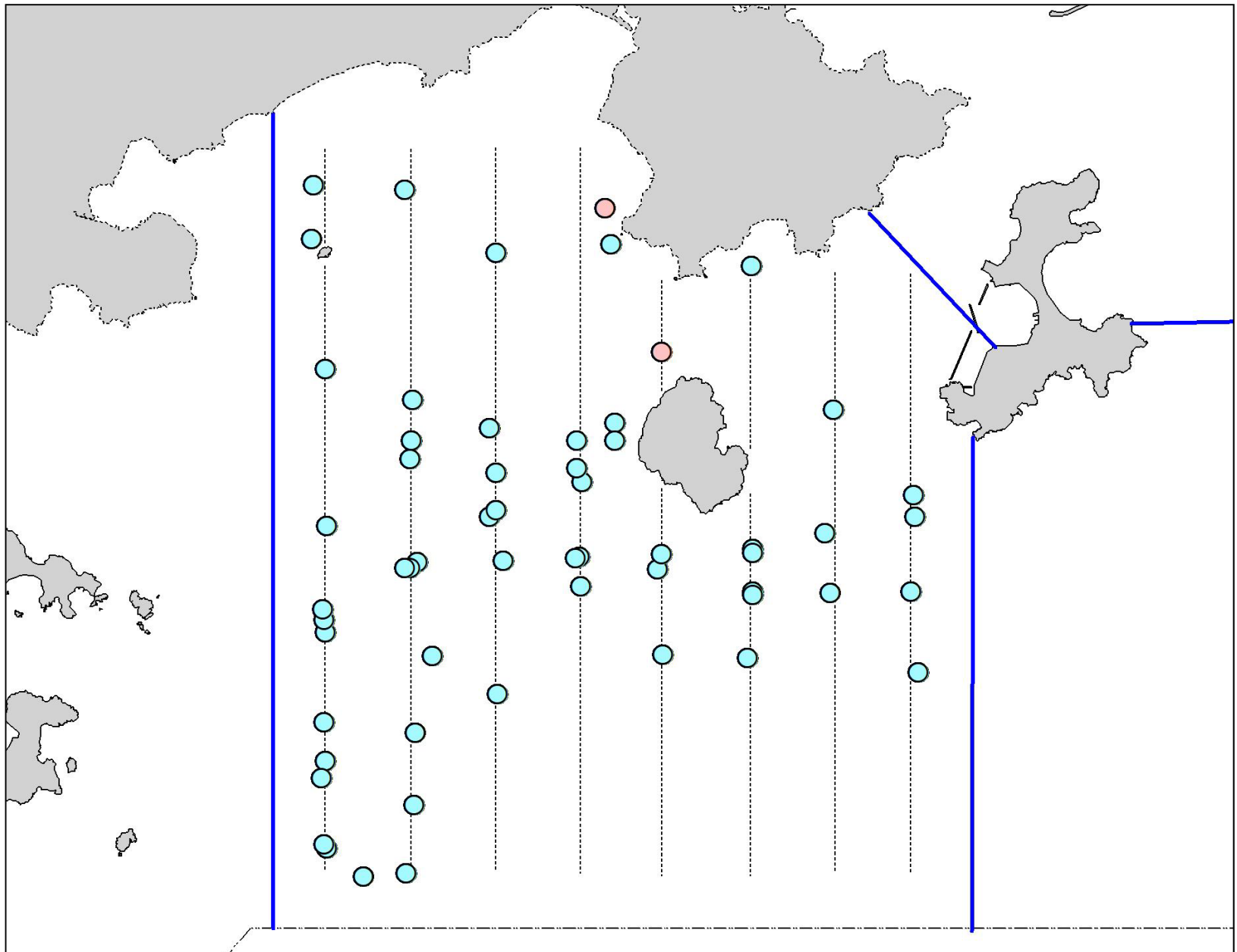


Figure 1. Distribution of finless porpoises (light blue dots) and Chinese White Dolphins (pink dots) during IWMF baseline monitoring surveys in Southeast Lantau survey area (February-April 2018), with transect lines shown.

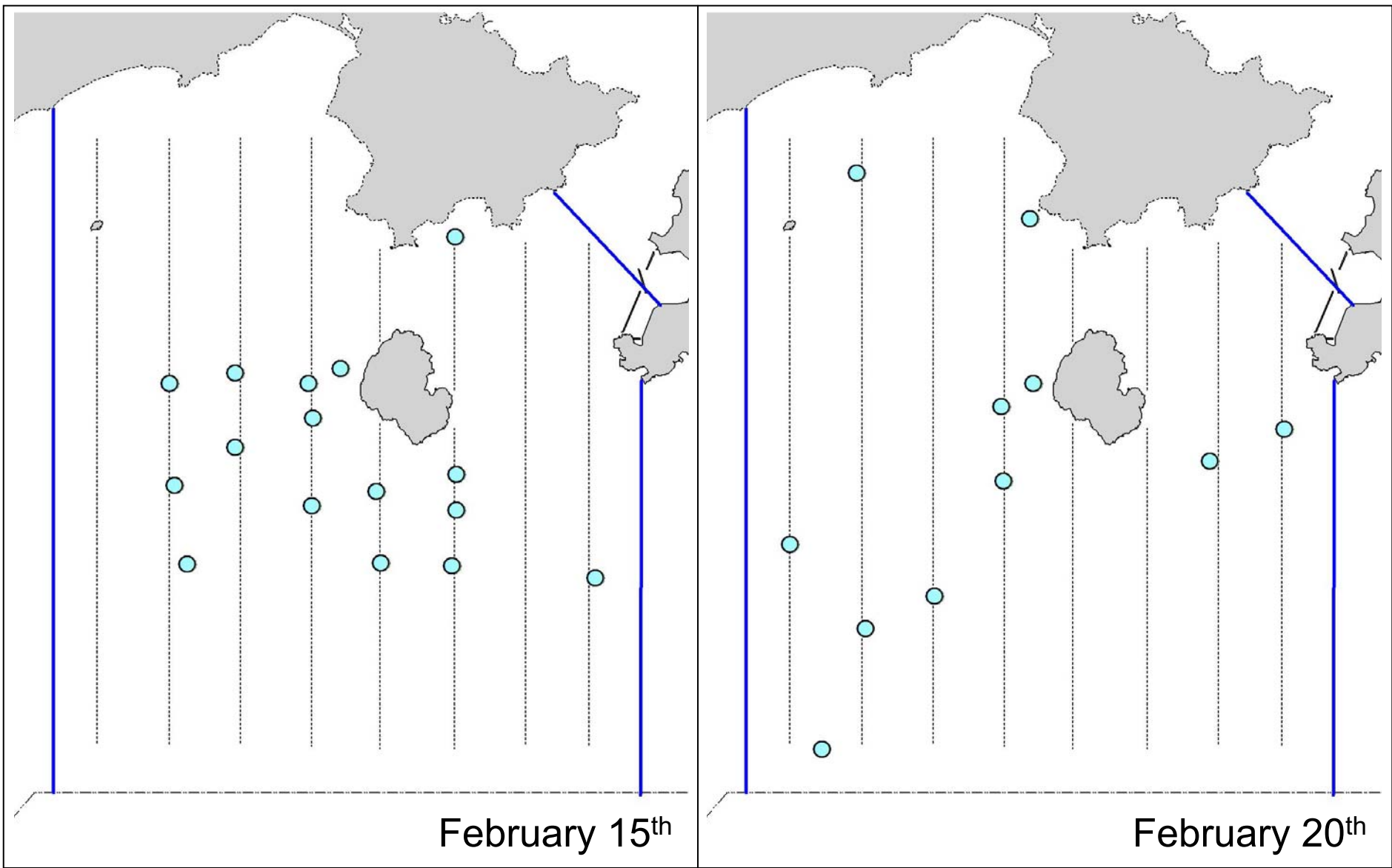


Figure 2. Distribution of finless porpoises on February 15th and February 20th during IWMF baseline monitoring surveys in Southeast Lantau survey area.

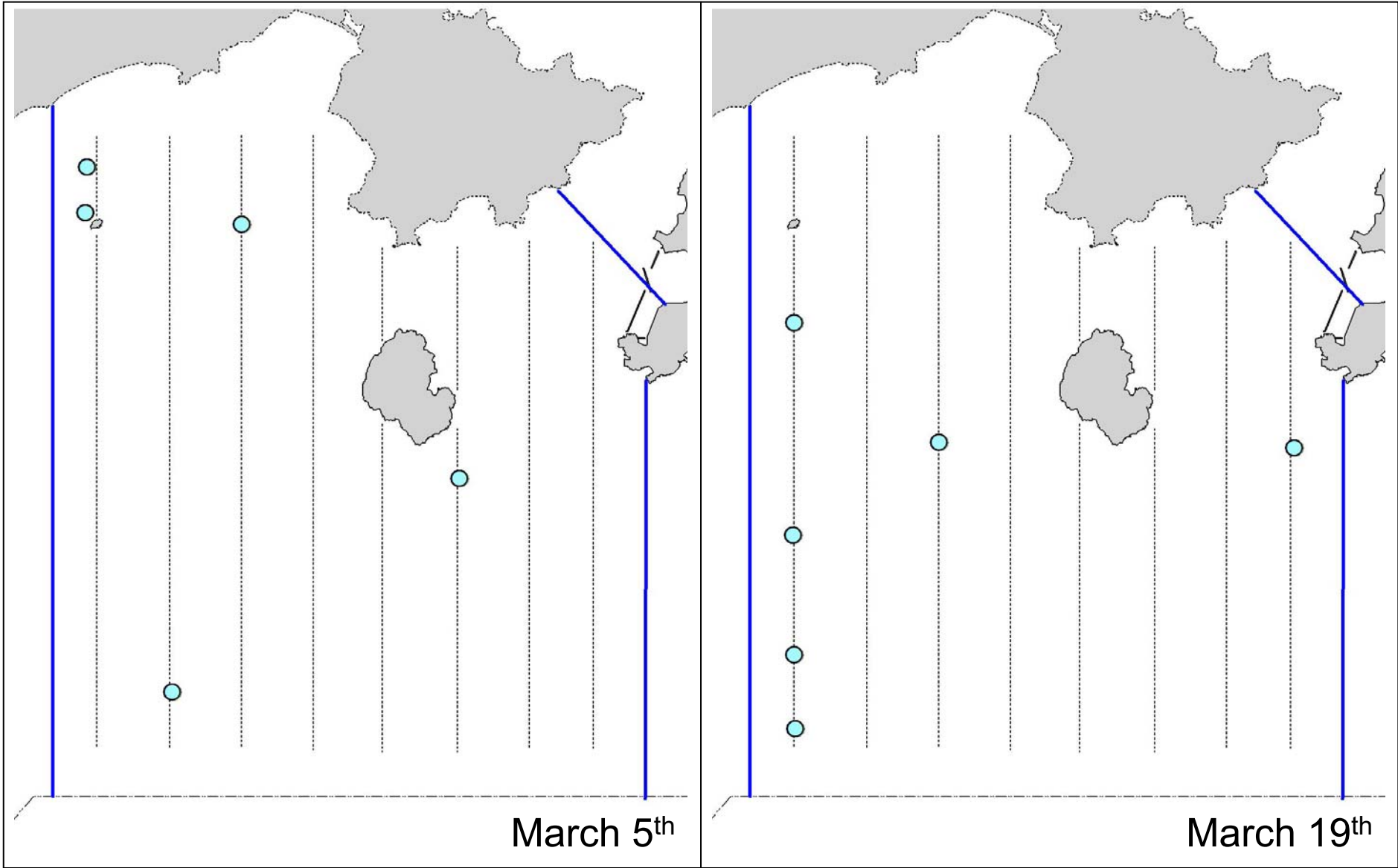


Figure 3. Distribution of finless porpoises on March 5th and March 19th during IWMF baseline monitoring surveys in Southeast Lantau survey area.

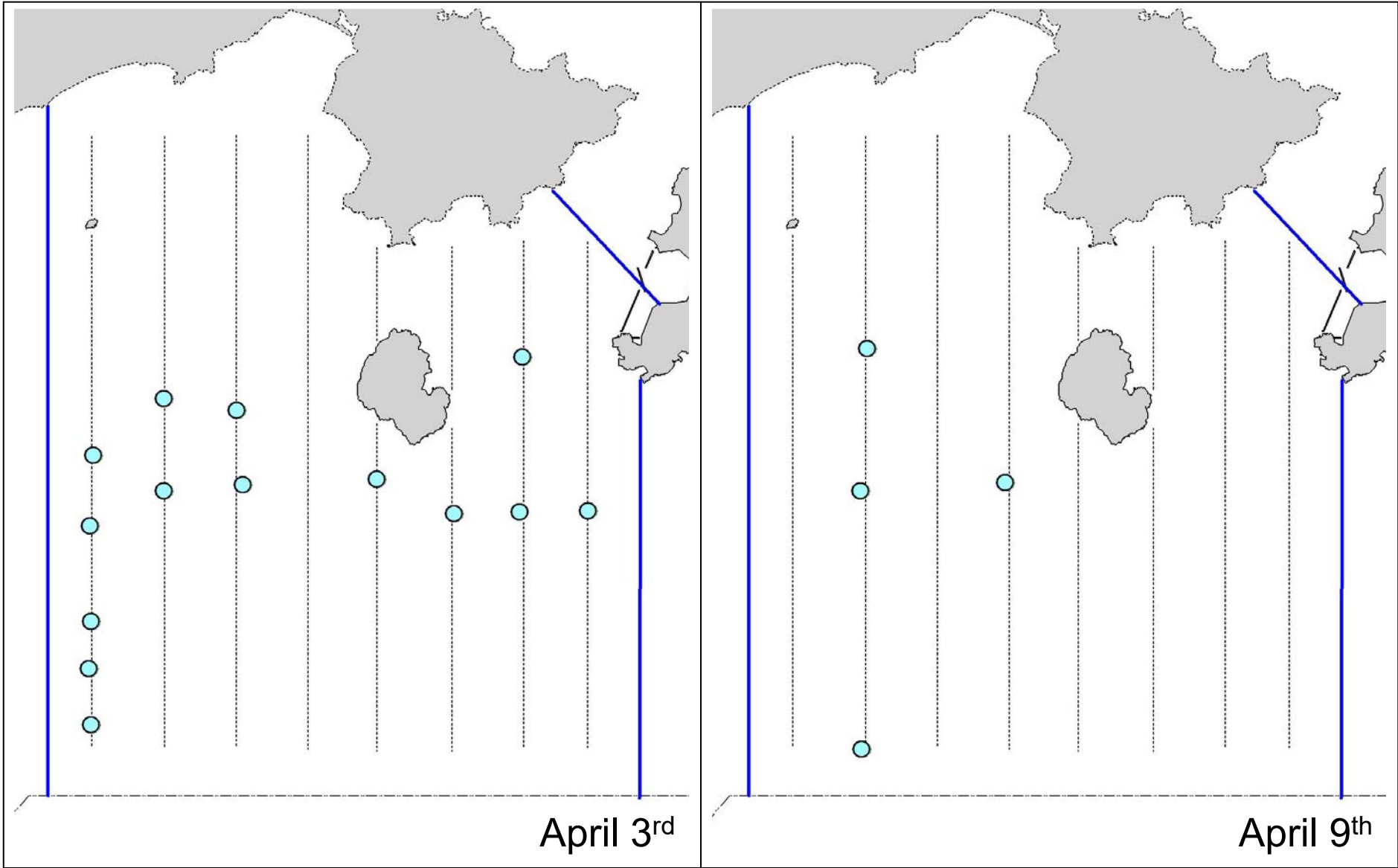


Figure 4. Distribution of finless porpoises on April 3rd and April 9th during IWMF baseline monitoring surveys in Southeast Lantau survey area.

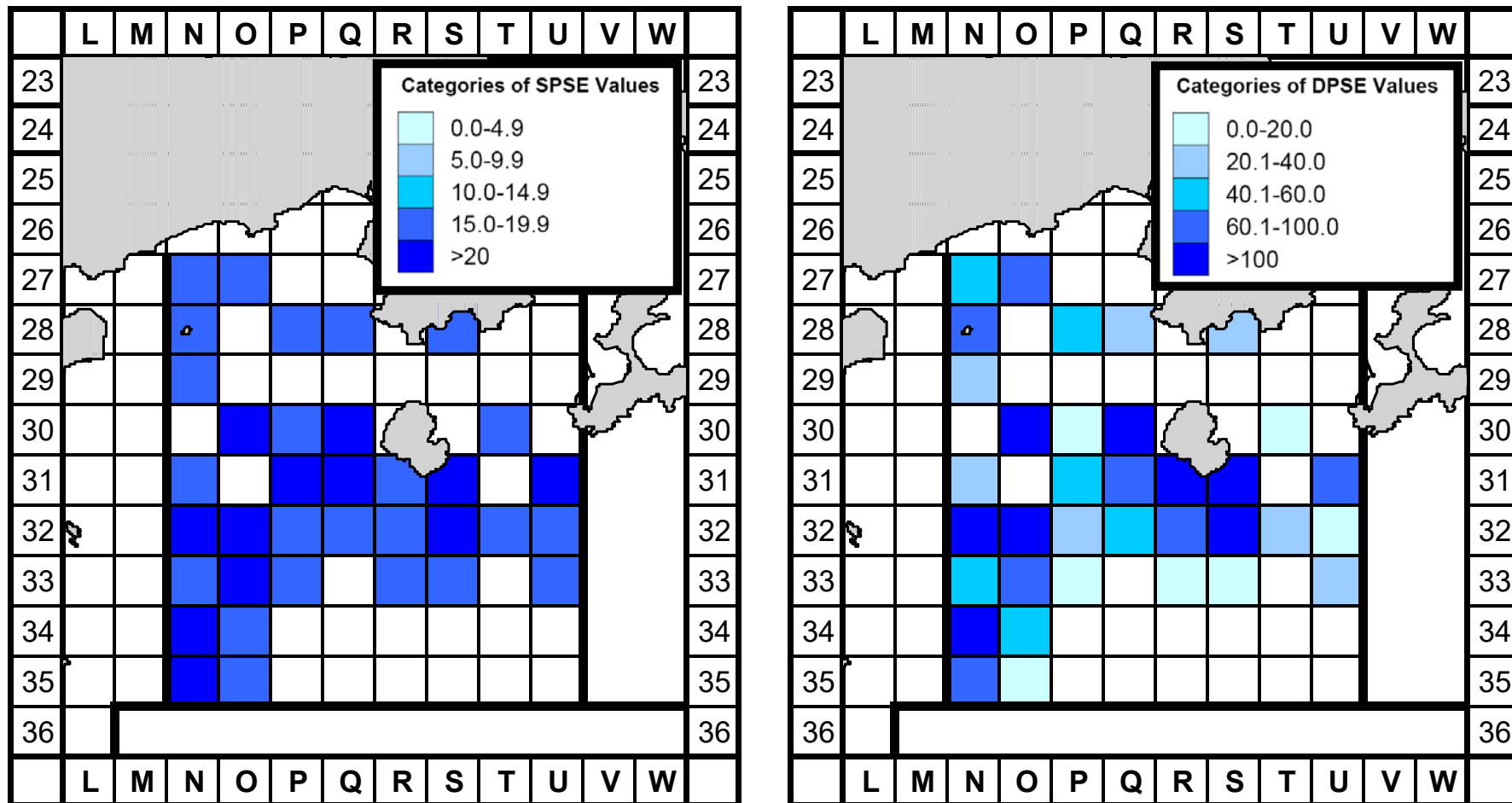


Figure 5. Density of finless porpoises with corrected survey effort per sq km in Southeast Lantau survey area during IWMMF baseline monitoring period (February-April 2018) (SPSE = no. of effort porpoise sightings per 100 units of survey effort; DPSE = no. of porpoises per 100 units of survey effort)

Appendix I. IWMA EM&A Survey Effort Database (February-April 2018)

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

DATE	AREA	BEAU	EFFORT	SEASON	VESSEL	P/S
15-Feb-18	SE LANTAU	0	0.57	WINTER	STANDARD36826	P
15-Feb-18	SE LANTAU	1	47.73	WINTER	STANDARD36826	P
15-Feb-18	SE LANTAU	2	20.26	WINTER	STANDARD36826	P
15-Feb-18	SE LANTAU	1	7.08	WINTER	STANDARD36826	S
15-Feb-18	SE LANTAU	2	1.97	WINTER	STANDARD36826	S
20-Feb-18	SE LANTAU	0	20.58	WINTER	STANDARD36826	P
20-Feb-18	SE LANTAU	1	23.80	WINTER	STANDARD36826	P
20-Feb-18	SE LANTAU	2	14.45	WINTER	STANDARD36826	P
20-Feb-18	SE LANTAU	0	1.05	WINTER	STANDARD36826	S
20-Feb-18	SE LANTAU	1	6.31	WINTER	STANDARD36826	S
20-Feb-18	SE LANTAU	2	3.07	WINTER	STANDARD36826	S
5-Mar-18	SE LANTAU	1	40.73	SPRING	STANDARD36826	P
5-Mar-18	SE LANTAU	2	17.37	SPRING	STANDARD36826	P
5-Mar-18	SE LANTAU	1	6.21	SPRING	STANDARD36826	S
5-Mar-18	SE LANTAU	2	5.30	SPRING	STANDARD36826	S
19-Mar-18	SE LANTAU	1	21.80	SPRING	STANDARD36826	P
19-Mar-18	SE LANTAU	2	33.56	SPRING	STANDARD36826	P
19-Mar-18	SE LANTAU	3	4.43	SPRING	STANDARD36826	P
19-Mar-18	SE LANTAU	1	2.80	SPRING	STANDARD36826	S
19-Mar-18	SE LANTAU	2	5.20	SPRING	STANDARD36826	S
19-Mar-18	SE LANTAU	3	0.94	SPRING	STANDARD36826	S
3-Apr-18	SE LANTAU	1	22.00	SPRING	STANDARD36826	P
3-Apr-18	SE LANTAU	2	33.65	SPRING	STANDARD36826	P
3-Apr-18	SE LANTAU	1	5.75	SPRING	STANDARD36826	S
3-Apr-18	SE LANTAU	2	5.86	SPRING	STANDARD36826	S
9-Apr-18	SE LANTAU	2	17.52	SPRING	STANDARD36826	P
9-Apr-18	SE LANTAU	3	35.59	SPRING	STANDARD36826	P
9-Apr-18	SE LANTAU	4	5.13	SPRING	STANDARD36826	P
9-Apr-18	SE LANTAU	2	3.78	SPRING	STANDARD36826	S
9-Apr-18	SE LANTAU	3	5.42	SPRING	STANDARD36826	S
9-Apr-18	SE LANTAU	4	1.19	SPRING	STANDARD36826	S

Appendix II. IWMF EM&A Finless Porpoise Sighting Database (February-April 2018)

(Abbreviations: STG# = Sighting Number; HRD SZ = Porpoise Herd Size; BEAU = Beaufort Sea State; PSD = Perpendicular Sighting Distance; P/S: Sighting Made on Primary/Secondary Lines)

DATE	STG #	TIME	HRD SZ	AREA	BEAU	PSD	EFFORT	NORTHING	EASTING	SEASON	P/S
15-Feb-18	1	947	2	SE LANTAU	1	127	ON	803741	819541	WINTER	P
15-Feb-18	2	1035	2	SE LANTAU	1	210	ON	808317	817546	WINTER	S
15-Feb-18	3	1053	3	SE LANTAU	1	164	ON	805128	817563	WINTER	P
15-Feb-18	4	1101	3	SE LANTAU	1	153	ON	804640	817562	WINTER	P
15-Feb-18	5	1106	1	SE LANTAU	1	131	ON	803910	817510	WINTER	P
15-Feb-18	6	1131	1	SE LANTAU	1	195	ON	803944	816488	WINTER	P
15-Feb-18	7	1136	5	SE LANTAU	1	308	ON	804897	816438	WINTER	P
15-Feb-18	8	1146	1	SE LANTAU	1	55	ON	806547	815925	WINTER	S
15-Feb-18	10	1223	2	SE LANTAU	1	229	ON	806360	815460	WINTER	P
15-Feb-18	11	1226	2	SE LANTAU	1	70	ON	805883	815532	WINTER	P
15-Feb-18	12	1237	3	SE LANTAU	1	98	ON	804710	815510	WINTER	P
15-Feb-18	13	1312	2	SE LANTAU	2	ND	OFF	805497	814428	WINTER	
15-Feb-18	14	1317	1	SE LANTAU	1	62	ON	806483	814429	WINTER	P
15-Feb-18	15	1351	1	SE LANTAU	2	231	ON	806351	813491	WINTER	P
15-Feb-18	16	1358	3	SE LANTAU	2	85	ON	804978	813561	WINTER	P
15-Feb-18	17	1405	2	SE LANTAU	2	74	ON	803926	813745	WINTER	P
20-Feb-18	1	1012	3	SE LANTAU	0	45	ON	805735	819482	WINTER	P
20-Feb-18	2	1053	2	SE LANTAU	0	ND	OFF	805315	818429	WINTER	
20-Feb-18	3	1207	5	SE LANTAU	1	60	ON	806359	815924	WINTER	S
20-Feb-18	4	1224	2	SE LANTAU	1	135	ON	808563	815866	WINTER	S
20-Feb-18	5	1248	3	SE LANTAU	1	77	ON	806038	815470	WINTER	P
20-Feb-18	6	1255	2	SE LANTAU	1	193	ON	805042	815490	WINTER	P
20-Feb-18	7	1326	1	SE LANTAU	0	285	ON	803504	814518	WINTER	P
20-Feb-18	8	1403	4	SE LANTAU	1	162	ON	809175	813412	WINTER	P
20-Feb-18	9	1434	4	SE LANTAU	2	33	ON	803062	813537	WINTER	P
20-Feb-18	10	1445	2	SE LANTAU	2	62	ON	801453	812908	WINTER	S
20-Feb-18	11	1501	1	SE LANTAU	2	147	ON	804194	812456	WINTER	P
5-Mar-18	1	1039	3	SE LANTAU	1	63	ON	809221	812320	SPRING	P
5-Mar-18	2	1046	4	SE LANTAU	1	87	ON	808612	812298	SPRING	P
5-Mar-18	3	1132	3	SE LANTAU	1	180	ON	802243	813516	SPRING	P
5-Mar-18	4	1217	3	SE LANTAU	1	99	ON	808465	814494	SPRING	P
5-Mar-18	5	1422	5	SE LANTAU	1	729	ON	805083	817563	SPRING	P
19-Mar-18	1	1018	2	SE LANTAU	2	225	ON	805491	819492	SPRING	P
19-Mar-18	2	1324	1	SE LANTAU	1	110	ON	805564	814500	SPRING	P
19-Mar-18	3	1428	2	SE LANTAU	1	ND	OFF	801768	812483	SPRING	

Appendix II. (cont'd)

DATE	STG #	TIME	HRD SZ	AREA	BEAU	PSD	EFFORT	NORTHING	EASTING	SEASON	P/S
19-Mar-18	4	1433	3	SE LANTAU	1	57	ON	802743	812464	SPRING	P
19-Mar-18	5	1442	1	SE LANTAU	1	274	ON	804326	812446	SPRING	P
19-Mar-18	6	1454	2	SE LANTAU	1	143	ON	807161	812461	SPRING	P
3-Apr-18	1	1055	2	SE LANTAU	1	569	ON	805389	812479	SPRING	P
3-Apr-18	2	1101	7	SE LANTAU	1	99	ON	804448	812436	SPRING	P
3-Apr-18	3	1108	3	SE LANTAU	1	442	ON	803175	812444	SPRING	P
3-Apr-18	4	1113	6	SE LANTAU	1	281	ON	802555	812412	SPRING	P
3-Apr-18	5	1120	2	SE LANTAU	1	99	ON	801802	812442	SPRING	P
3-Apr-18	6	1141	2	SE LANTAU	2	62	ON	804923	813478	SPRING	P
3-Apr-18	7	1148	7	SE LANTAU	2	65	ON	806141	813470	SPRING	P
3-Apr-18	8	1226	2	SE LANTAU	2	57	ON	805995	814501	SPRING	P
3-Apr-18	9	1233	2	SE LANTAU	2	10	ON	804999	814592	SPRING	P
3-Apr-18	11	1359	7	SE LANTAU	2	113	ON	805063	816480	SPRING	S
3-Apr-18	12	1432	4	SE LANTAU	1	89	ON	804618	817562	SPRING	P
3-Apr-18	13	1502	1	SE LANTAU	2	310	ON	806699	818534	SPRING	P
3-Apr-18	14	1513	2	SE LANTAU	2	30	ON	804628	818490	SPRING	P
3-Apr-18	15	1544	1	SE LANTAU	2	51	ON	804649	819449	SPRING	P
9-Apr-18	1	1245	2	SE LANTAU	3	79	ON	805031	815448	SPRING	P
9-Apr-18	2	1402	2	SE LANTAU	3	147	ON	806805	813502	SPRING	P
9-Apr-18	3	1415	3	SE LANTAU	3	66	ON	804912	813406	SPRING	P
9-Apr-18	4	1433	1	SE LANTAU	3	167	ON	801479	813432	SPRING	P

Appendix III. IWMF EM&A Chinese White Dolphin Sighting Database (February-April 2018)

(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	NORTHING	EASTING	SEASON	BOAT ASSOC.	P/S
15-Feb-18	9	1159	1	SE LANTAU	1	209	ON	808972	815804	WINTER	GILLNET	P
3-Apr-18	10	1342	1	SE LANTAU	2	91	ON	807344	816472	SPRING	NONE	P

Appendix IV. Individual Chinese White Dolphins identified during IWMF monitoring surveys in February-April 2018

ID#	DATE	STG#	AREA
NL306	15/02/18	9	SE LANTAU
WL69	03/04/18	10	SE LANTAU



Appendix V. Photographs of Identified Individual Dolphins during IWMF Baseline Monitoring Surveys in February-April 2018

CONTRACT NO. EP/SP/66/12

Passive acoustic monitoring on finless porpoises for the EM&A programme of Integrated Waste Management Facilities Project

Baseline Monitoring Report

submitted to Acuity Sustainability Consulting Limited

Submitted by

Samuel K.Y. Hung, Ph.D., Hong Kong Cetacean Research Project

9 May 2018

1. Introduction

- 1.1. The Hong Kong SAR Government will develop the Integrated Waste Management Facilities (IWMF) Phase 1 Project with incineration to achieve substantial bulk of reduction for unavoidable Municipal Solid Waste. The IWMF will be on an artificial island to be formed by reclamation at the southwestern coast of Shek Kwu Chau. The associated Environmental Impact Assessment report was approved and an Environmental Permit was granted on January 2012.
- 1.2. The IWMF EIA report predicted that the reclamation and relevant marine works of the project will adversely affect the Indo-Pacific finless porpoise (*Neophocaena phocaenoides*) within and near the project site, as the porpoises have been frequently and consistently found between the waters of Shek Kwu Chau and the Soko Islands according to the recent AFCD reports for their monitoring of marine mammals in Hong Kong waters (see Hung 2016, 2017). However, with the full and effective implementation of the proposed mitigation measures, the adverse impacts on finless porpoises are expected to be mitigated to acceptable level.
- 1.3. The Environmental Monitoring and Audit (EM&A) Manual of the EIA report recommended the marine mammal monitoring programme to assess any adverse and unacceptable impacts to the porpoises in pre-construction phase, construction phase and operation phase (one year after the completion of construction works).
- 1.4. To fulfill the requirements of the EM&A Manual, Acuity Sustainability Consulting

Limited (ASCL) was appointed by the project contractor, Keppel Seghers - Zhen Hua Joint Venture as their Consultant, to be responsible for implementing the EM&A programme. In January 2018, Dr. Samuel Hung, the Director of the Hong Kong Cetacean Research Project (HKCRP), was appointed by ASCL to undertake the responsibilities for all EM&A project tasks in relation to marine mammal monitoring during the baseline and construction phases of the IWMF project.

- 1.5. One of the EM&A tasks is to conduct 30-days of passive acoustic monitoring (PAM) during the pre-construction phase, to study the baseline 24-hour activity pattern of finless porpoises within and outside of the Project Area before construction begins in mid-2018. The EM&A requirement is to conduct such monitoring for a total of 30 days during the peak season of porpoise occurrence (i.e. December-May).
- 1.6. This report is the baseline monitoring report for the passive acoustic monitoring submitted to ASCL, summarizing such monitoring effort and associated findings for the 30-day study period during the peak season of porpoise occurrence.

2. Methodology

2.1. *Underwater Passive Acoustic Monitoring Survey*

- 2.1.1. According to the EM&A requirement, one automated static porpoise detectors should be placed within the Project Area, while another two porpoise detectors should be placed outside of the Project Area as control sites. These three detectors would then be left on-site to carry out 24-hour monitoring over the 30-day monitoring period during the peak season of porpoise occurrence.
- 2.1.2. For such underwater passive acoustic monitoring works, the project team selected the C-POD (developed by *Chelonia* Ltd.) as the device to record the 24-hour activity of finless porpoises (and Chinese White Dolphins to a lesser extent). A C-POD unit consists of an 80-cm long plastic pipe with a hydrophone at one end below which an electronic filter and amplifier are positioned. The hydrophone records all sounds omni-directionally within the frequency range of 20-160 kHz.
- 2.1.3. The C-POD can detect the presence of finless porpoise and Chinese White Dolphins by identifying the trains of echolocation sounds that they produce. It uses digital waveform characterization to select all clicks similar to cetacean clicks and logs the time, centre frequency, sound pressure level, duration and bandwidth of each click.

- 2.1.4. Three C-POD units were originally planned to be deployed by a professional dive team on the seabed within the IWMF site, as well as two control sites situated near Tai A Chau and Shek Kwu Chau for comparison (Figure 1). The two control sites were chosen due to their importance as porpoise habitats based on past monitoring study results (e.g. Hung 2016, 2017). The C-PODs would be retrieved from the seabed by a professional dive team for servicing approximately every one to two months.
- 2.1.5. During each deployment, the C-POD unit serial numbers as well as the time and date of deployments were recorded. Information including the GPS positions and water depth at each of the deployment locations were also obtained.
- 2.1.6. When a C-POD unit was retrieved and refurbished (e.g. scratching off all attached barnacles on the unit surface), the lid would be opened, and the SD card with the C-POD data would then be removed from the unit for data download. Such data was then opened on the *CPOD.exe* software (also developed by *Chelonia* Ltd.) for further analyses by the professional data analyst Mr. Daniel Murphy, who is uniquely authorized to carry out C-POD analysis on behalf of *Chelonia* Limited. Mr. Murphy has worked closely with the developer of C-POD on the analysis of data from thousands of hours (over 400 years) of C-POD deployment.
- 2.1.7. To differentiate between the two resident cetacean species, the click trains of finless porpoises are characterized by their narrow band high frequency (NBHF) clicks that contain many cycles per click but are comparatively quiet compared with the Chinese White Dolphins.
- 2.1.8. On the contrary, the dolphins produce shorter clicks (i.e. less cycles per click) which are broadband across the detection range (unlike the clicks produced by porpoises which are very narrow band). Dolphins are also much louder than porpoises, and multi-path detections (when a single click bounces off the water surface or other reflecting object) are more likely for them.
- 2.2. *Analyses of C-POD data*
- 2.2.1. For detailed data analyses, the raw click data on the C-POD was first converted by the *CPOD.exe* software to “CP1” files. The click data was then processed using the KERNO classifier to identify click trains and their likely sources and reject weak boat sonar. The classified click trains were recorded in a “CP3” file.
- 2.2.2. The integrity of data record was first checked, and the period of adequate deployment and correct operation were identified. Visual validation was then performed to assess the

overall rate of false positive detection positive minutes (DPM) as identified by the KERNO classifier. This validation method was based on the characteristics of clicks, multi-path clusters, and trains. Additional criteria based on the characteristics of the ambient noise regime could also be used, particularly in relation to boat sonar and sediment transport noise, which could generate a large number of ultrasonic “clicks”.

- 2.2.3. Notably, the level of false positives is not some consistent fraction of true positives, but is determined by the prevalence of the sources that are liable to be misclassified as dolphin clicks, such as boat sonar and sediment transport noise. Moreover, it should be recognized that the cause of a substantial proportion of the “false positive dolphins” was actually true dolphins, but were rejected simply because they were not distinctive enough to meet the stringency of these criteria.
- 2.2.4. After the visual validations, the detection positive minutes (DPMs) could then be assessed as the parameter for porpoise and dolphin occurrences at each deployment location. The DPM was chosen to calculate the total number of minutes where at least one click train was detected within a one-minute period, in order to measure the amount of time porpoises or dolphins spend in an area.
- 2.2.5. Using DPM could eliminate the possibility of counting individual click trains produced by more than one dolphin or porpoise, as the number of animals detected is unknown. The DPM is also very useful for detecting diel and seasonal patterns of porpoise and dolphin occurrences in order to determine the level of habitat utilization by both species at the various deployment locations.

3. Results

3.1. *Summary of data collection with overall occurrences of porpoises and dolphins*

- 3.1.1. The summary of deployment data with detection statistics of finless porpoises shown in Table 1.
- 3.1.2. Originally, three C-POD units were planned to be deployed at three locations on February 9th and retrieved on March 13th. However, while the two units deployed at Shek Kwu Chau and Tai A Chau sites were successfully recovered on the March 13th, the C-POD unit deployed at Pui O Wan site was lost. As a replacement under the contingency plan, another C-POD unit was deployed on the same day (March 13th) at Pui O Wan, which was later recovered successfully on April 17th. Therefore, the EM&A requirement of at least 30 consecutive days of PAM data collection at the Project Area and two control sites has

been fulfilled during the baseline monitoring period.

- 3.1.3. Among the three sites, the C-POD units were deployed for 32.11 days at Shek Kwu Chau, 32.05 days at Tai A Chau and 34.85 days at Pui O Wan (Table 1).
 - 3.1.4. All three units of C-POD have recorded good quality data during the study period. Porpoise activity was recorded on all days (100%) at both Shek Kwu Chau and Tai A Chau sites, while such activity was recorded on all but one day (97.3%) at Pui O Wan. Moreover, the activity level of finless porpoises was much higher at Tai A Chau (with mean DPM per day of 487.5) and Shek Kwu Chau (338.2), but was relatively lower at Pui O Wan (98.5) (Table 1).
 - 3.1.5. On the contrary, very little true detection of Chinese White Dolphins were classified and all DPMs were visually validated, resulting in 8 DPMs at Shek Kwu Chau, 21 DPMs at Tai A Chau, and no true dolphin detections at Pui O Wan.
 - 3.2. *Evaluation of detection errors, loss of click detections and boat sonar*
 - 3.2.1. Visual validation was used to assess the overall rate of false positive porpoise DPM as identified by the KERNO classifier. Such false positives were found to be 0% (with 95% confidence level) at Shek Kwu Chau, 1% at Tai A Chau and 2% at Pui O Wan (Table 1).
 - 3.2.2. In total, only 3 DPMs over all files were found to be false during the inspection of porpoise DPM samples, and these were misclassified sediment transport noise.
 - 3.2.3. Moreover, a small percentage of time was lost in Shek Kwu Chau (1%) and Tai A Chau (2%). On the contrary, most minutes at Pui O Wan were truncated, and on average 31.87% of time was lost from each minute at this site due to the minute click being reached before the end of the minute. Inspection of a sample of truncated minutes showed that sediment transport noise had caused the click limit to be reached before the end of the minutes, which is also the main cause for the higher percentage of loss of click detections.
 - 3.2.4. Notably, boat sonar was detected throughout most of the deployment periods among the three sites. At Shek Kwu Chau and Pui O Wan, such noise was generally around 51 kHz, but at Tai A Chau, the 51kHz boat sonar noise was accompanied by a much stronger 76 kHz sonar which was classified correctly by the software.
 - 3.3. *Daily variations on occurrence of porpoises*
-

- 3.3.1. Variations in porpoise activity per day were observed among all three sites. At Shek Kwu Chau, porpoise activity remained fairly high throughout most of the deployment period, with distinct peaks on February 11th, February 19th-21st, February 27th and March 8th, with over 450 DPM per day on these dates (Figure 2).
- 3.3.2. However, it should be noted that even though porpoise activity remained at a high level with DPM over 150 per day from February 10th to March 9th, such level dropped sharply to a much lower level after March 9th, with 44 DPMs on March 10th, 92 DPMs on 11th, 8 DPMs on 12th and 4 DPMs on 13th (Figure 2). Such astonishing decline in porpoise activity at Shek Kwu Chau was consistent with the findings from the concurrent shore-based theodolite tracking under the same IWFM EM&A baseline monitoring programme, with porpoise occurrence dropped suddenly to nearly zero during the tracking sessions conducted since March 9th.
- 3.3.3. From the concurrent theodolite tracking study, it was noticed that the ground investigation works associated with IWFM construction commenced during the week of March 9th, which coincided well with the sharp decline in porpoise usage near Shek Kwu Chau. Therefore, such IWFM-related marine works could be a plausible cause for such unusual drop in porpoise activity toward the end of the PAM deployment period at Shek Kwu Chau, or there could also be other factor(s) that may have contributed the avoidance of Shek Kwu Chau since March 9th. This issue will be further examined in the shore-based theodolite tracking monitoring report with greater details.
- 3.3.4. In comparison, porpoise activity level at Tai A Chau remained very high throughout the deployment period between February 9th and March 13th, with distinct peaks on February 10th, February 19th, February 25th, February 28th-March 5th and March 9th, with over 600 DPM per day on these days (Figure 3). Apparently, there was no noticeable drop off in porpoise activity level toward the end of the 32-day deployment period at Tai A Chau. This site was not affected by the increased vessel presence near Shek Kwu Chau as the two sites were about 9 kilometres apart from each other, and therefore this is proved to be a good control site for the present monitoring study.
- 3.3.5. At Pui O Wan, there was only significant activity of porpoises during the first 13 days of the 35-day deployment period from March 14th to 26th (Figure 4). However, such activity level dropped noticeably since March 26th to a much lower level, mostly below 50 DPM per day for most days. As there was no complementary data (e.g. land-based observation data) available at this site, and the 35-day of deployment period was rather brief, the plausible factor(s) influencing such noticeable drop since late March could be not elucidated at this point.

3.4. *Diel patterns on occurrences of porpoises*

- 3.4.1. The diel patterns (i.e. 24-hour activity pattern) of finless porpoise occurrence among the three sites at Shek Kwu Chau, Tai A Chau and Pui O Wan are shown in Figures 5-7. Peaks and troughs were seen to occur at similar times at the different sites, with most DPMs detected in the middle of the night and early hours of the morning and minimum DPMs in the late morning to early afternoon (Figures 5-7).
- 3.4.2. In particular, Shek Kwu Chau showed the strongest peaks in porpoise activity level from 2am to 5am in the early morning, and the lowest activity level occurred around 4pm in the afternoon (Figure 5).
- 3.4.3. On the other hand, both Tai A Chau and Pui O Wan sites showed the strongest peaks in porpoise activities around midnight, while the minimum porpoise activity level at these sites occurred at around 9am and 11am respectively (Figures 6-7).

4. References

- Hung, S. K. 2016. Monitoring of Marine Mammals in Hong Kong waters: final report (2015-16). An unpublished report submitted to the Agriculture, Fisheries and Conservation Department, 163 pp.
- Hung, S. K. 2017. Monitoring of Marine Mammals in Hong Kong waters: final report (2016-17). An unpublished report submitted to the Agriculture, Fisheries and Conservation Department, 154 pp.

Table 1. Summary deployment data and statistics on detection of Indo-Pacific finless porpoises for IWMF EM&A baseline monitoring study

(Note: "Days": number of logged days the CPOD was on and recording; "DPD% of days": detection positive days as a percentage of logged days; DPM: detection positive minutes, minutes where at least one porpoise train was detected; "Mins on": number of minutes the CPOD was on a logging data; % Time lost: percentage of time lost because the minute click limit has been reached and no data was recorded for that minute)

SITE	POD#	Start	End	Days	DPD % of days	DPM	DPM/day	% FP DPM	% Time lost
SHEK KWU CHAU	2891	9-Feb-18	13-Mar-18	32.11	100.00%	11160	338.18	0.00%	0.01
TAI A CHAU	2868	9-Feb-18	13-Mar-18	32.50	100.00%	16089	487.55	1.00%	0.02
PUI O WAN	2891	13-Mar-18	17-Apr-18	34.85	97.30%	3645	98.51	2.00%	0.32
TOTAL				99.01		30894			



Figure 1. Three Locations for C-POD Deployments in South Lantau Waters for IWMF EM&A programme

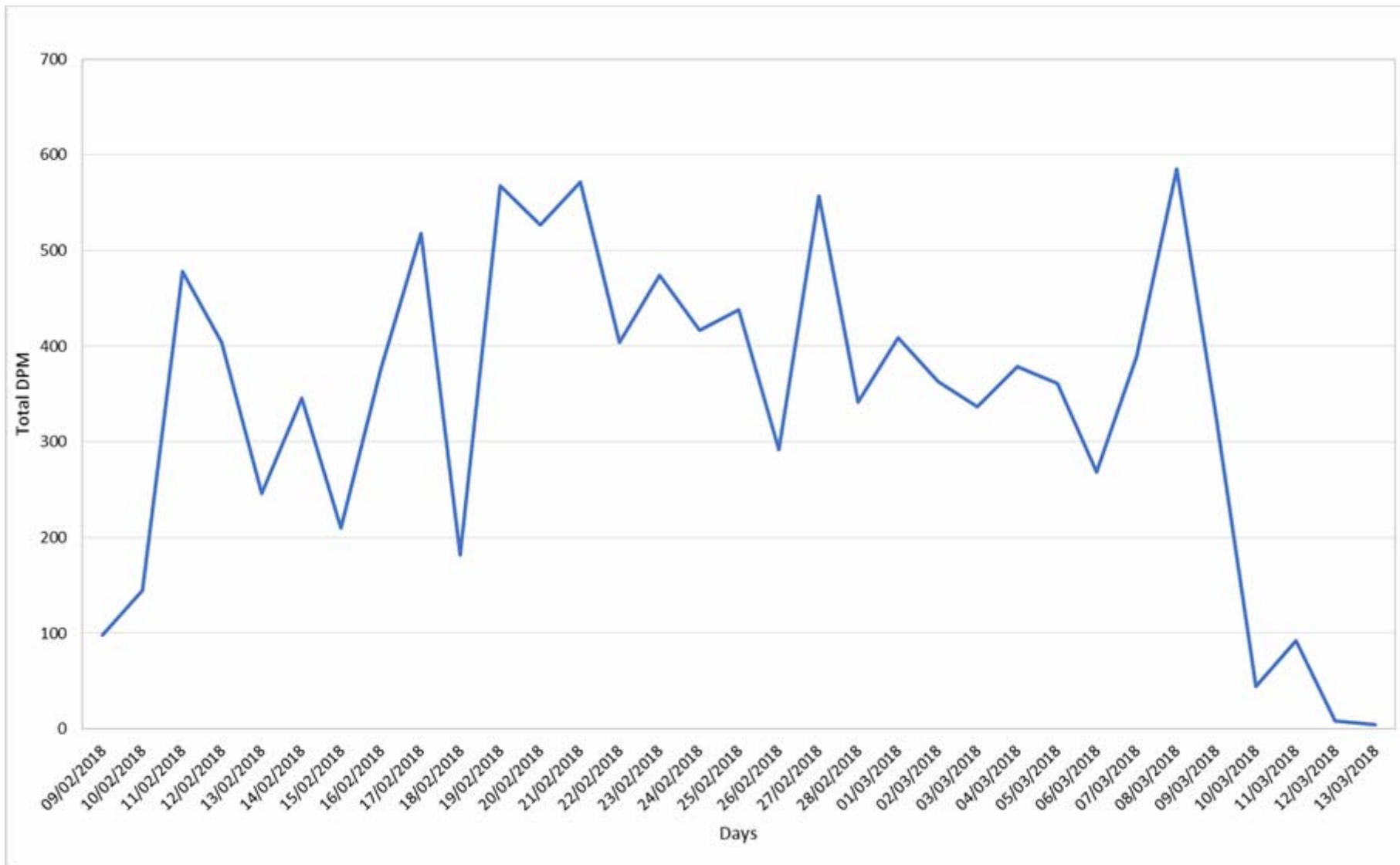


Figure 2. Total Porpoise DPM per day at **SHEK KWU CHAU** Site from February 9th to March 13th, 2018

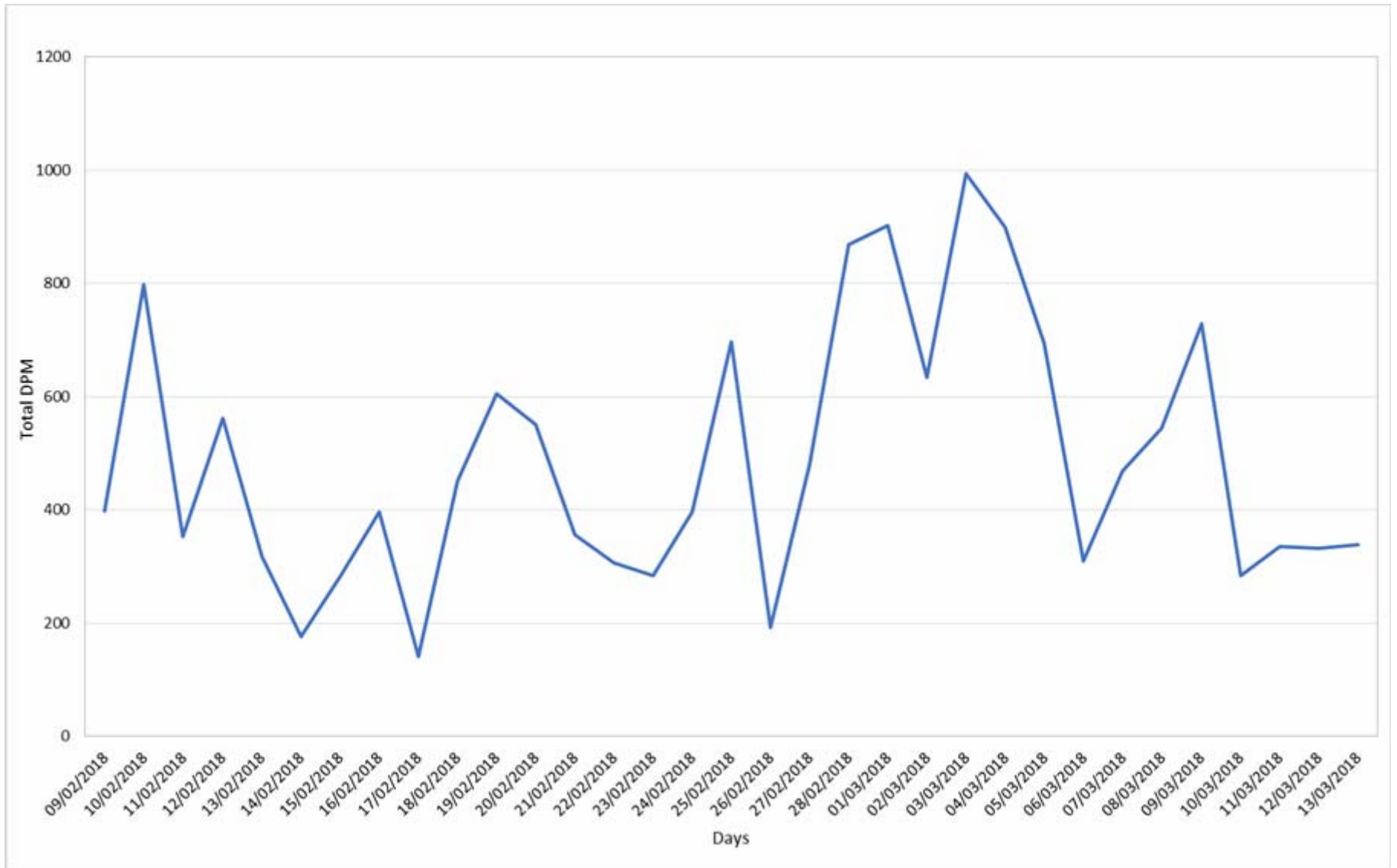


Figure 3. Total Porpoise DPM per day at **TAI A CHAU** Site from February 9th to March 13th, 2018

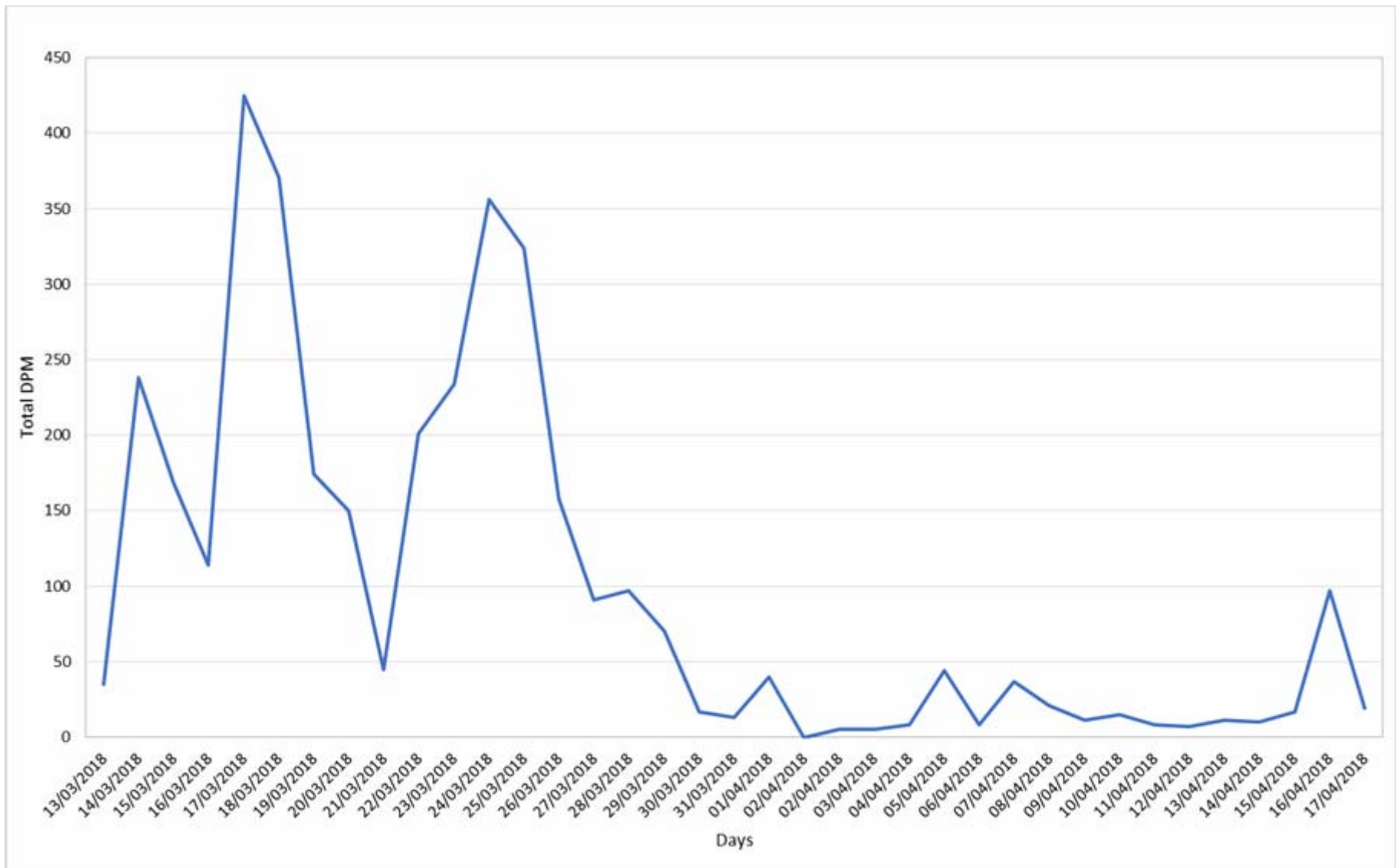


Figure 4. Total Porpoise DPM per day at **PUI O WAN** Site from March 13th to April 17th, 2018

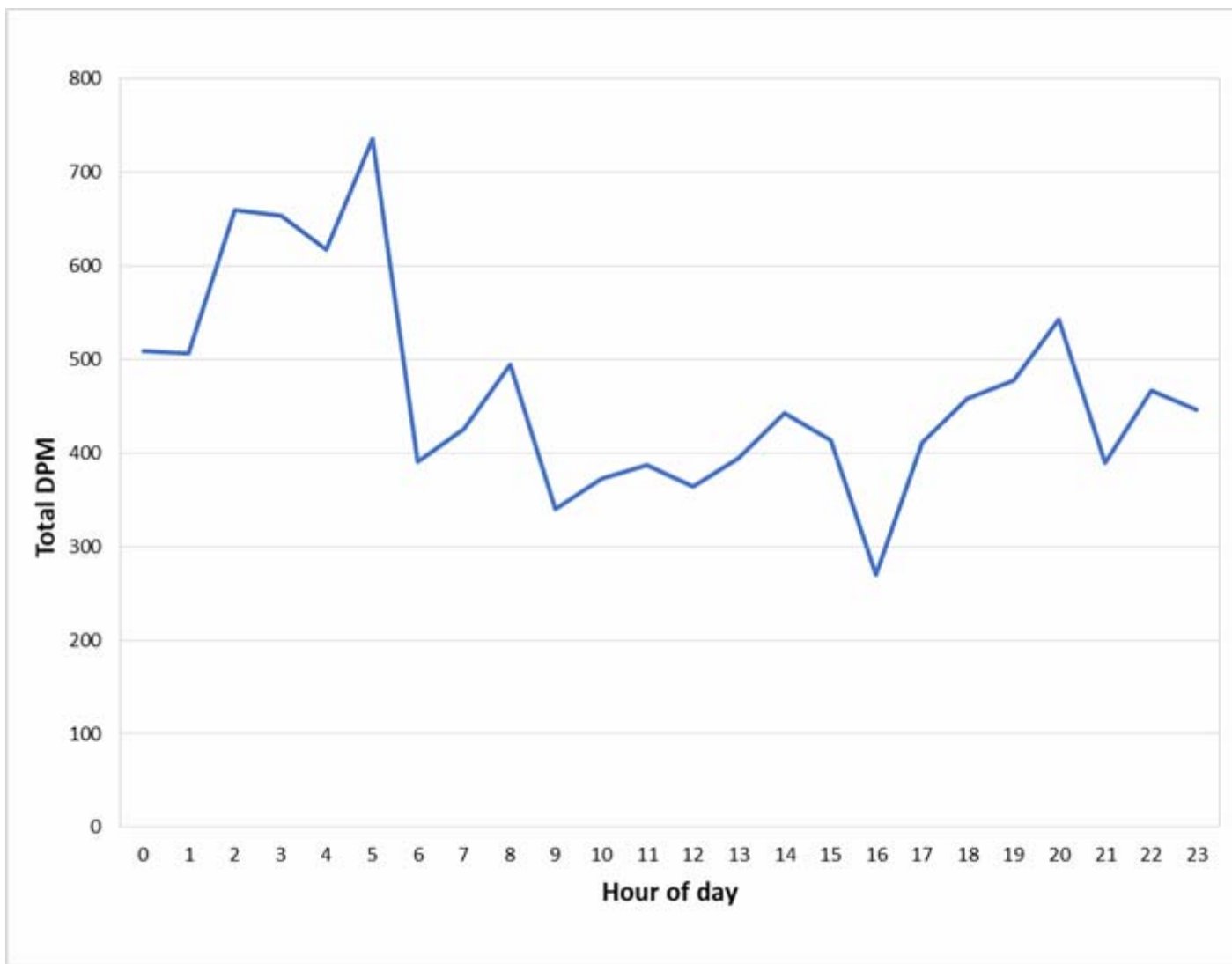


Figure 5. Porpoise DPM per hour of day at **SHEK KWU CHAU** Site from February 9th to March 13th, 2018

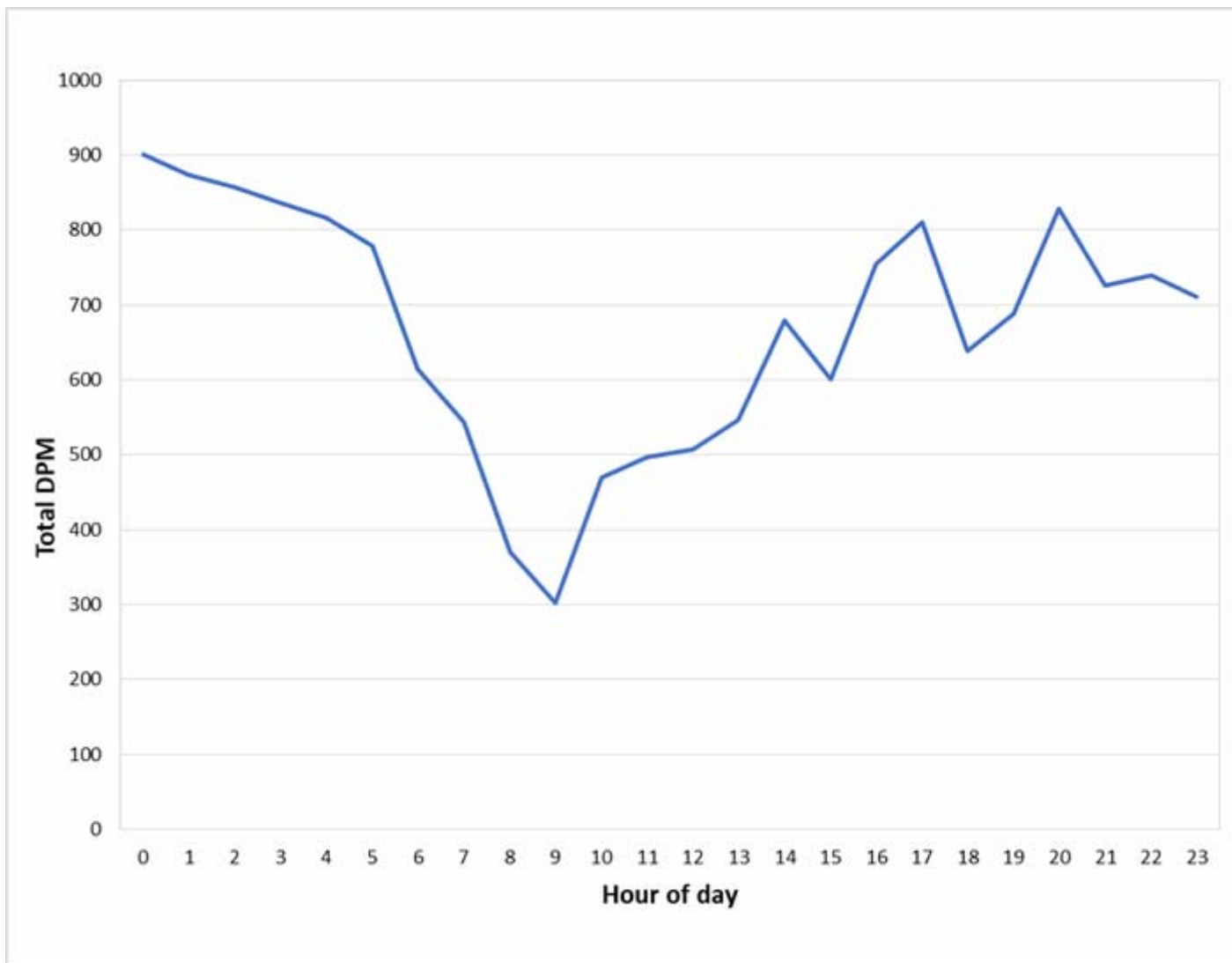


Figure 6. Porpoise DPM per hour of day at **TAI A CHAU** Site from February 9th to March 13th, 2018

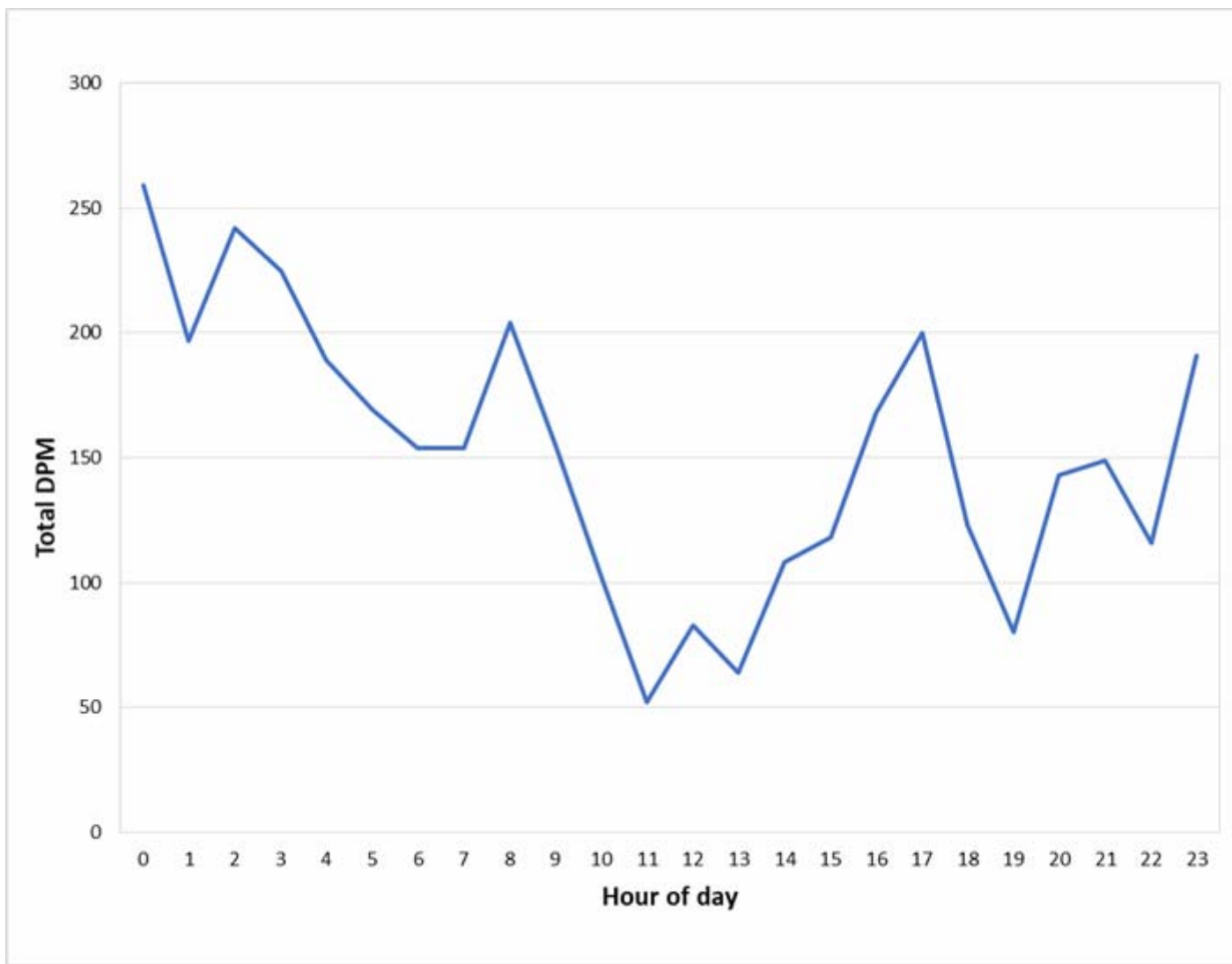


Figure 7. Porpoise DPM per hour of day at **PUI O WAN** Site from March 13th to April 17th, 2018

CONTRACT NO. EP/SP/66/12

Shore-based theodolite tracking on finless porpoises for the EM&A programme of Integrated Waste Management Facilities Project

Baseline Monitoring Report

submitted to Acuity Sustainability Consulting Limited

Submitted by

Samuel K.Y. Hung, Ph.D., Hong Kong Cetacean Research Project
& Sarah Piwetz, Ph.D., Texas A&M University

25 May 2018

1. Introduction

- 1.1. The Hong Kong SAR Government will develop the Integrated Waste Management Facilities (IWMF) Phase 1 Project with incineration to achieve substantial bulk of reduction for unavoidable Municipal Solid Waste. The IWMF will be on an artificial island to be formed by reclamation at the southwestern coast of Shek Kwu Chau. The associated Environmental Impact Assessment report was approved and an Environmental Permit was granted on January 2012.
- 1.2. The IWMF EIA report predicted that the reclamation and relevant marine works of the project will adversely affect the Indo-Pacific finless porpoise (*Neophocaena phocaenoides*) within and near the project site, as the porpoises have been frequently and consistently found between the waters of Shek Kwu Chau and Soko Islands according to the recent AFCD reports for their monitoring of marine mammals in Hong Kong waters (see Hung 2016, 2017). However, with the full and effective implementation of the proposed mitigation measures, the adverse impacts on finless porpoises are expected to be mitigated to acceptable level.
- 1.3. The Environmental Monitoring and Audit (EM&A) Manual of the EIA report recommended the marine mammal monitoring programme to assess any adverse and unacceptable impacts to the porpoises in pre-construction phase, construction phase and operation phase (one year after the completion of construction works).

- 1.4. To fulfill the requirements of the EM&A Manual, Acuity Sustainability Consulting Limited (ASCL) was appointed by the project contractor, Keppel Seghers - Zhen Hua Joint Venture as their Consultant, to be responsible for implementing the EM&A programme. In January 2018, Dr. Samuel Hung, the Director of the Hong Kong Cetacean Research Project (HKCRP), was appointed by ASCL to undertake the responsibilities for all EM&A project tasks in relation to marine mammal monitoring during the baseline and construction phases of the IWMMF project.
- 1.5. One of the EM&A tasks is to conduct 30-days of shore-based theodolite tracking during the pre-construction phase, to study the baseline occurrence, movements and behavioural patterns of finless porpoises within and near the Project Area at Shek Kwu Chau before construction begins in mid-2018. The EM&A requirement is to conduct such tracking for a total of 30 days during the peak season of porpoise occurrence (i.e. December-May).
- 1.6. This report is the baseline monitoring report for the shore-based theodolite tracking submitted to ASCL, summarizing the tracking effort and associated findings for the four-month study period from January 30th to May 14th of 2018.

2. Methodology

2.1. *Shore-based Theodolite Tracking Station at Shek Kwu Chau*

- 2.1.1. As required by the EM&A programme, the methodology of the tracking works should be similar to previous feasibility study on land-based theodolite tracking surveys conducted in 2014-17 for AFCD (e.g. Hung 2016, 2017), while the tracking station should be at the same location on Shek Kwu Chau from an unobstructed vantage point at a height over the monitoring area.
- 2.1.2. The present tracking study used the same station as in the AFCD monitoring study, which is situated at the southwest side of Shek Kwu Chau (GPS position: 22° 11.47' N and 113° 59.33' E). The station was selected based on its height above sea level (at least 20 metres), close proximity to shore, and relatively unobstructed views of the entire Project Area to the southwest of Shek Kwu Chau. The height of the Shek Kwu Chau Station established by the HKCRP team is 74.6 m high at mean low water, and only a few hundred metres to the IWMMF reclamation site, which is ideal for the purpose for the present behavioural and movement monitoring of finless porpoises.

2.2. *Shore-based Theodolite Tracking Frequency*

- 2.2.1. Thirty days of monitoring were planned during the peak months of porpoise occurrence

(i.e. December to May) for the pre-construction phase. When adverse weather conditions (e.g. heavy rain or otherwise poor visibility less than 3km, or Beaufort Sea State 4 or above) were forecast, monitoring surveys would be postponed. Approximately six hours of tracking were conducted for each day of field work. The monitoring schedule during the baseline phase is shown in Appendix I.

2.3. *Shore-based Theodolite Tracking Methodology*

- 2.3.1. The methodology of the present theodolite tracking works generally followed the ones established under the Piwetz et al. (2012) study as well as several years of AFCD long-term marine mammal monitoring programme (e.g. Hung 2016, 2017).
- 2.3.2. On each survey day, observers searched systematically throughout the study area from the Shek Kwu Chau Station for finless porpoises using the unaided eye and 7 x 50 handheld binoculars. A theodolite tracking session was initiated when an individual or group of porpoises was located, and focal follow methods were adopted to track the porpoise movement.
- 2.3.3. Within a group, a focal individual was selected for the purposes of tracking the behaviour and movement of the group, based on its distinctive feature such as colouration or severe injury mark. The focal individual was then tracked continuously via the theodolite, with positions recorded whenever the porpoise surfaced. If an individual could not be positively distinguished from other members, the group would be tracked by recording positions based on a central point within the group when the porpoises surfaced.
- 2.3.4. Tracking would continue until animals were lost from view, moved beyond the range of reliable visibility (>5 km), or when environmental conditions obstructed visibility (e.g. intense haze, high sea state).
- 2.3.5. Behavioural state data were also recorded every 5 minutes for the focal individual or group. This interval was long enough to allow for determination of the behavioural state, and short enough to capture behavioural responses to nearby activities (e.g. transiting vessels). Moreover, when multiple groups or individuals were present in the study area, attempts would be made to record the behaviours of all groups or individuals every 10 minutes, with spotters assisting in determining behaviour of the porpoises.
- 2.3.6. Positions of porpoises and boat activities were measured using a Sokkisha DT5 digital theodolite with ± 5 -sec precision and 30-power magnification connected to a laptop computer running the program *Pythagoras* Version 1.2 (Gailey and Ortega-Ortiz 2002). This program calculates a real-time conversion of horizontal and vertical angles collected

by the theodolite into geographic positions of latitude and longitude each time a fix is initiated. *Pythagoras* also displays positions, movements, and distances in real-time. When possible, the position of the focal porpoise was recorded at every surfacing with use of *Pythagoras*.

2.3.7. As the presence of vessels may have an effect on the behaviour and movement patterns of porpoises, the position, type, and activity of all vessels within 5 kilometres of the focal individual were also recorded. An effort was made to obtain at least several positions for each vessel, and additional positions were acquired when vessels changed course or speed. Special attention would also be made to vessels and their associated activities that were related to the IWMF pre-construction works (including any ground investigation and site preparation works).

2.4. *Data Analyses*

2.4.1. Porpoise focal follow data were filtered to include only tracks with greater than 2 positional fixes and 10 minutes or greater in duration. If two consecutive porpoise positional fixes were more than 10 minutes apart, they were considered as two separate focal groups and analyzed independently.

2.4.2. Porpoise focal follows varied in total duration. In order to standardize data, each porpoise track was sub-sampled in 1-minute intervals and grouped into 10-minute segments. The 10-minute timeframe has been statistically validated for theodolite tracking analyses of odontocetes (Lundquist et al. 2012), and such a logical bound is also described in Turchin (1998). A spatial autocorrelation test was run to determine the temporal lag at which two 10-minute segments from the same focal group were no longer autocorrelated.

2.4.3. These standardised data were used to analyze group size, behaviour, and movement patterns. Porpoise response variables that were calculated for each 10-minute segment included mean swimming speed, reorientation rate, and linearity.

2.4.4. Mean swimming speed is calculated by dividing the distance traveled by the duration between two consecutive positions (Gailey et al. 2007). Reorientation rate is the degrees per minute of change in direction of a tracked individual or group of porpoises. Linearity is an index of net movement ranging from 0 to 1, with 0 equating to no net movement and 1 equating to straight line movement. Linearity is calculated by taking the net distance between the first and last fix of a track and dividing by the sum of distances traveled for each leg.

- 2.4.5. In order to evaluate variation in porpoise response variables in the presence of vessels, it was necessary to establish a distance threshold. The 100 metre distance selected for this analysis has been established in other odontocete literature involving effects of human activity (Constantine 2001; Williams and Ashe 2007).
- 2.4.6. The diurnal pattern of porpoises observed off Shek Kwu Chau was calculated by dividing the total tracking time of all porpoise groups (prior to filtering for standardized segments as described above) by the total effort per hour block.
- 2.4.7. Univariate and multivariate statistical analyses were conducted, including a Chi-square contingency test to assess nominal categorical data (i.e. behavioural states), Freeman-Tukey Deviate (FTD) post hoc test to assess which factors occurred more or less frequently than expected by chance, and generalized additive models (GAMs) to evaluate continuous numerical data (i.e. movement patterns).
- 2.4.8. The FTD z score decision rule was based on the critical value 0.95. The generalized additive model (GAM) framework was applied to relate quantitative porpoise movement patterns (swimming speed, reorientation rate, linearity) to natural (time of day, group size, and behaviour) and anthropogenic (vessel presence) candidate explanatory variables. Models were run using the multiple generalized cross-validation (mgcv) package in program R (Wood 2006) which is appropriate for detecting trends in complex data that are multivariate and nonlinear (Hastie and Tibshirani 1986).
- 2.4.9. Generalized additive models incorporate smoothing terms, fitting data locally rather than globally (Quinn and Keough 2002), with a penalty for excessive flexibility (Wood 2006). Flexibility was determined by the number of knots for each smooth term. The default value of 10 knots, set by package mgcv, was used unless there were fewer than 10 categories per parameter, in which case the knot value was reduced. These models evaluate candidate explanatory variables simultaneously, reducing problems associated with many step-wise techniques. Model selection was based on $= \text{adj-R}^2$ (high), GCV (low), and deviance explained.
- 2.4.10. Data were tested for normality and transformed when residuals were not normally distributed. In order to reduce pseudo-replication, analysis was run to determine the temporal lag at which two segments from the same focal group were no longer auto-correlated.

3. Results

3.1. *Summary of Theodolite Tracking Effort and Vessel Presence*

- 3.1.1. A total of 179 hours and 59 minutes were spent during the 30 days of pre-construction phase tracking effort from January 30th through May 14th, 2018.
- 3.1.2. No Chinese White Dolphin was tracked from the Shek Kwu Chau station during the 30 days of monitoring, and therefore this species would not be further discussed for the rest of the report. On the other hand, finless porpoises were successfully tracked on 17 of 30 days of effort. In total, 95 porpoise groups were tracked for 20.07 hours (Table 1; Figure 1).
- 3.1.3. After the raw data were filtered as described in the methodology section, 59 ten-minute standardized segments were extracted to analyze group size (Section 3.2), movement patterns (Section 3.3) and behavioural states (Section 3.4) of finless porpoises. However, it should be cautioned that the data sample size for baseline evaluation on porpoise movement and behaviour was fairly small, as over 90% of the porpoise groups were sighted during the first 11 days of the 30-day study period, while very few of them were tracked since March 9th (Table 1). This issue of a small sample size of theodolite tracking data collected from a relatively short period of time (mostly from 11 sessions between January 30th and March 1st in 2018) should be noted with caution when interpreting the movement and behavioural data of the finless porpoises in the study area.
- 3.1.3. A total of 543 vessels of 10 different types were observed and tracked within or in the proximity of the study area (Table 2). They were categorized further into three main types: 1) fishing boats (n=140), which included gill-netters, hand-liners, purse-seiners and trawlers; 2) IWMMF-related boats that were involved in the ground investigation works (n=112), which included construction platforms, tug boats, transportation boats and construction boats; and 3) other vessel types (n=286), which included container boats, speed boats, government boats, research vessels and high-speed ferries. In addition to the IWMMF-related boats, about 10 buoys were anchored within the study area since March 9th, which were also associated with the ground investigation works, and their positions were fixed once during each of the theodolite tracking sessions (see Appendix II).
- 3.1.4. Among the different vessel types, the container boats were almost always traveling (>99% of observations), passing through the study area very briefly, moved further away from the area where most porpoise activities occurred (Figure 2; Appendix III). On the contrary, both fishing boats and speed boats had higher intensity of movements in the inshore waters of Shek Kwu Chau, which overlapped extensively with the main area of

porpoise occurrence, but both types of boats also traveled frequently within a few kilometres from Shek Kwu Chau theodolite tracking station (Figure 2).

3.1.5. On the other hand, the IWMF-related boats (i.e. construction platforms, tug boats, transportation boats and construction boats) were mostly situated in the inshore waters of Shek Kwu Chau which overlapped extensively with the main area of porpoise occurrences, with only 5.6% of their total fix positions that were beyond one kilometre from the tracking station (Figure 2; Appendix III). Moreover, these boats only occurred since the March 9th tracking session (Table 2), and most of them (especially the construction platforms) were present during the entire time of the six-hour observation in each tracking session (Appendix III).

3.2. *Occurrence of finless porpoises*

3.2.1. The theodolite tracking effort was mostly conducted between the hours of 0900 and 1600, with sightings of porpoises relatively consistent across daylight hours. Porpoise sightings peaked at mid-day (within the 1100 and 1200 hour blocks) and again during the afternoon (1500 hour block). The highest percentage of porpoise group tracking time per hour of effort was during the 1200 hour block (15%; Figure 3).

3.2.2. The daily number of porpoise groups that were observed and tracked from shore was calculated for each of the 30 tracking sessions (Figure 4). During the first eleven tracking sessions between January 30th and March 1st, porpoises were frequently observed daily (with the exception of only one group being tracked on February 13th), and on four days more than ten groups were tracked (Figure 4).

3.2.3. However, since the tracking session conducted on March 9th, or the 12th session of the study period, porpoise sightings dropped abruptly to nearly zero, with only 1-2 groups tracked from the 12th to 15th sessions (i.e. from March 9th to 15th), and another two groups tracked respectively on April 13th and May 14th (Figure 4). Moreover, the small number of porpoise groups tracked since March 9th were very elusive with only a few surfacings and difficult to be tracked, and were mainly located further away from the inshore waters of Shek Kwu Chau where the majority of the porpoise activities occurred during the first eleven sessions of theodolite tracking (Appendix II).

3.2.4. Further in-depth investigation was taken to elucidate the reasons behind the sharp decline in porpoise occurrences since the second week of March. Between the two periods, the average daily number of porpoise groups tracked were 8 groups per day (or 1.34 groups per hour) during the 11 tracking sessions between January 30th and March 1st, and 0.37 groups per day (or 0.06 groups per hour) during the 19 tracking session between March

9th and May 14th.

- 3.2.5. In comparison, for the average daily number of vessels being tracked before and after March 9th, it was fairly similar for fishing boats (5.20 vs. 5.17 between the two periods), speed boats (2.09 vs. 1.83) and government boats (1.38 vs. 1.30). Even though there were more container boats after March 9th (7.9 per day) than before (4.5 per day), the majority of them were sighted at least a kilometer away from the Shek Kwu Chau theodolite tracking station (Figure 2), which rarely overlapped with the inshore waters of the island where porpoises were most active before March 9th.
- 3.2.6. On the other hand, there was a considerable increase in number of boats since March 9th that are related with the ground investigation works in associated with the IWWMF construction, including several construction platforms, tug boats and transportation boats and construction boats (Table 2). They did not occur in the study area at all during the first eleven tracking sessions, but were present on all days since March 9th, with an average of two construction platforms per day (with the exception of one platform on March 9th), 1.5 tug boats per day, 2.5 transportation boats per day, and a few constructions boats on April 18th, 25th and 30th (Table 2). Moreover, these works boats were mostly present throughout the six-hour observation period in each tracking session (Appendix III), and were situated in the inshore waters of Shek Kwu Chau which overlapped with the area of main occurrences of porpoises before March 9th (Appendix II; Figure 2).
- 3.2.7. As mentioned above, about 10 stationary buoys were present on each tracking session since March 9th (Table 2; Appendix III), which presumably marked the perimeter of the work area for the site preparation works. Almost all porpoise groups sighted and tracked after March 9th were at the perimeter or outside of this work area (Appendix II).
- 3.2.8. With the marked increase in vessel presence and activities associated with the IWWMF site preparation works in the inshore waters of Shek Kwu Chau since March 9th, it provided a plausible explanation for the near absence of porpoises from the same area at the same time. The porpoises could have been disturbed by either the presence of stationary construction platforms, the associated vessel movements (e.g. tug boats, transportation boats, slow movement of construction platforms within the study area), the sound produced during the ground investigation from the platforms, or all of the above.
- 3.2.9. As it is possible that the observed near absence of porpoises near Shek Kwu Chau could also be related to seasonal variation of their occurrence, the theodolite tracking data by AFCD marine mammal monitoring programme in 2014-17 (from Appendix V of 2016-17 AFCD monitoring report produced by Hong Kong Research Project (Hung 2017)) were

examined in details.

- 3.2.10. From April 2014 to March 2017, 18 theodolite tracking sessions were conducted during the months of November to May at Shek Kwu Chau (Hung 2017). Porpoise encounter rates (number of porpoise groups tracked per hour) were fairly low in November, December and January, but increased to a higher level in February and March, before a progressive decline in April and May (Figure 5).
- 3.2.11. In comparison with the theodolite tracking data collected in 2018 under the present study and the AFCD data in 2014-17, the data collected from January 30th to March 1st in 2018 (1.34 porpoise groups tracked per hour) showed similar level of porpoise occurrence to the February data in 2014-17 (1.52). However, the porpoise encounter rate in March (0.10), April (0.02) and May (0.04) in 2018 were only tiny fractions to the respective months in March (0.96), April (0.50) and May (0.37) in 2014-17. Therefore, it is obvious that the monthly variation in porpoise occurrence near Shek Kwu Chau in 2014-17 could not explain the dramatic decline since March 9th in 2018 as observed in the present study.
- 3.2.12. In summary, it is apparent that the ground investigation works have caused significant disturbance to the porpoises and affect their usage of the important habitat near Shek Kwu Chau during the baseline monitoring period, as there are no other plausible explanation for their near absence since March 9th.
- 3.2.13. As the ground investigation works have not been viewed as construction activities during the environmental impact assessment process, such works are routinely allowed during the pre-construction (i.e. baseline) phase, and the associated impact is not required to be evaluated. However, due to the sensitive nature of finless porpoises, the potential disturbance from such works should be properly evaluated in the future, and it is highly recommended to conduct any baseline monitoring surveys before the commencement of any ground investigation activities in similar scale to the IWMF project.
- 3.3. *Group sizes of finless porpoises*
- 3.3.1. The mean group size of porpoises, based on standardised segments, was 4.65 ± 3.54 ranging from singles to a maximum group size of 20. Most of the porpoises that were tracked were in small groupings, either in single (17%) or dyads (17%), with sightings steadily decreasing as group size increased (Figure 6).
- 3.3.2. Notably, smaller groups were most often observed close to shore (Figure 7). However, this trend may reflect a sighting bias wherein single individuals may be more difficult to

locate farther from the tracking station.

3.4. *Movement patterns of finless porpoises*

- 3.4.1. Sample sizes were unequal and all response variables met assumptions of normal distribution except for linearity (Empirical Logit transformation was applied to approximate normal distribution). No issues with multicollinearity were detected. To identify autocorrelation, mixed-effect modelling was run using the lme function (package nlme) in program R, but the results showed no significant autocorrelation.

Swimming Speed

- 3.4.2. For swimming speed of porpoises, the best fitting GAM included two smoothing terms and two linear terms from the four candidate explanatory variables:

$$(Speed) \sim s(GrpSize) + s(TimeOfDay) + BehavState + BoatPresence$$

- 3.4.3. The model described significant variation in swimming speed explaining 48% of the deviance (adj-R2=0.322, GCV=0.807, n=59). At the alpha 0.05 level, group size was associated with significantly higher swimming speed, with speed generally increasing as group size increased.
- 3.4.4. Milling behaviour was associated with significantly slower swimming speed than traveling. Time of day and boat presence had no significant effect on swimming speed (Figure 8).

Reorientation Rate

- 3.4.5. The best fitting GAM for reorientation rate included two linear terms from the four candidate explanatory variables:

$$(Reorientation Rate) \sim BehavState + BoatPresence$$

- 3.4.6. The model described significant variation in reorientation rate explaining 19% of the deviance (adj-R2=0.129, GCV=330.54, n=59).
- 3.4.7. At the alpha 0.05 level, foraging and milling behaviour were associated with significantly higher reorientation rate than traveling. Boat presence was associated with significantly reduced reorientation rate (Figure 9).

Linearity

- 3.4.8. The best fitting GAM for linearity included two linear terms from the four candidate explanatory variables:

(Linearity) ~ BehavState + BoatPresence

- 3.4.9. The model described significant variation in linearity explaining 12% of the deviance (adj-R2=0.057, GCV=1.974, n=59).
- 3.4.10. At the alpha 0.05 level, milling behaviour was associated with significantly reduced linearity than traveling. Boat presence had no significant effect on linearity (Figure 10).
- 3.4.11. In summary for the porpoise movement patterns, their swimming speed varied significantly based on natural factors, increasing with group size and decreasing in association with milling behaviour (compared to traveling behaviour).
- 3.4.12. Reorientation rate and linearity varied significantly based on behavioural state. Foraging and milling were associated with higher reorientation rate than traveling, and milling was associated with significantly reduced linearity than traveling. Reorientation rate was also significantly reduced in the presence of boats.
- 3.5. *Behavioural states of finless porpoises*
- 3.5.1. Observed porpoise behavioural states varied significantly from values expected by chance (Chi-square test, $\chi^2=665.61$, n=649 for 59 standardized tracks with 11 data points each, df=0, P<0.001).
- 3.5.2. Milling (67%, n=434) was observed more than expected by chance, and foraging (22%, n=143), traveling (10%, n=66) and socializing (1%, n=6) were observed less than expected by chance (Figure 11).

4. References

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Table 1. Summary Table for Shore-based Theodolite Tracking at Shek Kwu Chau Station during IWMF Baseline Monitoring Period (January-May 2018)

Date	Start Time	End Time	Duration	Beaufort	Visibility	No. of FP Groups	Total No. of Fixes	No. of fix (FP)	No. of fix (fishing boat)	No. of fix (HSF)	No. of fix (others)
30/01/18	9:13	15:00	5:47	2	2	17	261	229	0	0	31
02/02/18	10:17	16:00	5:43	2	2.5	11	216	113	58	4	40
06/02/18	9:20	15:24	6:04	2-5	1.5	8	199	102	62	0	33
07/02/18	9:07	15:22	6:15	2-3	2	7	137	73	46	0	16
13/02/18	9:39	15:39	6:00	2-4	2.5	1	101	14	70	0	15
14/02/18	9:31	15:31	6:00	2-3	2	4	124	18	94	0	11
21/02/18	9:44	15:44	6:00	2-3	2.5	11	207	152	29	0	25
23/02/18	9:44	15:48	6:04	2	1	9	248	219	10	0	18
27/02/18	9:41	15:41	6:00	2	1.5	3	167	33	95	0	37
28/02/18	9:44	15:44	6:00	2	2.5	7	261	167	14	0	79
01/03/18	9:50	15:48	5:58	1-2	3-4	10	273	265	4	0	2
09/03/18	9:38	15:40	6:02	2-4	1.5	1	102	8	8	0	84
13/03/18	9:32	15:34	6:02	2	2.5	1	201	7	45	0	134
14/03/18	9:33	15:33	6:00	2	2	2	178	32	20	0	124
15/03/18	9:33	15:33	6:00	1-2	3	1	134	3	27	0	89
21/03/18	9:30	15:30	6:00	2	1.5	0	162	0	45	0	116
22/03/18	9:18	15:18	6:00	2-3	2	0	173	0	47	0	125
28/03/18	9:39	15:39	6:00	2-4	2.5	0	156	0	43	0	113
29/03/18	9:28	15:29	6:01	2-3	2.5	0	145	0	31	0	113
11/04/18	9:43	15:43	6:00	2	2	0	117	0	6	0	109
13/04/18	9:16	15:16	6:00	2	2	1	128	1	21	3	101
18/04/18	9:32	15:32	6:00	2-3	2.5	0	104	0	0	0	101
20/04/18	9:46	15:46	6:00	3	2.5	0	117	0	10	0	104
25/04/18	9:48	15:46	5:58	2-3	3	0	98	0	3	0	93
27/04/18	9:29	15:30	6:01	2	2	0	125	0	14	0	109
30/04/18	9:42	15:44	6:02	2	2	0	87	0	6	0	79
02/05/18	9:27	15:29	6:02	1-2	1.5	0	133	0	16	0	114
03/05/18	9:44	15:44	6:00	2-3	2	0	120	0	0	0	117
11/05/18	9:43	15:43	6:00	3	2.5	0	169	0	24	0	144
14/05/18	9:31	15:31	6:00	2-3	1.5	1	114	8	19	3	83

Table 2. Number of porpoise groups and different types of vessels tracked during IWMF Baseline Monitoring Period

Date	FP Group	Fishing Boat	Speed Boat	Container Boat	Govt Boat	Research Vessel	Hi-speed Ferry	<i>IWMF-Related</i>				
								Construction Platform	Tug Boat	Transportation Boat	Construction Boat	Buoy
30/01/18	17		2	7	3							
02/02/18	11	4	7	6	1		2					
06/02/18	8	4	1	7	1	1						
07/02/18	7	7	1	3		1						
13/02/18	1	4	2	2	1							
14/02/18	4	5	1	1	1							
21/02/18	11	8	1	4	1	1						
23/02/18	9	5	1	3	1							
27/02/18	3	9	2	8								
28/02/18	7	4	4	4	2	1						
01/03/18	10	2	1									
09/03/18	1	3	1	9				1	3			10
13/03/18	1	12	1	2	1	1		2	2	7		10
14/03/18	2	6	2	7	1			2	1	1		17
15/03/18	1	9	8	4	2			2	1	4		10
21/03/18	0	9	1	8	1			2	1	3		10
22/03/18	0	7	1	7				2	3	1		10
28/03/18	0	4	1	7	2			2	2	1		10
29/03/18	0	8		2				2				10
11/04/18	0	2	6	13				2	1			10
13/04/18	1	3	1	7	1		1	2	2	3		10
18/04/18	0		1	8	1			2	2	4	1	10
20/04/18	0	3	1	8				2	1	2		10
25/04/18	0	1	1	8	1			2	1	3	2	10
27/04/18	0	2	1	11	2			2	1	3		10
30/04/18	0	2	2	9		1		2	1	2	2	10
02/05/18	0	6	1	10		1		2	1	6		10
03/05/18	0		1	11				2	2	2		10
11/05/18	0	6	1	10				2	2	3		10
14/05/18	1	5	2	9	1		1	2	1	2		10

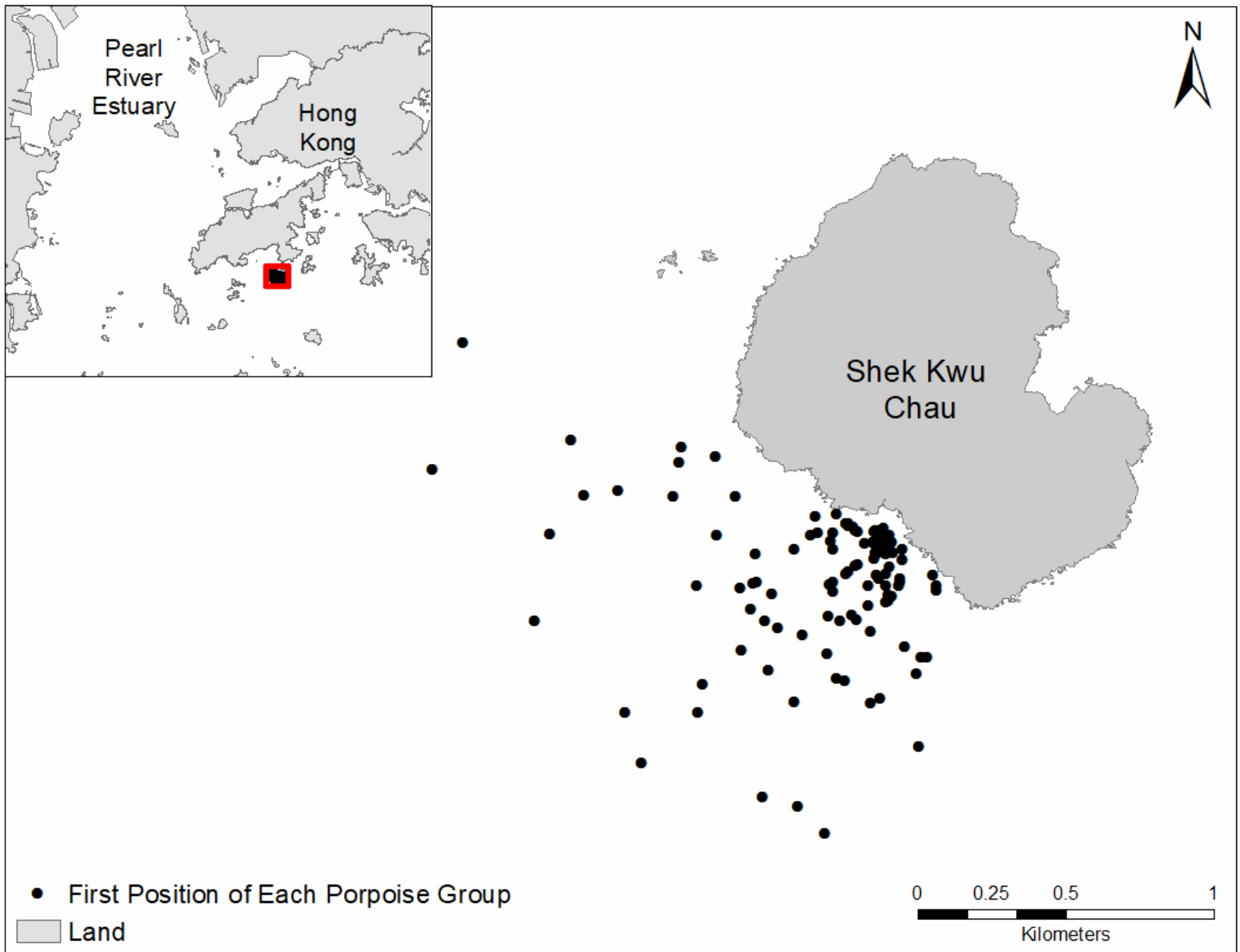


Figure 1. Plots of first sightings of all porpoise groups (prior to filtering out standardised segments) obtained from land-based station at Shek Kwu Chau during baseline monitoring theodolite tracking surveys in 2018.

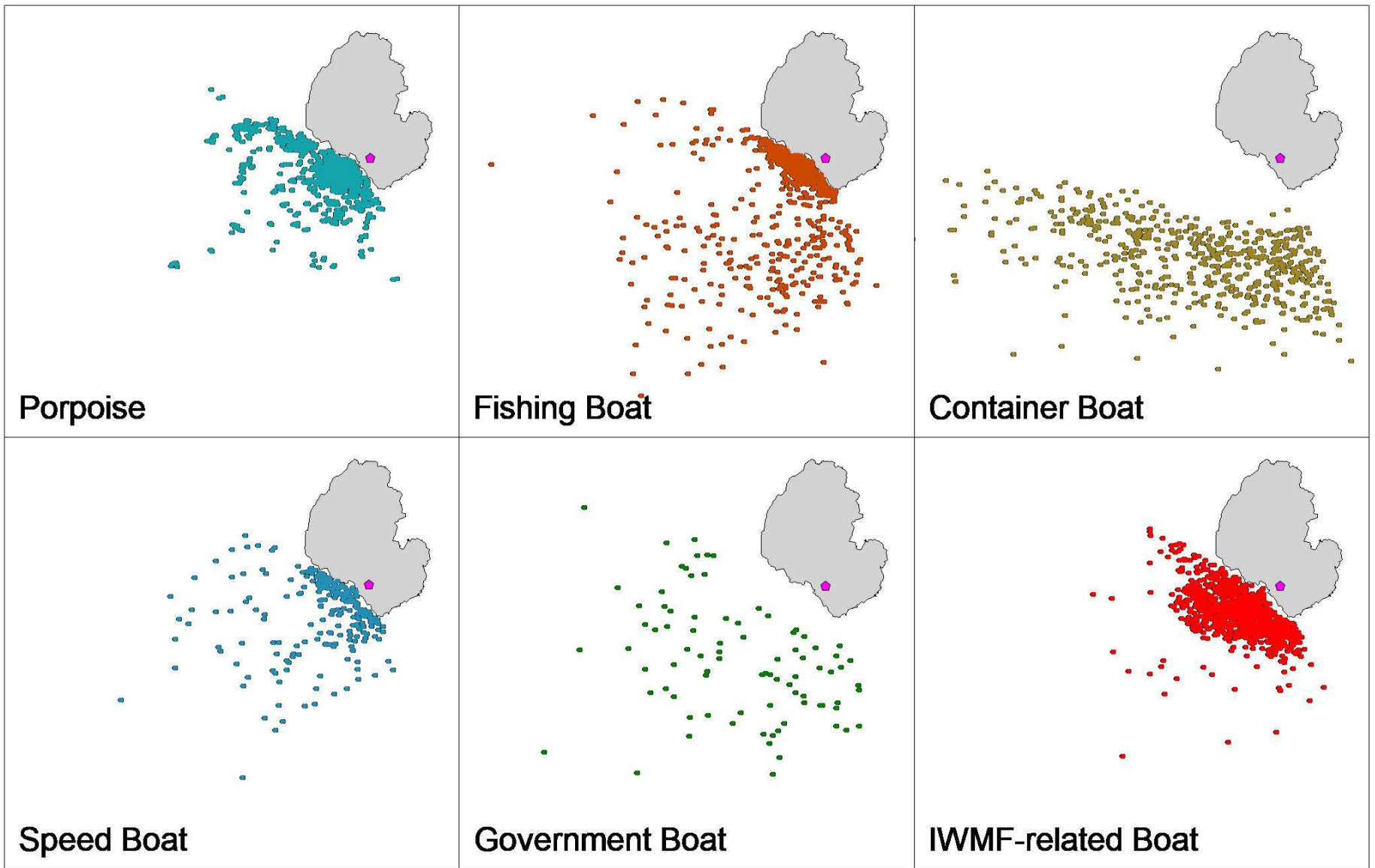


Figure 2. Plots of all fixed positions of finless porpoises and different boat types obtained from land-based station at Shek Kwu Chau during baseline monitoring theodolite tracking surveys in 2018.

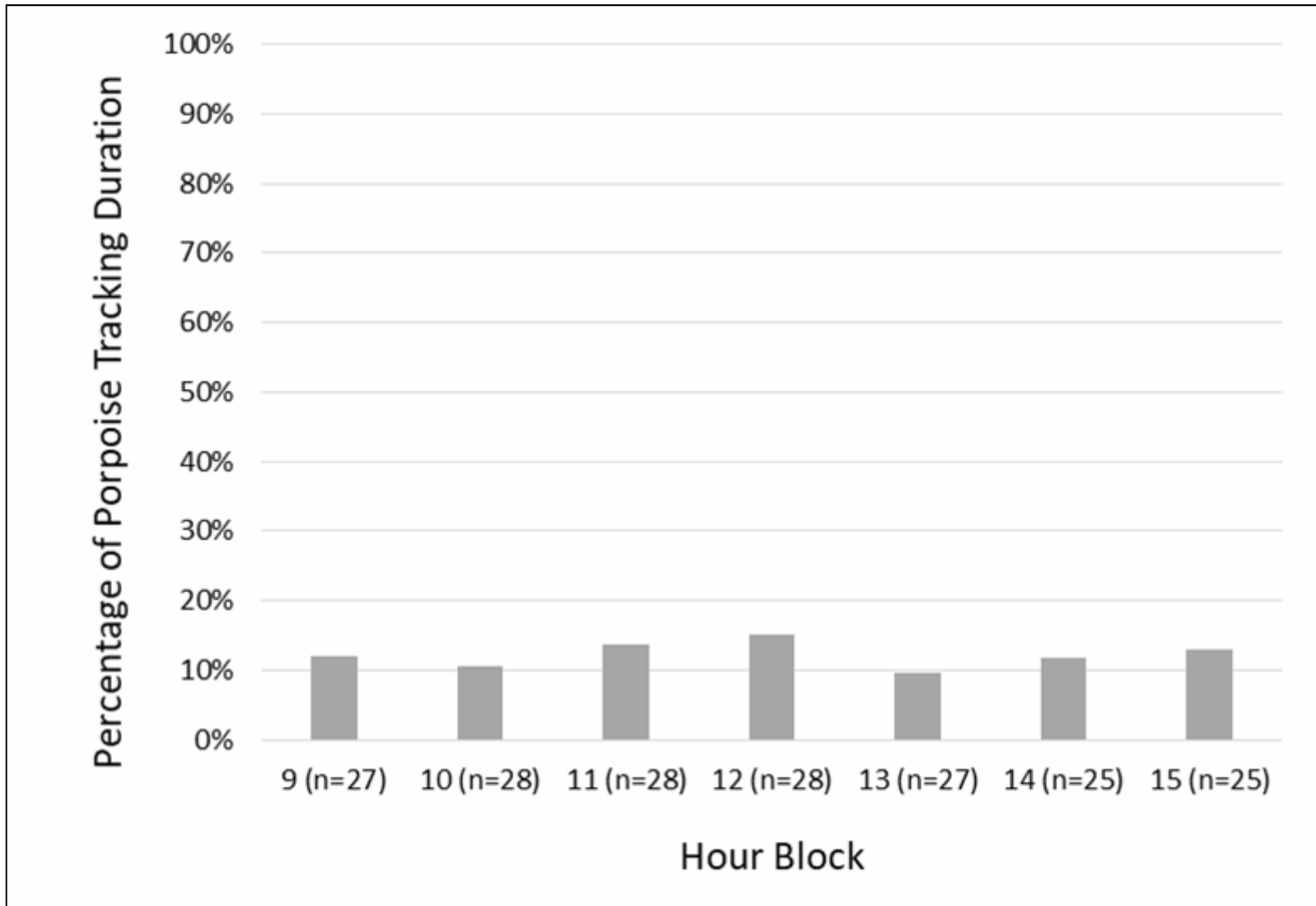


Figure 3. Percentage of porpoise group tracking duration, per total effort time, based on time of day (prior to filtering out standardised segments). Time indicates the hour block during which porpoise groups were tracked. The "n" in parentheses represents the number of days that survey effort was carried out during the associated hour block.

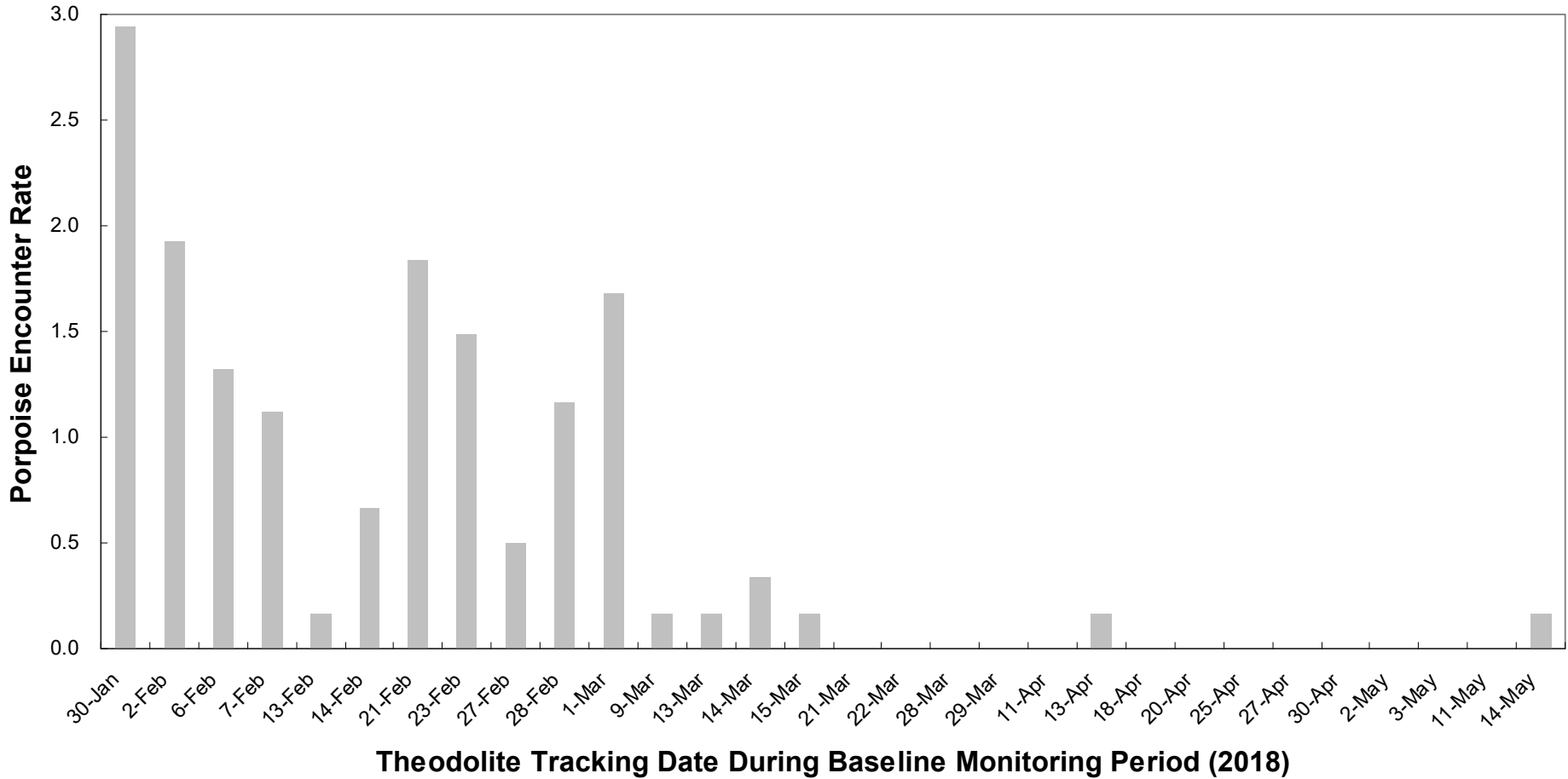


Figure 4. Porpoise encounter rate (i.e. number of porpoise groups tracked per hour) on each of the 30 survey days during the baseline shore-based theodolite tracking (2018)

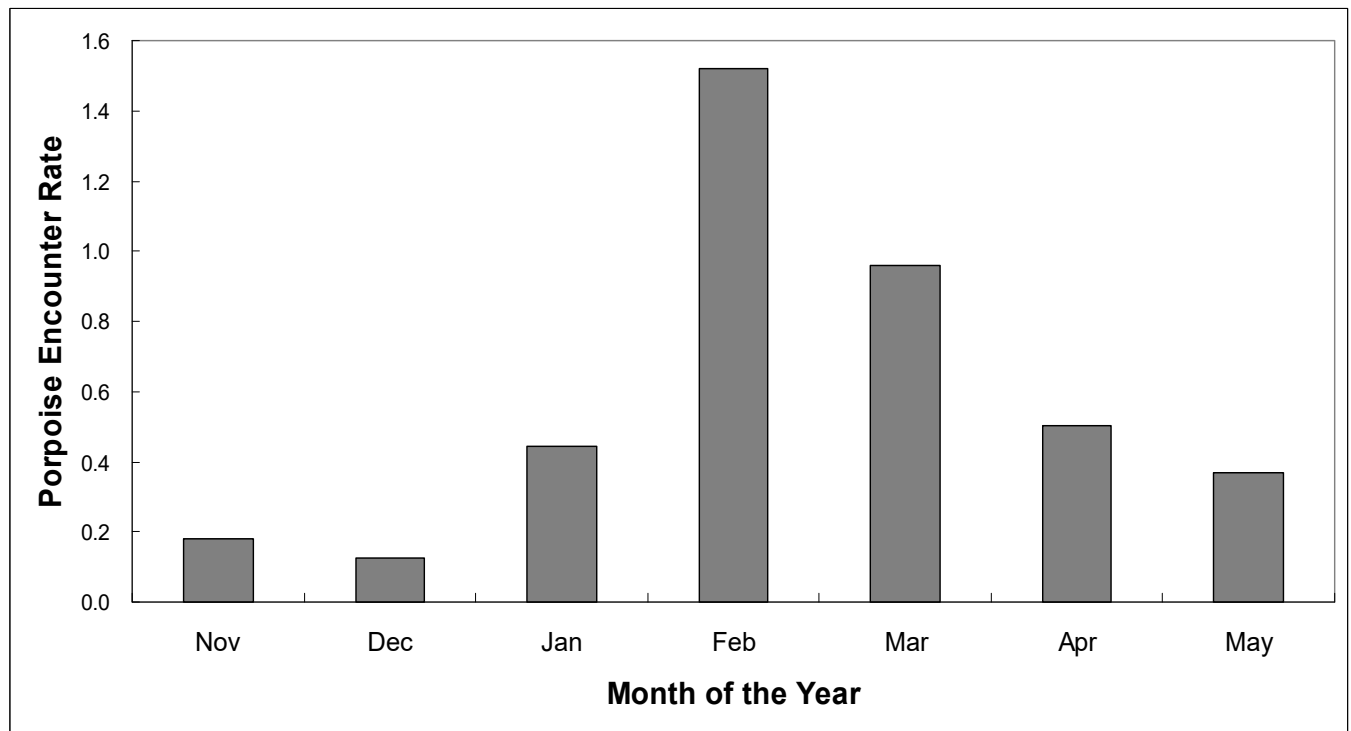
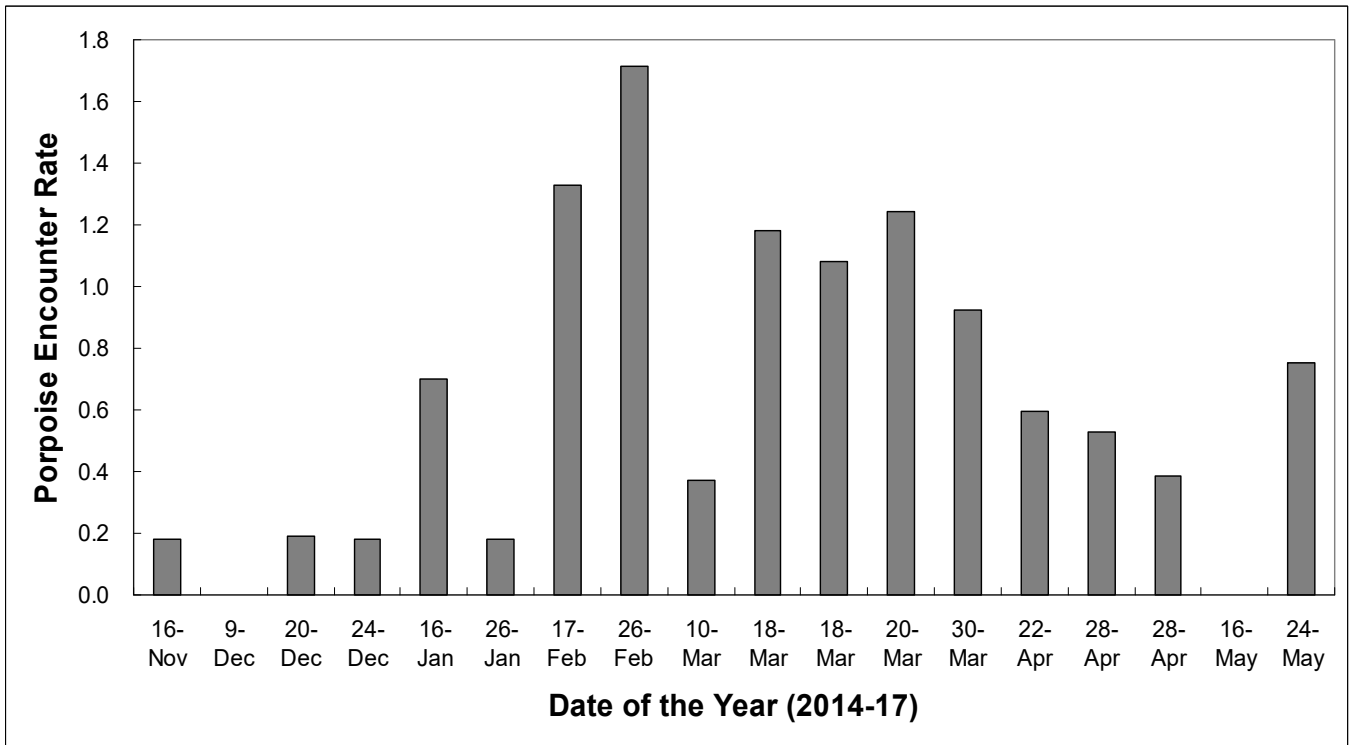


Figure 5. Porpoise encounter rate (i.e. number of porpoise groups tracked per hour) during different dates of the year (top) and different months of the year (bottom) in 2014-17 from shore-based theodolite tracking at Shek Kwu Chau as part of AFCD marine mammal monitoring programme (information extracted from Appendix V in Hung (2017))

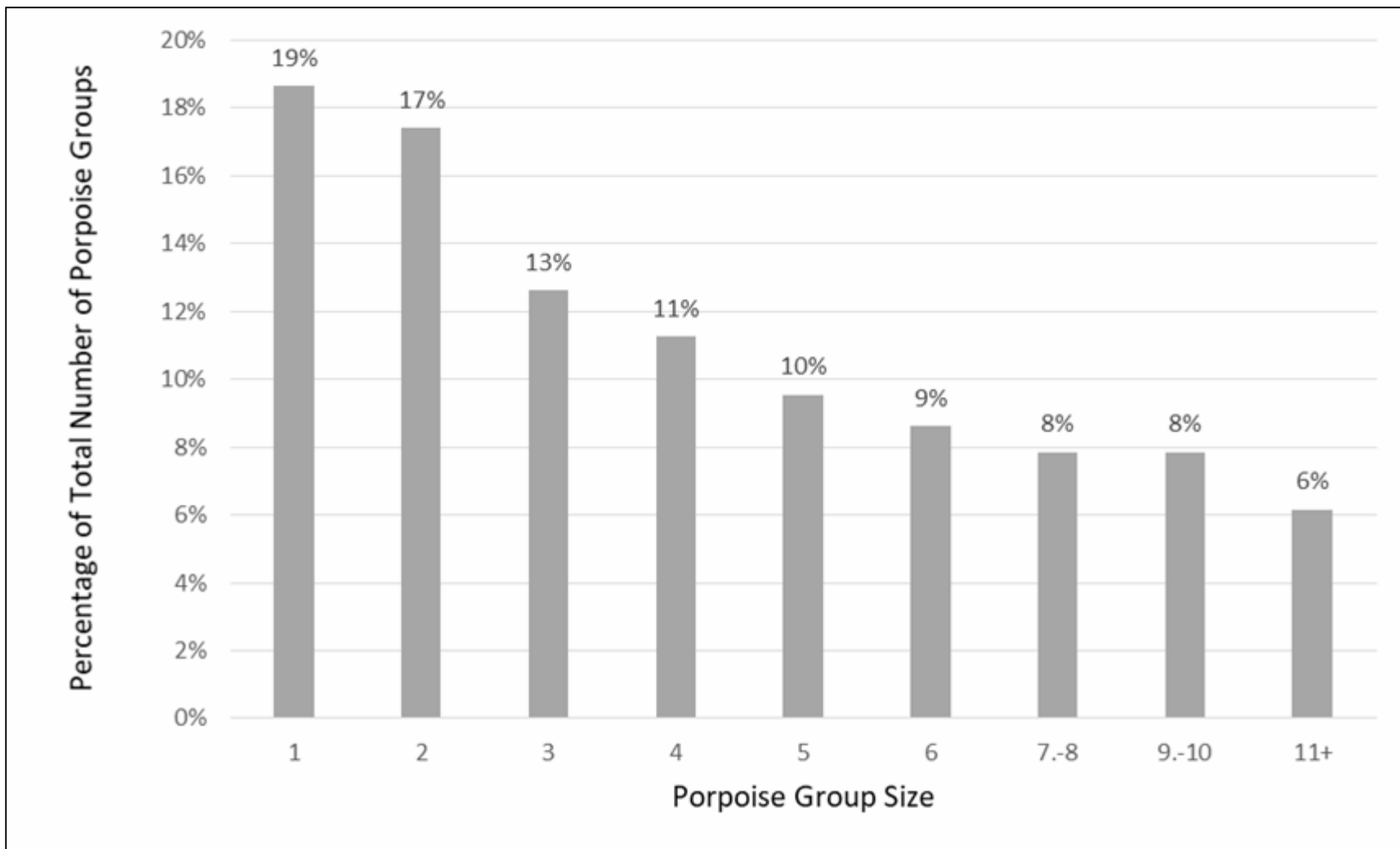


Figure 6. Percentages of varying group sizes of porpoises of Shek Kwu Chau, based on standardised segments.

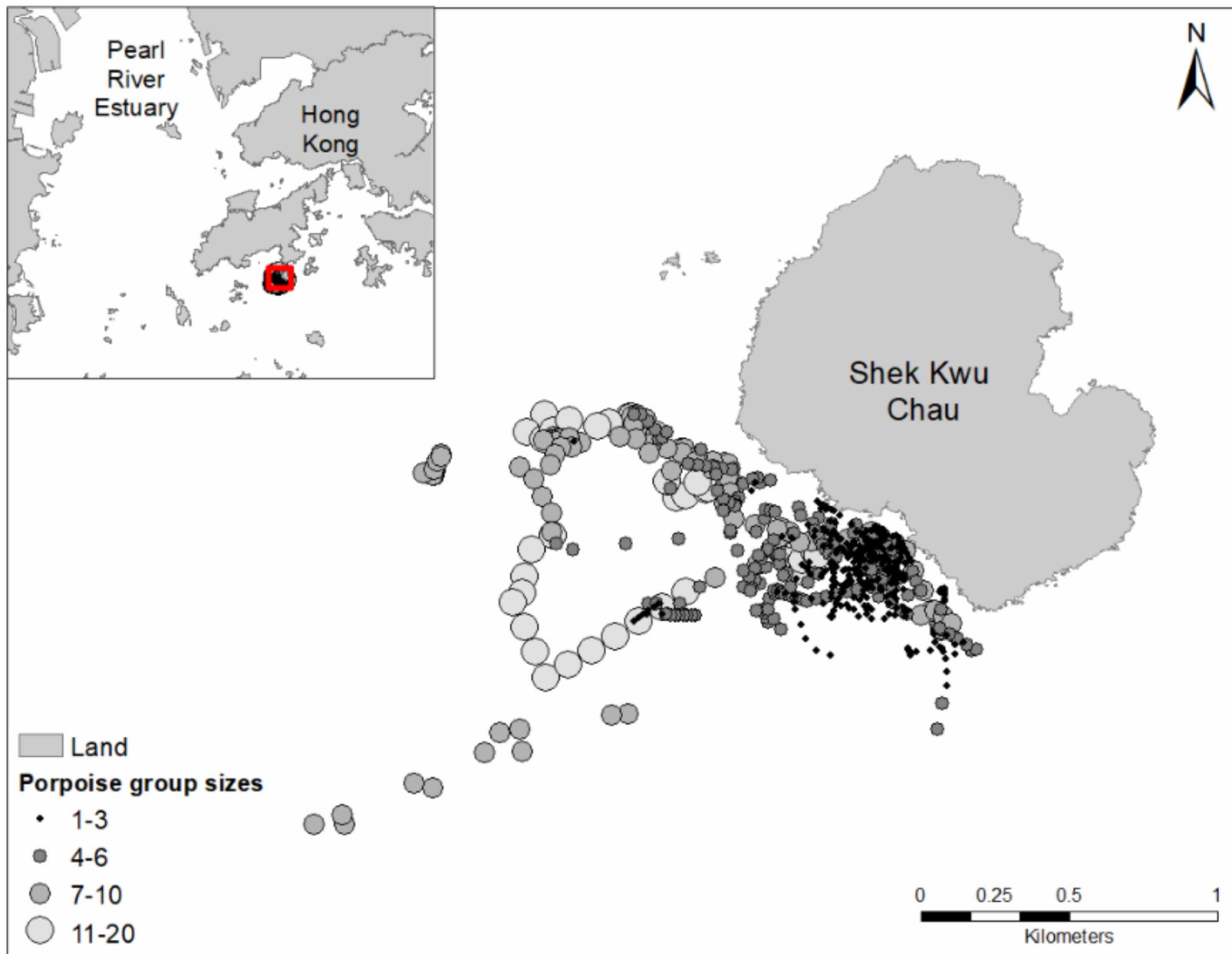


Figure 7. Plots of standardised porpoise group segments, based on group size, obtained from land-based station Shek Kwu Chau in 2018.

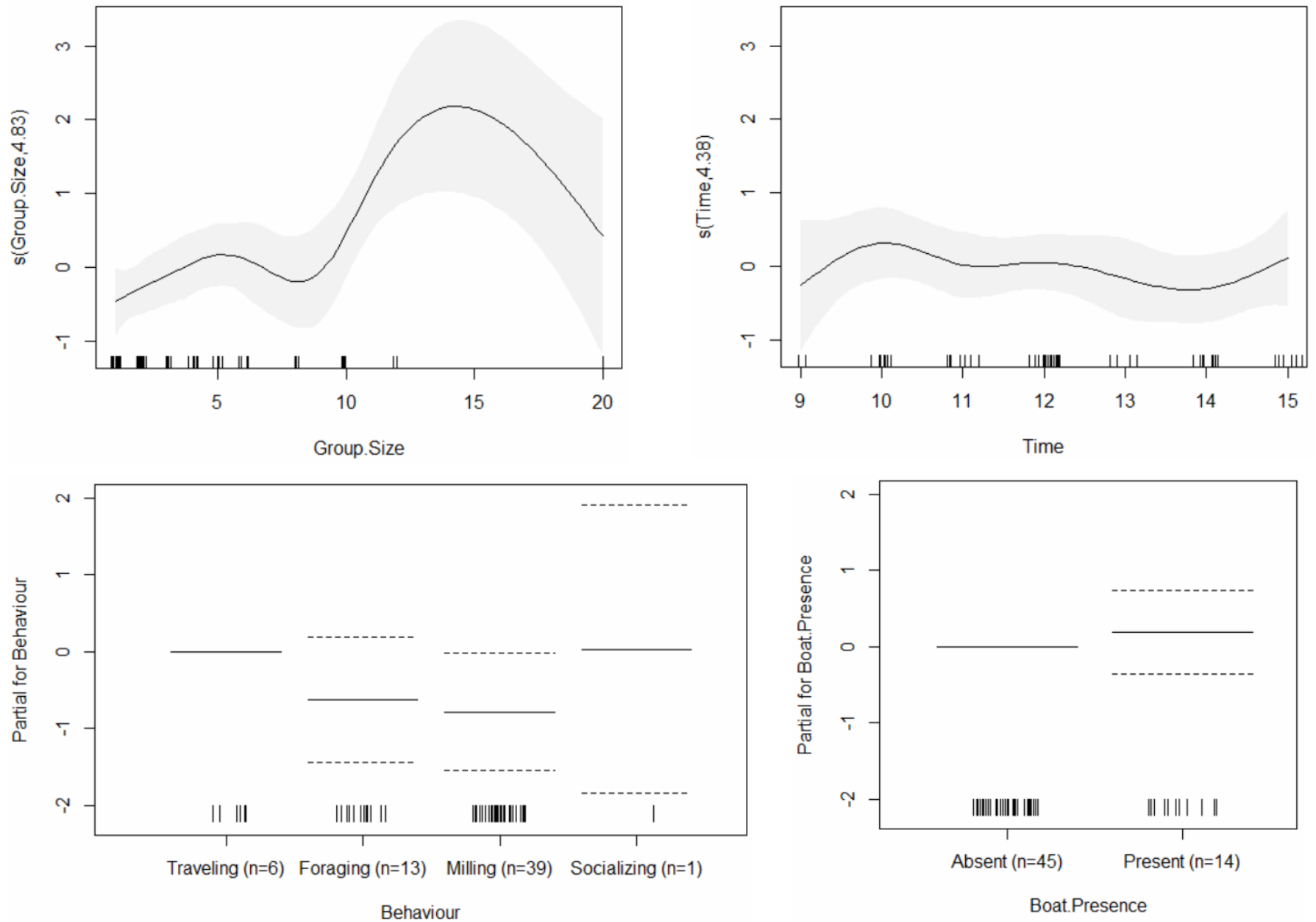


Figure 8. Generalized additive model output of the partial contribution of explanatory terms for **Swimming Speed**, including significant terms Group Size and Behaviour and non-significant terms Time and Boat Presence. The x-axis tick marks indicate sample size. Dashed lines and grey shading represent ± 2 SE (roughly 95% confidence intervals).

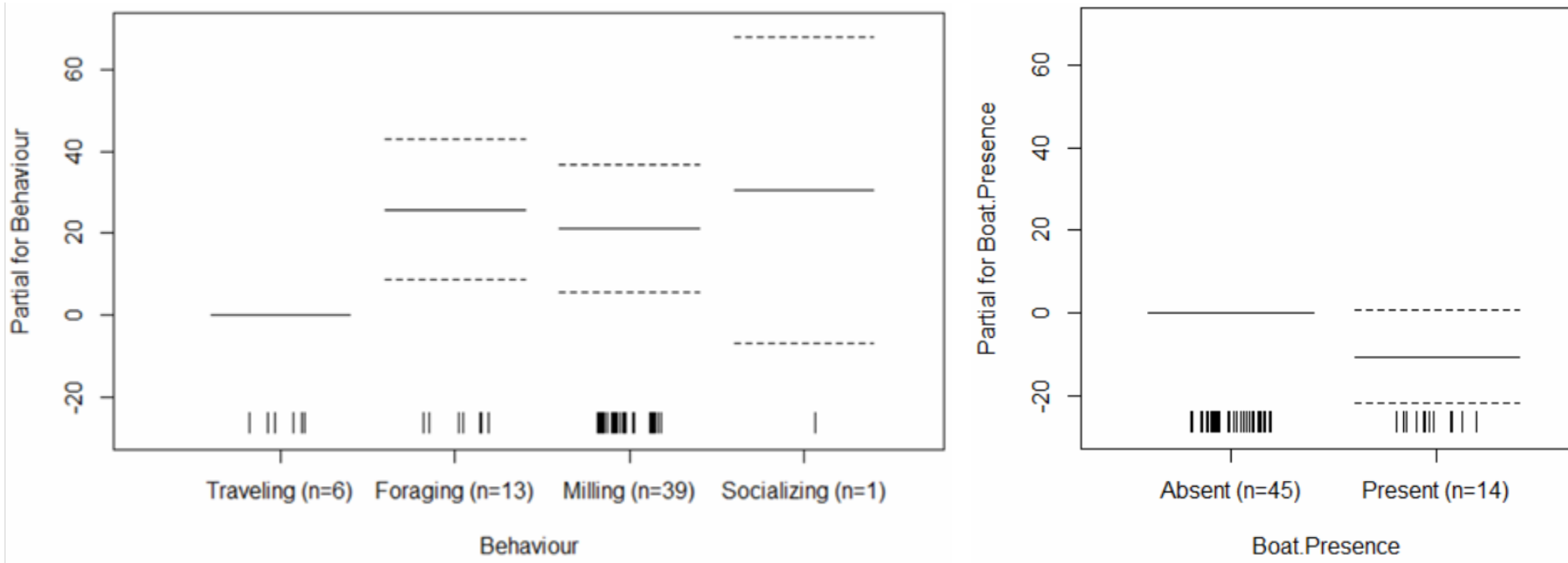


Figure 9. Generalized additive model output of the partial contribution of explanatory terms for **Reorientation Rate**, including significant terms Behaviour and Boat Presence. The x-axis tick marks indicate sample size. Dashed lines and grey shading represent ± 2 SE (roughly 95% confidence intervals).

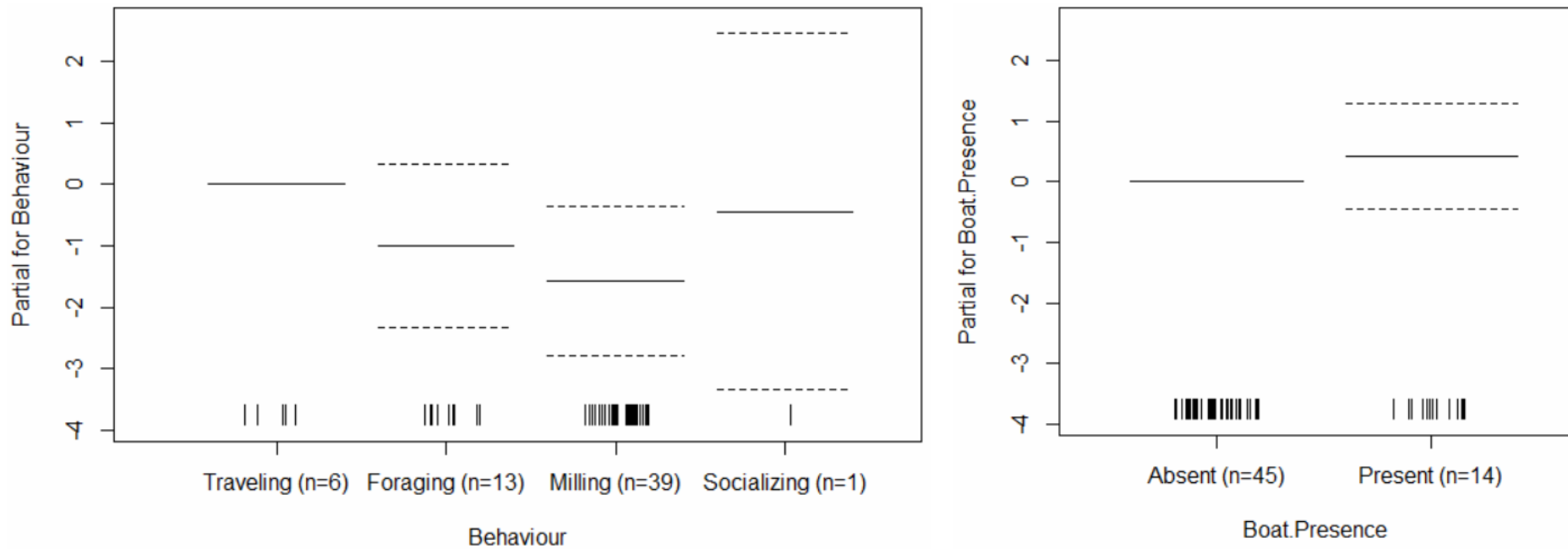


Figure 10. Generalized additive model output of the partial contribution of explanatory terms for **Linearity**, including the significant term Behaviour and non-significant term Boat Presence. The x-axis tick marks indicate sample size. Dashed lines and grey shading represent ± 2 SE (roughly 95% confidence intervals)

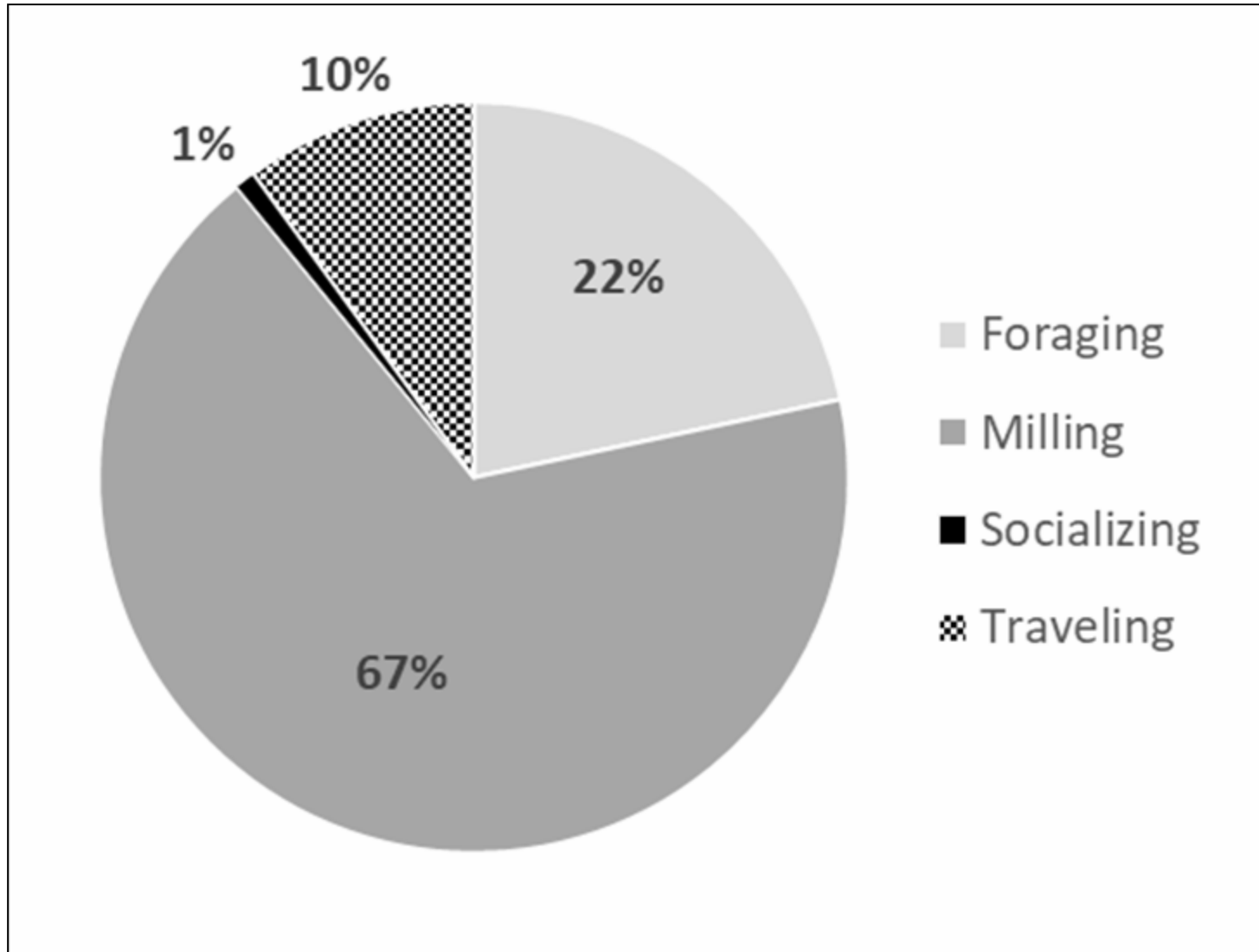


Figure 11. Percentages of porpoise broad behavioural states recorded from Shek Kwu Chau, based on standardised segments.

APPENDIX I. Baseline Monitoring on Shore-based Theodolite Tracking to Investigate Porpoise Behaviour and Movement (January-May 2018)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
28-Jan	29-Jan	30-Jan	31-Jan	1-Feb	2-Feb	3-Feb
		Theodolite Tracking Survey			Theodolite Tracking Survey	
4-Feb	5-Feb	6-Feb	7-Feb	8-Feb	9-Feb	10-Feb
		Theodolite Tracking Survey	Theodolite Tracking Survey			
11-Feb	12-Feb	13-Feb	14-Feb	15-Feb	16-Feb	17-Feb
		Theodolite Tracking Survey	Theodolite Tracking Survey			
18-Feb	19-Feb	20-Feb	21-Feb	22-Feb	23-Feb	24-Feb
			Theodolite Tracking Survey		Theodolite Tracking Survey	
25-Feb	26-Feb	27-Feb	28-Feb			
		Theodolite Tracking Survey	Theodolite Tracking Survey			

APPENDIX I. (cont'd)

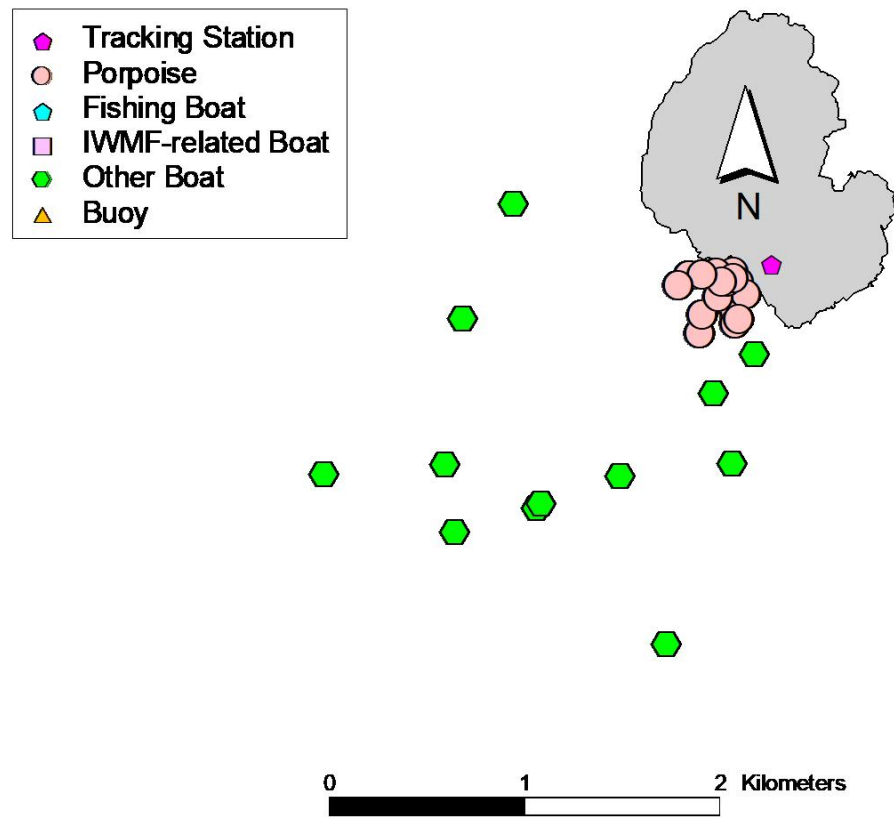
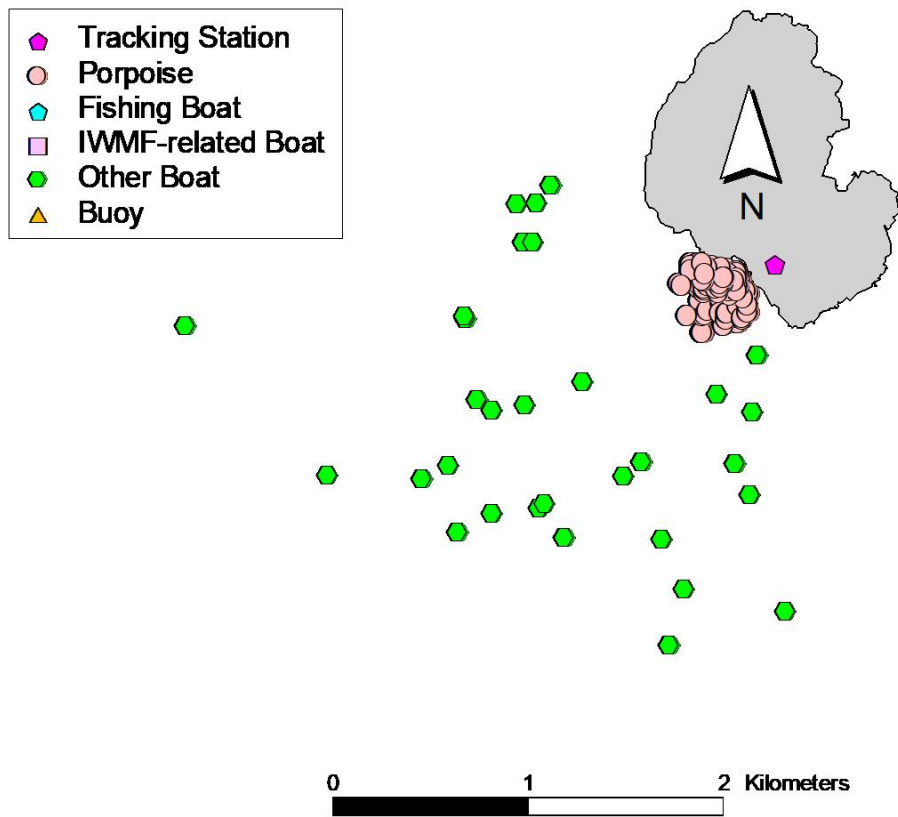
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1-Mar	2-Mar	3-Mar
				Theodolite Tracking Survey		
4-Mar	5-Mar	6-Mar	7-Mar	8-Mar	9-Mar	10-Mar
					Theodolite Tracking Survey	
11-Mar	12-Mar	13-Mar	14-Mar	15-Mar	16-Mar	17-Mar
		Theodolite Tracking Survey	Theodolite Tracking Survey	Theodolite Tracking Survey		
18-Mar	19-Mar	20-Mar	21-Mar	22-Mar	23-Mar	24-Mar
			Theodolite Tracking Survey	Theodolite Tracking Survey		
25-Mar	26-Mar	27-Mar	28-Mar	29-Mar	30-Mar	31-Mar
			Theodolite Tracking Survey	Theodolite Tracking Survey		

APPENDIX I. (cont'd)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1-Apr	2-Apr	3-Apr	4-Apr	5-Apr	6-Apr	7-Apr
8-Apr	9-Apr	10-Apr	11-Apr	12-Apr	13-Apr	14-Apr
			Theodolite Tracking Survey		Theodolite Tracking Survey	
15-Apr	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr
			Theodolite Tracking Survey		Theodolite Tracking Survey	
22-Apr	23-Apr	24-Apr	25-Apr	26-Apr	27-Apr	28-Apr
			Theodolite Tracking Survey		Theodolite Tracking Survey	
29-Apr	30-Apr					
	Theodolite Tracking Survey					

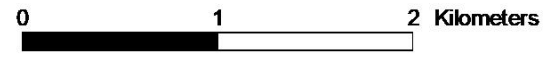
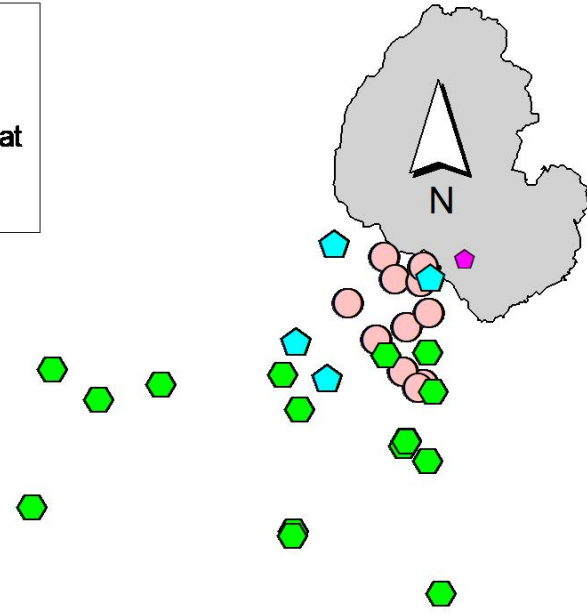
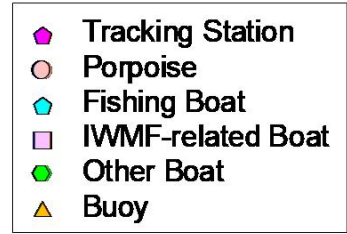
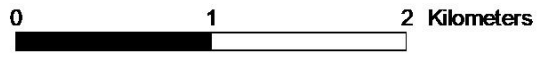
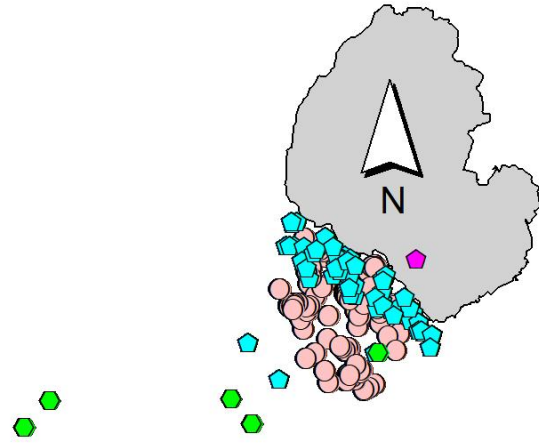
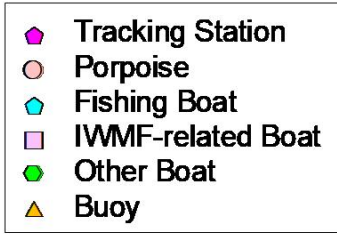
APPENDIX I. (cont'd)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1-May	2-May	3-May	4-May	5-May
			Theodolite Tracking Survey	Theodolite Tracking Survey		
6-May	7-May	8-May	9-May	10-May	11-May	12-May
					Theodolite Tracking Survey	
13-May	14-May	15-May	16-May	17-May	18-May	19-May
	Theodolite Tracking Survey					
20-May	21-May	22-May	23-May	24-May	25-May	26-May
27-May	28-May	29-May	30-May	31-May		

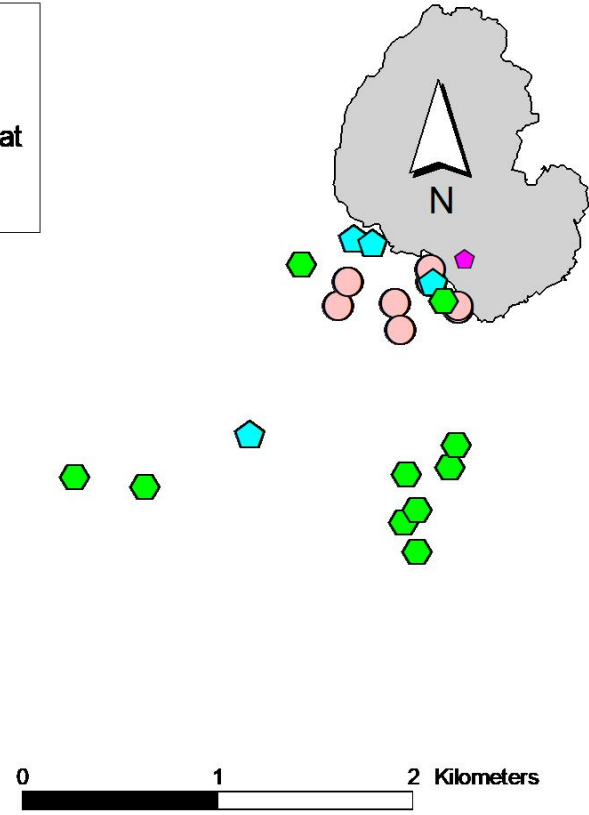
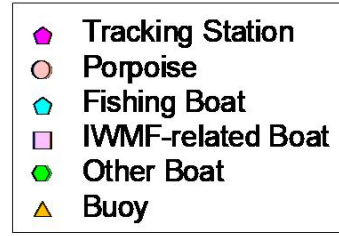
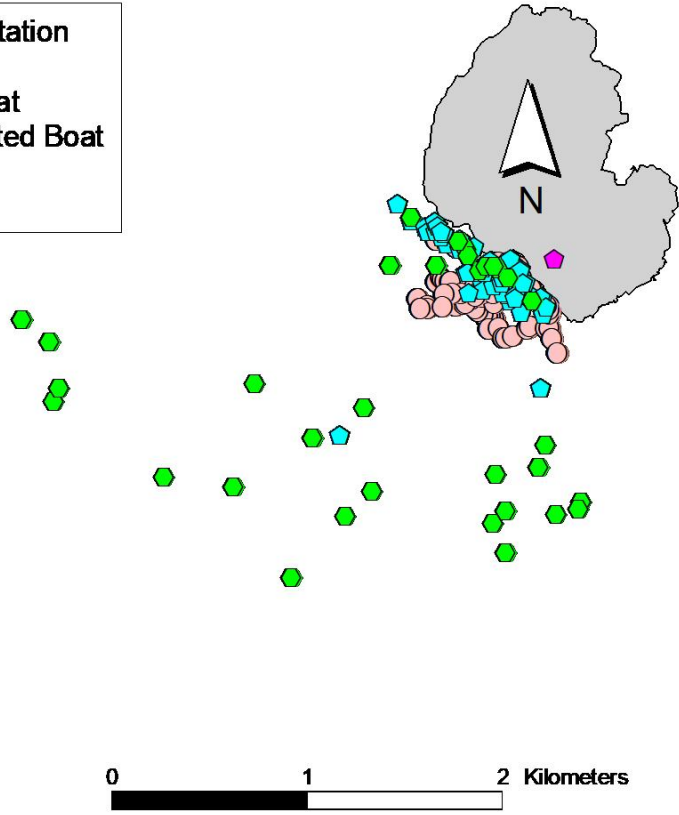
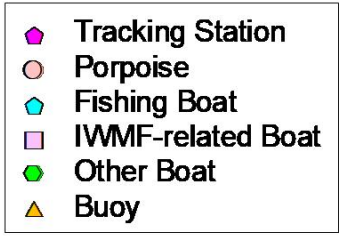


January 30th

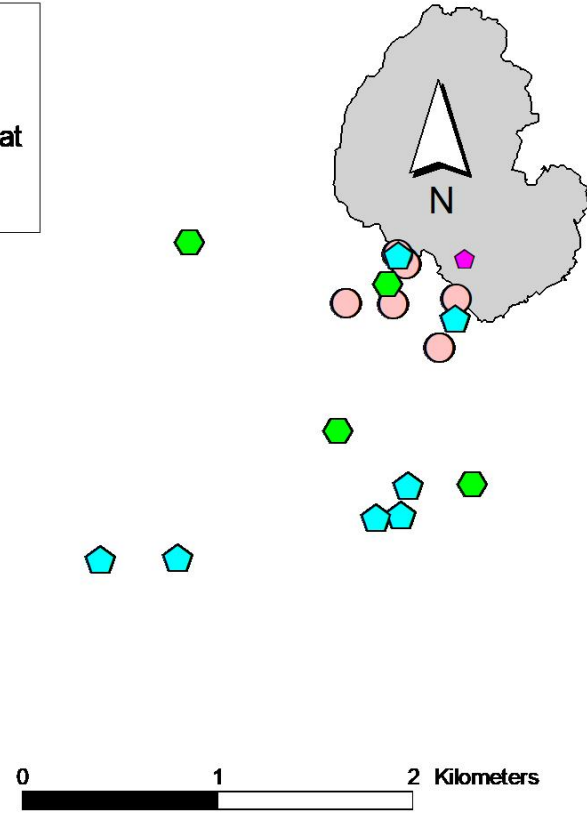
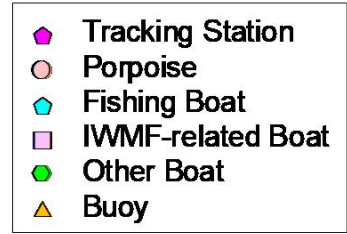
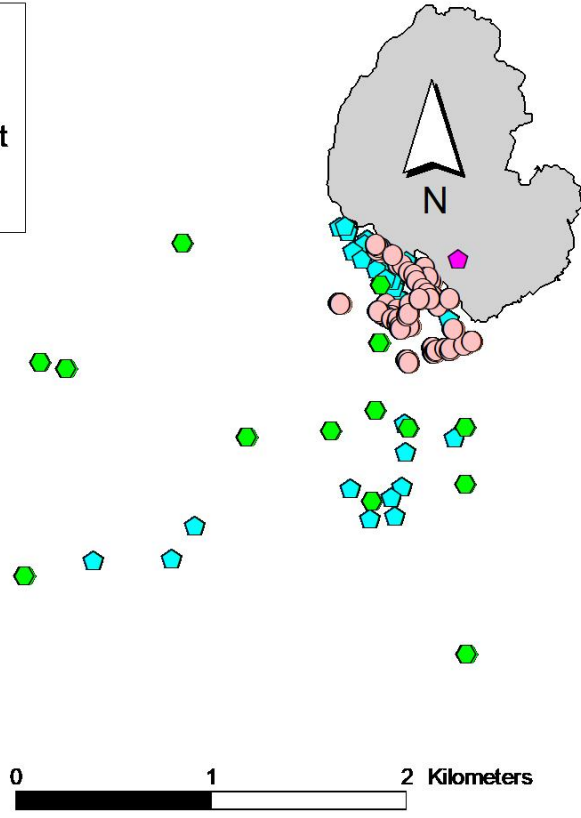
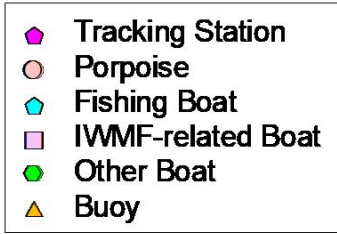
Appendix II. All fix positions (left) and first positions (right) of each finless porpoise sighting and occurrence of different boat types on each of the 30 shore-based theodolite tracking sessions conducted from Shek Kwu Chau station during IWMF baseline monitoring period in January-May 2018



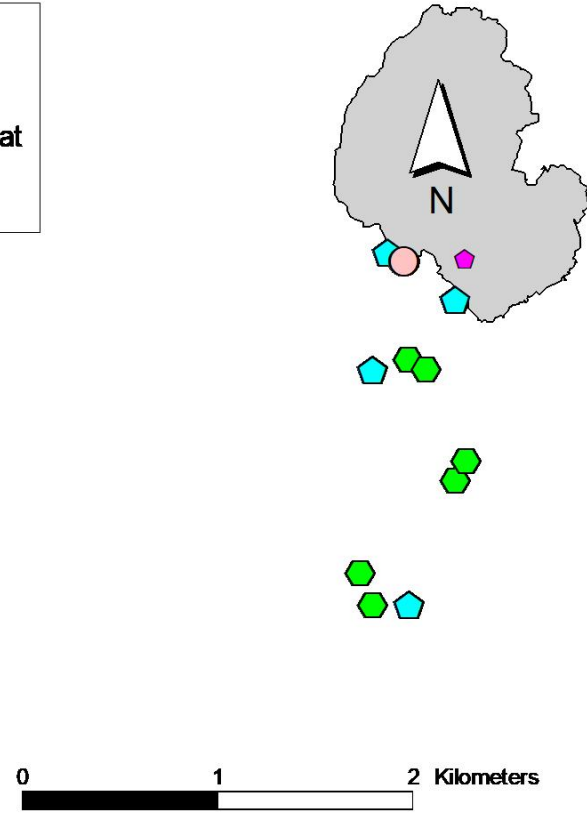
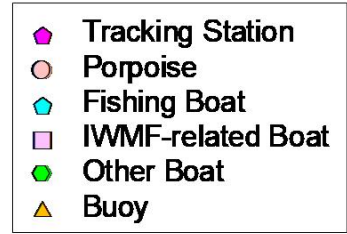
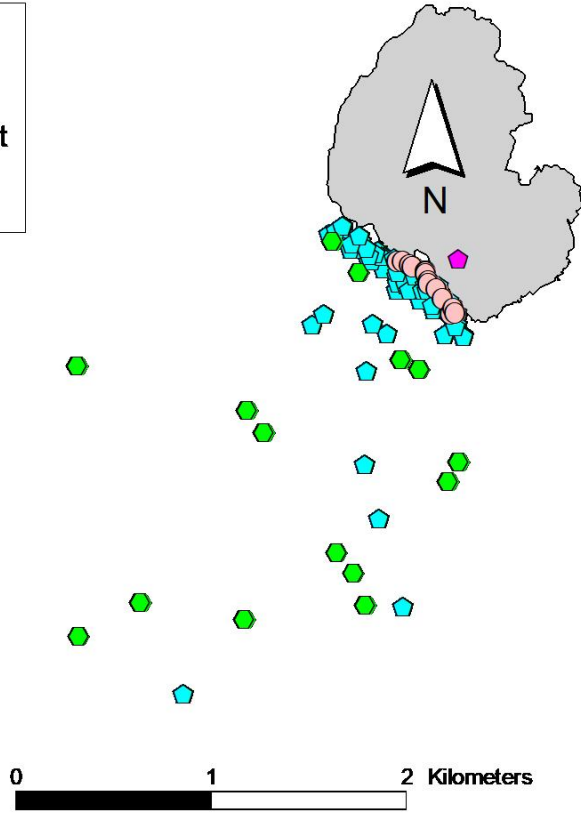
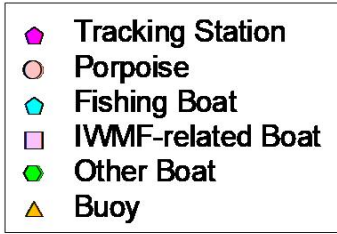
February 2nd



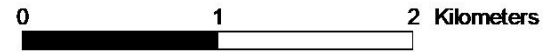
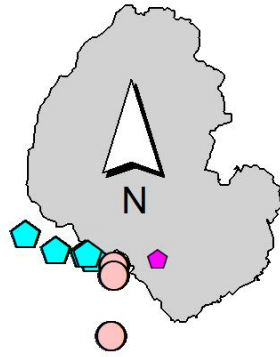
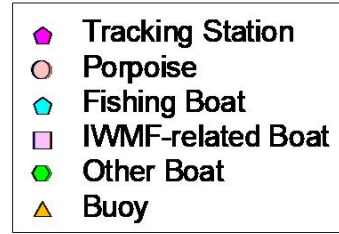
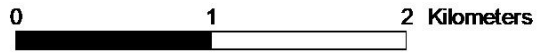
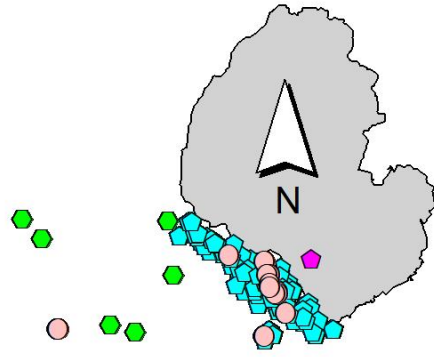
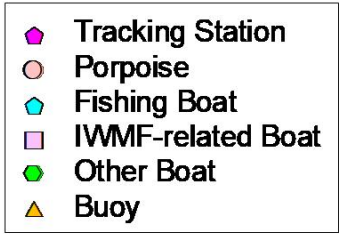
February 6th



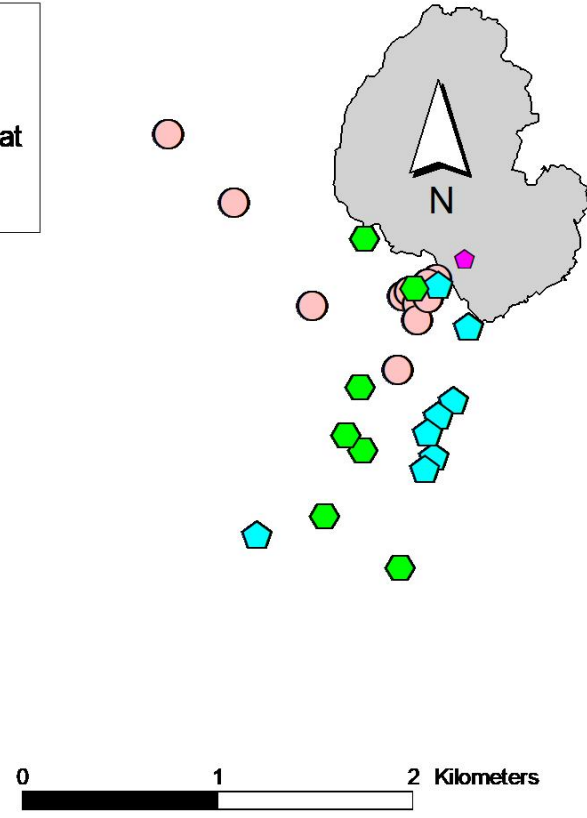
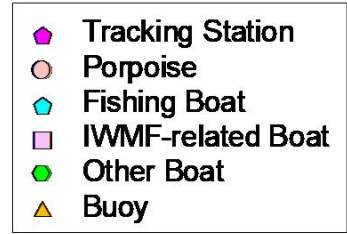
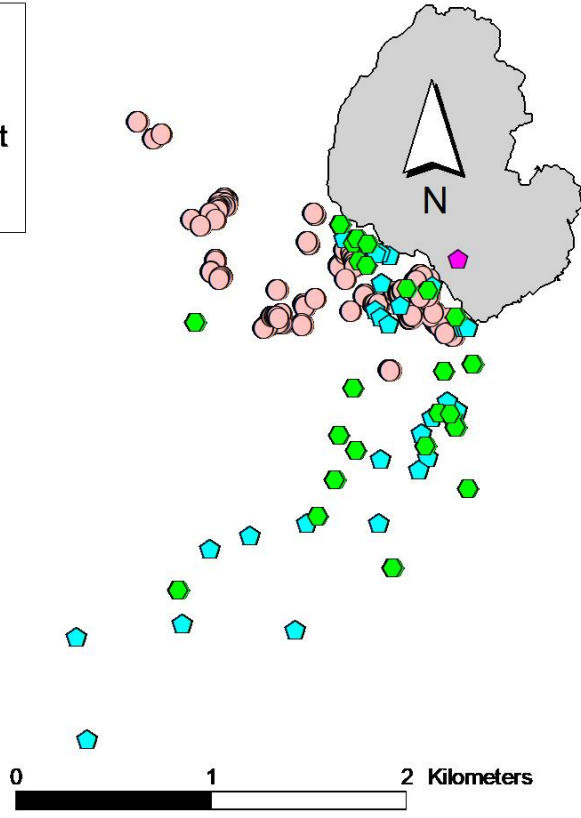
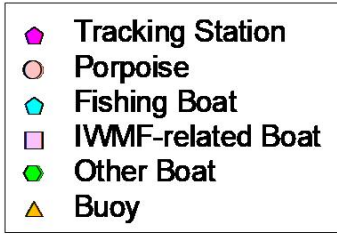
February 7th



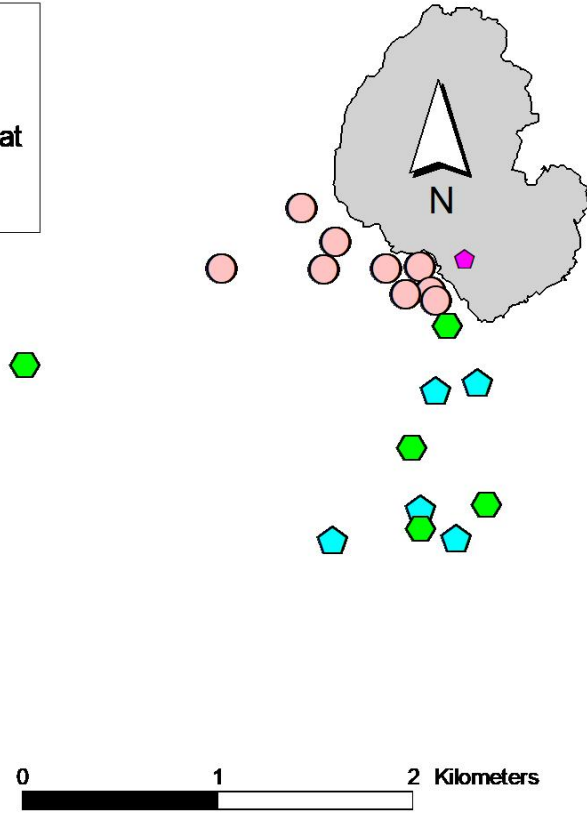
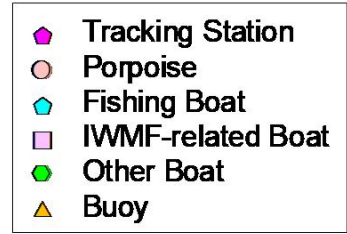
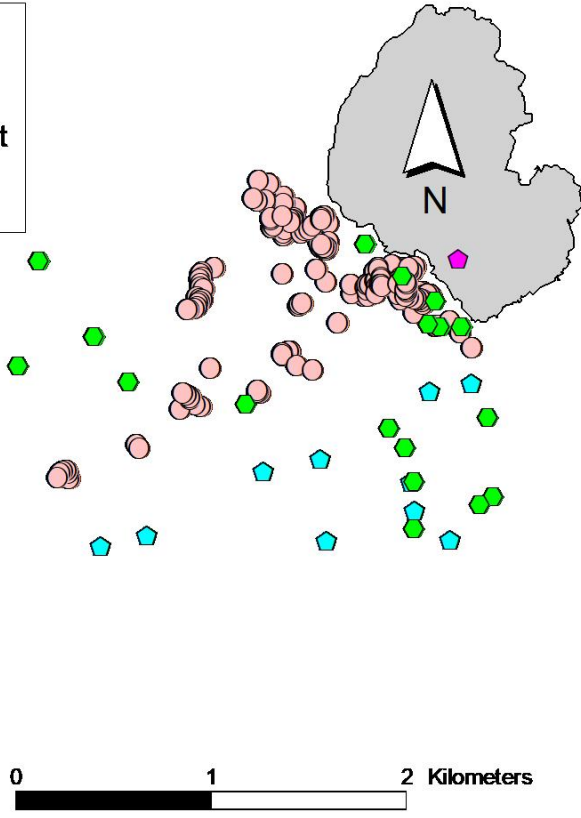
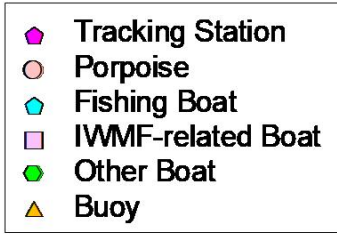
February 13th



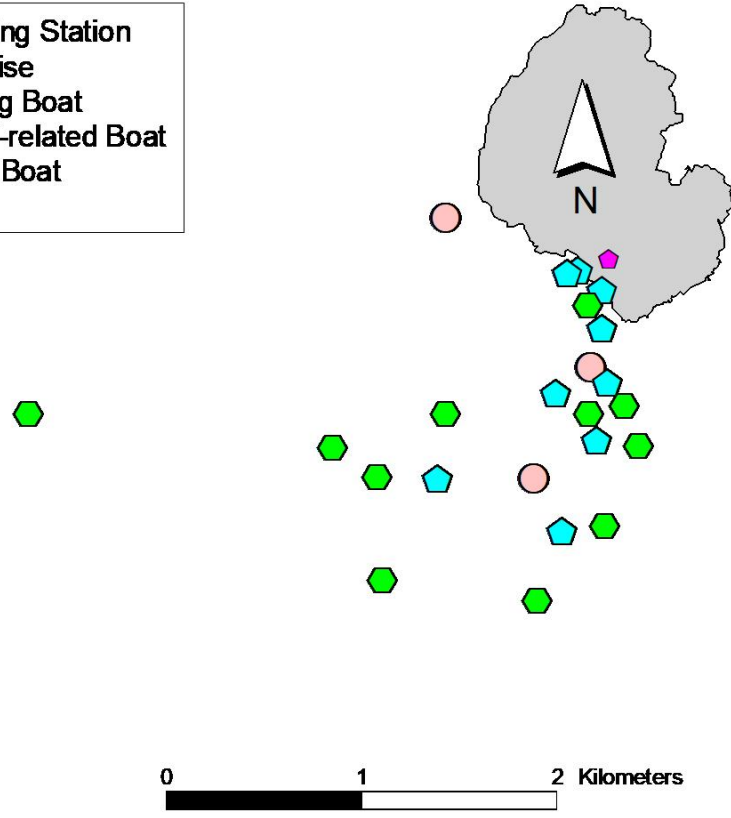
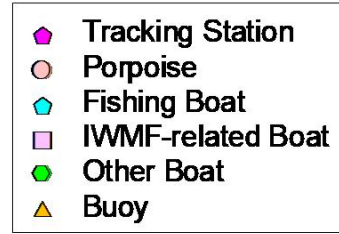
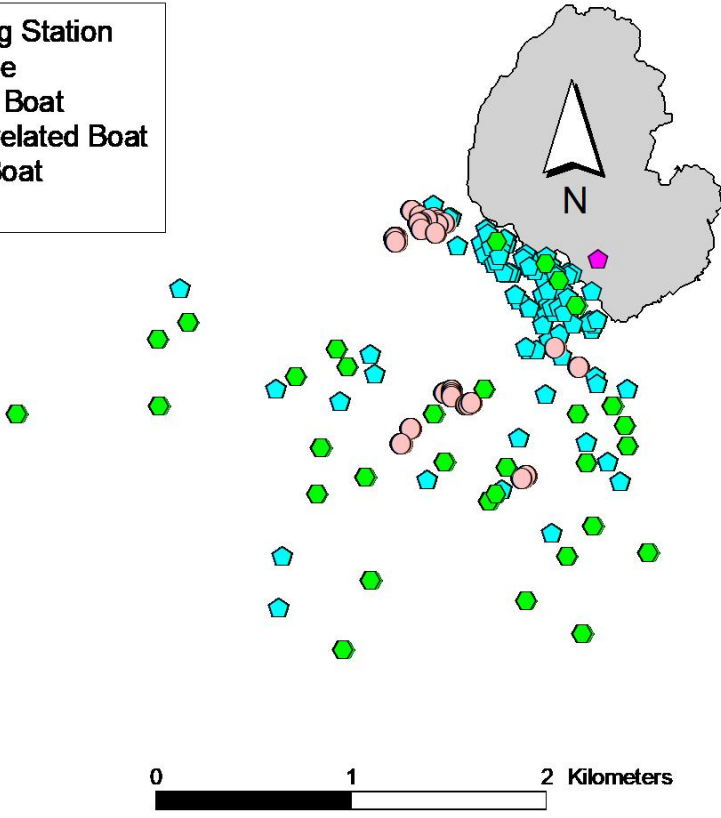
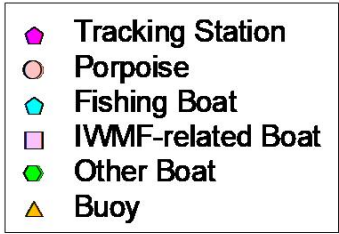
February 14th



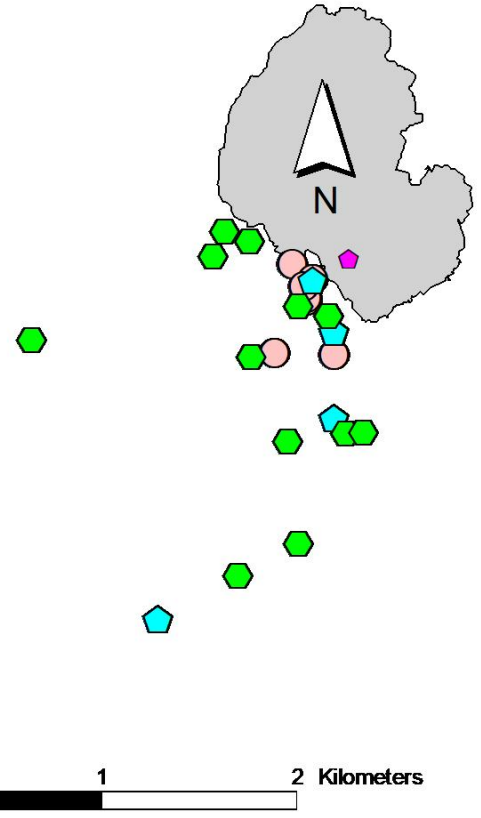
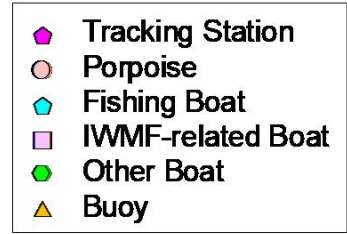
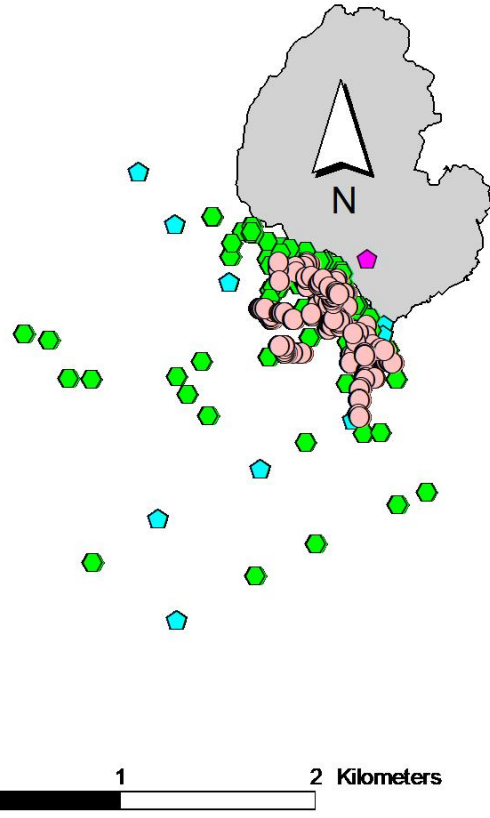
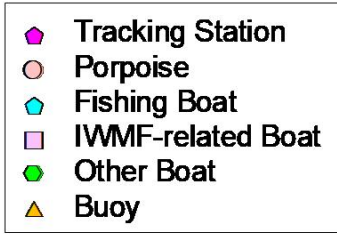
February 21st



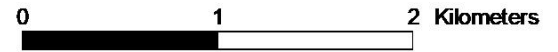
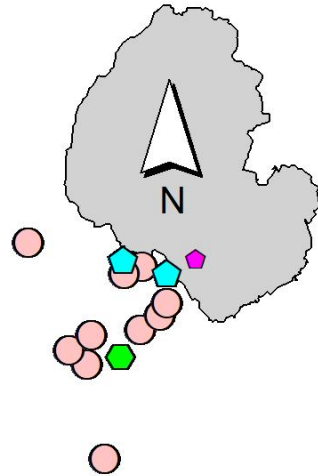
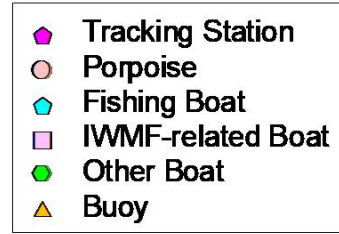
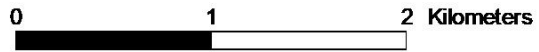
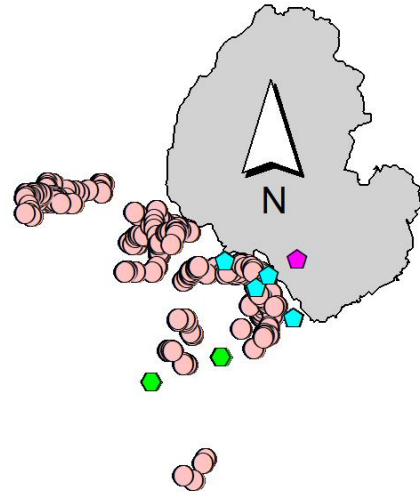
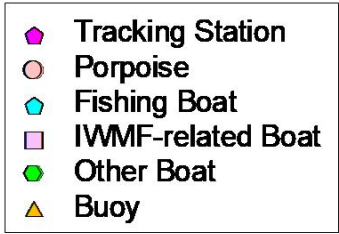
February 23rd



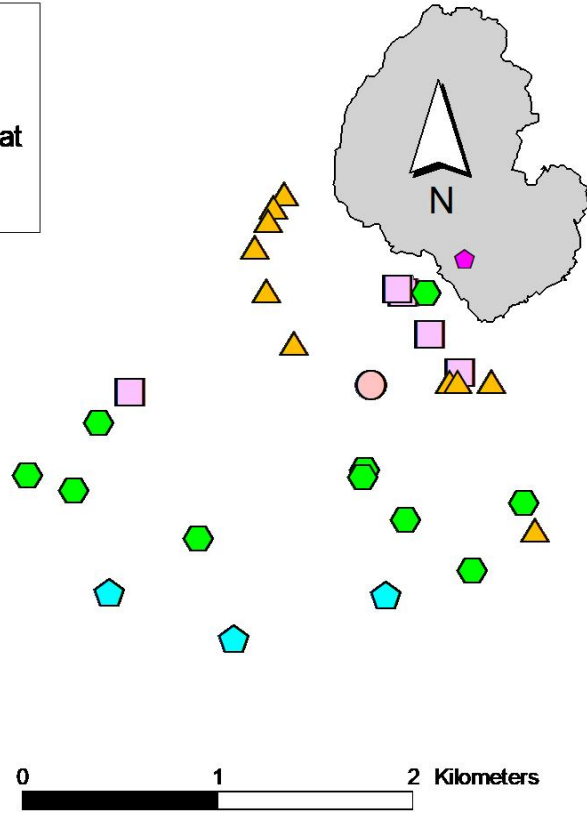
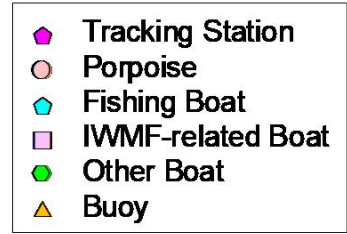
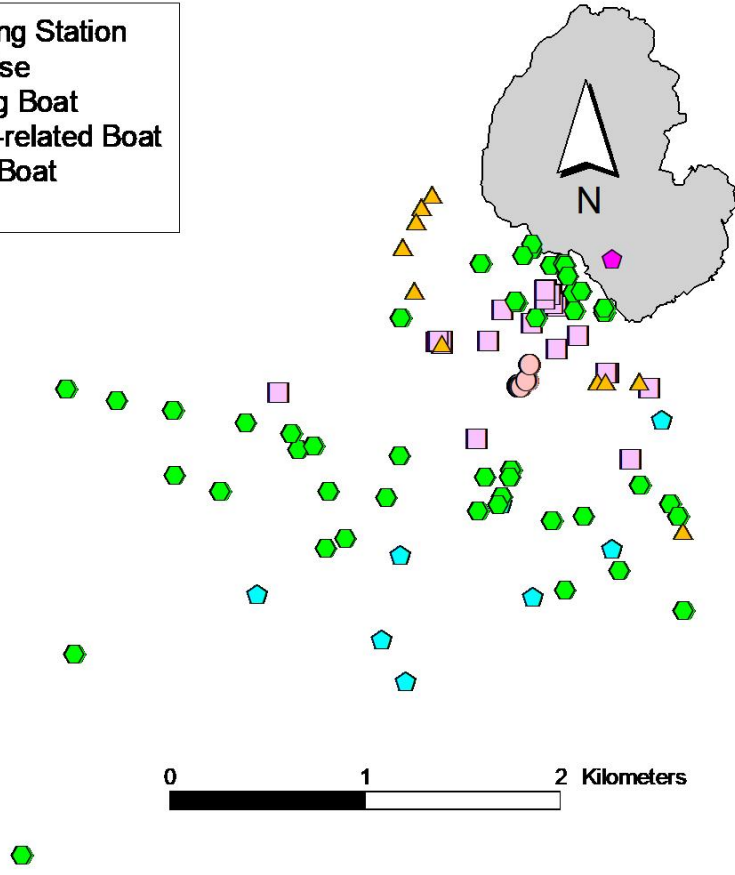
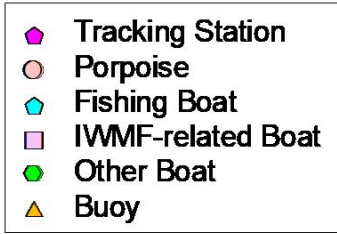
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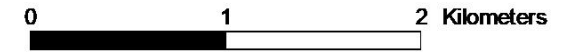
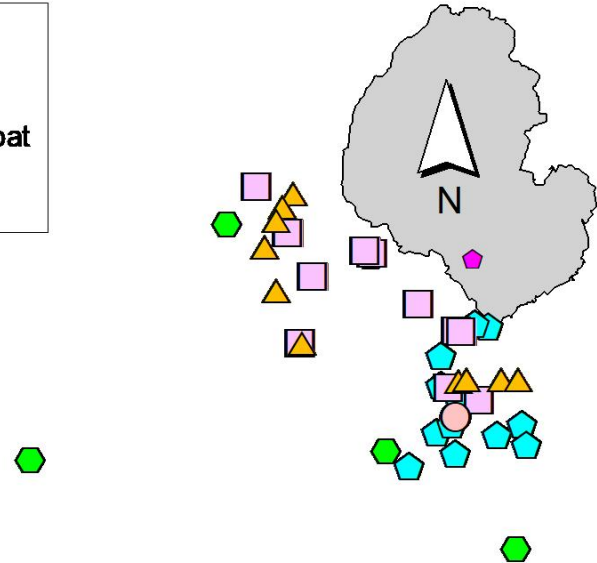
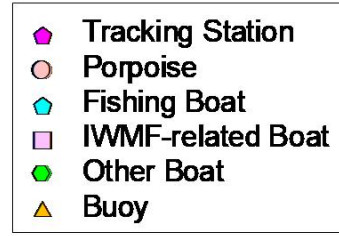
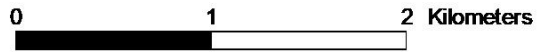
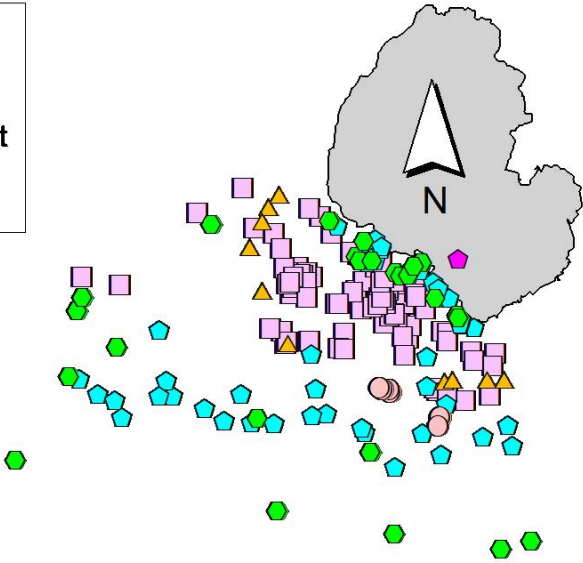
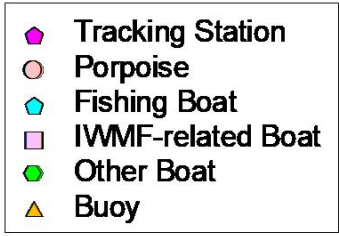
February 28th



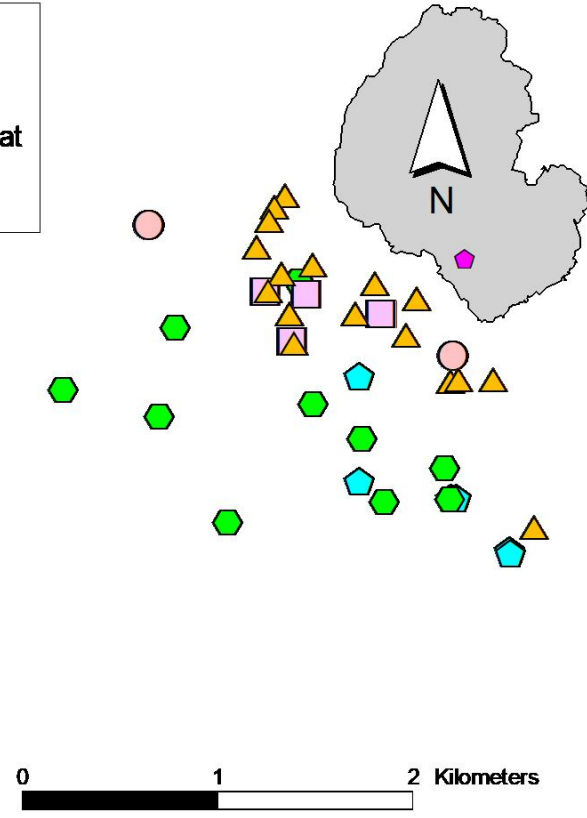
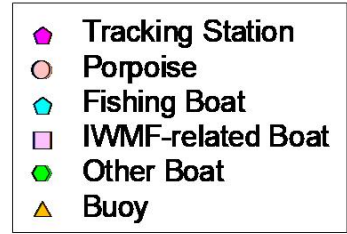
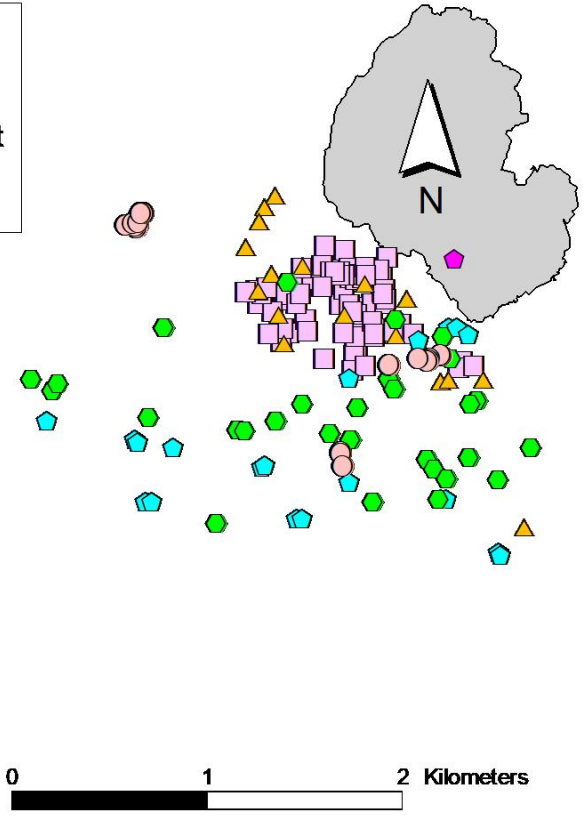
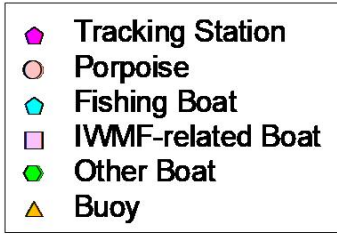
March 1st



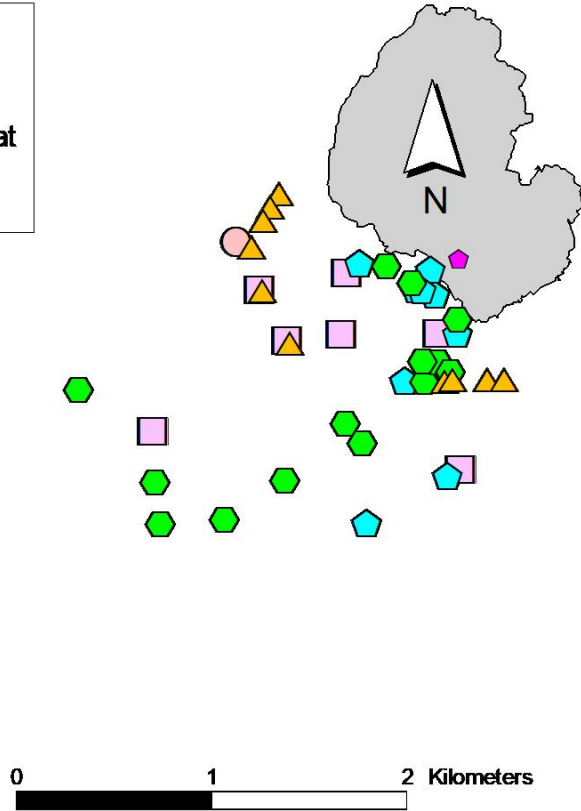
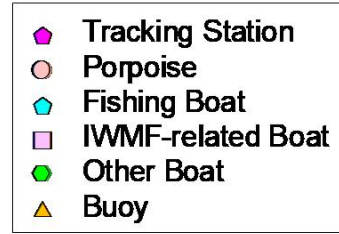
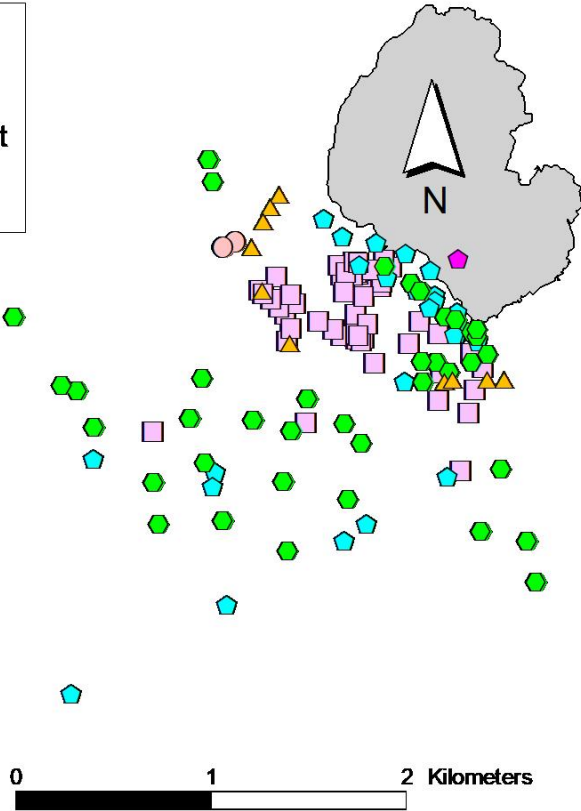
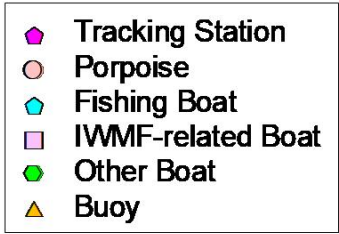
March 9th



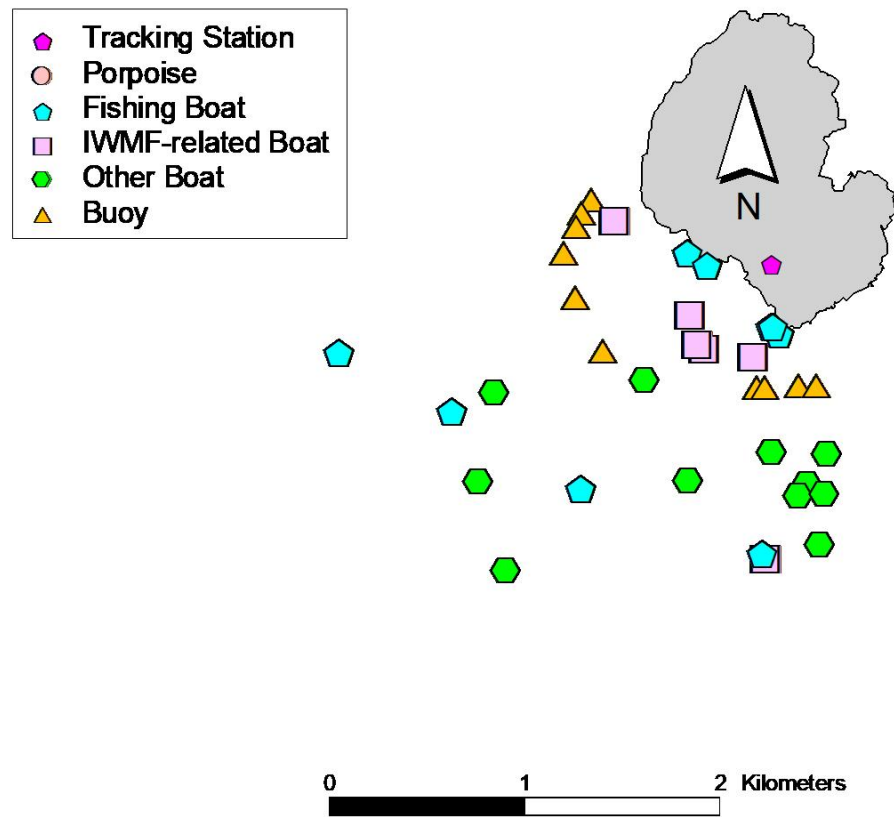
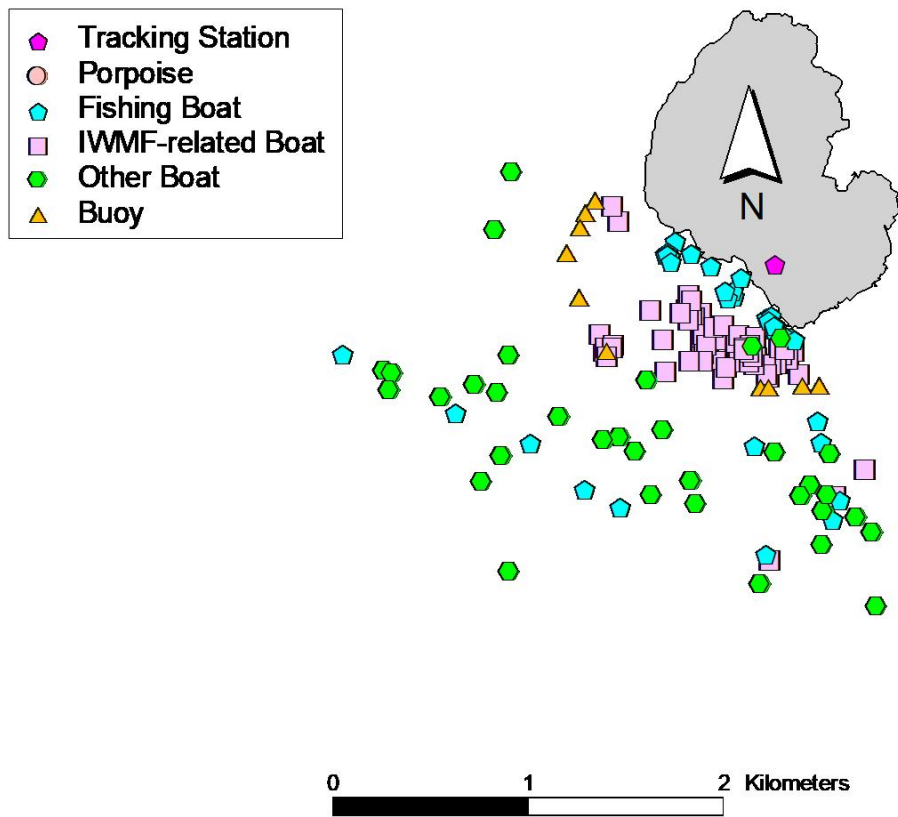
March 13th



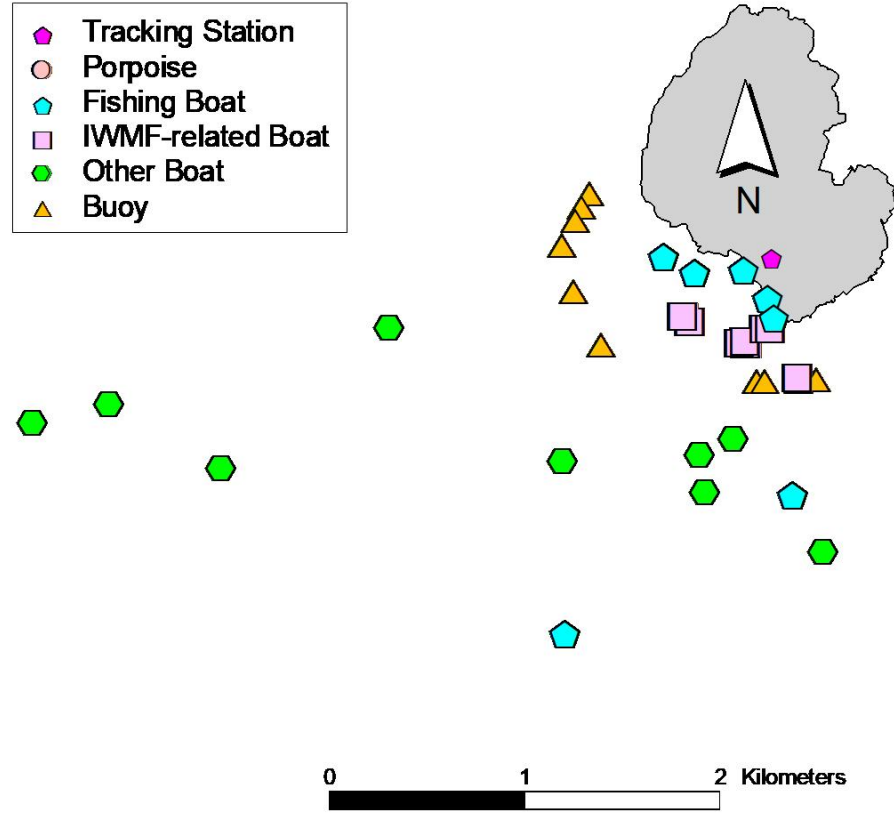
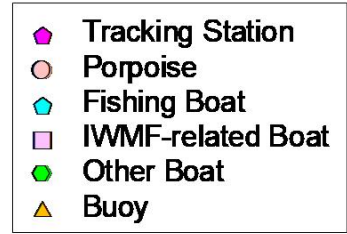
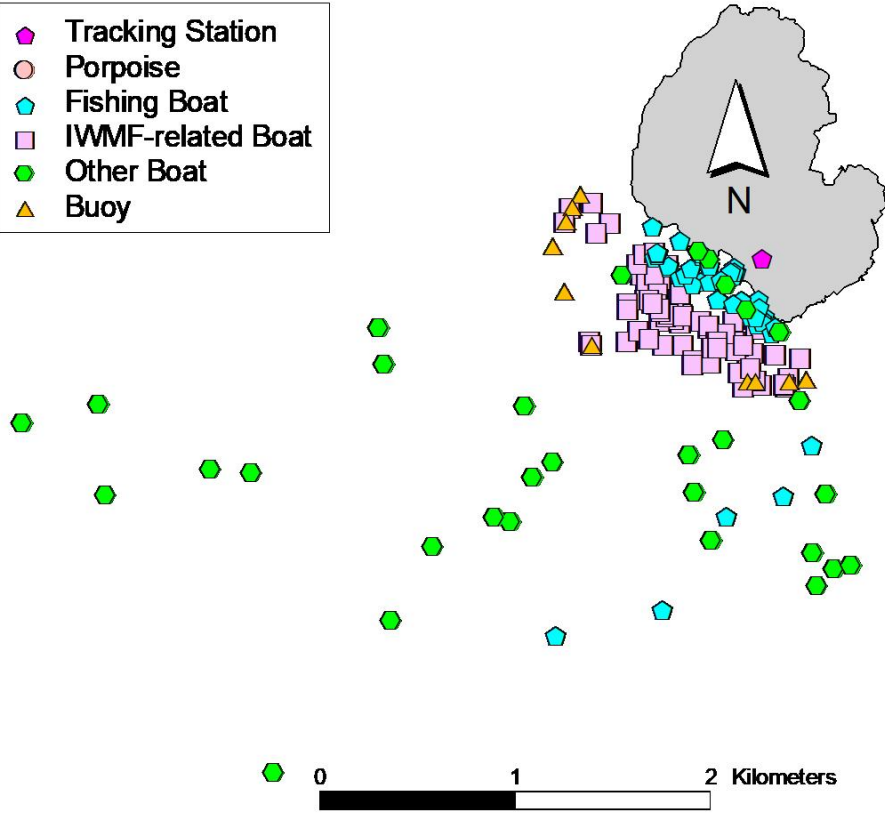
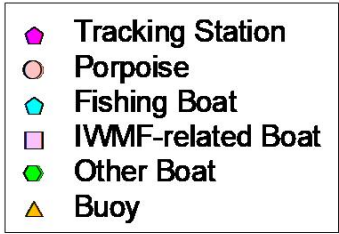
March 14th



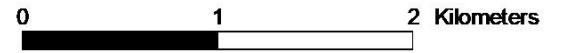
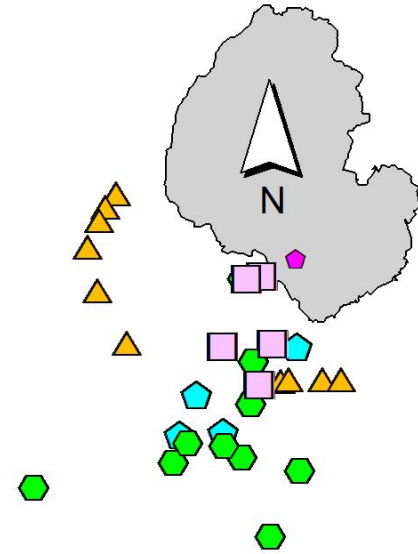
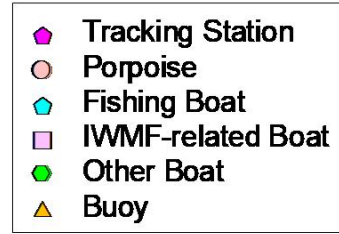
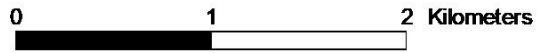
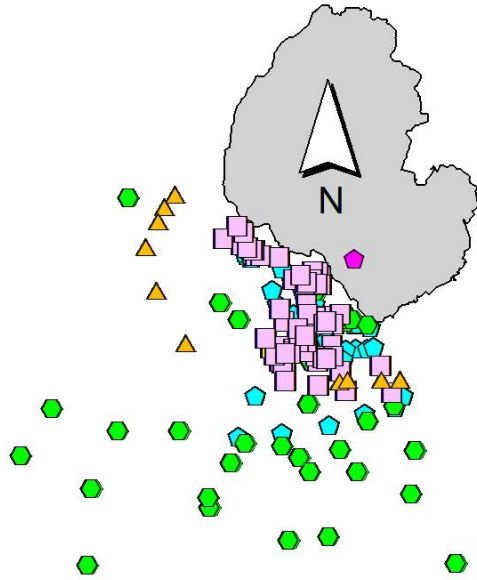
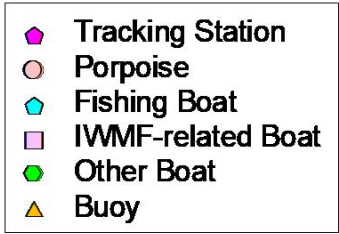
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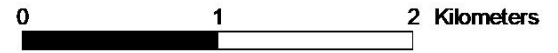
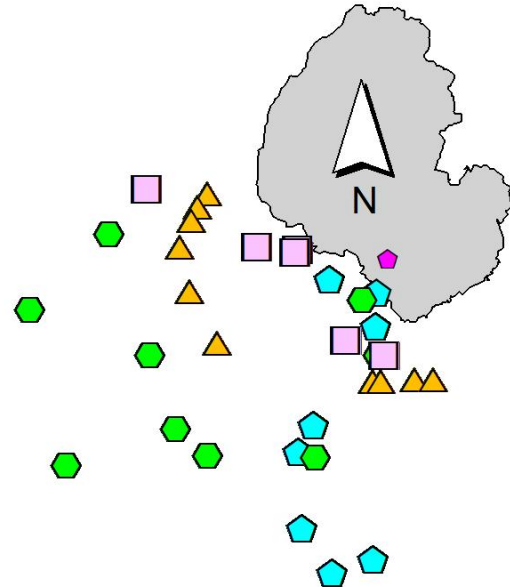
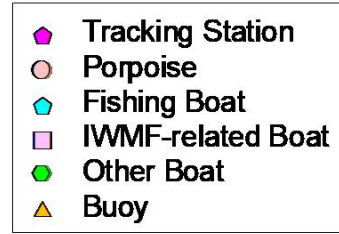
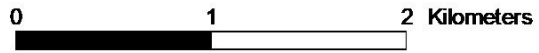
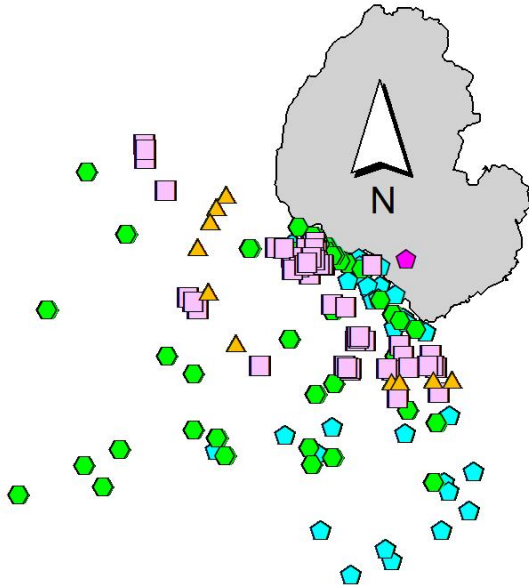
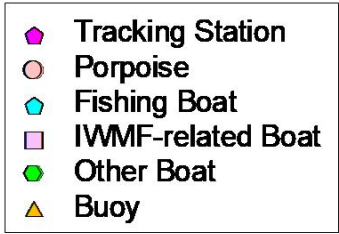
March 21st



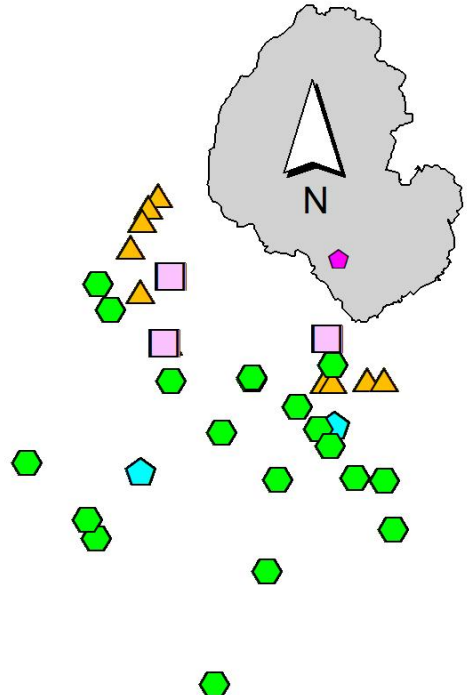
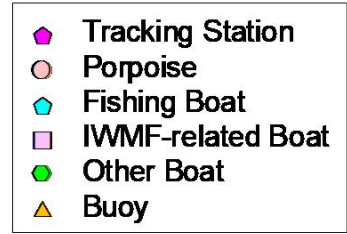
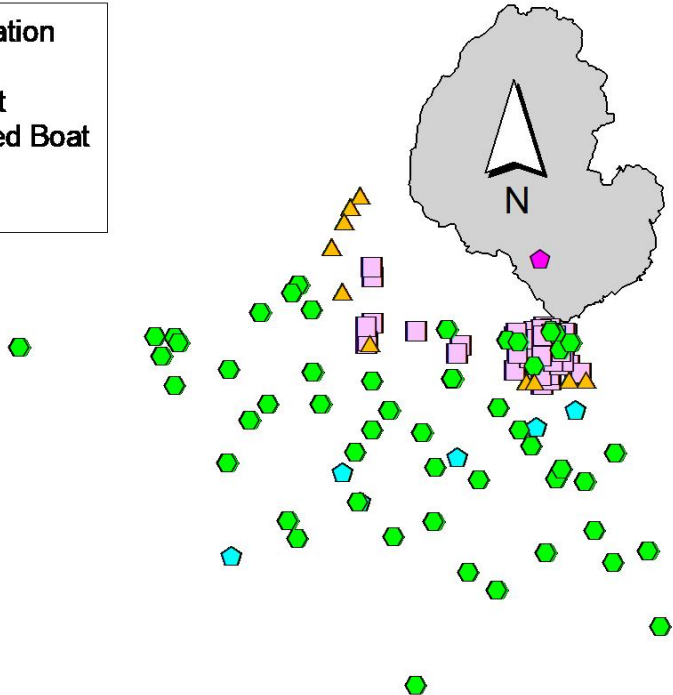
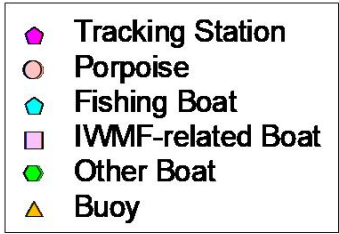
March 22nd



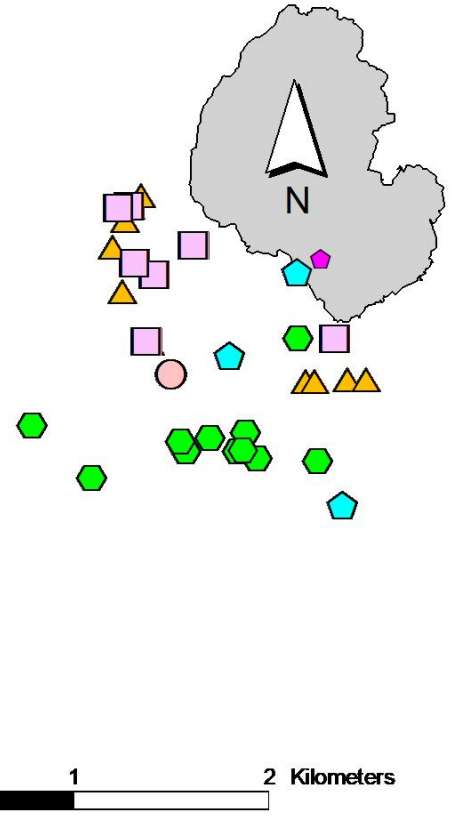
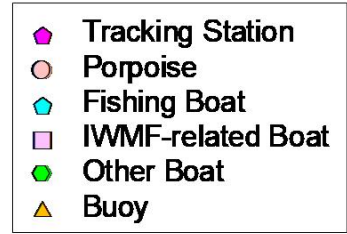
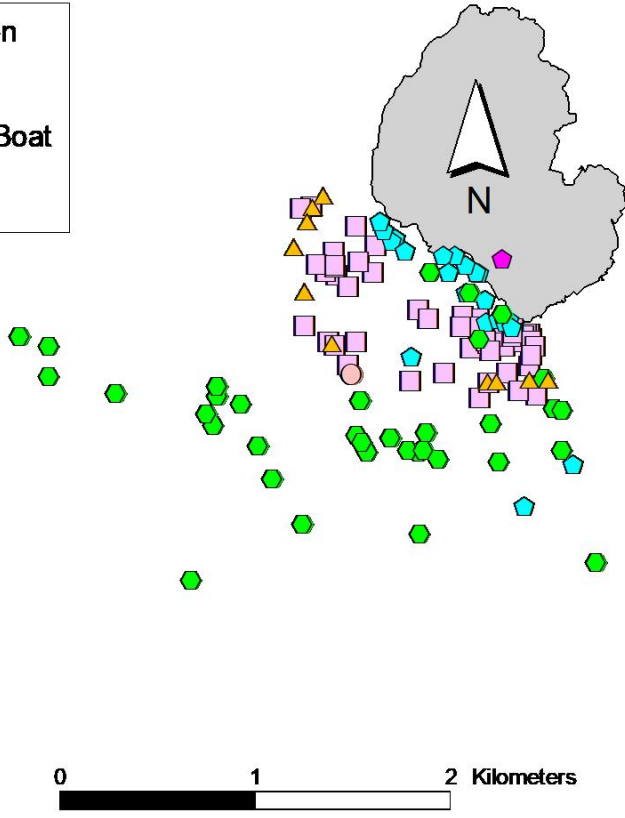
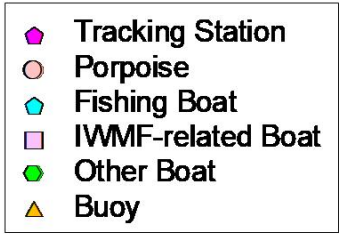
March 28th



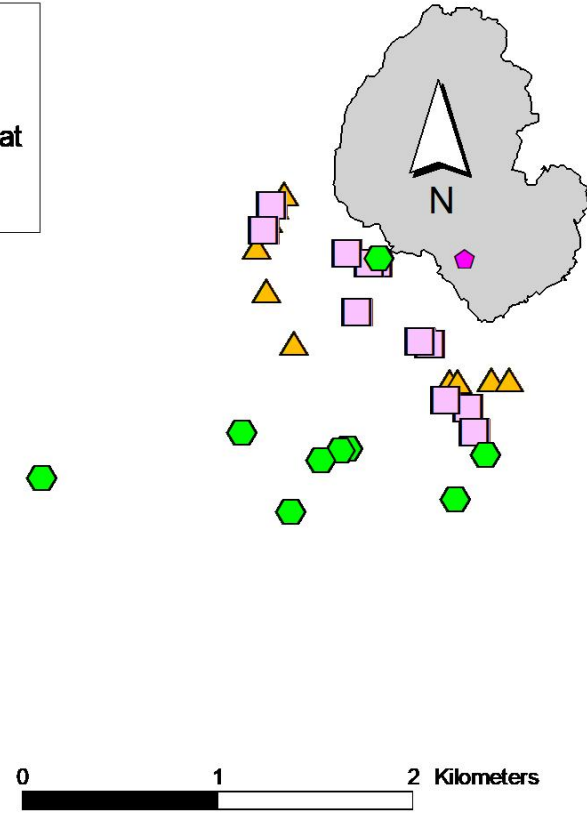
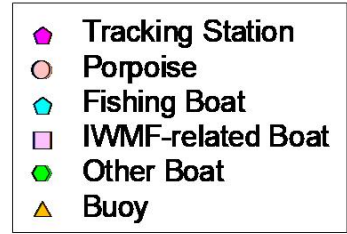
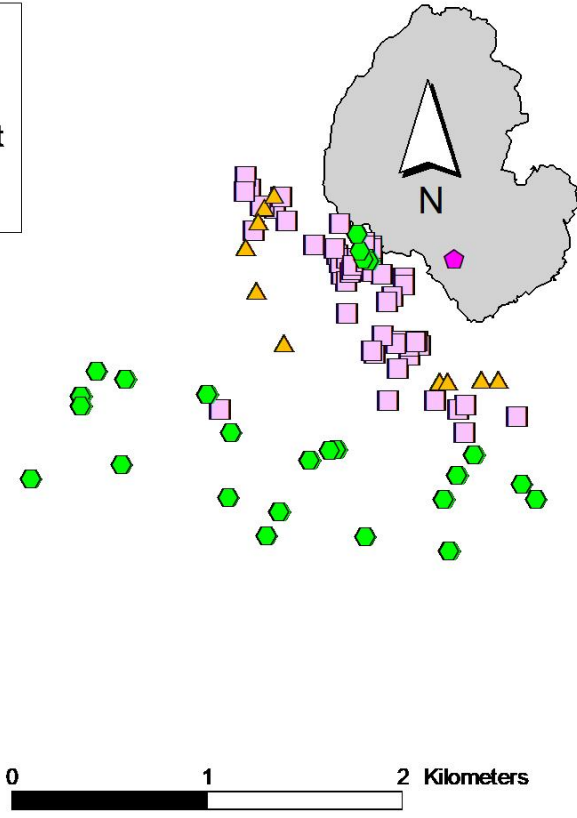
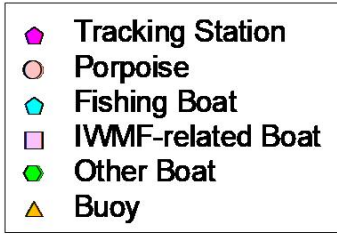
March 29th



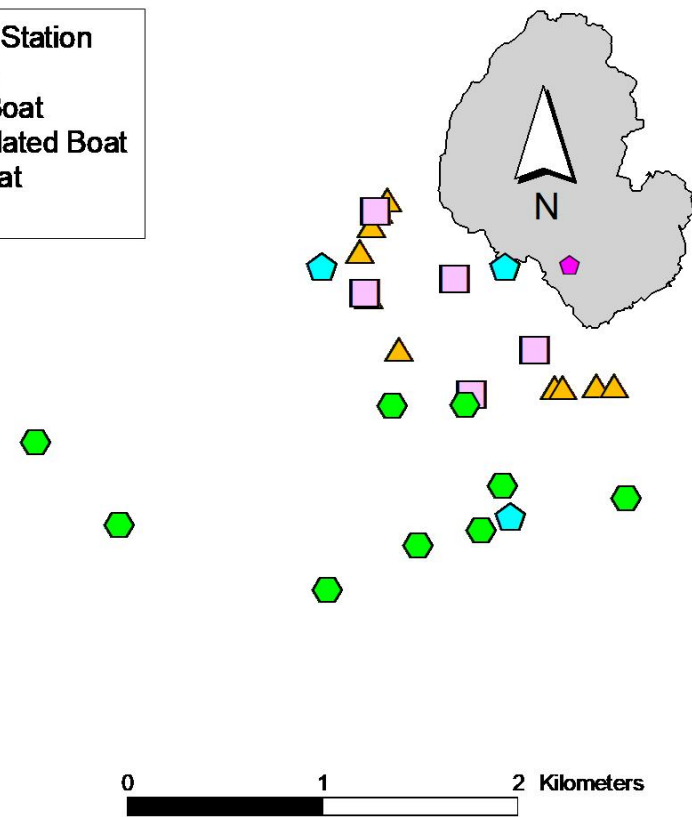
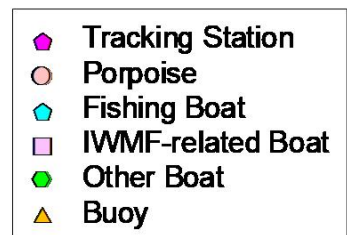
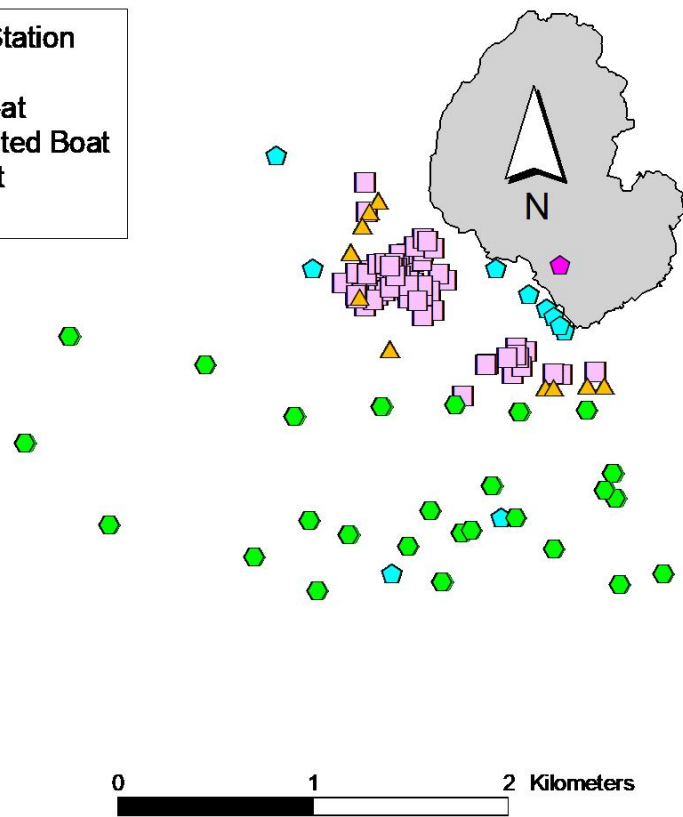
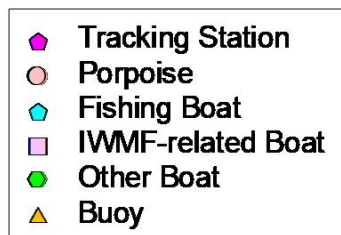
April 11th



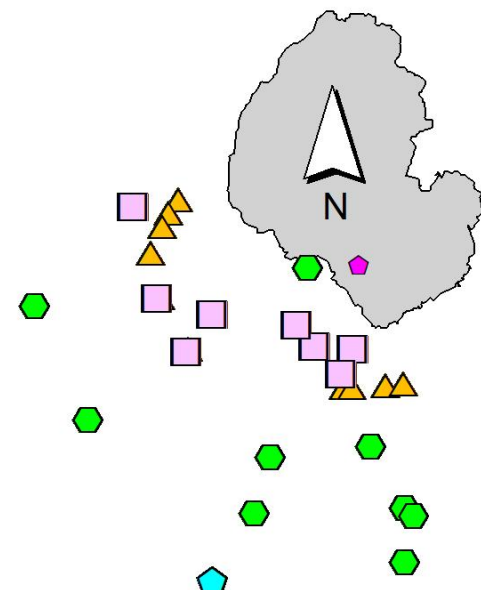
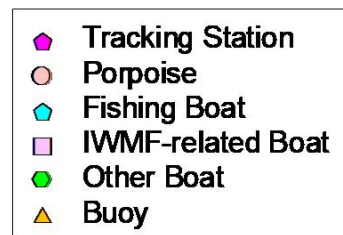
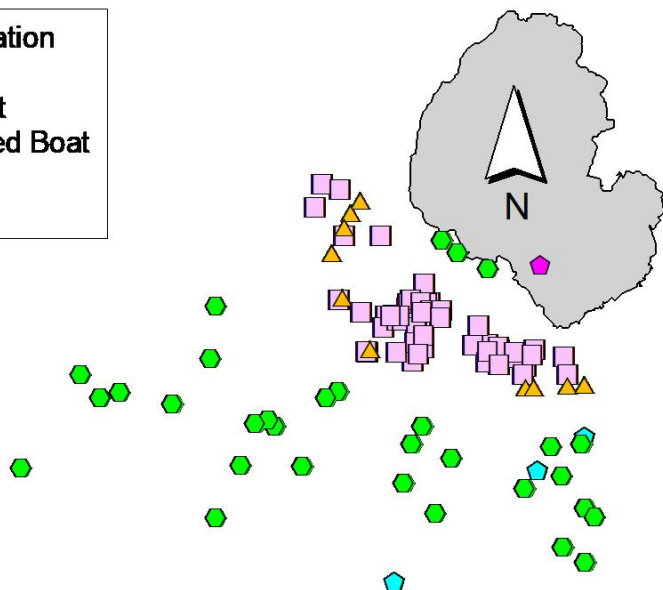
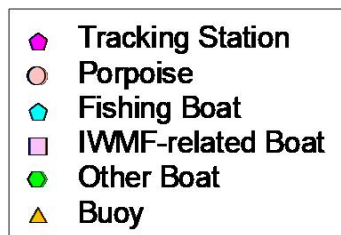
April 13th



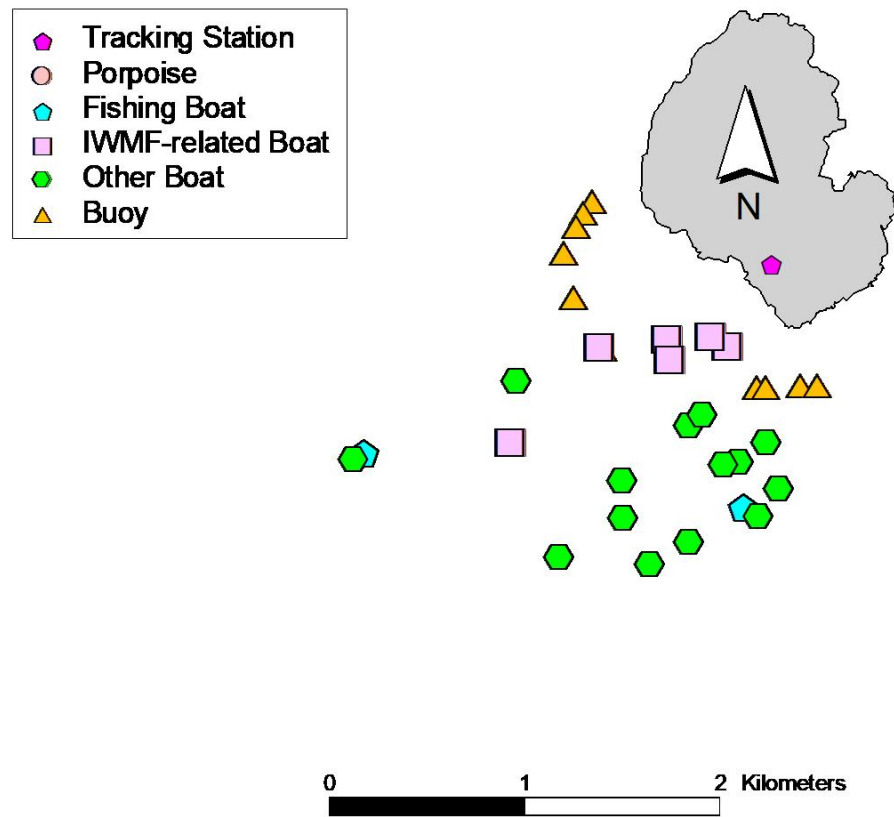
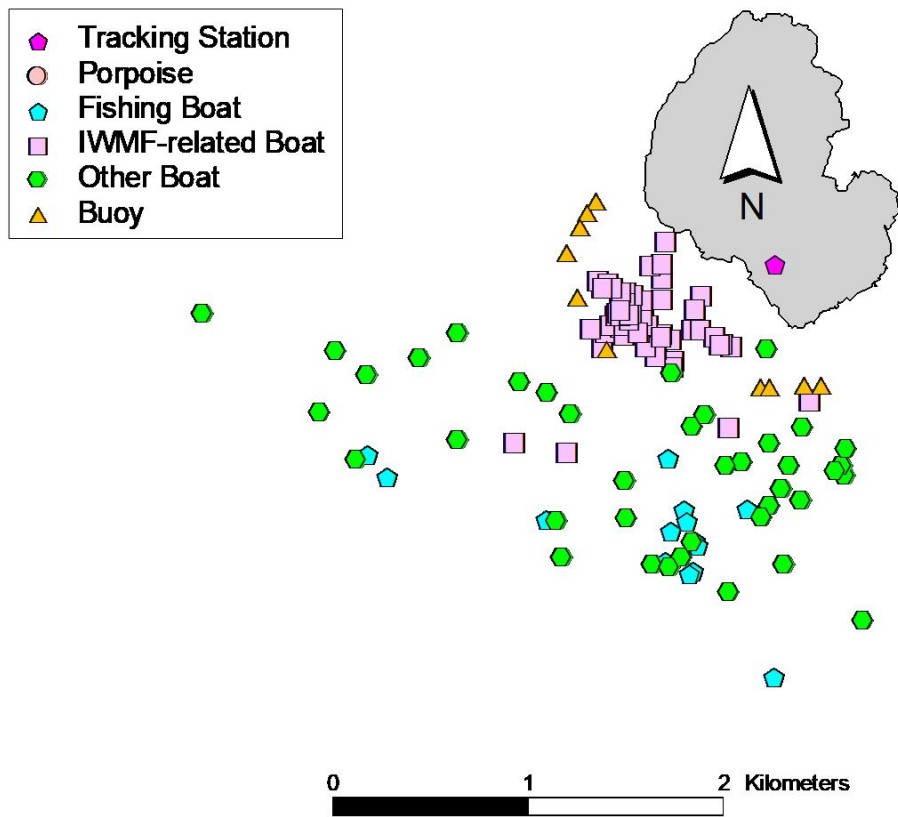
April 18th



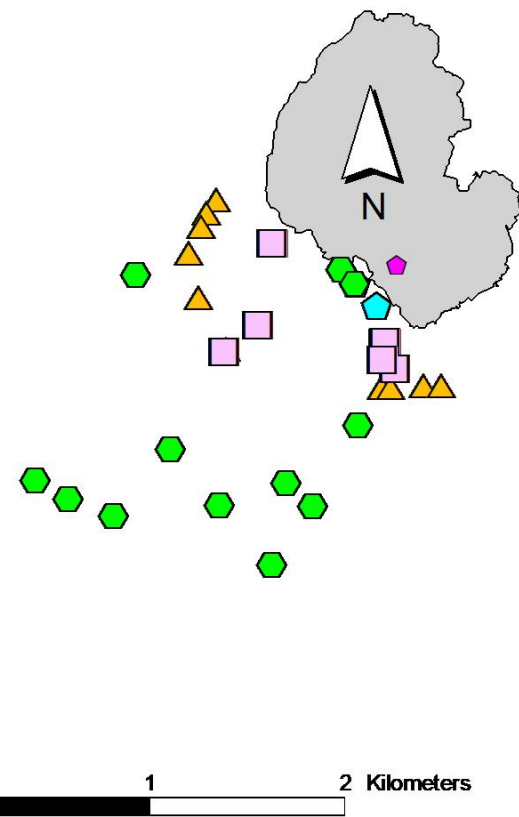
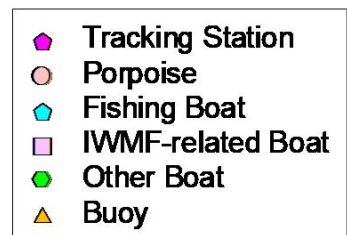
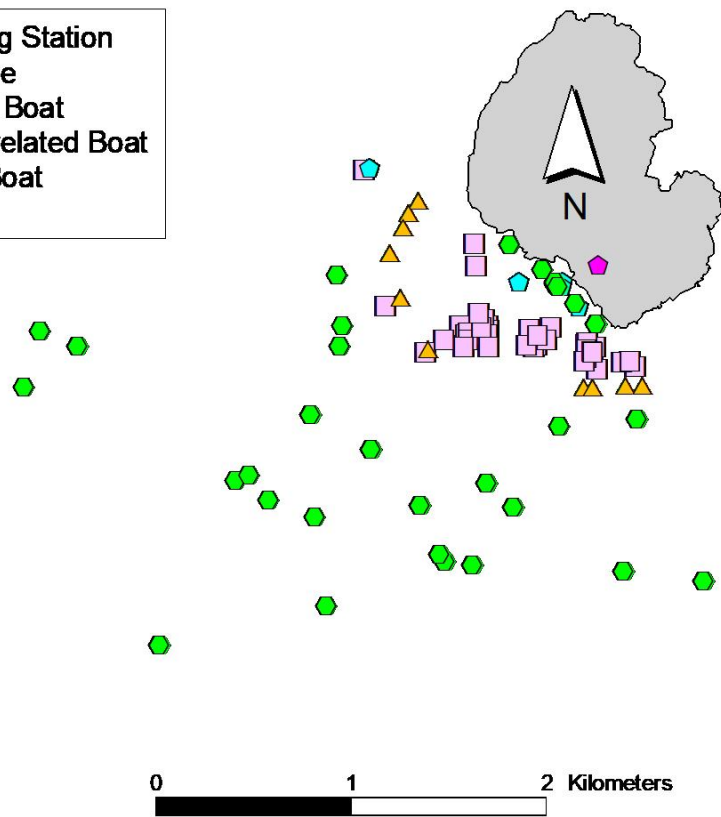
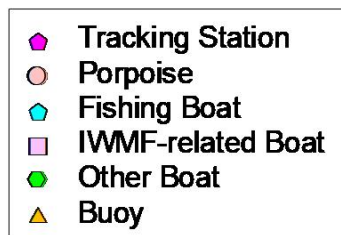
April 20th



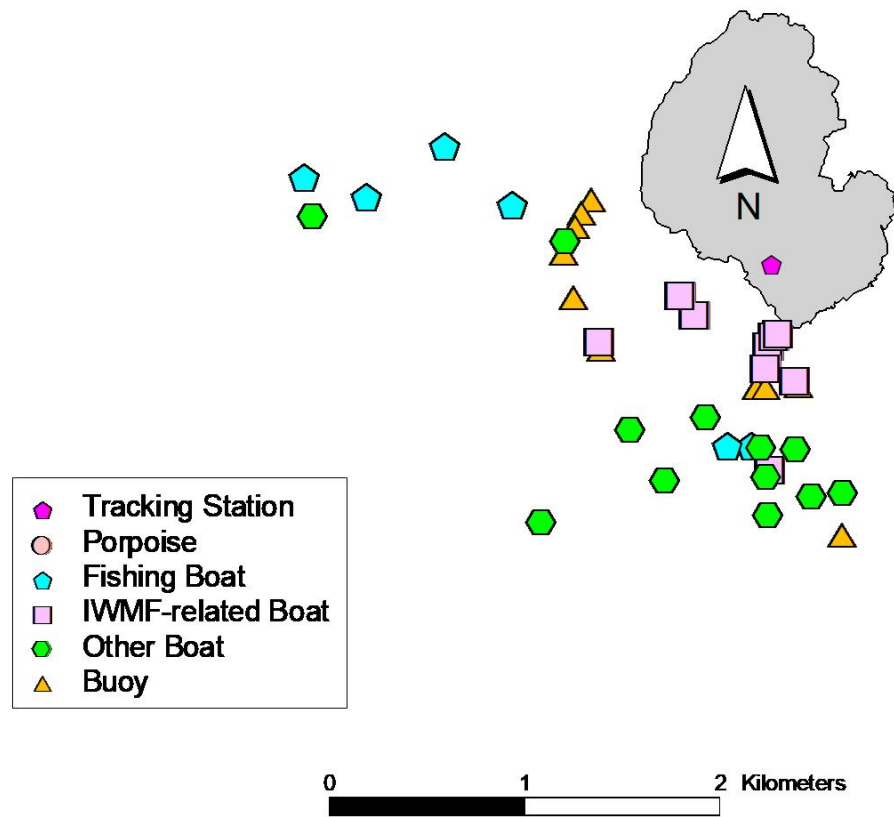
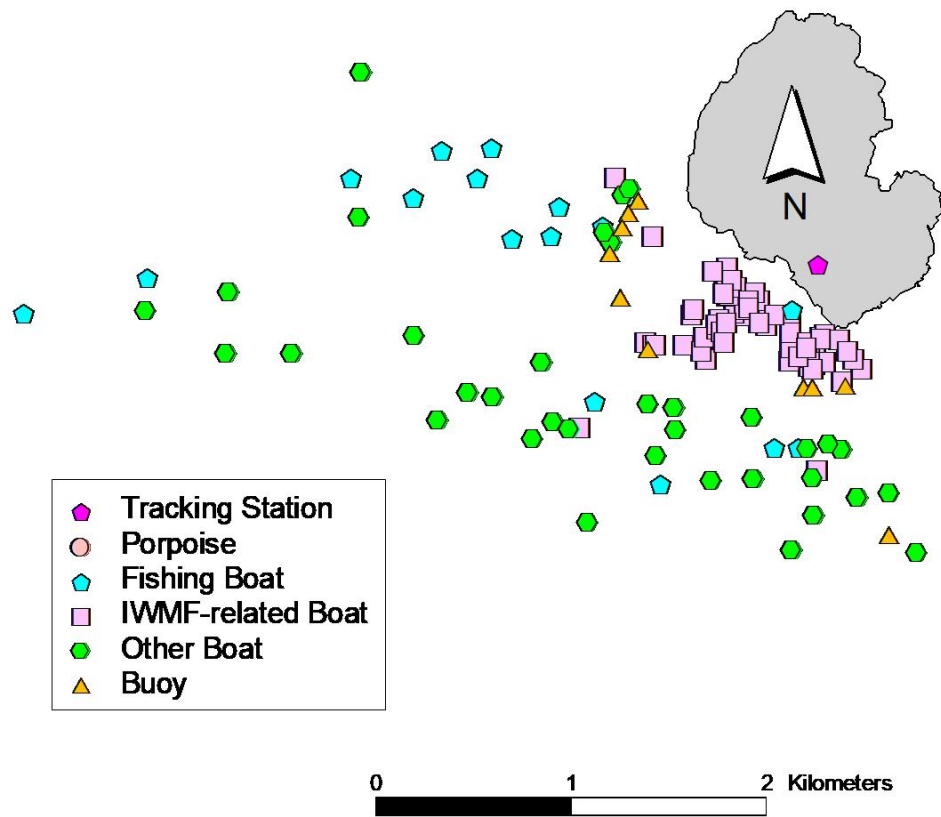
April 25th



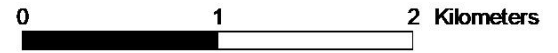
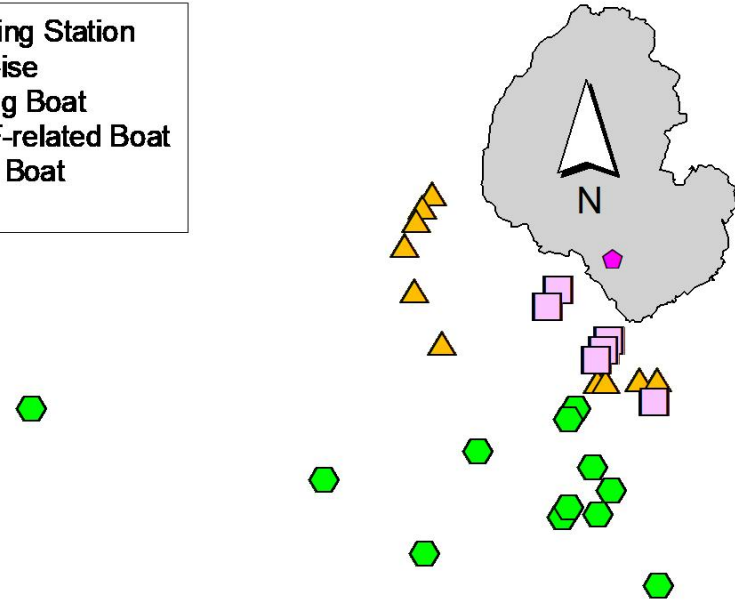
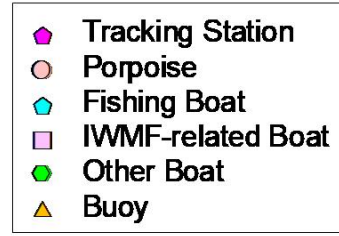
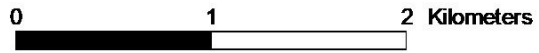
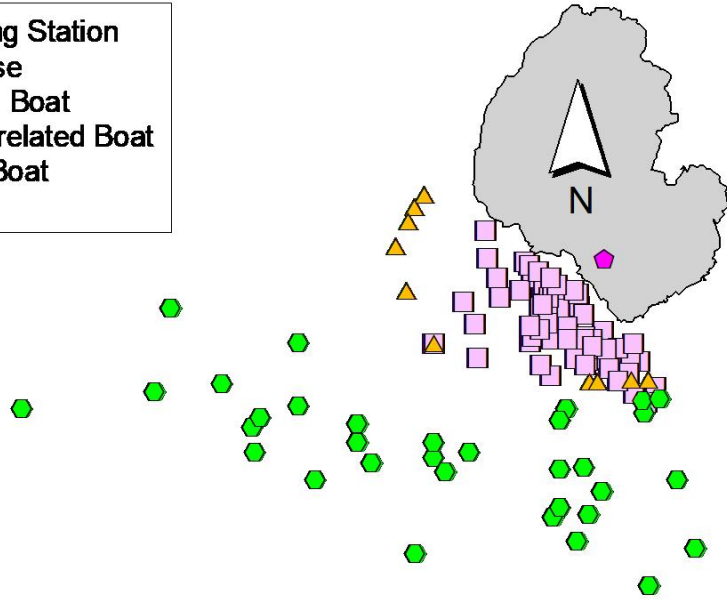
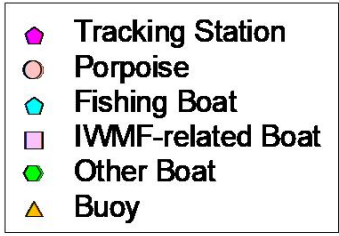
April 27th



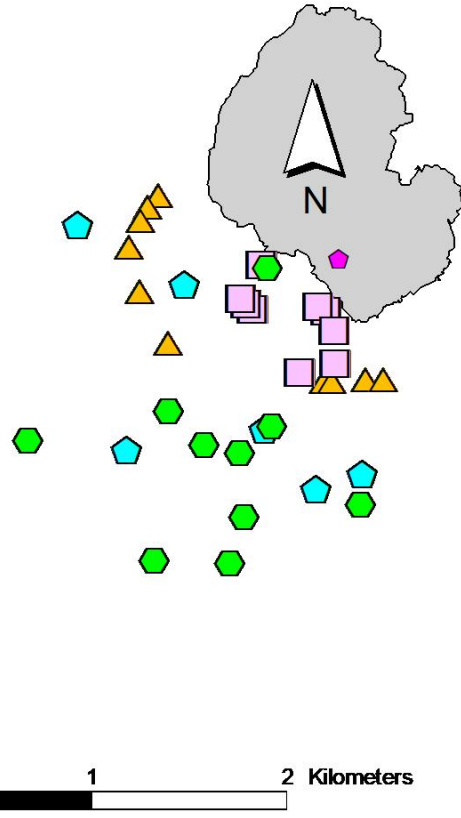
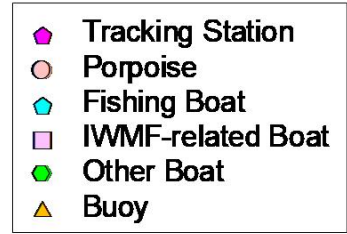
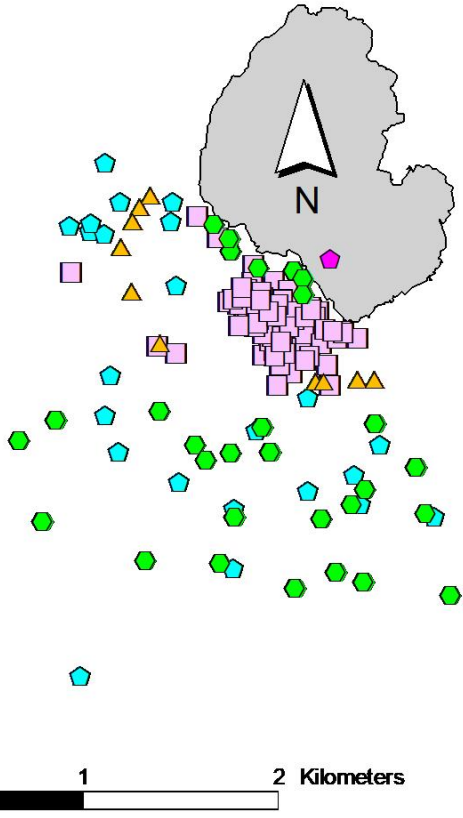
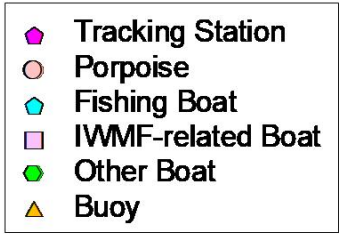
April 30th



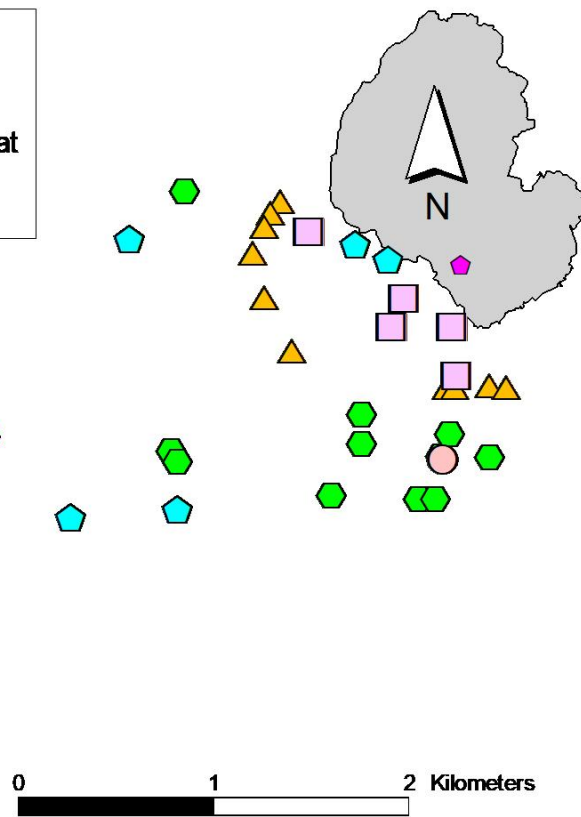
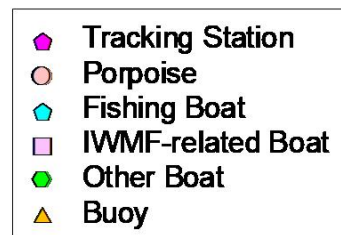
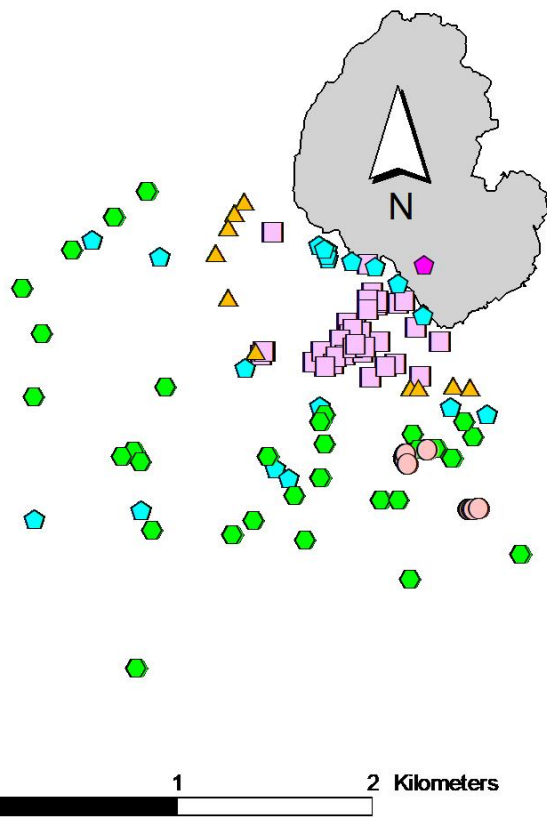
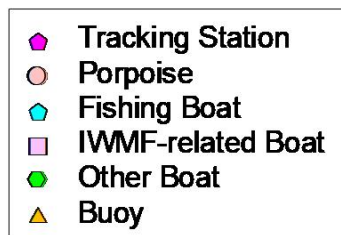
May 2nd



May 3rd



May 11th



May 14th

Appendix III. Track log data for IWMF EM&A study on porpoise movement and behaviour

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horiz Degrees	Fix Horiz Minutes	Fix Horiz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
30-Jan-18	9:13:29	Zero	Stationary	96	5	30		0	0	22.19598	113.98443	699.70	320.24
30-Jan-18	9:15:51	Porpoise	Surface	108	30	20	292	1	20	22.19053	113.98671	222.98	252.26
30-Jan-18	9:16:32	Porpoise	Surface	107	58	0	287	53	20	22.19037	113.98670	230.15	248.13
30-Jan-18	9:16:51	Porpoise	Surface	107	43	40	289	7	10	22.19040	113.98665	233.46	249.36
30-Jan-18	9:17:16	Porpoise	Surface	106	37	10	291	40	50	22.19044	113.98647	250.04	251.92
30-Jan-18	9:17:36	Porpoise	Surface	105	43	40	293	45	20	22.19048	113.98630	265.02	254.00
30-Jan-18	9:19:24	Porpoise	Surface	107	15	10	304	11	30	22.19093	113.98645	240.30	264.43
30-Jan-18	9:22:47	Porpoise	Surface	109	8	10	291	12	50	22.19052	113.98680	215.05	251.45
30-Jan-18	9:23:30	Porpoise	Surface	110	56	10	283	53	20	22.19037	113.98707	195.03	244.13
30-Jan-18	9:24:04	Porpoise	Surface	109	25	10	280	33	30	22.19021	113.98698	211.66	240.80
30-Jan-18	9:26:14	Porpoise	Surface	110	12	40	283	22	10	22.19033	113.98701	202.67	243.61
30-Jan-18	9:26:32	Porpoise	Surface	110	15	30	288	43	30	22.19049	113.98694	202.15	248.97
30-Jan-18	9:29:06	Porpoise	Surface	110	1	20	292	49	40	22.19060	113.98667	204.73	253.07
30-Jan-18	9:29:35	Porpoise	Surface	109	22	10	288	9	50	22.19044	113.98686	212.21	248.40
30-Jan-18	9:31:13	Porpoise	Surface	110	36	50	294	30	20	22.19067	113.98692	198.33	254.75
30-Jan-18	9:37:43	Porpoise	Surface	110	32	50	299	39	10	22.19082	113.98687	198.99	259.89
30-Jan-18	9:38:21	Porpoise	Surface	98	35	10	267	38	40	22.18816	113.98522	494.10	227.88
30-Jan-18	9:38:33	Porpoise	Surface	98	36	40	267	1	10	22.18815	113.98524	492.64	227.64
30-Jan-18	9:40:08	Porpoise	Surface	98	37	20	267	51	10	22.18818	113.98522	491.97	228.09
30-Jan-18	9:40:47	Porpoise	Surface	98	26	10	268	25	0	22.18815	113.98511	502.99	228.66
30-Jan-18	9:40:53	Porpoise	Surface	98	27	50	268	33	30	22.18817	113.98511	501.31	228.80
30-Jan-18	9:41:04	Porpoise	Surface	98	32	20	267	55	50	22.18816	113.98518	496.84	228.17
30-Jan-18	9:42:21	Porpoise	Surface	111	12	10	289	48	30	22.19055	113.98702	192.25	250.05
30-Jan-18	9:49:02	Porpoise	Surface	101	48	20	279	32	50	22.18952	113.98578	356.86	239.79
30-Jan-18	9:49:11	Porpoise	Surface	101	45	30	280	8	50	22.18955	113.98575	358.34	240.39
30-Jan-18	9:53:21	Porpoise	Surface	107	48	0	284	38	0	22.19025	113.98673	232.32	244.87
30-Jan-18	9:58:10	Porpoise	Surface	105	6	0	297	44	30	22.19062	113.98615	276.47	257.98
30-Jan-18	10:01:31	Porpoise	Surface	104	7	0	258	49	10	22.18907	113.98696	296.64	219.06
30-Jan-18	10:02:03	Porpoise	Surface	102	48	40	262	21	30	22.18897	113.98662	328.08	222.60
30-Jan-18	10:04:47	Porpoise	Surface	105	55	50	275	19	10	22.18981	113.98668	261.37	235.56
30-Jan-18	10:05:03	Porpoise	Surface	105	42	50	277	4	40	22.18985	113.98661	265.17	237.32
30-Jan-18	10:06:11	Porpoise	Surface	106	55	0	282	52	20	22.19014	113.98665	245.30	243.11
30-Jan-18	10:07:01	Porpoise	Surface	106	53	40	276	35	20	22.18993	113.98678	245.65	236.83
30-Jan-18	10:07:35	Porpoise	Surface	107	50	10	278	40	10	22.19006	113.98665	231.87	238.91
30-Jan-18	10:10:48	Porpoise	Surface	106	22	40	284	35	20	22.19017	113.98654	253.87	244.83
30-Jan-18	10:11:38	Porpoise	Surface	104	18	50	292	4	20	22.19034	113.98607	292.43	252.31
30-Jan-18	10:13:22	Porpoise	Surface	101	49	20	295	48	30	22.19037	113.98542	356.50	256.05
30-Jan-18	10:13:55	Porpoise	Surface	100	40	40	298	9	30	22.19042	113.98501	395.78	258.40
30-Jan-18	10:17:03	Porpoise	Surface	104	33	40	301	20	30	22.19076	113.98602	287.28	261.58
30-Jan-18	10:17:13	Porpoise	Surface	104	28	30	302	47	10	22.19082	113.98599	289.06	263.03
30-Jan-18	10:17:26	Porpoise	Surface	104	10	10	303	57	10	22.19087	113.98592	295.57	264.19
30-Jan-18	10:17:59	Porpoise	Surface	102	51	20	303	40	0	22.19083	113.98562	327.00	263.91
30-Jan-18	10:19:34	Porpoise	Surface	101	11	50	305	57	10	22.19091	113.98512	377.00	266.19
30-Jan-18	10:19:46	Porpoise	Surface	100	56	40	305	57	0	22.19091	113.98504	385.94	266.19
30-Jan-18	10:19:53	Porpoise	Surface	100	53	10	306	35	50	22.19095	113.98501	388.06	266.84
30-Jan-18	10:20:03	Porpoise	Surface	100	51	30	307	32	30	22.19100	113.98500	389.08	267.78
30-Jan-18	10:20:10	Porpoise	Surface	100	43	30	308	2	50	22.19103	113.98495	394.04	268.29
30-Jan-18	10:20:21	Porpoise	Surface	100	38	10	309	5	40	22.19110	113.98492	397.41	269.33
30-Jan-18	10:20:31	Porpoise	Surface	100	25	30	309	51	10	22.19114	113.98484	405.65	270.09
30-Jan-18	10:20:44	Porpoise	Surface	100	11	10	310	15	30	22.19117	113.98474	415.38	270.50
30-Jan-18	10:20:54	Porpoise	Surface	99	58	20	310	27	0	22.19118	113.98465	424.49	270.69
30-Jan-18	10:21:08	Porpoise	Surface	99	50	50	310	27	40	22.19119	113.98460	429.98	270.70
30-Jan-18	10:26:07	Porpoise	Surface	100	25	30	309	28	50	22.19112	113.98483	405.69	269.72
30-Jan-18	10:33:14	Porpoise	Surface	99	53	20	301	42	50	22.19060	113.98466	428.22	261.95
30-Jan-18	10:33:27	Porpoise	Surface	100	13	20	300	54	30	22.19057	113.98480	413.97	261.15
30-Jan-18	10:34:19	Porpoise	Surface	101	10	0	295	18	20	22.19029	113.98522	378.16	255.55
30-Jan-18	10:35:40	Porpoise	Surface	100	33	0	284	54	30	22.18962	113.98524	400.84	245.15
30-Jan-18	10:36:25	Porpoise	Surface	100	8	20	279	43	10	22.18926	113.98527	417.47	239.96
30-Jan-18	10:36:41	Porpoise	Surface	99	58	0	277	54	40	22.18912	113.98527	424.84	238.15
30-Jan-18	10:37:00	Porpoise	Surface	99	44	10	276	5	40	22.18897	113.98526	435.11	236.33
30-Jan-18	10:37:15	Porpoise	Surface	99	29	30	275	41	0	22.18889	113.98518	446.54	235.92
30-Jan-18	10:39:06	Porpoise	Surface	100	5	20	279	19	50	22.18923	113.98526	419.60	239.57
30-Jan-18	10:39:47	Porpoise	Surface	100	1	20	284	13	20	22.18950	113.98507	422.46	244.46
30-Jan-18	10:40:50	Porpoise	Surface	101	11	30	293	40	30	22.19020	113.98525	377.34	253.92
30-Jan-18	10:41:42	Porpoise	Surface	102	40	40	293	16	50	22.19026	113.98558	343.05	253.52
30-Jan-18	10:42:24	Porpoise	Surface	102	22	40	292	56	0	22.19025	113.98561	340.19	253.17
30-Jan-18	10:42:24	Porpoise	Surface	103	12	50	291	56	30	22.19026	113.98584	317.95	252.18
30-Jan-18	10:43:00	Porpoise	Surface	103	47	0	293	11	40	22.19036	113.98594	304.33	253.43
30-Jan-18	10:43:22	Porpoise	Surface	103	9	50	294	29	0	22.19038	113.98578	319.21	254.72
30-Jan-18	10:43:37	Porpoise	Surface	102	53	0	295	29	20	22.19041	113.98570	326.41	255.73
30-Jan-18	10:44:10	Porpoise	Surface	102	46	20	300	17	10	22.19065	113.98562	329.35	260.53
30-Jan-18	10:45:04	Speedboat	Travelling	99	23	0	230	47	30	22.18715	113.98794	451.85	191.03
30-Jan-18	10:46:11	Speedboat	Travelling	93	46	50	279	33	0	22.18602	113.97928	1131.29	239.79
30-Jan-18	10:46:51	Speedboat	Travelling	92	35	50	286	15	50	22.18522	113.97407	1650.50	246.50
30-Jan-18	10:48:03	Porpoise	Surface	99	50	20	274	37	10	22.18891	113.98536	430.56	234.86
30-Jan-18	10:48:42	Porpoise	Surface	101	31	40	272	50	20	22.18916	113.98593	366.09	233.08
30-Jan-18	10:50:22	Porpoise	Surface	98	12	0	280	25	10	22.18885	113.98439	518.25	240.66
30-Jan-18	10:53:43	Porpoise	Surface	111	34	30	283	25	40	22.19039	113.98713	188.83	243.67
30-Jan-18	10:54:05	Porpoise	Surface	110	58	40	283	47	20	22.19037	113.98708	194.74	244.03
30-Jan-18	10:54:13	Porpoise	Surface	110	39	20	284	12	20	22.19037	113.98704	198.07	244.45
30-Jan-18	10:54:32	Porpoise	Surface	109	38	0	285	15					

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
30-Jan-18	11:18:46	Porpoise	Surface	108	43	20	284	37	50	22.19030	113.98684	220.41	244.87
30-Jan-18	11:18:51	Porpoise	Surface	108	43	30	284	38	0	22.19030	113.98684	220.38	244.87
30-Jan-18	11:18:56	Porpoise	Surface	108	6	40	285	26	50	22.19029	113.98675	229.40	245.69
30-Jan-18	11:19:02	Porpoise	Surface	107	51	50	286	23	10	22.19031	113.98671	231.78	246.63
30-Jan-18	11:31:30	Container Boat	Travelling	93	19	50	256	37	0	22.18188	113.98128	1286.08	216.86
30-Jan-18	11:34:49	Container Boat	Travelling	93	49	0	226	13	0	22.18111	113.98755	1121.48	186.46
30-Jan-18	11:36:42	Porpoise	Surface	103	14	30	280	15	40	22.18973	113.98609	317.57	240.50
30-Jan-18	11:37:50	Porpoise	Surface	103	34	30	285	6	0	22.18998	113.98604	309.48	245.34
30-Jan-18	11:41:41	Porpoise	Surface	103	5	10	294	22	10	22.19037	113.98577	321.51	254.61
30-Jan-18	11:44:25	Porpoise	Surface	102	22	20	253	30	40	22.18859	113.98694	340.72	213.75
30-Jan-18	11:45:12	Porpoise	Surface	102	59	10	256	5	40	22.18879	113.98691	324.09	216.33
30-Jan-18	11:45:49	Porpoise	Surface	103	2	10	257	10	10	22.18883	113.98687	322.81	217.41
30-Jan-18	11:46:13	Porpoise	Surface	103	7	30	259	45	20	22.18893	113.98678	320.55	220.00
30-Jan-18	11:46:29	Porpoise	Surface	103	6	10	262	9	30	22.18900	113.98667	321.11	222.40
30-Jan-18	11:46:59	Porpoise	Surface	102	34	20	265	59	50	22.18905	113.98643	335.14	226.24
30-Jan-18	11:47:10	Porpoise	Surface	102	26	50	267	54	40	22.18911	113.98633	338.62	228.15
30-Jan-18	11:48:07	Porpoise	Surface	101	49	0	270	4	10	22.18909	113.98611	357.27	230.31
30-Jan-18	11:48:28	Porpoise	Surface	101	38	30	267	35	30	22.18895	113.98616	362.79	232.83
30-Jan-18	11:49:27	Porpoise	Surface	102	11	0	270	28	0	22.18917	113.98617	346.20	230.71
30-Jan-18	11:49:56	Porpoise	Surface	102	0	50	267	36	40	22.18902	113.98625	351.24	227.85
30-Jan-18	11:52:05	Porpoise	Surface	102	31	30	267	11	0	22.18909	113.98637	336.48	227.42
30-Jan-18	11:52:14	Porpoise	Surface	102	43	40	267	53	40	22.18915	113.98638	330.94	228.13
30-Jan-18	11:52:24	Porpoise	Surface	103	1	50	268	46	30	22.18923	113.98641	322.99	229.02
30-Jan-18	11:52:51	Porpoise	Surface	103	20	0	273	8	0	22.18945	113.98632	315.39	233.37
30-Jan-18	11:53:42	Porpoise	Surface	103	35	10	279	47	20	22.18975	113.98617	309.31	240.03
30-Jan-18	11:53:59	Porpoise	Surface	103	23	40	281	23	10	22.18980	113.98609	313.91	241.63
30-Jan-18	11:54:49	Porpoise	Surface	103	17	20	288	17	30	22.19010	113.98592	316.50	248.53
30-Jan-18	11:55:28	Porpoise	Surface	103	36	0	294	14	20	22.19039	113.98588	308.99	254.48
30-Jan-18	11:56:57	Porpoise	Surface	104	31	0	305	13	10	22.19093	113.98598	288.70	265.46
30-Jan-18	11:57:52	Porpoise	Surface	102	59	30	308	32	40	22.19108	113.98563	324.02	268.78
30-Jan-18	11:59:06	Porpoise	Surface	100	35	20	307	21	40	22.19099	113.98489	399.92	267.60
30-Jan-18	12:01:27	Porpoise	Surface	101	26	20	291	31	20	22.19010	113.98537	369.49	251.76
30-Jan-18	12:01:46	Porpoise	Surface	102	6	10	298	51	20	22.19007	113.98559	348.65	250.10
30-Jan-18	12:04:23	Container Boat	Travelling	92	14	10	279	18	30	22.18237	113.97268	1921.94	239.55
30-Jan-18	12:05:20	Porpoise	Surface	101	26	0	308	27	20	22.19106	113.98519	369.70	268.70
30-Jan-18	12:05:57	Porpoise	Surface	100	58	0	310	38	50	22.19119	113.98503	385.86	270.89
30-Jan-18	12:07:54	Porpoise	Surface	107	7	10	289	55	20	22.19040	113.98656	242.74	250.16
30-Jan-18	12:08:04	Porpoise	Surface	106	55	40	291	27	0	22.19044	113.98651	245.66	251.69
30-Jan-18	12:08:26	Porpoise	Surface	105	56	0	291	56	20	22.19042	113.98635	261.89	252.18
30-Jan-18	12:10:32	Porpoise	Surface	102	42	20	282	59	10	22.18979	113.98590	331.65	243.23
30-Jan-18	12:10:37	Porpoise	Surface	102	52	40	282	35	20	22.18979	113.98595	327.06	242.83
30-Jan-18	12:11:04	Container Boat	Travelling	92	57	50	243	4	40	22.17918	113.98321	1447.20	203.32
30-Jan-18	12:12:26	Porpoise	Surface	102	9	30	289	1	10	22.19003	113.98562	347.08	249.26
30-Jan-18	12:13:13	Porpoise	Surface	103	0	10	290	45	40	22.19019	113.98580	323.82	251.00
30-Jan-18	12:13:28	Porpoise	Surface	102	54	10	292	12	30	22.19025	113.98575	326.42	252.45
30-Jan-18	12:14:04	Porpoise	Surface	102	43	0	296	36	30	22.19046	113.98564	331.37	256.85
30-Jan-18	12:16:19	Porpoise	Surface	103	35	20	286	31	40	22.19004	113.98601	309.37	246.77
30-Jan-18	12:16:28	Porpoise	Surface	103	35	20	284	31	10	22.18995	113.98606	309.37	244.76
30-Jan-18	12:16:38	Porpoise	Surface	103	51	50	281	43	40	22.18986	113.98618	302.99	241.97
30-Jan-18	12:18:28	Porpoise	Surface	105	50	50	284	51	30	22.19014	113.98546	263.44	245.10
30-Jan-18	12:19:23	Porpoise	Surface	107	17	0	271	26	0	22.18980	113.98695	240.34	231.67
30-Jan-18	12:20:05	Porpoise	Surface	105	17	20	269	18	40	22.18954	113.98675	273.57	229.55
30-Jan-18	12:23:24	Porpoise	Surface	100	54	20	263	7	20	22.18860	113.98619	388.19	223.36
30-Jan-18	12:23:43	Porpoise	Surface	100	40	0	261	56	30	22.18849	113.98619	397.11	222.18
30-Jan-18	12:23:52	Porpoise	Surface	100	40	20	261	2	0	22.18845	113.98623	396.89	221.27
30-Jan-18	12:25:24	Porpoise	Surface	101	41	20	268	56	40	22.18901	113.98612	361.52	229.18
30-Jan-18	12:26:07	Porpoise	Surface	102	26	50	271	24	40	22.18925	113.98620	338.85	231.65
30-Jan-18	12:27:05	Porpoise	Surface	100	42	0	275	27	10	22.18913	113.98560	395.86	235.69
30-Jan-18	12:27:11	Porpoise	Surface	100	50	40	275	37	10	22.18917	113.98564	390.46	235.86
30-Jan-18	12:27:36	Porpoise	Surface	100	15	50	276	1	40	22.18909	113.98543	413.08	236.48
30-Jan-18	12:30:08	Porpoise	Surface	102	44	30	274	57	10	22.18944	113.98614	330.79	235.19
30-Jan-18	12:30:29	Porpoise	Surface	102	47	40	279	35	20	22.18965	113.98601	329.38	239.83
30-Jan-18	12:33:54	Porpoise	Surface	104	4	20	285	37	10	22.19004	113.98613	298.41	245.86
30-Jan-18	12:34:02	Porpoise	Surface	104	5	20	285	37	40	22.19004	113.98613	298.05	245.87
30-Jan-18	12:34:07	Porpoise	Surface	104	4	10	285	12	0	22.19002	113.98614	298.48	245.44
30-Jan-18	12:34:19	Porpoise	Surface	104	15	50	284	26	40	22.19001	113.98619	294.24	244.67
30-Jan-18	12:34:46	Porpoise	Surface	104	26	0	283	56	40	22.19000	113.98623	290.64	244.18
30-Jan-18	12:34:53	Porpoise	Surface	104	41	30	283	15	30	22.18999	113.98630	285.30	243.50
30-Jan-18	12:35:09	Porpoise	Surface	104	25	10	285	5	0	22.19005	113.98621	290.93	245.32
30-Jan-18	12:35:16	Porpoise	Surface	104	13	50	286	11	40	22.19008	113.98615	294.96	246.43
30-Jan-18	12:35:40	Porpoise	Surface	104	34	40	286	6	10	22.19010	113.98622	287.64	246.34
30-Jan-18	12:36:09	Porpoise	Surface	103	41	10	287	16	30	22.19008	113.98602	307.19	247.52
30-Jan-18	12:36:56	Porpoise	Surface	106	22	10	286	26	30	22.19023	113.98650	254.67	246.68
30-Jan-18	12:38:04	Porpoise	Surface	105	0	30	278	57	20	22.18985	113.98645	279.02	239.20
30-Jan-18	12:38:14	Porpoise	Surface	105	5	40	278	21	30	22.18984	113.98648	277.36	238.60
30-Jan-18	12:39:07	Porpoise	Surface	105	10	50	275	24	40	22.18974	113.98657	275.71	235.65
30-Jan-18	12:40:17	Porpoise	Surface	104	21	40	268	15	30	22.18940	113.98665	292.19	228.50
30-Jan-18	12:40:38	Porpoise	Surface	101	19	50	269	21	20	22.18896	113.98601	373.38	229.60
30-Jan-18	12:41:38	Porpoise	Surface	101	36	0	262	15	10	22.18872	113.98638	364.48	222.49
30-Jan-18	12:41:54	Porpoise	Surface	101	37	50	262	54	50	22.18875	113.98636	363.49	223.15
30-Jan-18	12:42:59	Porpoise	Surface	102	20	50	265	48	50	22.18900	113.98639	341.79	226.05
30-Jan-18	12:43:04	Porpoise	Surface	102	20	50	265	19	50	22.18899	113.98641	341.79	225.57
30-Jan-18	12:45:57	Porpoise	Surface	105	49	0	261	30	40	22.18937	113.98707	284.10	221.75
30-Jan-18	12:46:24	Porpoise	Surface	105	2	30	262	30	40	22.18930	113.98694	278.41	222.75
30-Jan-18	12:57:47	Porpoise	Surface	106	48	30	280	14	10	22.19004	113.98668	247.72	240.48
30-Jan-18	12:58:19	Porpoise	Surface	107	55	30	287	50	20	22.19036	113.98669	231.34	248.08
30-Jan-18	12:59:34	Porpoise	Surface	106	41	20	283	27	40	22.19014	113.98660	249.61	243.70
30-Jan-18	13:00:45	Container Boat	Travelling	92	4	50	270	53	30	22.17945	113.97312	2069.09	231.13
30-Jan-18	13:00:54	Container Boat	Travelling	91	43	50	285	34	40	22.18195	113.96668	2492.92	245.82
30-Jan-18	13:03:39	Porpoise	Surface	98	32	40	298	24	10	22.19026	113.98403	498	

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
30-Jan-18	13:35:38	Porpoise	Surface	103	23	40	252	11	20	22.18875	113.98714	314.40	212.43
30-Jan-18	13:36:30	Porpoise	Surface	107	48	10	265	15	10	22.18989	113.98713	233.13	226.49
30-Jan-18	13:38:46	Porpoise	Surface	110	48	30	269	2	20	22.18998	113.98733	196.97	229.28
30-Jan-18	13:39:52	Government Boat	Travelling	96	8	30	244	53	20	22.18547	113.98591	695.92	205.13
30-Jan-18	13:40:54	Porpoise	Surface	103	41	20	252	42	30	22.18882	113.98715	307.31	212.95
30-Jan-18	13:41:47	Porpoise	Surface	105	26	20	250	2	40	22.18903	113.98745	271.01	210.28
30-Jan-18	13:42:13	Porpoise	Surface	105	25	50	251	38	0	22.18907	113.98739	271.16	211.87
30-Jan-18	13:42:20	Porpoise	Surface	105	30	20	251	9	50	22.18907	113.98741	269.78	211.40
30-Jan-18	13:42:46	Porpoise	Surface	107	14	0	255	9	40	22.18937	113.98742	241.28	215.40
30-Jan-18	13:42:50	Porpoise	Surface	107	14	0	255	19	40	22.18937	113.98741	241.28	215.57
30-Jan-18	13:44:15	Porpoise	Surface	107	44	50	264	4	0	22.18963	113.98719	233.83	224.31
30-Jan-18	13:44:43	Government Boat	Travelling	92	4	30	279	30	10	22.18173	113.97136	2074.68	239.74
30-Jan-18	13:47:28	Porpoise	Surface	109	32	40	277	7	0	22.19012	113.98705	210.78	237.36
30-Jan-18	13:47:39	Porpoise	Surface	109	16	10	279	59	30	22.19018	113.98697	214.03	240.23
30-Jan-18	13:48:15	Porpoise	Surface	107	42	40	288	34	50	22.19038	113.98665	234.30	248.82
30-Jan-18	13:51:30	Porpoise	Surface	109	41	10	289	38	10	22.19049	113.98687	209.10	249.88
30-Jan-18	13:52:21	Porpoise	Surface	105	1	40	305	50	0	22.19097	113.98608	278.66	266.07
30-Jan-18	13:53:07	Porpoise	Surface	102	13	20	306	48	20	22.19098	113.98543	345.38	287.05
30-Jan-18	13:54:31	Porpoise	Surface	99	55	30	307	57	0	22.19102	113.98462	427.56	268.19
30-Jan-18	13:57:48	Porpoise	Surface	100	25	30	296	37	40	22.19031	113.98493	406.56	256.87
30-Jan-18	14:00:40	Porpoise	Surface	101	1	30	289	1	40	22.18992	113.98529	383.87	249.27
30-Jan-18	14:01:44	Porpoise	Surface	101	16	30	290	16	40	22.19001	113.98534	375.12	250.52
30-Jan-18	14:01:52	Porpoise	Surface	101	13	40	290	54	50	22.19004	113.98531	376.74	251.15
30-Jan-18	14:01:57	Porpoise	Surface	101	10	40	291	42	30	22.19008	113.98528	378.47	251.95
30-Jan-18	14:06:10	Porpoise	Surface	105	39	30	291	8	40	22.19037	113.98632	266.74	251.38
30-Jan-18	14:09:03	Porpoise	Surface	102	6	50	293	46	40	22.19028	113.98552	348.32	254.02
30-Jan-18	14:09:08	Porpoise	Surface	102	5	50	293	42	30	22.19027	113.98552	348.81	253.95
30-Jan-18	14:09:30	Porpoise	Surface	101	51	10	292	4435	0	22.19019	113.98547	356.22	252.79
30-Jan-18	14:13:42	Porpoise	Surface	105	23	50	276	39	10	22.18980	113.98657	271.41	236.89
30-Jan-18	14:14:32	Porpoise	Surface	105	46	50	280	31	10	22.18998	113.98653	264.47	240.76
30-Jan-18	14:14:57	Porpoise	Surface	105	40	30	280	9	20	22.18995	113.98653	266.34	240.40
30-Jan-18	14:15:51	Porpoise	Surface	107	24	50	278	3	20	22.19001	113.98681	238.28	238.30
30-Jan-18	14:16:08	Porpoise	Surface	107	38	40	275	54	30	22.18996	113.98688	234.96	236.15
30-Jan-18	14:16:51	Porpoise	Surface	108	18	10	287	10	0	22.19036	113.98675	225.93	247.41
30-Jan-18	14:18:33	Porpoise	Surface	103	32	40	287	26	20	22.19008	113.98599	310.21	247.68
30-Jan-18	14:21:20	Porpoise	Surface	105	3	0	289	26	40	22.19027	113.98625	277.88	249.68
30-Jan-18	14:23:35	Porpoise	Surface	103	12	0	284	30	10	22.18992	113.98598	318.54	244.74
30-Jan-18	14:23:58	Porpoise	Surface	102	56	40	288	4	0	22.19006	113.98584	325.05	248.31
30-Jan-18	14:26:06	Porpoise	Surface	103	44	10	288	31	10	22.19014	113.98601	305.61	248.76
30-Jan-18	14:26:23	Porpoise	Surface	104	2	20	290	28	20	22.19025	113.98604	298.76	250.71
30-Jan-18	14:27:30	Porpoise	Surface	105	57	20	295	35	10	22.19056	113.98632	261.27	255.83
30-Jan-18	14:27:57	Porpoise	Surface	105	53	40	295	5	0	22.19054	113.98631	262.32	255.32
30-Jan-18	14:28:05	Porpoise	Surface	105	44	50	295	32	20	22.19055	113.98628	264.90	255.78
30-Jan-18	14:28:12	Porpoise	Surface	105	39	30	295	39	10	22.19055	113.98627	266.48	255.89
30-Jan-18	14:31:10	Porpoise	Surface	101	18	0	296	17	20	22.19036	113.98524	373.80	256.53
30-Jan-18	14:31:17	Porpoise	Surface	101	18	0	297	43	0	22.19044	113.98522	373.80	257.96
30-Jan-18	14:32:31	Porpoise	Surface	99	55	20	305	21	20	22.19084	113.98464	426.98	265.60
30-Jan-18	14:33:40	Porpoise	Surface	101	30	40	310	5	40	22.19116	113.98521	366.72	270.33
30-Jan-18	14:37:38	Government Boat	Travelling	92	14	10	235	50	0	22.17454	113.98301	1919.45	196.07
30-Jan-18	14:39:02	Government Boat	Stationary	93	11	40	322	3	20	22.19371	113.97605	1340.17	282.30
30-Jan-18	14:40:56	Government Boat	Travelling	92	57	30	281	23	40	22.18495	113.97640	1447.68	241.63
30-Jan-18	14:43:14	Government Boat	Stationary	92	40	30	300	41	30	22.18887	113.97340	1601.91	260.93
30-Jan-18	14:43:33	Government Boat	Stationary	93	27	20	314	38	50	22.19209	113.97679	1238.10	274.89
30-Jan-18	14:46:20	Porpoise	Surface	101	50	10	301	25	40	22.19067	113.98535	356.17	261.67
30-Jan-18	14:48:22	Government Boat	Travelling	93	26	0	323	13	40	22.19375	113.97700	1245.90	283.47
30-Jan-18	14:49:56	Container Boat	Travelling	92	36	0	265	0	50	22.18070	113.97740	1647.97	225.25
30-Jan-18	14:52:11	Container Boat	Travelling	93	38	30	254	48	50	22.18249	113.98222	1174.04	215.05
30-Jan-18	14:54:45	Container Boat	Travelling	95	50	50	228	49	40	22.18466	113.98766	728.91	189.07
30-Jan-18	15:00:11	Porpoise	Surface	98	41	40	297	1	30	22.19017	113.98415	487.87	257.27
2-Feb-18	10:17:14	Zero	Stationary	97	12	20	0	0	0	22.19522	113.98511	590.64	320.24
2-Feb-18	10:23:54	Fishing boat	Stationary	110	38	50	279	57	30	22.19025	113.98711	198.07	240.20
2-Feb-18	10:26:02	Fishing boat	Travelling	105	31	20	260	48	10	22.18931	113.98706	268.72	221.04
2-Feb-18	10:27:12	Fishing boat	Travelling	106	2	30	223	14	30	22.18881	113.98862	259.56	183.48
2-Feb-18	10:32:20	Fishing boat	Travelling	101	35	50	312	5	10	22.19127	113.98525	363.64	272.33
2-Feb-18	10:34:00	Fishing boat	Travelling	98	59	30	322	26	50	22.19207	113.98430	472.53	282.69
2-Feb-18	10:49:09	Fishing boat	Stationary	96	25	10	315	4	20	22.19169	113.98236	683.20	276.31
2-Feb-18	10:51:26	Container Boat	Travelling	92	9	40	289	23	50	22.18492	113.97070	1984.49	249.64
2-Feb-18	10:55:08	Fishing boat	Travelling	96	32	10	324	59	10	22.19268	113.98267	651.14	285.23
2-Feb-18	10:56:50	Container Boat	Travelling	93	42	20	265	36	50	22.18391	113.98074	1152.98	225.85
2-Feb-18	10:59:21	Speedboat	Travelling	98	30	50	242	10	40	22.18699	113.98693	498.21	202.42
2-Feb-18	11:00:20	Speedboat	Travelling	93	40	40	273	44	10	22.18499	113.97965	1161.63	233.98
2-Feb-18	11:01:45	Speedboat	Travelling	91	59	40	287	20	20	22.18375	113.96945	2151.44	247.58
2-Feb-18	11:02:45	Fishing boat	Stationary	96	49	40	315	24	40	22.19169	113.98275	622.93	275.65
2-Feb-18	11:05:39	Porpoise	Surface	100	23	0	310	13	20	22.19117	113.98482	406.93	270.46
2-Feb-18	11:06:27	Porpoise	Surface	99	10	0	315	41	50	22.19157	113.98431	462.08	275.94
2-Feb-18	11:06:33	Porpoise	Surface	99	6	50	315	19	40	22.19154	113.98428	464.81	275.57
2-Feb-18	11:06:38	Porpoise	Surface	98	59	50	314	54	10	22.19152	113.98422	470.94	275.14
2-Feb-18	11:06:45	Porpoise	Surface	98	54	0	314	28	0	22.19149	113.98417	476.17	274.71
2-Feb-18	11:06:51	Porpoise	Surface	98	51	40	313	55	20	22.19145	113.98414	478.29	274.16
2-Feb-18	11:08:06	Porpoise	Surface	99	20	0	309	44	20	22.19114	113.98437	453.67	269.98
2-Feb-18	11:08:39	Container Boat	Travelling	94	26	30	238	37	50	22.18296	113.98576	990.60	198.87
2-Feb-18	11:08:53	Fishing boat	Stationary	96	36	0	315	18	20	22.19170	113.98254	644.55	275.55
2-Feb-18	11:09:32	Porpoise	Surface	97	45	30	297	18	40	22.19008	113.98358	547.31	257.55
2-Feb-18	11:10:03	Porpoise	Surface	97	36	40	296	36	20	22.19000	113.98350	558.02	256.85
2-Feb-18	11:11:40	Porpoise	Surface	97	50	40	289	54	30	22.18948	113.98383	541.19	250.15
2-Feb-18	11:12:37	Container Boat	Travelling	92	34	50	289	6	10	22.18587	113.97369	1658.60	249.34
2-Feb-18	11:13:22	Porpoise	Surface	100	35	50	283	21	0	22.18954	113.98531	398.45	243.59
2-Feb-18	11:13:37	Porpoise	Surface	100	50	30	284	33	0	22.18965	113.98536	389.25	244.79
2-Feb-18	11:13:46	Porpoise	Surface	100	53	0	286	3	50	22.18974	113.98533	387.72	246.30
2-Feb-18	11:13:54	Porpoise	Surface	100	47	50	286	7	30	22.18973	113.98530	390.89	246.37
2-Feb-18	11:15:12</												

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
2-Feb-18	11:24:40	Fishing boat	Travelling	102	33	10	310	0	30	22.19115	113.98552	334.69	270.25
2-Feb-18	11:26:12	Container Boat	Stationary	94	15	0	239	37	0	22.18227	113.98694	1003.71	190.86
2-Feb-18	11:26:34	Fishing boat	Stationary	97	26	0	315	18	10	22.19164	113.98325	571.28	275.54
2-Feb-18	11:30:35	Container Boat	Travelling	92	38	50	282	11	10	22.18441	113.97486	1615.77	242.43
2-Feb-18	11:33:57	Porpoise	Surface	96	37	20	238	20	10	22.18566	113.98679	641.94	198.58
2-Feb-18	11:39:08	Porpoise	Surface	99	34	0	261	28	30	22.18817	113.98592	442.03	221.72
2-Feb-18	11:40:17	Fishing boat	Travelling	101	54	10	293	38	0	22.19026	113.98548	353.40	253.87
2-Feb-18	11:40:51	Porpoise	Surface	101	41	10	249	18	50	22.18832	113.98705	360.14	209.55
2-Feb-18	11:41:49	Porpoise	Surface	100	23	20	239	59	0	22.18771	113.98741	406.32	200.22
2-Feb-18	11:46:25	Porpoise	Surface	99	12	10	232	45	20	22.18711	113.98777	459.75	193.00
2-Feb-18	11:47:00	Fishing boat	Travelling	101	34	40	279	46	50	22.18950	113.98572	363.55	240.02
2-Feb-18	11:47:12	Fishing boat	Stationary	101	17	20	303	56	20	22.19080	113.98517	373.11	264.18
2-Feb-18	11:47:54	Fishing boat	Travelling	104	45	0	248	8	10	22.18890	113.98747	282.87	208.38
2-Feb-18	11:50:29	Fishing boat	Travelling	104	2	10	224	18	10	22.18847	113.98855	297.88	184.54
2-Feb-18	11:51:21	Container Boat	Travelling	92	41	50	253	3	30	22.17922	113.98032	1584.77	213.30
2-Feb-18	11:54:42	Container Boat	Travelling	92	55	10	230	17	30	22.17819	113.98618	1463.54	190.53
2-Feb-18	11:58:04	Porpoise	Surface	105	17	10	252	26	30	22.18907	113.98735	272.52	212.68
2-Feb-18	12:00:44	HSF	Travelling	92	37	30	223	58	40	22.17652	113.98761	1629.16	184.22
2-Feb-18	12:01:03	Porpoise	Surface	106	25	50	246	18	20	22.18911	113.98768	252.60	206.55
2-Feb-18	12:01:11	Porpoise	Surface	106	9	30	245	7	0	22.18905	113.98771	257.09	203.36
2-Feb-18	12:03:42	Porpoise	Surface	104	32	20	226	53	0	22.18857	113.98843	287.25	187.12
2-Feb-18	12:06:42	Fishing boat	Travelling	107	36	20	231	16	10	22.18907	113.98832	234.78	191.51
2-Feb-18	12:08:34	Fishing boat	Travelling	101	10	20	305	44	50	22.19090	113.98512	377.28	265.99
2-Feb-18	12:10:11	Fishing boat	Travelling	96	25	50	325	35	40	22.19276	113.98259	661.36	285.83
2-Feb-18	12:20:40	Fishing boat	Travelling	97	18	40	308	44	40	22.19105	113.98313	581.11	268.98
2-Feb-18	12:20:59	Fishing boat	Travelling	100	14	0	305	15	50	22.19085	113.98478	412.92	265.50
2-Feb-18	12:23:12	Fishing boat	Stationary	97	41	0	299	39	0	22.19027	113.98349	552.67	259.89
2-Feb-18	12:23:19	Fishing boat	Stationary	97	37	30	304	50	10	22.19071	113.98338	556.95	265.08
2-Feb-18	12:27:55	Fishing boat	Travelling	98	7	50	313	8	20	22.19142	113.98371	521.95	273.38
2-Feb-18	12:28:03	Fishing boat	Travelling	101	13	30	282	49	30	22.18961	113.98552	375.69	243.07
2-Feb-18	12:28:34	Fishing boat	Stationary	98	18	20	314	42	10	22.19153	113.98363	510.81	274.94
2-Feb-18	12:29:01	Fishing boat	Stationary	107	29	30	268	6	40	22.18972	113.98706	236.58	228.35
2-Feb-18	12:37:30	Fishing boat	Travelling	106	3	50	241	24	30	22.18897	113.98785	258.98	201.65
2-Feb-18	12:38:04	Fishing boat	Travelling	103	45	40	217	0	40	22.18840	113.98892	304.52	177.25
2-Feb-18	12:43:32	Speedboat	Travelling	96	52	20	260	10	30	22.18690	113.98486	619.09	220.42
2-Feb-18	12:44:52	Porpoise	Surface	96	41	20	249	39	50	22.18618	113.98569	636.26	209.90
2-Feb-18	12:45:18	Speedboat	Travelling	100	22	10	226	56	0	22.18750	113.98828	407.69	187.17
2-Feb-18	12:45:57	Porpoise	Surface	97	42	40	256	46	0	22.18718	113.98555	551.05	217.01
2-Feb-18	12:46:04	Porpoise	Surface	97	42	50	256	55	40	22.18719	113.98554	550.85	217.17
2-Feb-18	12:46:12	Porpoise	Surface	97	39	50	257	46	50	22.18721	113.98546	554.49	218.02
2-Feb-18	12:46:21	Porpoise	Surface	97	24	0	257	56	10	22.18707	113.98533	574.51	218.18
2-Feb-18	12:46:27	Porpoise	Surface	97	25	40	258	31	10	22.18712	113.98530	572.34	218.76
2-Feb-18	12:46:49	Porpoise	Surface	97	26	30	260	26	0	22.18724	113.98516	571.27	220.67
2-Feb-18	12:47:00	Porpoise	Surface	97	28	20	261	31	20	22.18732	113.98510	568.90	221.76
2-Feb-18	12:47:23	Fishing boat	Stationary	102	29	10	288	3	20	22.19002	113.98574	336.89	248.30
2-Feb-18	12:49:08	Porpoise	Surface	96	10	20	267	32	10	22.18697	113.98381	690.13	227.78
2-Feb-18	12:49:39	Porpoise	Surface	95	44	50	268	21	20	22.18672	113.98337	741.62	228.60
2-Feb-18	12:59:04	Fishing boat	Stationary	104	52	10	268	17	0	22.18946	113.98673	281.07	228.52
2-Feb-18	13:00:37	Porpoise	Surface	96	21	0	240	25	50	22.18549	113.98648	670.88	200.67
2-Feb-18	13:01:14	Porpoise	Surface	96	8	30	241	37	50	22.18534	113.98627	693.86	201.87
2-Feb-18	13:01:21	Porpoise	Surface	96	12	10	242	16	0	22.18543	113.98622	686.97	202.49
2-Feb-18	13:01:57	Porpoise	Surface	96	25	20	246	28	30	22.18581	113.98588	663.30	206.72
2-Feb-18	13:02:01	Porpoise	Surface	96	29	0	247	18	30	22.18590	113.98582	656.99	207.55
2-Feb-18	13:02:11	Porpoise	Surface	96	25	30	247	16	20	22.18585	113.98580	663.01	207.51
2-Feb-18	13:02:30	Porpoise	Surface	96	29	0	248	49	10	22.18597	113.98568	657.00	209.06
2-Feb-18	13:02:51	Porpoise	Surface	96	35	50	249	51	30	22.18611	113.98563	645.55	210.10
2-Feb-18	13:03:05	Porpoise	Surface	96	29	0	250	38	50	22.18606	113.98550	657.01	210.89
2-Feb-18	13:04:03	Porpoise	Surface	96	51	20	246	22	0	22.18614	113.98607	621.01	206.61
2-Feb-18	13:04:16	Porpoise	Surface	96	59	20	246	49	40	22.18626	113.98608	609.04	207.07
2-Feb-18	13:04:22	Porpoise	Surface	96	59	30	246	53	30	22.18626	113.98608	608.80	207.13
2-Feb-18	13:05:07	Porpoise	Surface	97	7	10	250	3	10	22.18649	113.98585	597.77	210.29
2-Feb-18	13:05:54	Porpoise	Surface	96	9	30	250	47	30	22.18580	113.98531	692.07	211.03
2-Feb-18	13:06:01	Porpoise	Surface	96	13	0	250	33	0	22.18584	113.98537	685.52	210.79
2-Feb-18	13:06:21	Porpoise	Surface	96	10	0	250	14	30	22.18578	113.98537	691.13	210.48
2-Feb-18	13:07:25	Porpoise	Surface	96	24	50	250	14	0	22.18599	113.98550	664.28	210.47
2-Feb-18	13:08:25	Porpoise	Surface	95	44	0	255	54	10	22.18573	113.98451	743.87	216.14
2-Feb-18	13:09:42	Porpoise	Surface	95	57	0	259	29	50	22.18618	113.98433	716.60	219.74
2-Feb-18	13:09:54	Porpoise	Surface	95	55	40	259	41	30	22.18618	113.98429	719.31	219.93
2-Feb-18	13:10:01	Porpoise	Surface	95	55	40	259	52	40	22.18619	113.98427	719.31	220.12
2-Feb-18	13:15:21	Porpoise	Surface	103	9	30	254	30	0	22.18878	113.98701	319.38	214.74
2-Feb-18	13:15:37	Porpoise	Surface	103	22	10	258	37	50	22.18894	113.98686	314.16	218.87
2-Feb-18	13:15:53	Porpoise	Surface	103	1	50	264	35	40	22.18908	113.98657	322.63	224.83
2-Feb-18	13:16:44	Porpoise	Surface	103	2	40	279	10	30	22.18966	113.98608	322.29	239.42
2-Feb-18	13:16:52	HSF	Travelling	94	33	50	238	7	20	22.18314	113.98691	936.19	198.36
2-Feb-18	13:17:06	Porpoise	Surface	103	36	0	288	53	50	22.19015	113.98697	308.65	249.14
2-Feb-18	13:17:41	HSF	Travelling	92	57	20	282	12	40	22.18511	113.97629	1449.32	242.45
2-Feb-18	13:17:54	Porpoise	Surface	101	56	20	298	54	20	22.19054	113.98541	353.16	259.15
2-Feb-18	13:18:03	Porpoise	Surface	101	45	10	299	53	0	22.19058	113.98534	358.92	260.12
2-Feb-18	13:18:43	HSF	Travelling	91	41	0	301	24	50	22.18780	113.98418	2558.15	261.65
2-Feb-18	13:19:23	Porpoise	Surface	99	3	0	313	22	0	22.19140	113.98423	468.89	273.61
2-Feb-18	13:19:36	Porpoise	Surface	98	46	20	314	16	10	22.19148	113.98409	484.00	274.51
2-Feb-18	13:19:49	Porpoise	Surface	98	32	10	315	10	30	22.19156	113.98396	497.60	275.42
2-Feb-18	13:20:57	Porpoise	Surface	97	28	50	319	10	10	22.19198	113.98332	568.87	279.41
2-Feb-18	13:23:03	Fishing boat	Stationary	107	14	30	227	29	10	22.18899	113.98846	240.63	187.73
2-Feb-18	13:23:32	Speedboat	Travelling	92	34	40	288	2	0	22.18560	113.97376	1663.54	248.27
2-Feb-18	13:24:50	Speedboat	Travelling	93	47	50	292	18	30	22.18810	113.97833	1126.69	252.55
2-Feb-18	13:26:37	Speedboat	Travelling	96	15	40	319	52	10	22.19221	113.98226	681.05	280.11
2-Feb-18	13:29:16	Container Boat	Travelling	91	43	0	280	57	10	22.18026	113.96742	2508.61	241.19
2-Feb-18	13:38:19	Speedboat	Travelling	93	49	30	268	18	10	22.18447	113.98063	1118.93	228.54
2-Feb-18	13:38:29	Container Boat	Travelling	93	6	0	230	39	50	22.17892	113.98624	1382.29	190.90
2-Feb-18	13:38:44	Fishing boat	Stationary	113	24	40	283	4	0	22.19044	113		

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
2-Feb-18	13:57:49	Fishing boat	Stationary	100	17	10	303	53	40	22.19076	113.98479	412.00	264.13
2-Feb-18	13:58:19	Speedboat	Travelling	101	12	0	214	58	0	22.19775	113.98908	377.61	175.24
2-Feb-18	13:58:52	Speedboat	Travelling	92	40	40	252	57	0	22.17907	113.98025	1602.76	213.19
2-Feb-18	14:00:33	Speedboat	Travelling	95	35	0	235	48	50	22.18452	113.98672	765.26	196.05
2-Feb-18	14:01:00	Speedboat	Travelling	97	27	40	233	43	50	22.18615	113.98744	571.08	193.97
2-Feb-18	14:02:03	Speedboat	Travelling	98	47	20	307	23	0	22.19096	113.98408	483.70	267.62
2-Feb-18	14:02:35	Speedboat	Stationary	98	34	40	307	11	10	22.19094	113.98396	495.81	267.43
2-Feb-18	14:12:04	Speedboat	Travelling	102	16	10	292	7	10	22.19020	113.98559	343.94	252.36
2-Feb-18	14:12:21	Fishing boat	Stationary	101	33	50	287	25	40	22.18989	113.98549	365.57	247.67
2-Feb-18	14:12:32	Speedboat	Travelling	106	10	10	251	1	10	22.18915	113.98748	257.97	211.26
2-Feb-18	14:12:51	Speedboat	Travelling	103	13	50	215	45	0	22.18828	113.98899	318.15	175.99
2-Feb-18	14:15:26	Speedboat	Travelling	96	24	20	233	33	30	22.18531	113.98723	666.57	193.80
2-Feb-18	14:15:52	Speedboat	Travelling	97	48	40	207	59	40	22.18633	113.98986	545.43	168.23
2-Feb-18	14:20:59	Fishing boat	Travelling	104	59	50	256	54	30	22.18914	113.98714	279.28	217.15
2-Feb-18	14:22:15	Fishing boat	Travelling	104	17	30	242	47	0	22.18871	113.98766	293.71	203.02
2-Feb-18	14:22:48	Fishing boat	Travelling	101	53	50	214	23	40	22.18796	113.98910	355.16	174.63
2-Feb-18	14:23:32	Fishing boat	Stationary	102	15	20	217	18	30	22.18804	113.98892	344.47	177.55
2-Feb-18	14:28:12	Porpoise	Surface	101	27	0	292	48	10	22.19017	113.98534	369.49	253.04
2-Feb-18	14:28:41	Porpoise	Surface	101	9	20	287	0	40	22.18982	113.98538	379.52	247.25
2-Feb-18	14:28:48	Porpoise	Surface	101	6	20	285	56	20	22.18975	113.98539	381.27	246.18
2-Feb-18	14:29:04	Porpoise	Surface	100	57	10	282	56	40	22.18957	113.98542	386.73	243.18
2-Feb-18	14:29:14	Porpoise	Surface	100	38	40	281	5	10	22.18942	113.98538	398.21	241.33
2-Feb-18	14:30:13	Porpoise	Surface	100	43	50	269	1	40	22.18882	113.98587	394.95	229.27
2-Feb-18	14:30:35	Porpoise	Surface	100	29	20	265	56	30	22.18862	113.98594	404.27	226.18
2-Feb-18	14:40:43	Container Boat	Travelling	91	59	20	295	8	20	22.18622	113.96841	2166.22	255.38
2-Feb-18	14:45:21	Porpoise	Surface	96	26	0	278	18	10	22.18802	113.98327	664.28	238.54
2-Feb-18	14:46:53	Fishing boat	Stationary	102	16	0	215	37	20	22.18805	113.98902	344.40	175.86
2-Feb-18	14:47:02	Container Boat	Travelling	94	9	20	262	7	30	22.18428	113.98202	1031.66	222.37
2-Feb-18	14:47:19	Fishing boat	Travelling	94	42	50	269	55	0	22.18590	113.98200	908.78	230.16
2-Feb-18	14:48:33	Porpoise	Surface	96	31	0	282	30	40	22.18844	113.98311	655.77	242.75
2-Feb-18	14:48:52	Fishing boat	Travelling	101	11	0	207	12	10	22.18781	113.98958	378.79	167.44
2-Feb-18	14:49:45	Porpoise	Surface	97	0	30	285	23	40	22.18888	113.98338	609.34	245.63
2-Feb-18	14:49:54	Porpoise	Surface	97	2	20	284	34	50	22.18862	113.98344	606.67	244.82
2-Feb-18	14:51:35	Porpoise	Surface	97	19	10	286	17	10	22.18905	113.98358	583.19	246.53
2-Feb-18	14:51:57	Porpoise	Surface	97	4	50	286	9	50	22.18897	113.98341	603.10	246.40
2-Feb-18	14:55:48	Porpoise	Surface	106	35	10	282	1	0	22.19009	113.98661	251.46	242.26
2-Feb-18	14:56:00	Porpoise	Surface	106	26	0	284	42	50	22.19017	113.98654	253.94	244.95
2-Feb-18	14:56:25	Porpoise	Surface	106	54	30	289	11	0	22.19036	113.98654	246.39	249.42
2-Feb-18	14:56:57	Porpoise	Surface	106	29	10	294	20	30	22.19053	113.98641	253.08	254.58
2-Feb-18	14:57:58	Fishing boat	Travelling	110	50	10	278	41	10	22.19022	113.98714	196.80	238.93
2-Feb-18	14:58:30	Government Boat	Travelling	94	33	50	238	9	0	22.18312	113.98590	939.17	198.39
2-Feb-18	14:58:53	Fishing boat	Travelling	102	13	40	307	36	10	22.19102	113.98542	345.66	267.84
2-Feb-18	15:01:29	Porpoise	Surface	98	9	50	277	44	30	22.18865	113.98447	522.29	237.98
2-Feb-18	15:03:27	Government Boat	Travelling	92	34	10	307	30	30	22.19055	113.97252	1674.20	267.75
2-Feb-18	15:03:38	Fishing boat	Stationary	100	2	40	317	31	10	22.19165	113.98470	423.00	277.76
2-Feb-18	15:07:07	Porpoise	Surface	102	6	50	268	42	30	22.18908	113.98622	349.10	228.95
2-Feb-18	15:08:03	Porpoise	Surface	100	48	10	277	41	0	22.18926	113.98554	392.71	237.92
2-Feb-18	15:09:53	Fishing boat	Travelling	103	44	40	304	33	40	22.19089	113.98581	306.35	264.80
2-Feb-18	15:10:41	Porpoise	Surface	109	32	20	298	33	0	22.19077	113.98676	211.14	258.79
2-Feb-18	15:10:59	Fishing boat	Travelling	110	54	10	237	5	20	22.18945	113.98821	196.20	197.33
2-Feb-18	15:12:28	Porpoise	Surface	109	35	40	300	29	20	22.19083	113.98676	210.51	280.73
2-Feb-18	15:12:33	Porpoise	Surface	109	53	0	298	7	40	22.19076	113.98681	207.19	258.37
2-Feb-18	15:13:03	Porpoise	Surface	110	6	10	295	58	10	22.19070	113.98685	204.74	256.21
2-Feb-18	15:13:57	Porpoise	Surface	108	35	40	298	22	10	22.19074	113.98666	222.75	258.61
2-Feb-18	15:15:13	Porpoise	Surface	109	16	50	295	22	0	22.19066	113.98676	214.23	255.61
2-Feb-18	15:16:57	Porpoise	Surface	105	39	0	277	8	40	22.18984	113.98659	267.53	237.38
2-Feb-18	15:20:01	Porpoise	Surface	98	4	10	304	8	40	22.19067	113.98366	528.79	264.38
2-Feb-18	15:29:37	Porpoise	Surface	98	33	50	292	45	0	22.18983	113.98415	497.98	252.99
2-Feb-18	15:29:42	Porpoise	Surface	98	35	50	292	42	20	22.18983	113.98417	496.02	252.95
2-Feb-18	15:33:21	Porpoise	Surface	96	45	50	289	34	30	22.18917	113.98301	632.46	249.82
2-Feb-18	15:33:28	Porpoise	Surface	96	33	10	289	59	30	22.18915	113.98280	653.04	250.23
2-Feb-18	15:33:51	Porpoise	Surface	96	28	20	289	39	40	22.18909	113.98274	661.25	249.90
2-Feb-18	15:36:52	Porpoise	Surface	97	58	50	299	7	50	22.19025	113.98367	535.05	259.37
2-Feb-18	15:37:23	Porpoise	Surface	97	42	50	302	32	10	22.19051	113.98344	553.80	262.78
2-Feb-18	15:42:18	Porpoise	Surface	96	16	40	290	14	50	22.18909	113.98253	682.11	250.49
2-Feb-18	15:43:00	Porpoise	Surface	96	15	0	289	37	20	22.18902	113.98253	685.18	249.86
2-Feb-18	15:43:11	Porpoise	Surface	96	23	50	289	9	50	22.18902	113.98269	689.27	249.40
2-Feb-18	15:43:14	Porpoise	Surface	96	29	50	289	9	30	22.18905	113.98278	658.88	249.40
2-Feb-18	15:44:56	Porpoise	Surface	96	22	0	287	24	10	22.18884	113.98273	672.55	247.64
2-Feb-18	15:49:50	Porpoise	Surface	96	4	10	297	18	20	22.18977	113.98208	705.90	257.55
2-Feb-18	15:55:53	Fishing boat	Travelling	94	32	10	284	24	40	22.18749	113.98046	946.65	244.65
2-Feb-18	15:58:48	Fishing boat	Travelling	98	29	40	244	18	30	22.18702	113.98675	502.57	204.55
2-Feb-18	16:00:06	Fishing boat	Travelling	99	48	20	209	28	10	22.18729	113.98953	434.28	169.71
6-Feb-18	9:20:18	Zero	Stationary	99	23	40	0	0	10	22.19428	113.98596	453.64	320.24
6-Feb-18	9:38:51	Container Boat	Travelling	91	55	10	281	34	0	22.18157	113.96951	2249.74	241.81
6-Feb-18	9:41:41	Container Boat	Travelling	93	15	10	233	11	20	22.17957	113.98579	1321.94	193.43
6-Feb-18	9:42:02	Fishing boat	Travelling	97	30	40	319	10	0	22.19198	113.98332	568.96	279.41
6-Feb-18	9:43:21	Container Boat	Travelling	93	36	10	212	55	20	22.18048	113.99016	1192.77	173.16
6-Feb-18	9:43:38	Fishing boat	Travelling	95	41	10	324	1	30	22.19281	113.98168	753.58	284.27
6-Feb-18	9:43:59	Container Boat	Travelling	92	56	50	258	56	30	22.18096	113.97981	1459.77	219.18
6-Feb-18	9:44:08	Fishing boat	Travelling	95	6	30	328	25	0	22.19356	113.98105	839.46	288.66
6-Feb-18	9:49:06	Container Boat	Travelling	93	30	30	213	41	30	22.18018	113.99004	1224.86	173.93
6-Feb-18	9:53:27	Fishing boat	Travelling	96	19	10	322	53	0	22.19252	113.98237	677.27	283.12
6-Feb-18	9:54:47	Fishing boat	Travelling	97	40	30	316	46	40	22.19175	113.98341	556.46	277.02
6-Feb-18	9:55:53	Porpoise	Surface	110	10	50	274	53	50	22.19009	113.98715	203.96	235.14
6-Feb-18	9:55:59	Porpoise	Surface	110	5	40	277	11	20	22.19015	113.98710	204.91	237.43
6-Feb-18	9:56:10	Fishing boat	Travelling	103	56	10	295	13	10	22.19046	113.98594	302.12	255.46
6-Feb-18	9:56:49	Fishing boat	Stationary	105	39	20	290	49	50	22.19036	113.98632	267.50	251.07
6-Feb-18	9:57:01	Porpoise	Surface	109	52	30	294	14	20	22.19064	113.98684	207.37	254.48
6-Feb-18	9:57:08	Porpoise	Surface	108	55	30	299	48	40	22.19080	113.98668	218.64	260.05
6-Feb-18	9:57:19	Porpoise	Surface	107	58	10	300	52	10	22.19082	113.9		

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horiz Degrees	Fix Horiz Minutes	Fix Horiz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
6-Feb-18	10:10:33	Porpoise	Surface	99	59	20	264	17	40	22.18841	113.98588	425.52	224.53
6-Feb-18	10:10:59	Porpoise	Surface	99	51	50	268	36	30	22.18859	113.98562	431.02	228.85
6-Feb-18	10:11:07	Porpoise	Surface	99	43	10	270	11	0	22.18863	113.98550	437.55	230.42
6-Feb-18	10:11:26	Porpoise	Surface	99	27	50	272	38	20	22.18870	113.98529	449.59	232.88
6-Feb-18	10:11:44	Porpoise	Surface	99	15	0	275	48	20	22.18883	113.98507	460.18	236.05
6-Feb-18	10:11:56	Porpoise	Surface	99	10	30	277	40	0	22.18892	113.98496	464.01	237.91
6-Feb-18	10:12:48	Porpoise	Surface	99	41	40	286	49	50	22.18960	113.98485	438.68	247.07
6-Feb-18	10:14:13	Fishing Boat	Travelling	98	59	30	318	32	30	22.19179	113.98423	473.60	278.78
6-Feb-18	10:14:36	Porpoise	Surface	98	11	50	286	41	50	22.18930	113.98413	520.25	246.94
6-Feb-18	10:15:14	Porpoise	Surface	98	56	40	290	5	40	22.18970	113.98442	476.13	250.33
6-Feb-18	10:15:36	Porpoise	Surface	98	56	0	289	12	20	22.18963	113.98444	476.73	249.45
6-Feb-18	10:15:40	Porpoise	Surface	98	52	30	289	12	30	22.18962	113.98441	479.92	249.45
6-Feb-18	10:16:19	Porpoise	Surface	98	59	20	291	30	30	22.18980	113.98441	473.72	251.75
6-Feb-18	10:16:24	Porpoise	Surface	98	46	30	291	14	10	22.18975	113.98430	485.46	251.48
6-Feb-18	10:16:36	Porpoise	Surface	98	46	30	291	22	30	22.18976	113.98430	485.46	251.62
6-Feb-18	10:16:50	Porpoise	Surface	98	43	30	291	34	10	22.18977	113.98427	488.29	251.81
6-Feb-18	10:16:56	Porpoise	Surface	98	50	10	291	46	50	22.18980	113.98432	482.04	252.02
6-Feb-18	10:17:08	Porpoise	Surface	98	56	30	290	26	30	22.18972	113.98441	476.26	250.68
6-Feb-18	10:17:21	Porpoise	Surface	99	1	10	289	16	50	22.18965	113.98448	472.08	249.52
6-Feb-18	10:17:37	Porpoise	Surface	99	19	30	291	43	50	22.18987	113.98456	456.34	251.97
6-Feb-18	10:17:48	Porpoise	Surface	99	31	20	291	44	20	22.18990	113.98465	446.71	251.98
6-Feb-18	10:18:10	Porpoise	Surface	99	59	30	289	53	30	22.18984	113.98489	425.30	250.13
6-Feb-18	10:18:32	Porpoise	Surface	100	4	40	285	46	20	22.18960	113.98503	421.59	246.01
6-Feb-18	10:18:54	Porpoise	Surface	100	9	10	283	8	10	22.18945	113.98514	418.40	243.38
6-Feb-18	10:20:24	Porpoise	Surface	99	6	20	283	24	20	22.18927	113.98471	467.50	243.65
6-Feb-18	10:20:45	Porpoise	Surface	98	53	0	285	59	10	22.18940	113.98451	479.39	246.23
6-Feb-18	10:21:04	Porpoise	Surface	98	34	0	287	44	10	22.18946	113.98430	497.40	247.98
6-Feb-18	10:22:45	Fishing Boat	Stationary	98	39	10	319	33	10	22.19189	113.98406	492.34	279.79
6-Feb-18	10:22:07	Fishing boat	Travelling	100	15	40	318	3	50	22.19168	113.98480	413.79	278.30
6-Feb-18	10:27:21	Fishing Boat	Stationary	98	44	10	320	22	30	22.19195	113.98412	487.51	280.62
6-Feb-18	10:28:16	Fishing boat	Travelling	102	30	40	303	37	0	22.19081	113.98552	337.55	263.86
6-Feb-18	10:29:19	Fishing boat	Travelling	101	0	10	291	27	10	22.19005	113.98522	385.24	251.69
6-Feb-18	10:30:32	Fishing boat	Stationary	103	47	30	287	5	10	22.18928	113.98660	305.11	227.33
6-Feb-18	10:36:11	Fishing boat	Travelling	108	6	30	280	25	0	22.18958	113.98733	228.98	220.66
6-Feb-18	10:37:02	Fishing boat	Travelling	108	30	50	280	54	0	22.19017	113.98687	223.61	241.14
6-Feb-18	10:38:03	Fishing boat	Travelling	104	2	50	274	14	0	22.18957	113.98641	299.27	234.47
6-Feb-18	10:39:28	Porpoise	Surface	95	57	0	293	27	50	22.18932	113.98207	718.75	253.70
6-Feb-18	10:40:20	Porpoise	Surface	96	14	20	289	40	50	22.18902	113.98252	685.17	249.92
6-Feb-18	10:40:26	Porpoise	Surface	96	14	0	289	0	10	22.18895	113.98255	685.79	249.24
6-Feb-18	10:40:48	Porpoise	Surface	95	57	50	289	52	20	22.18894	113.98222	717.04	250.11
6-Feb-18	10:40:58	Porpoise	Surface	95	57	40	289	37	40	22.18892	113.98223	717.37	249.87
6-Feb-18	10:42:40	Porpoise	Surface	100	20	40	281	50	50	22.18941	113.98525	410.21	242.09
6-Feb-18	10:42:58	Fishing boat	Stationary	109	21	50	253	27	50	22.18954	113.98763	213.02	213.70
6-Feb-18	10:43:28	Research Vessel	Travelling	95	9	10	307	14	40	22.19081	113.98071	830.76	267.48
6-Feb-18	10:43:40	Porpoise	Surface	101	19	20	273	53	40	22.18917	113.98583	373.94	234.13
6-Feb-18	10:44:21	Research Vessel	Travelling	97	7	20	305	57	50	22.19078	113.98297	599.33	266.20
6-Feb-18	10:46:02	Research Vessel	Travelling	101	13	10	300	18	20	22.19058	113.98516	377.43	260.55
6-Feb-18	10:47:06	Fishing boat	Travelling	105	12	0	284	38	10	22.19009	113.98635	275.53	244.88
6-Feb-18	10:49:01	Fishing boat	Travelling	100	24	30	300	57	30	22.19058	113.98486	407.56	261.20
6-Feb-18	10:49:16	Research Vessel	Travelling	104	44	20	298	2	10	22.19062	113.98607	284.54	258.28
6-Feb-18	10:49:39	Fishing boat	Travelling	99	20	50	301	50	10	22.19057	113.98440	454.82	262.08
6-Feb-18	10:51:03	Research Vessel	Travelling	102	14	20	301	54	50	22.19071	113.98546	345.08	282.15
6-Feb-18	10:51:18	Fishing boat	Travelling	96	31	40	321	6	50	22.19230	113.98254	654.37	281.35
6-Feb-18	10:53:17	Research Vessel	Stationary	99	31	0	314	41	30	22.19148	113.98445	446.52	274.93
6-Feb-18	10:53:25	Fishing boat	Stationary	96	53	50	321	44	30	22.19230	113.98289	618.94	281.98
6-Feb-18	10:57:13	Fishing boat	Travelling	97	23	0	321	50	30	22.19223	113.98329	577.69	282.08
6-Feb-18	10:57:38	Fishing boat	Travelling	96	43	10	325	48	10	22.19272	113.98284	635.41	286.04
6-Feb-18	10:58:39	Porpoise	Surface	97	0	40	298	20	30	22.19005	113.98298	608.69	258.58
6-Feb-18	10:59:01	Porpoise	Surface	97	17	50	300	9	40	22.19026	113.98318	584.56	260.40
6-Feb-18	10:59:11	Porpoise	Surface	97	29	30	299	17	50	22.19021	113.98334	569.20	259.54
6-Feb-18	10:59:31	Porpoise	Surface	97	35	30	297	57	0	22.19010	113.98344	561.61	258.19
6-Feb-18	10:59:40	Porpoise	Surface	97	52	20	297	18	10	22.19009	113.98364	541.34	257.54
6-Feb-18	10:59:47	Porpoise	Surface	97	55	20	296	48	10	22.19005	113.98368	537.87	257.04
6-Feb-18	11:00:36	Porpoise	Surface	97	42	40	290	7	30	22.18947	113.98372	552.78	250.37
6-Feb-18	11:01:20	Porpoise	Surface	97	48	50	285	47	10	22.18915	113.98394	544.23	246.03
6-Feb-18	11:01:42	Porpoise	Surface	97	46	50	284	39	0	22.18905	113.98396	547.77	244.89
6-Feb-18	11:02:08	Porpoise	Surface	98	22	0	283	45	50	22.18913	113.98433	508.87	244.00
6-Feb-18	11:02:27	Porpoise	Surface	98	29	10	283	38	50	22.18915	113.98440	501.60	243.89
6-Feb-18	11:04:28	Porpoise	Surface	100	20	0	286	28	50	22.18968	113.98511	410.40	246.72
6-Feb-18	11:04:55	Porpoise	Surface	100	47	40	284	6	0	22.18961	113.98534	392.46	244.34
6-Feb-18	11:06:02	Porpoise	Surface	101	57	40	280	59	30	22.18961	113.98577	353.19	241.23
6-Feb-18	11:06:19	Research Vessel	Stationary	99	48	20	311	19	50	22.19125	113.98457	432.95	271.57
6-Feb-18	11:08:37	Porpoise	Surface	99	45	0	284	26	40	22.18946	113.98495	435.44	244.68
6-Feb-18	11:09:44	Porpoise	Surface	98	32	40	289	34	40	22.18959	113.98423	498.02	249.82
6-Feb-18	11:10:05	Porpoise	Surface	97	48	10	291	6	40	22.18957	113.98375	546.06	251.35
6-Feb-18	11:10:20	Porpoise	Surface	97	20	0	291	40	40	22.18951	113.98341	581.46	251.92
6-Feb-18	11:11:38	Porpoise	Surface	97	0	40	286	49	0	22.18900	113.98333	608.46	247.06
6-Feb-18	11:16:05	Porpoise	Surface	98	52	10	263	24	20	22.18802	113.98556	479.39	223.65
6-Feb-18	11:17:03	Porpoise	Surface	99	39	10	259	25	40	22.18809	113.98605	439.81	219.67
6-Feb-18	11:17:54	Porpoise	Surface	99	12	20	253	23	30	22.18768	113.98629	461.57	213.63
6-Feb-18	11:18:09	Porpoise	Surface	99	15	0	251	53	0	22.18764	113.98640	459.31	212.12
6-Feb-18	11:18:47	Porpoise	Surface	99	52	10	248	13	10	22.18774	113.98679	429.94	208.46
6-Feb-18	11:19:47	Porpoise	Surface	101	17	40	241	2	0	22.18800	113.98746	374.50	201.27
6-Feb-18	11:20:01	Porpoise	Surface	101	52	20	239	38	0	22.18813	113.98760	355.77	199.87
6-Feb-18	11:20:34	Porpoise	Surface	102	18	30	226	49	40	22.18808	113.98837	342.78	187.07
6-Feb-18	11:20:45	Porpoise	Surface	102	24	20	222	38	40	22.18808	113.98861	340.01	182.88
6-Feb-18	11:27:36	Container Boat	Travelling	93	26	20	230	48	20	22.18013	113.98646	1246.23	191.05
6-Feb-18	11:28:07	Research Vessel	Stationary	95	43	10	324	26	30	22.19284	113.98176	746.93	284.68
6-Feb-18	11:28:49	Porpoise	Surface	106	47	30	227	2	30	22.18893	113.98847	247.78	187.28
6-Feb-18	11:29:37	Porpoise	Surface	106	9	30	222	55	10	22.18882	113.98864	258.05	183.16
6-Feb-18	11:31:17	Container Boat	Travelling	92	6	20	260	31	0	22.17722	113.97582		

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horiz Degrees	Fix Horiz Minutes	Fix Horiz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
6-Feb-18	11:55:29	Container Boat	Travelling	91	38	10	294	22	10	22.18484	113.98409	2634.57	254.61
6-Feb-18	12:05:45	Porpoise	Surface	112	0	10	291	38	50	22.19062	113.98707	184.83	251.89
6-Feb-18	12:05:51	Porpoise	Surface	111	37	40	293	55	40	22.19068	113.98702	188.37	254.17
6-Feb-18	12:05:59	Porpoise	Surface	111	6	0	296	18	30	22.19073	113.98695	193.56	256.55
6-Feb-18	12:06:10	Porpoise	Surface	110	11	30	298	54	40	22.19079	113.98684	203.09	259.15
6-Feb-18	12:06:44	Speedboat	Travelling	107	26	0	246	40	10	22.18923	113.98773	237.84	206.91
6-Feb-18	12:07:33	Porpoise	Surface	109	19	0	302	30	10	22.19090	113.98672	213.07	262.74
6-Feb-18	12:07:50	Speedboat	Travelling	106	39	30	286	47	50	22.19026	113.98654	249.60	247.04
6-Feb-18	12:08:00	Porpoise	Surface	107	51	10	304	9	0	22.19093	113.98653	231.88	264.39
6-Feb-18	12:08:25	Speedboat	Travelling	103	38	30	301	13	20	22.19073	113.98582	307.74	261.46
6-Feb-18	12:08:53	Porpoise	Surface	110	44	50	292	13	20	22.19060	113.98695	197.15	252.46
6-Feb-18	12:09:31	Porpoise	Surface	111	21	50	278	35	40	22.19025	113.98719	190.92	238.83
6-Feb-18	12:09:59	Speedboat	Travelling	98	40	40	318	44	0	22.19183	113.98408	489.40	278.97
6-Feb-18	12:10:21	Porpoise	Surface	111	39	30	257	18	10	22.18980	113.98766	188.06	217.54
6-Feb-18	12:17:49	Zero	Stationary	104	26	50	0	0	0	22.19314	113.98698	289.81	320.24
6-Feb-18	12:18:08	Porpoise	Surface	112	48	40	296	2	10	22.19077	113.98710	177.52	256.59
6-Feb-18	12:18:42	Porpoise	Surface	110	58	0	292	13	20	22.19061	113.98697	194.84	252.46
6-Feb-18	12:18:52	Porpoise	Surface	110	6	40	294	33	40	22.19066	113.98687	203.90	254.80
6-Feb-18	12:19:24	Porpoise	Surface	108	19	40	298	24	0	22.19074	113.98663	225.38	258.64
6-Feb-18	12:20:03	Porpoise	Surface	108	44	50	295	50	30	22.19066	113.98670	219.97	256.08
6-Feb-18	12:20:11	Porpoise	Surface	109	25	50	295	36	40	22.19067	113.98678	211.64	255.85
6-Feb-18	12:20:17	Porpoise	Surface	109	57	50	294	14	40	22.19064	113.98685	205.52	254.48
6-Feb-18	12:23:35	Fishing boat	Travelling	102	43	30	308	12	20	22.19106	113.98557	330.50	268.45
6-Feb-18	12:23:38	Fishing boat	Travelling	112	7	0	294	10	50	22.19070	113.98706	183.62	254.42
6-Feb-18	12:36:28	Fishing boat	Travelling	111	59	20	271	30	10	22.19011	113.98737	184.80	231.74
6-Feb-18	12:37:50	Fishing boat	Travelling	110	11	50	237	36	30	22.18940	113.98817	202.84	197.85
6-Feb-18	12:39:43	Fishing boat	Travelling	103	30	20	252	52	30	22.18880	113.98713	310.68	213.12
6-Feb-18	12:41:06	Fishing boat	Stationary	104	8	20	278	4	30	22.18974	113.98633	296.21	238.32
6-Feb-18	12:43:19	Fishing boat	Travelling	103	32	30	277	51	50	22.18967	113.98622	309.79	238.10
6-Feb-18	12:44:50	Container Boat	Travelling	94	12	0	223	47	0	22.18201	113.98808	1016.99	184.02
6-Feb-18	12:45:01	Container Boat	Travelling	92	10	40	275	28	10	22.18115	113.97296	1969.78	235.71
6-Feb-18	12:48:07	Container Boat	Travelling	93	32	30	272	43	20	22.18460	113.97941	1207.08	232.96
6-Feb-18	12:48:16	Container Boat	Travelling	92	37	10	259	58	40	22.17990	113.97852	1635.08	220.22
6-Feb-18	12:49:30	Fishing boat	Travelling	104	38	30	234	16	40	22.19045	113.98610	285.54	254.52
6-Feb-18	12:54:05	Container Boat	Travelling	93	26	30	219	14	50	22.17996	113.98899	1242.14	179.49
6-Feb-18	12:54:24	Container Boat	Travelling	91	35	0	303	23	10	22.18842	113.98251	2719.17	263.63
6-Feb-18	12:54:37	Fishing boat	Stationary	104	4	0	290	19	0	22.19025	113.98605	297.68	250.58
6-Feb-18	13:02:18	Fishing boat	Travelling	107	24	10	293	50	40	22.19055	113.98655	237.91	254.06
6-Feb-18	13:03:36	Fishing boat	Stationary	109	14	30	295	20	0	22.19066	113.98677	213.62	255.57
6-Feb-18	13:08:49	Fishing boat	Travelling	108	7	0	301	14	10	22.19083	113.98659	227.88	261.48
6-Feb-18	13:09:18	Fishing boat	Stationary	108	40	20	309	8	50	22.19112	113.98663	220.61	269.39
6-Feb-18	13:14:57	Fishing boat	Travelling	111	46	0	290	57	50	22.19060	113.98706	186.68	251.20
6-Feb-18	13:16:14	Fishing boat	Stationary	110	44	10	239	5	50	22.18947	113.98814	196.88	199.34
6-Feb-18	13:21:49	Fishing boat	Travelling	105	57	0	268	26	20	22.18959	113.98687	260.77	228.68
6-Feb-18	13:22:55	Fishing boat	Stationary	102	2	30	291	0	50	22.19013	113.98556	349.39	251.25
6-Feb-18	13:28:22	Porpoise	Surface	107	50	40	227	18	30	22.18907	113.98848	231.46	187.55
6-Feb-18	13:29:44	Fishing boat	Travelling	100	47	20	287	17	10	22.18979	113.98527	391.05	247.53
6-Feb-18	13:29:57	Fishing boat	Travelling	110	14	10	273	14	30	22.19006	113.98720	202.12	233.48
6-Feb-18	13:30:24	Fishing boat	Travelling	96	55	10	324	52	0	22.19258	113.98301	614.17	285.11
6-Feb-18	13:30:53	Fishing boat	Travelling	104	50	30	266	3	30	22.18939	113.98690	281.18	226.30
6-Feb-18	13:32:53	Fishing boat	Travelling	102	33	30	286	5	40	22.18993	113.98590	334.47	246.33
6-Feb-18	13:33:32	Fishing boat	Travelling	101	42	40	299	53	10	22.19058	113.98534	359.44	260.13
6-Feb-18	13:35:40	Fishing boat	Stationary	99	5	50	289	2	30	22.18966	113.98455	465.33	249.28
6-Feb-18	13:37:58	Fishing boat	Travelling	101	36	30	303	10	40	22.19076	113.98528	362.66	263.42
6-Feb-18	13:49:12	Fishing boat	Travelling	98	47	40	314	46	40	22.19152	113.98412	481.44	275.02
6-Feb-18	13:50:27	Fishing boat	Stationary	99	25	10	301	24	20	22.19055	113.98446	448.94	261.65
6-Feb-18	14:00:42	Fishing boat	Stationary	101	38	50	304	20	0	22.19083	113.98528	361.18	264.57
6-Feb-18	14:06:49	Container Boat	Travelling	94	41	20	222	12	50	22.18297	113.98840	908.22	182.45
6-Feb-18	14:12:35	Container Boat	Travelling	92	36	40	287	53	0	22.18565	113.97402	1636.37	248.12
6-Feb-18	14:14:12	Government Boat	Travelling	93	54	40	235	30	30	22.18170	113.98590	1089.76	195.75
6-Feb-18	14:15:02	Fishing boat	Travelling	104	23	20	286	5	40	22.19009	113.98620	290.07	246.33
6-Feb-18	14:15:15	Government Boat	Travelling	92	50	10	274	11	10	22.18326	113.97688	1505.59	234.43
6-Feb-18	14:16:27	Fishing boat	Travelling	105	28	50	230	43	20	22.18877	113.98828	268.68	190.96
6-Feb-18	14:16:43	Government Boat	Travelling	91	39	10	295	39	10	22.18544	113.98430	2597.01	255.89
6-Feb-18	14:16:50	Container Boat	Travelling	91	39	10	300	44	30	22.18747	113.96385	2597.00	260.98
6-Feb-18	14:43:08	Fishing boat	Stationary	107	35	20	229	18	30	22.18905	113.98840	234.83	189.55
6-Feb-18	14:46:47	Fishing boat	Travelling	104	56	0	291	7	0	22.19034	113.98621	279.15	251.36
6-Feb-18	14:47:36	Fishing boat	Travelling	97	12	10	322	56	0	22.19235	113.98320	589.27	283.17
6-Feb-18	15:10:38	Fishing boat	Travelling	93	5	20	271	48	10	22.18348	113.97818	1383.01	232.04
6-Feb-18	15:15:38	Fishing Boat	Travelling	96	48	0	226	4	10	22.18555	113.98811	624.95	186.31
7-Feb-18	9:07:21	Zero	Stationary	106	12	30	0	0	0	22.19292	113.98717	257.95	320.24
7-Feb-18	9:09:03	Container Boat	Travelling	94	4	30	257	11	0	22.18361	113.98256	1053.60	217.42
7-Feb-18	9:11:03	Container Boat	Travelling	94	57	30	236	29	50	22.18369	113.98636	864.83	196.74
7-Feb-18	9:11:30	Fishing boat	Travelling	102	37	20	311	6	20	22.19121	113.98552	334.82	271.35
7-Feb-18	9:12:32	Container Boat	Travelling	95	13	50	217	2	10	22.18377	113.98916	819.50	177.28
7-Feb-18	9:12:42	Fishing boat	Stationary	102	30	10	305	48	10	22.19093	113.98550	338.12	266.04
7-Feb-18	9:15:03	Fishing boat	Travelling	103	26	0	299	13	50	22.19062	113.98578	313.89	259.47
7-Feb-18	9:18:21	Fishing boat	Travelling	102	30	0	296	13	10	22.19043	113.98558	338.16	256.46
7-Feb-18	9:22:14	Fishing boat	Travelling	99	5	50	320	57	40	22.19196	113.98431	468.20	281.20
7-Feb-18	9:25:57	Speedboat	Travelling	93	3	50	312	34	0	22.19176	113.97516	1403.08	272.81
7-Feb-18	9:26:06	Fishing boat	Stationary	98	41	10	309	20	0	22.19111	113.98401	490.70	269.57
7-Feb-18	9:27:14	Speedboat	Travelling	92	5	40	294	38	30	22.18631	113.96947	2058.37	254.88
7-Feb-18	9:28:31	Speedboat	Travelling	91	33	0	285	43	50	22.18990	113.96399	2792.19	245.97
7-Feb-18	10:05:01	Fishing boat	Stationary	99	55	0	312	59	10	22.19136	113.98462	428.41	273.23
7-Feb-18	10:07:52	Container Boat	Travelling	91	13	40	289	41	20	22.18020	113.95647	3539.70	249.93
7-Feb-18	10:08:21	Fishing boat	Travelling	100	28	20	313	43	0	22.19139	113.98485	405.18	273.96
7-Feb-18	10:10:09	Fishing boat	Travelling	104	19	50	228	15	50	22.18853	113.98836	293.12	188.50
7-Feb-18	10:10:48	Fishing boat	Stationary	101	52	40	287	57	20	22.18995	113.98557	356.04	248.20
7-Feb-18	10:11:54	Fishing boat	Stationary	102	11	20	272	58	20	22.18927	113.98608	346.67	233.21
7-Feb-18	10:12:54	Fishing boat	Stationary	109	25	0	286	43	50	22.19039	113.98688	212.42	246.97
7-Feb-18	10:14:15	Container Boat	Travelling	91	36	30							

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
7-Feb-18	10:33:56	Fishing Boat	Travelling	96	52	30	323	45	10	22.19249	113.98292	620.95	283.99
7-Feb-18	10:34:11	Porpoise	Surface	100	54	50	261	8	50	22.18852	113.98629	388.18	221.99
7-Feb-18	10:35:49	Porpoise	Surface	100	18	30	258	10	0	22.18824	113.98629	411.52	218.41
7-Feb-18	10:36:03	Porpoise	Surface	100	16	50	258	25	40	22.18824	113.98627	412.66	218.67
7-Feb-18	10:36:19	Porpoise	Surface	100	16	50	259	39	50	22.18829	113.98621	412.66	219.90
7-Feb-18	10:36:54	Porpoise	Surface	100	15	20	255	39	40	22.18812	113.98642	413.68	215.90
7-Feb-18	10:37:58	Porpoise	Surface	99	43	10	260	50	20	22.18817	113.98599	436.98	221.09
7-Feb-18	10:39:18	Porpoise	Surface	99	48	40	267	45	20	22.18853	113.98565	432.80	228.00
7-Feb-18	10:42:49	Porpoise	Surface	99	51	20	267	55	20	22.18855	113.98566	430.78	228.16
7-Feb-18	10:43:05	Porpoise	Surface	99	41	10	269	44	40	22.18860	113.98551	438.46	229.98
7-Feb-18	10:43:29	Porpoise	Surface	99	13	30	271	11	30	22.18855	113.98528	460.80	231.43
7-Feb-18	10:44:15	Fishing boat	Travelling	97	55	20	313	19	10	22.19144	113.98356	537.84	273.56
7-Feb-18	10:44:32	Porpoise	Surface	99	5	0	274	8	0	22.18869	113.98508	468.10	234.37
7-Feb-18	10:44:38	Porpoise	Surface	99	3	10	275	26	30	22.18876	113.98501	469.71	235.68
7-Feb-18	10:44:49	Porpoise	Surface	98	56	10	276	43	50	22.18880	113.98490	475.95	236.97
7-Feb-18	10:46:24	Porpoise	Surface	99	27	10	268	15	50	22.18846	113.98551	449.47	228.50
7-Feb-18	10:46:57	Porpoise	Surface	99	42	0	264	10	20	22.18832	113.98580	437.79	224.41
7-Feb-18	10:47:12	Porpoise	Surface	99	55	10	264	59	30	22.18843	113.98563	427.91	225.23
7-Feb-18	10:48:06	Porpoise	Surface	99	32	50	260	55	30	22.18812	113.98593	444.92	221.17
7-Feb-18	10:48:13	Porpoise	Surface	99	28	50	259	37	50	22.18804	113.98599	448.11	219.87
7-Feb-18	10:50:21	Porpoise	Surface	97	37	50	247	4	30	22.18667	113.98629	558.60	207.32
7-Feb-18	10:50:33	Porpoise	Surface	97	33	0	245	55	0	22.18658	113.98636	564.63	206.16
7-Feb-18	10:53:49	Container Boat	Travelling	93	55	0	217	26	0	22.18130	113.98921	1093.99	177.67
7-Feb-18	10:56:00	Fishing boat	Stationary	100	17	40	314	0	10	22.19141	113.98479	411.91	274.24
7-Feb-18	10:57:45	Container Boat	Travelling	93	7	10	270	49	10	22.18336	113.97838	1375.24	231.06
7-Feb-18	10:57:58	Fishing boat	Travelling	100	9	30	303	1	30	22.19070	113.98475	417.54	263.27
7-Feb-18	11:01:16	Fishing boat	Stationary	107	13	40	260	40	10	22.18950	113.98724	241.22	220.91
7-Feb-18	11:01:33	Container Boat	Travelling	91	58	30	296	10	50	22.18653	113.98619	2179.77	256.42
7-Feb-18	11:15:15	Porpoise	Surface	99	20	10	236	14	40	22.18721	113.98752	454.91	196.48
7-Feb-18	11:19:35	Fishing boat	Travelling	105	56	0	296	18	0	22.19059	113.98630	261.91	256.54
7-Feb-18	11:20:50	Porpoise	Surface	98	56	30	234	14	40	22.18700	113.98762	475.28	194.48
7-Feb-18	11:21:01	Porpoise	Surface	99	4	50	233	42	0	22.18705	113.98768	467.89	193.94
7-Feb-18	11:21:12	Porpoise	Surface	99	14	30	233	9	40	22.18712	113.98774	459.58	193.39
7-Feb-18	11:22:19	Porpoise	Surface	99	30	10	227	6	40	22.18715	113.98822	446.71	187.35
7-Feb-18	11:22:47	Porpoise	Surface	99	26	10	224	36	30	22.18710	113.98844	449.93	184.85
7-Feb-18	11:22:59	Porpoise	Surface	99	36	50	224	0	30	22.18718	113.98846	441.45	184.25
7-Feb-18	11:24:39	Porpoise	Surface	100	4	30	215	22	50	22.18736	113.98909	420.83	175.62
7-Feb-18	11:26:52	Porpoise	Surface	100	17	30	209	43	30	22.18749	113.98948	411.76	169.97
7-Feb-18	11:28:08	Fishing boat	Stationary	108	49	0	284	37	50	22.19030	113.98685	219.38	244.87
7-Feb-18	11:31:34	Fishing boat	Travelling	100	17	30	317	31	30	22.19164	113.98481	411.72	277.77
7-Feb-18	11:37:07	Fishing boat	Stationary	106	4	0	306	59	20	22.19103	113.98626	259.52	267.23
7-Feb-18	11:46:02	Porpoise	Surface	96	37	30	289	32	30	22.18914	113.98291	643.64	249.78
7-Feb-18	11:46:07	Porpoise	Surface	96	40	10	288	56	20	22.18909	113.98297	639.30	249.18
7-Feb-18	11:48:09	Fishing boat	Travelling	100	21	0	292	50	50	22.19007	113.98497	409.20	253.09
7-Feb-18	11:49:57	Fishing boat	Stationary	101	4	40	289	50	40	22.18997	113.98529	381.68	250.08
7-Feb-18	11:58:52	Fishing boat	Travelling	103	39	10	307	41	0	22.19104	113.98579	307.57	267.92
7-Feb-18	12:00:46	Fishing boat	Travelling	98	38	30	309	36	20	22.19113	113.98400	491.64	269.85
7-Feb-18	12:14:18	Fishing boat	Stationary	101	54	30	287	19	10	22.18992	113.98560	354.16	247.56
7-Feb-18	12:23:01	Fishing boat	Travelling	102	2	30	292	25	20	22.19020	113.98553	350.06	252.86
7-Feb-18	12:24:19	Fishing boat	Stationary	100	59	20	294	48	20	22.19025	113.98517	384.56	255.05
7-Feb-18	12:41:33	Fishing boat	Travelling	97	19	30	322	51	50	22.19232	113.98328	580.81	283.10
7-Feb-18	12:41:40	Fishing boat	Travelling	97	8	30	324	55	50	22.19254	113.98319	595.89	285.17
7-Feb-18	13:26:31	Zero	Stationary	92	17	0	0	0	10	22.20412	113.97711	1876.96	320.24
7-Feb-18	13:26:55	Porpoise	Surface	103	40	50	306	32	40	22.19098	113.98581	306.35	266.78
7-Feb-18	13:30:08	Porpoise	Surface	113	22	30	277	40	40	22.19031	113.98736	172.50	237.92
7-Feb-18	13:30:23	Porpoise	Surface	113	23	20	270	37	10	22.19016	113.98748	172.39	230.86
7-Feb-18	13:33:44	Porpoise	Surface	113	26	10	293	26	10	22.19070	113.98717	171.99	253.68
7-Feb-18	13:35:05	Porpoise	Surface	111	35	50	277	54	20	22.19024	113.98722	188.32	238.15
7-Feb-18	13:35:09	Porpoise	Surface	111	34	20	276	24	40	22.19021	113.98725	188.56	236.65
7-Feb-18	13:35:46	Porpoise	Surface	112	46	0	276	15	0	22.19026	113.98734	177.64	236.49
7-Feb-18	13:37:46	Porpoise	Surface	108	12	50	254	4	50	22.18946	113.98754	226.56	214.32
7-Feb-18	13:39:37	Porpoise	Surface	106	46	0	244	21	20	22.18911	113.98778	247.43	204.60
7-Feb-18	13:39:45	Porpoise	Surface	106	39	0	243	58	20	22.18909	113.98778	249.27	204.21
7-Feb-18	13:39:50	Porpoise	Surface	106	35	0	243	58	30	22.18908	113.98778	250.33	204.22
7-Feb-18	13:39:54	Porpoise	Surface	106	27	50	243	4	10	22.18905	113.98781	252.25	203.31
7-Feb-18	13:42:23	Porpoise	Surface	102	1	40	222	57	0	22.18900	113.98659	349.88	183.19
7-Feb-18	13:56:04	Fishing Boat	Travelling	93	20	10	234	20	0	22.17999	113.98565	1280.53	194.57
7-Feb-18	14:00:37	Fishing Boat	Travelling	92	4	50	264	55	40	22.17807	113.97458	2060.14	225.17
7-Feb-18	14:01:40	Fishing Boat	Travelling	91	49	10	271	27	30	22.17798	113.97079	2359.25	231.70
7-Feb-18	14:04:17	Fishing Boat	Travelling	92	18	20	265	42	20	22.17952	113.97581	1857.21	225.95
7-Feb-18	14:04:24	Fishing Boat	Travelling	93	27	50	246	0	0	22.18119	113.98348	1232.81	206.24
7-Feb-18	14:06:34	Fishing Boat	Travelling	94	54	50	221	0	40	22.18334	113.98659	867.21	181.25
7-Feb-18	14:09:50	Fishing Boat	Travelling	95	1	40	238	46	10	22.18393	113.98610	847.38	199.01
7-Feb-18	14:15:50	Porpoise	Surface	103	40	40	304	44	10	22.19090	113.98581	306.09	264.98
7-Feb-18	14:15:58	Porpoise	Surface	104	33	30	301	47	50	22.19078	113.98602	286.83	262.04
7-Feb-18	14:16:30	Porpoise	Surface	106	6	10	293	23	40	22.19048	113.98637	258.02	253.63
7-Feb-18	14:16:45	Porpoise	Surface	107	21	30	288	48	50	22.19037	113.98661	238.30	249.05
7-Feb-18	14:17:06	Porpoise	Surface	107	39	50	281	10	20	22.19013	113.98678	233.91	241.41
7-Feb-18	14:17:36	Porpoise	Surface	107	57	30	268	7	50	22.18976	113.98711	229.81	228.37
7-Feb-18	14:17:51	Porpoise	Surface	107	47	40	261	17	10	22.18958	113.98728	232.07	221.53
7-Feb-18	14:18:02	Porpoise	Surface	107	27	0	253	34	10	22.18937	113.98750	236.96	213.81
7-Feb-18	14:18:10	Porpoise	Surface	107	6	50	255	24	10	22.18937	113.98741	241.91	215.64
7-Feb-18	14:20:15	Porpoise	Surface	102	45	10	266	39	10	22.18911	113.98644	329.11	226.89
7-Feb-18	14:21:27	Fishing Boat	Travelling	93	45	40	234	24	50	22.18126	113.98599	1134.45	194.65
7-Feb-18	14:22:10	Porpoise	Surface	101	5	30	262	19	40	22.18862	113.98628	379.95	222.57
7-Feb-18	14:22:16	Porpoise	Surface	101	13	30	262	17	10	22.18865	113.98631	375.32	222.53
7-Feb-18	14:22:22	Porpoise	Surface	101	29	40	262	23	40	22.18871	113.98637	366.28	222.63
7-Feb-18	14:24:17	Porpoise	Surface	104	39	10	263	3	20	22.18927	113.98688	284.85	223.30
7-Feb-18	14:24:24	Porpoise	Surface	105	0	0	264	0	0	22.18935	113.98689	277.95	224.24
7-Feb-18	14:29:57	Fishing Boat	Stationary	94	22	50	235	49	20	22.18272	113.98616	973.00	196.06
7-Feb-18	14:37:45	Porpoise	Surface	110	30	50	231	16	30	22.18938	113.98839	198.99	191.52
7-Feb-18	14:43:35	Porpoise	Surface	102	13	20	312	5					

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
7-Feb-18	14:58:14	Porpoise	Surface	100	1	50	318	36	0	22.19172	113.98474	420.80	276.84
7-Feb-18	15:09:25	Research Vessel	Travelling	100	12	20	290	50	30	22.18993	113.98498	413.34	251.08
7-Feb-18	15:10:34	Research Vessel	Travelling	97	23	40	263	13	0	22.18739	113.98494	573.47	223.46
7-Feb-18	15:11:54	Research Vessel	Travelling	95	2	40	249	8	40	22.18452	113.98476	843.51	209.38
7-Feb-18	15:13:49	Research Vessel	Travelling	93	23	50	239	59	50	22.18054	113.98456	1255.47	200.24
13-Feb-18	9:39:32	Zero	Stationary	109	37	40	0	0	0	22.19259	113.98748	209.46	320.24
13-Feb-18	9:45:31	Fishing boat	Stationary	95	55	40	260	39	30	22.18624	113.98420	719.71	220.90
13-Feb-18	9:47:29	Fishing boat	Travelling	109	21	30	233	27	20	22.18928	113.98829	212.58	193.70
13-Feb-18	9:47:54	Fishing boat	Travelling	104	40	30	221	16	40	22.18857	113.98870	285.21	181.52
13-Feb-18	9:51:40	Fishing boat	Stationary	103	57	20	223	33	10	22.18844	113.98858	300.57	183.79
13-Feb-18	10:00:07	Fishing boat	Travelling	100	54	20	313	2	20	22.19134	113.98502	387.73	273.28
13-Feb-18	10:00:56	Fishing boat	Travelling	100	56	40	301	50	50	22.19066	113.98506	386.33	262.09
13-Feb-18	10:04:01	Fishing boat	Travelling	93	15	10	237	34	20	22.17986	113.98486	1316.72	197.81
13-Feb-18	10:04:21	Fishing boat	Stationary	114	13	20	257	31	40	22.18996	113.98779	166.04	217.77
13-Feb-18	10:04:34	Fishing boat	Stationary	114	17	30	256	47	40	22.18995	113.98781	165.51	217.03
13-Feb-18	10:14:10	Fishing boat	Stationary	111	48	20	268	18	0	22.19003	113.98742	186.73	228.54
13-Feb-18	10:17:14	Fishing boat	Travelling	95	5	20	247	32	0	22.18893	113.98752	277.12	207.77
13-Feb-18	10:19:02	Fishing boat	Travelling	93	53	40	245	21	0	22.18222	113.98417	1098.87	205.59
13-Feb-18	10:19:12	Fishing boat	Travelling	102	49	40	294	28	30	22.19036	113.98570	328.15	254.72
13-Feb-18	10:20:43	Fishing boat	Travelling	98	13	50	321	42	10	22.19210	113.98386	516.67	281.94
13-Feb-18	10:20:53	Fishing boat	Stationary	95	16	40	286	21	20	22.18825	113.98156	809.35	246.60
13-Feb-18	10:23:47	Speedboat	Travelling	97	25	0	249	35	50	22.18666	113.98600	574.18	209.84
13-Feb-18	10:24:39	Speedboat	Travelling	98	19	50	301	39	0	22.19049	113.98387	510.40	261.89
13-Feb-18	10:25:01	Speedboat	Travelling	96	40	20	316	53	20	22.19185	113.98262	638.99	277.13
13-Feb-18	10:25:15	Fishing boat	Travelling	109	36	40	276	58	50	22.19012	113.98706	209.71	237.22
13-Feb-18	10:26:06	Fishing boat	Travelling	106	1	50	221	10	40	22.18880	113.98872	260.07	181.42
13-Feb-18	10:34:40	Fishing boat	Travelling	95	48	0	288	20	40	22.18872	113.98212	736.09	248.58
13-Feb-18	10:36:26	Fishing boat	Stationary	98	17	10	264	51	30	22.18788	113.98524	513.26	225.10
13-Feb-18	10:42:39	Container Boat	Travelling	93	57	40	222	16	0	22.18142	113.98832	1080.61	182.51
13-Feb-18	10:45:04	Fishing boat	Travelling	97	56	30	274	9	30	22.18833	113.98454	535.90	234.40
13-Feb-18	10:45:19	Container Boat	Travelling	92	46	0	243	9	40	22.17833	113.98279	1550.47	203.40
13-Feb-18	10:46:28	Fishing boat	Travelling	91	20	0	229	37	30	22.18783	113.98816	372.96	189.87
13-Feb-18	10:47:36	Container Boat	Travelling	92	5	20	251	33	30	22.17540	113.97624	2058.24	211.80
13-Feb-18	10:48:58	Speedboat	Travelling	97	25	0	239	19	20	22.18627	113.98691	574.37	199.56
13-Feb-18	10:50:06	Speedboat	Travelling	93	17	50	268	58	10	22.18350	113.97921	1299.67	229.21
13-Feb-18	10:50:34	Fishing boat	Travelling	107	35	20	301	8	10	22.19082	113.98651	235.79	261.38
13-Feb-18	10:53:58	Fishing boat	Travelling	100	23	30	314	55	20	22.19147	113.98483	407.67	275.16
13-Feb-18	10:54:26	Fishing boat	Stationary	97	4	0	322	26	20	22.19233	113.98306	603.19	282.68
13-Feb-18	11:00:24	Fishing boat	Travelling	98	29	40	319	34	0	22.19191	113.98398	500.65	279.81
13-Feb-18	11:02:46	Fishing boat	Stationary	99	12	20	311	8	10	22.19124	113.98429	461.37	271.38
13-Feb-18	11:04:23	Container Boat	Travelling	94	20	50	219	26	30	22.18228	113.98883	984.39	179.68
13-Feb-18	11:07:51	Container Boat	Travelling	93	17	40	275	20	0	22.18452	113.97835	1301.07	235.57
13-Feb-18	11:10:38	Container Boat	Travelling	92	8	50	294	37	0	22.18643	113.98699	2002.41	254.86
13-Feb-18	11:16:43	Fishing boat	Stationary	98	40	10	314	33	50	22.19151	113.98403	490.49	274.80
13-Feb-18	11:20:13	Fishing boat	Travelling	99	35	0	308	5	20	22.19102	113.98447	442.96	268.33
13-Feb-18	11:22:55	Fishing boat	Stationary	102	7	10	283	47	10	22.18977	113.98573	348.26	244.03
13-Feb-18	11:28:41	Fishing boat	Travelling	101	12	50	311	19	40	22.19123	113.98511	377.25	271.57
13-Feb-18	11:30:06	Fishing boat	Travelling	98	30	40	314	38	30	22.19152	113.98394	499.85	274.88
13-Feb-18	11:44:48	Fishing boat	Travelling	103	42	20	307	28	40	22.19103	113.98580	306.73	267.72
13-Feb-18	11:47:35	Fishing boat	Travelling	96	24	40	319	57	50	22.19220	113.98241	666.00	280.20
13-Feb-18	11:47:46	Fishing boat	Travelling	100	49	50	311	11	30	22.18123	113.98498	391.04	271.43
13-Feb-18	11:50:24	Fishing boat	Travelling	106	52	10	291	40	30	22.19045	113.98650	246.69	251.92
13-Feb-18	11:51:51	Fishing boat	Stationary	108	20	20	286	8	0	22.19032	113.98677	225.68	246.37
13-Feb-18	11:58:18	Fishing boat	Travelling	107	34	50	290	10	20	22.19043	113.98662	236.12	250.41
13-Feb-18	12:07:39	Fishing boat	Travelling	102	46	40	288	36	40	22.19007	113.98579	329.95	248.85
13-Feb-18	12:07:51	Fishing boat	Stationary	104	52	10	264	0	30	22.18932	113.98687	281.82	224.25
13-Feb-18	12:13:55	Fishing boat	Travelling	104	15	10	285	24	0	22.19005	113.98617	294.59	245.64
13-Feb-18	12:17:40	Fishing boat	Stationary	103	24	0	297	30	0	22.19054	113.98579	314.13	257.74
13-Feb-18	12:19:15	Fishing boat	Travelling	100	2	20	313	18	20	22.19137	113.98468	422.79	273.55
13-Feb-18	12:34:35	Fishing boat	Travelling	104	32	20	278	33	40	22.18979	113.98638	288.62	238.80
13-Feb-18	12:36:05	Fishing boat	Stationary	99	20	20	312	1	30	22.19130	113.98436	455.23	272.27
13-Feb-18	12:42:15	Fishing boat	Travelling	97	42	40	320	13	10	22.19204	113.98349	553.00	280.46
13-Feb-18	12:44:15	Fishing boat	Travelling	97	46	20	314	14	30	22.19152	113.98346	548.61	274.48
13-Feb-18	12:53:35	Fishing boat	Travelling	97	2	20	323	44	50	22.19246	113.98306	606.56	283.99
13-Feb-18	12:54:59	Fishing boat	Travelling	92	31	20	229	15	50	22.17601	113.98604	1704.77	189.50
13-Feb-18	12:59:14	Fishing boat	Travelling	91	42	20	253	20	0	22.17216	113.97517	2531.31	213.57
13-Feb-18	12:59:30	Fishing boat	Stationary	98	59	50	315	33	30	22.19157	113.98420	472.97	275.80
13-Feb-18	13:10:37	Fishing boat	Travelling	96	41	10	322	0	30	22.19236	113.98271	639.05	282.25
13-Feb-18	13:12:08	Fishing boat	Travelling	97	50	10	317	3	30	22.19176	113.98353	544.25	277.30
13-Feb-18	13:14:34	Fishing boat	Travelling	102	43	0	310	18	20	22.19117	113.98555	331.83	270.55
13-Feb-18	13:17:12	Fishing boat	Stationary	107	55	40	301	15	20	22.19083	113.98655	231.42	261.50
13-Feb-18	13:21:29	Fishing boat	Stationary	107	33	0	289	33	40	22.19040	113.98662	236.70	249.80
13-Feb-18	13:22:15	Fishing boat	Travelling	111	55	10	286	12	20	22.19047	113.98712	186.03	246.45
13-Feb-18	13:22:31	Fishing boat	Stationary	112	24	20	287	34	50	22.19052	113.98714	181.56	247.82
13-Feb-18	13:25:49	Fishing boat	Travelling	109	46	20	274	12	0	22.19005	113.98713	208.21	234.44
13-Feb-18	13:28:35	Fishing boat	Stationary	107	40	10	270	34	40	22.18980	113.98701	234.94	230.82
13-Feb-18	13:28:52	Fishing boat	Travelling	108	26	50	266	35	40	22.18976	113.98719	224.36	226.83
13-Feb-18	13:29:35	Fishing boat	Travelling	106	49	50	232	13	0	22.18896	113.98826	247.40	192.46
13-Feb-18	13:30:04	Fishing boat	Stationary	106	30	40	227	53	50	22.18889	113.98843	252.47	188.14
13-Feb-18	13:31:18	Fishing boat	Travelling	105	7	40	225	18	0	22.18866	113.98852	276.82	185.54
13-Feb-18	13:32:17	Porpoise	Surface	103	29	0	306	8	50	22.19086	113.98575	312.11	266.39
13-Feb-18	13:32:50	Porpoise	Surface	104	51	20	306	21	30	22.19099	113.98604	282.12	266.00
13-Feb-18	13:34:09	Porpoise	Surface	107	4	30	300	19	10	22.19078	113.98644	243.61	260.56
13-Feb-18	13:34:17	Porpoise	Surface	107	40	50	298	30	10	22.19073	113.98654	234.74	258.74
13-Feb-18	13:34:41	Fishing boat	Travelling	103	8	40	220	43	10	22.18826	113.98873	320.43	180.96
13-Feb-18	13:35:12	Porpoise	Surface	113	17	20	289	8	10	22.19059	113.98720	173.83	249.38
13-Feb-18	13:35:18	Porpoise	Surface	112	48	20	286	5	10	22.19050	113.98719	177.95	246.33
13-Feb-18	13:35:23	Porpoise	Surface	112	54	30	283	30	30	22.19043	113.98723	177.06	243.75
13-Feb-18	13:36:15	Porpoise	Surface	111	42	20	273	12	10	22.19013	113.98731	187.96	233.44
13-Feb-18	13:36:25	Porpoise	Surface	110	46	50	269	46	50	22.19000	113.98731		

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
13-Feb-18	14:30:36	Zero	Stationary	109	38	0		0	0	22.19259	113.98748	209.34	320.24
13-Feb-18	14:31:02	Transportation Boat	Travelling	92	39	10	238	45	0	22.17739	113.98367	1816.16	188.89
13-Feb-18	14:34:23	Transportation Boat	Travelling	91	51	20	263	43	20	22.17612	113.97314	2317.79	223.96
13-Feb-18	15:31:29	Government Boat	Travelling	92	27	30	235	14	20	22.17604	113.98426	1741.32	195.48
13-Feb-18	15:32:38	Government Boat	Travelling	91	37	10	266	10	0	22.17466	113.97009	2655.31	226.41
14-Feb-18	9:31:14	Zero	Stationary	91	30	20	0	0	0	22.21099	113.97094	2868.97	320.24
14-Feb-18	9:40:47	Porpoise	Surface	108	22	50	299	6	20	22.19076	113.98663	225.00	259.35
14-Feb-18	9:41:22	Porpoise	Surface	108	23	40	288	48	0	22.19042	113.98674	224.81	249.04
14-Feb-18	9:41:48	Porpoise	Surface	108	0	10	282	53	10	22.19020	113.98678	230.05	243.13
14-Feb-18	9:45:01	Porpoise	Surface	106	59	20	268	55	30	22.18970	113.98698	244.69	229.17
14-Feb-18	9:45:36	Porpoise	Surface	106	55	10	264	4	20	22.18956	113.98711	245.75	224.31
14-Feb-18	9:45:46	Porpoise	Surface	107	3	30	262	8	40	22.18952	113.98718	243.63	222.38
14-Feb-18	9:46:27	Porpoise	Surface	107	27	50	265	37	10	22.18965	113.98712	237.61	225.86
14-Feb-18	9:46:43	Fishing boat	Travelling	98	11	10	313	37	0	22.19145	113.98374	519.76	273.86
14-Feb-18	9:47:09	Porpoise	Surface	107	16	10	264	23	0	22.18960	113.98714	240.46	224.62
14-Feb-18	9:47:19	Porpoise	Surface	106	39	50	265	54	20	22.18958	113.98703	249.74	226.15
14-Feb-18	9:47:44	Fishing boat	Travelling	101	16	10	284	50	30	22.18972	113.98547	375.17	245.08
14-Feb-18	9:48:34	Fishing boat	Travelling	100	25	0	251	28	40	22.18803	113.98670	406.67	211.72
14-Feb-18	9:49:02	Fishing boat	Stationary	100	18	20	247	25	40	22.18786	113.98692	411.15	207.67
14-Feb-18	9:49:42	Porpoise	Surface	107	33	40	305	32	0	22.19098	113.98649	236.20	265.77
14-Feb-18	9:50:00	Fishing Boat	Travelling	102	50	40	309	7	40	22.19111	113.98559	327.85	269.37
14-Feb-18	9:50:28	Porpoise	Surface	108	20	20	288	15	40	22.19040	113.98674	225.50	248.50
14-Feb-18	9:50:52	Fishing Boat	Travelling	111	12	50	284	0	10	22.19039	113.98709	192.57	244.24
14-Feb-18	9:51:18	Fishing Boat	Travelling	113	22	50	258	15	40	22.18992	113.98773	172.89	218.50
14-Feb-18	9:53:48	Porpoise	Surface	100	11	30	311	5	0	22.19123	113.98474	415.80	271.32
14-Feb-18	9:55:40	Fishing boat	Travelling	99	16	10	250	35	20	22.18760	113.98650	458.02	210.83
14-Feb-18	9:56:21	Fishing boat	Travelling	101	33	30	216	38	20	22.18785	113.98897	365.48	176.88
14-Feb-18	9:57:39	Fishing boat	Travelling	101	32	50	312	28	40	22.19129	113.98523	365.83	272.72
14-Feb-18	9:58:45	Fishing boat	Travelling	110	15	40	261	25	0	22.18978	113.98747	202.46	221.66
14-Feb-18	9:59:23	Fishing boat	Travelling	105	52	10	226	48	10	22.18879	113.98846	262.90	187.04
14-Feb-18	10:00:41	Fishing boat	Stationary	104	30	30	221	43	10	22.18854	113.98868	288.81	181.96
14-Feb-18	10:11:08	Fishing boat	Stationary	109	54	40	256	5	0	22.18964	113.98759	206.28	216.32
14-Feb-18	10:11:49	Fishing boat	Stationary	96	18	50	318	8	10	22.19213	113.98230	675.56	279.38
14-Feb-18	10:12:28	Fishing boat	Travelling	97	26	40	318	14	20	22.19190	113.98328	571.97	278.48
14-Feb-18	10:13:40	Container Boat	Travelling	94	5	20	217	12	40	22.18173	113.98923	1046.30	177.45
14-Feb-18	10:14:02	Fishing boat	Travelling	103	30	20	309	7	30	22.19111	113.98575	311.09	269.37
14-Feb-18	10:15:23	Fishing boat	Travelling	103	3	0	296	2	0	22.19045	113.98573	322.35	256.27
14-Feb-18	10:15:47	Container Boat	Travelling	93	5	10	236	40	20	22.17918	113.98485	1388.48	196.91
14-Feb-18	10:17:15	Fishing boat	Travelling	107	41	20	283	22	10	22.19020	113.98674	234.27	243.61
14-Feb-18	10:18:06	Container Boat	Travelling	92	17	50	247	47	20	22.17629	113.98024	1869.22	208.03
14-Feb-18	10:19:27	Fishing boat	Travelling	105	5	50	253	0	50	22.18905	113.98730	276.97	213.25
14-Feb-18	10:19:51	Fishing boat	Travelling	114	11	10	266	40	20	22.19012	113.98760	166.36	226.91
14-Feb-18	10:20:38	Fishing boat	Travelling	107	2	50	226	42	0	22.18996	113.98849	243.67	186.94
14-Feb-18	10:20:57	Fishing boat	Travelling	112	32	20	267	28	0	22.19005	113.98748	180.03	227.71
14-Feb-18	10:23:56	Fishing boat	Travelling	103	26	10	289	36	50	22.19017	113.98592	312.78	249.85
14-Feb-18	10:24:43	Fishing Boat	Stationary	108	50	20	224	29	10	22.18917	113.98860	219.00	184.73
14-Feb-18	10:34:57	Fishing boat	Travelling	113	27	30	286	9	0	22.19052	113.98724	172.21	246.39
14-Feb-18	10:40:46	Fishing boat	Stationary	115	3	50	293	8	20	22.19073	113.98729	159.80	253.38
14-Feb-18	10:40:59	Fishing Boat	Stationary	109	20	40	223	33	20	22.18923	113.98664	212.88	183.80
14-Feb-18	10:47:48	Fishing boat	Travelling	112	3	10	281	44	0	22.19036	113.98719	184.50	241.97
14-Feb-18	10:48:10	Fishing boat	Stationary	98	6	50	320	13	40	22.19200	113.98377	524.37	280.47
14-Feb-18	10:49:02	Fishing boat	Stationary	110	3	0	258	56	40	22.18971	113.98752	204.79	219.18
14-Feb-18	10:51:17	Porpoise	Surface	107	23	30	288	54	30	22.19037	113.98661	238.63	249.15
14-Feb-18	10:51:44	Porpoise	Surface	107	5	0	279	45	20	22.19004	113.98673	243.22	240.00
14-Feb-18	10:52:01	Porpoise	Surface	106	17	0	274	54	40	22.18982	113.98674	255.89	235.15
14-Feb-18	10:52:23	Fishing boat	Travelling	104	27	50	219	10	10	22.18853	113.98881	289.78	179.41
14-Feb-18	10:53:40	Porpoise	Surface	104	6	30	244	59	30	22.18872	113.98755	297.41	205.23
14-Feb-18	10:53:53	Fishing Boat	Travelling	107	58	0	262	30	50	22.18962	113.98726	230.50	222.75
14-Feb-18	10:54:34	Fishing Boat	Travelling	99	34	20	313	40	30	22.19141	113.98448	443.31	273.92
14-Feb-18	10:56:16	Speedboat	Travelling	93	49	20	266	53	50	22.18428	113.98080	1120.25	227.14
14-Feb-18	10:56:28	Fishing boat	Travelling	101	7	30	301	58	10	22.19068	113.98512	380.16	262.21
14-Feb-18	10:57:22	Speedboat	Travelling	96	6	30	302	50	50	22.19038	113.98204	698.81	263.09
14-Feb-18	10:57:54	Speedboat	Travelling	95	44	0	323	26	40	22.19272	113.98174	744.91	283.68
14-Feb-18	10:58:46	Fishing boat	Stationary	102	8	30	270	30	0	22.18916	113.98616	347.48	230.74
14-Feb-18	11:03:58	Fishing boat	Travelling	105	7	50	259	47	0	22.18923	113.98705	276.48	220.02
14-Feb-18	11:06:24	Fishing boat	Stationary	103	50	10	253	56	40	22.18888	113.98712	303.55	214.18
14-Feb-18	11:12:55	Fishing boat	Travelling	103	25	40	221	6	20	22.18832	113.98871	313.17	181.35
14-Feb-18	11:13:14	Fishing boat	Stationary	103	0	20	277	27	0	22.18958	113.98612	323.71	237.69
14-Feb-18	11:13:26	Fishing boat	Travelling	101	48	30	201	46	10	22.18808	113.98985	357.64	162.01
14-Feb-18	11:17:11	Fishing boat	Travelling	100	32	10	304	57	10	22.19084	113.98488	402.04	265.19
14-Feb-18	11:18:21	Fishing boat	Travelling	97	56	30	320	46	20	22.19206	113.98366	536.10	281.01
14-Feb-18	11:47:51	Fishing boat	Travelling	98	17	30	317	35	0	22.19177	113.98384	513.34	277.82
14-Feb-18	11:50:15	Fishing boat	Stationary	97	54	0	318	5	30	22.19184	113.98359	539.17	278.33
14-Feb-18	11:55:15	Fishing boat	Travelling	99	7	20	317	7	0	22.19168	113.98429	465.93	277.36
14-Feb-18	11:57:33	Fishing boat	Travelling	102	52	20	280	26	50	22.18970	113.98600	327.36	240.69
14-Feb-18	11:59:12	Fishing boat	Stationary	104	14	50	224	58	50	22.18850	113.98852	294.62	185.22
14-Feb-18	12:05:07	Fishing boat	Travelling	109	0	40	253	15	0	22.18951	113.98761	217.13	213.49
14-Feb-18	12:06:49	Fishing boat	Travelling	105	13	10	261	19	10	22.18929	113.98700	274.99	221.56
14-Feb-18	12:07:55	Fishing boat	Stationary	103	36	50	227	45	40	22.18839	113.98636	308.93	188.00
14-Feb-18	12:13:50	Fishing boat	Travelling	103	32	50	236	2	40	22.18846	113.98793	310.53	196.28
14-Feb-18	12:17:48	Fishing Boat	Stationary	101	45	50	312	25	20	22.19129	113.98529	359.31	272.66
14-Feb-18	12:18:48	Fishing boat	Travelling	99	26	30	312	48	20	22.19135	113.98441	450.01	273.05
14-Feb-18	12:20:55	Fishing boat	Stationary	97	47	40	316	11	30	22.19169	113.98350	546.77	276.43
14-Feb-18	12:22:18	Fishing Boat	Travelling	100	20	30	309	52	40	22.19115	113.98479	410.09	277.12
14-Feb-18	12:23:42	Fishing Boat	Travelling	109	10	50	266	51	0	22.18982	113.98725	215.11	227.09
14-Feb-18	12:24:34	Fishing boat	Travelling	107	19	10	221	52	0	22.18998	113.98669	239.96	182.11
14-Feb-18	12:26:15	Fishing boat	Travelling	96	34	50	325	38	20	22.19274	113.98271	648.91	285.88
14-Feb-18	12:41:11	Fishing boat	Travelling	100	36	40	291	10	50	22.18999	113.98510	399.53	251.42
14-Feb-18	12:41:34	Fishing Boat	Stationary	103	55	50	213	5	10	22.18844	113.98912	301.75	173.33
14-Feb-18	12:41:51	Fishing boat	Stationary	100	37	20	319	36	10	22.19175	113.98496	399.11	279.84</

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horiz Degrees	Fix Horiz Minutes	Fix Horiz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
14-Feb-18	13:15:53	Fishing boat	Travelling	103	16	30	284	3	20	22.18990	113.98600	317.37	244.30
14-Feb-18	13:18:44	Fishing boat	Travelling	105	57	0	249	26	40	22.18999	113.98752	261.99	209.68
14-Feb-18	13:17:39	Fishing boat	Stationary	104	1	30	224	36	30	22.18845	113.98953	299.78	184.85
14-Feb-18	13:23:58	Fishing boat	Travelling	104	59	10	227	35	20	22.18864	113.98941	279.74	187.83
14-Feb-18	13:25:34	Fishing boat	Stationary	104	51	10	254	51	40	22.18906	113.98720	282.37	215.10
14-Feb-18	13:25:56	Fishing boat	Travelling	105	4	40	265	36	20	22.18940	113.98684	277.96	225.85
14-Feb-18	13:27:25	Fishing boat	Travelling	100	24	0	309	42	50	22.19114	113.98481	408.06	269.95
14-Feb-18	13:28:42	Fishing boat	Stationary	98	17	10	319	45	50	22.19194	113.98386	514.31	280.00
14-Feb-18	13:45:04	Fishing boat	Travelling	97	4	30	321	11	10	22.19222	113.98303	603.67	281.43
14-Feb-18	13:48:14	Fishing boat	Travelling	99	29	50	314	18	50	22.19146	113.98444	447.80	274.55
14-Feb-18	13:59:32	Porpoise	Surface	99	26	20	251	23	20	22.18769	113.98648	450.67	211.63
14-Feb-18	14:00:47	Fishing boat	Stationary	106	21	50	284	43	40	22.19017	113.98653	255.11	244.97
14-Feb-18	14:06:02	Fishing boat	Travelling	106	23	0	284	8	0	22.19015	113.98655	254.74	244.37
14-Feb-18	14:07:04	Fishing boat	Travelling	102	9	40	299	33	30	22.19058	113.98545	347.55	259.80
14-Feb-18	14:09:09	Fishing boat	Travelling	104	32	10	243	6	40	22.18875	113.98767	288.82	203.35
14-Feb-18	14:19:05	Fishing boat	Stationary	112	57	40	251	30	50	22.18979	113.98787	176.69	211.75
14-Feb-18	14:26:02	Fishing boat	Travelling	110	22	10	281	44	20	22.18979	113.98747	201.57	221.98
14-Feb-18	14:31:58	Fishing boat	Stationary	108	7	30	277	26	10	22.19004	113.98690	228.59	237.68
14-Feb-18	14:47:44	Fishing boat	Travelling	104	55	20	294	29	40	22.19047	113.98815	280.63	254.73
14-Feb-18	14:47:57	Government Boat	Travelling	95	2	40	215	29	20	22.18353	113.98939	847.79	175.73
14-Feb-18	14:49:28	Government Boat	Stationary	98	43	50	318	23	10	22.19180	113.98410	487.04	278.63
14-Feb-18	14:52:06	Government Boat	Travelling	94	26	50	287	32	30	22.18786	113.98012	962.27	247.78
14-Feb-18	14:54:13	Government Boat	Stationary	94	0	10	292	1	50	22.18821	113.97888	1069.68	252.27
14-Feb-18	14:56:13	Fishing boat	Stationary	98	35	0	318	26	20	22.19181	113.98402	495.41	278.68
14-Feb-18	15:02:38	Fishing boat	Travelling	97	11	50	321	44	30	22.19224	113.98315	592.07	281.98
14-Feb-18	15:02:57	Fishing boat	Travelling	96	42	0	325	54	30	22.19273	113.98284	636.49	286.15
14-Feb-18	15:15:20	Government Boat	Travelling	93	7	20	313	31	20	22.19195	113.97547	1372.28	273.76
14-Feb-18	15:18:40	Government Boat	Stationary	92	54	10	317	0	50	22.19282	113.97454	1476.51	277.25
21-Feb-18	9:44:22	Zero	Stationary	103	19	50	0	0	0	22.19332	113.98682	315.71	320.24
21-Feb-18	10:16:30	Porpoise	Surface	93	32	40	322	41	0	22.19357	113.97733	1208.13	282.92
21-Feb-18	10:16:39	Porpoise	Surface	93	33	50	322	28	10	22.19352	113.97739	1201.49	282.71
21-Feb-18	10:17:07	Porpoise	Surface	93	33	30	323	15	50	22.19367	113.97741	1203.36	283.50
21-Feb-18	10:17:25	Porpoise	Surface	93	31	10	323	12	40	22.19369	113.97728	1218.72	283.45
21-Feb-18	10:17:32	Porpoise	Surface	93	30	50	323	2	50	22.19366	113.97725	1218.65	283.29
21-Feb-18	10:17:51	Porpoise	Surface	93	31	30	322	25	40	22.19354	113.97726	1214.77	282.67
21-Feb-18	10:18:00	Porpoise	Surface	93	27	30	322	5	0	22.19352	113.97702	1238.32	282.32
21-Feb-18	10:18:18	Porpoise	Surface	93	32	30	321	58	40	22.19344	113.97729	1209.01	282.22
21-Feb-18	10:18:38	Porpoise	Surface	93	33	20	321	26	20	22.19333	113.97732	1204.24	281.68
21-Feb-18	10:19:21	Porpoise	Surface	93	29	50	321	12	10	22.19332	113.97711	1224.41	281.44
21-Feb-18	10:19:30	Porpoise	Surface	93	28	50	321	2	10	22.19330	113.97705	1230.30	281.28
21-Feb-18	10:19:37	Porpoise	Surface	93	28	0	320	59	30	22.19330	113.97700	1235.25	281.23
21-Feb-18	10:19:44	Porpoise	Surface	93	27	0	321	6	10	22.19334	113.97695	1241.25	281.34
21-Feb-18	10:19:53	Porpoise	Surface	93	27	0	320	46	40	22.19327	113.97694	1241.24	281.02
21-Feb-18	10:19:58	Porpoise	Surface	93	27	0	320	39	0	22.19325	113.97693	1241.24	280.89
21-Feb-18	10:20:07	Porpoise	Surface	93	27	50	320	30	0	22.19321	113.97697	1236.23	280.74
21-Feb-18	10:20:19	Porpoise	Surface	93	27	40	320	11	10	22.19315	113.97695	1237.22	280.43
21-Feb-18	10:21:16	Porpoise	Surface	93	21	30	319	22	10	22.19305	113.97656	1275.26	279.61
21-Feb-18	10:21:34	Porpoise	Surface	93	25	40	318	17	20	22.19281	113.97677	1249.27	278.53
21-Feb-18	10:22:28	Porpoise	Surface	93	8	40	317	24	0	22.19277	113.97565	1362.47	277.94
21-Feb-18	10:23:17	Porpoise	Surface	93	15	10	316	27	20	22.19252	113.97507	1316.79	276.70
21-Feb-18	10:23:25	Porpoise	Surface	93	15	40	316	18	40	22.19249	113.97610	1313.40	276.55
21-Feb-18	10:26:08	Porpoise	Surface	93	28	40	309	20	0	22.19106	113.97681	1231.01	269.57
21-Feb-18	10:26:18	Porpoise	Surface	93	28	20	308	46	0	22.19095	113.97680	1232.98	269.01
21-Feb-18	10:27:01	Porpoise	Surface	93	24	20	306	38	30	22.19052	113.97658	1257.23	266.88
21-Feb-18	10:27:10	Porpoise	Surface	93	24	30	306	27	50	22.19049	113.97659	1256.19	266.70
21-Feb-18	10:28:13	Porpoise	Surface	93	34	10	305	21	30	22.19031	113.97716	1199.13	265.60
21-Feb-18	10:28:20	Porpoise	Surface	93	31	50	305	4	0	22.19025	113.97703	1212.41	265.31
21-Feb-18	10:28:25	Porpoise	Surface	93	30	30	304	48	40	22.19019	113.97696	1220.13	265.05
21-Feb-18	10:32:08	Porpoise	Surface	97	2	50	306	1	20	22.19078	113.98292	604.32	266.26
21-Feb-18	10:32:27	Porpoise	Surface	97	3	10	305	36	50	22.19075	113.98292	603.83	265.85
21-Feb-18	10:32:43	Porpoise	Surface	97	3	50	305	37	20	22.19075	113.98293	602.87	265.86
21-Feb-18	10:34:01	Porpoise	Surface	97	28	0	311	27	20	22.19129	113.98324	569.96	271.70
21-Feb-18	10:34:17	Porpoise	Surface	97	21	40	313	17	0	22.19146	113.98317	578.22	273.52
21-Feb-18	10:36:45	Porpoise	Surface	97	48	50	312	21	40	22.19136	113.98349	544.27	272.60
21-Feb-18	10:37:07	Porpoise	Surface	97	55	20	310	23	40	22.19119	113.98356	536.72	270.63
21-Feb-18	10:37:20	Porpoise	Surface	98	1	40	308	46	30	22.19106	113.98363	529.56	269.02
21-Feb-18	10:37:29	Porpoise	Surface	98	3	10	307	55	0	22.19099	113.98365	527.89	268.16
21-Feb-18	10:37:38	Porpoise	Surface	98	6	50	306	28	0	22.19087	113.98369	523.86	266.71
21-Feb-18	10:37:48	Porpoise	Surface	98	6	50	305	9	50	22.19076	113.98370	523.86	265.40
21-Feb-18	10:39:01	Fishing Boat	Travelling	94	24	20	228	42	10	22.18252	113.98731	970.03	188.94
21-Feb-18	10:39:19	Container Boat	Travelling	92	48	0	232	1	10	22.17768	113.98562	1530.29	192.26
21-Feb-18	10:40:30	Porpoise	Surface	98	26	10	289	15	30	22.18955	113.98419	503.51	249.50
21-Feb-18	10:40:36	Porpoise	Surface	98	20	50	288	41	10	22.18949	113.98416	508.95	248.93
21-Feb-18	10:41:20	Container Boat	Travelling	93	50	0	216	57	10	22.18111	113.98931	1115.64	177.19
21-Feb-18	10:41:31	Fishing Boat	Travelling	92	52	50	250	47	10	22.17967	113.98133	1487.11	211.03
21-Feb-18	10:42:33	Porpoise	Surface	98	48	20	282	0	50	22.18912	113.98463	482.03	242.25
21-Feb-18	10:42:39	Porpoise	Surface	98	50	50	281	13	0	22.18908	113.98468	479.72	241.46
21-Feb-18	10:43:32	Porpoise	Surface	98	57	10	279	19	50	22.18898	113.98481	473.95	239.57
21-Feb-18	10:43:39	Porpoise	Surface	99	2	40	279	19	50	22.18900	113.98485	469.07	239.57
21-Feb-18	10:44:16	Porpoise	Surface	99	7	30	280	20	30	22.18908	113.98484	464.85	240.58
21-Feb-18	10:51:13	Porpoise	Surface	95	40	40	325	40	10	22.19299	113.98176	751.08	285.91
21-Feb-18	10:51:21	Porpoise	Surface	95	37	30	326	2	10	22.19305	113.98170	758.18	286.28
21-Feb-18	10:55:57	Fishing boat	Travelling	111	39	0	264	53	20	22.18995	113.98748	187.99	225.13
21-Feb-18	10:56:13	Porpoise	Surface	113	7	50	271	58	50	22.19018	113.98744	174.68	232.22
21-Feb-18	10:57:17	Fishing boat	Travelling	102	7	0	312	31	40	22.19129	113.98540	347.59	272.77
21-Feb-18	10:58:41	Porpoise	Surface	95	37	10	314	44	30	22.19173	113.98143	758.74	274.98
21-Feb-18	10:58:50	Porpoise	Surface	95	34	30	315	25	20	22.19182	113.98138	764.83	275.66
21-Feb-18	11:00:15	Porpoise	Surface	101	8	0	223	46	40	22.18774	113.98852	379.16	184.02
21-Feb-18	11:00:21	Porpoise	Surface	101	1	50	222	48	20	22.18770	113.98858	382.78	183.05
21-Feb-18	11:01:18	Fishing boat	Travelling	100	35	20	314	32	40	22.19144	113.98491	399.14	274.78
21-Feb-18													

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
21-Feb-18	11:19:03	Porpoise	Surface	95	15	40	292	39	50	22.18900	113.98125	810.24	252.90
21-Feb-18	11:19:28	Fishing boat	Travelling	97	12	30	219	1	0	22.19199	113.98312	599.70	279.28
21-Feb-18	11:20:25	Porpoise	Surface	94	29	10	289	55	0	22.18823	113.98008	951.15	250.16
21-Feb-18	11:20:32	Porpoise	Surface	94	30	0	289	54	30	22.18824	113.98011	948.20	250.15
21-Feb-18	11:20:38	Porpoise	Surface	94	31	30	289	55	10	22.18826	113.98016	942.92	250.16
21-Feb-18	11:21:14	Fishing boat	Travelling	100	22	10	292	34	40	22.19006	113.98499	407.50	252.82
21-Feb-18	11:22:44	Porpoise	Surface	94	59	20	287	47	50	22.18826	113.98107	854.66	248.04
21-Feb-18	11:22:52	Porpoise	Surface	94	58	30	287	21	20	22.18820	113.98108	857.06	247.60
21-Feb-18	11:23:27	Fishing boat	Stationary	101	19	40	271	50	20	22.18908	113.98592	372.18	232.08
21-Feb-18	11:30:50	Porpoise	Surface	94	28	20	290	2	50	22.18824	113.98005	953.78	250.29
21-Feb-18	11:30:59	Porpoise	Surface	94	28	0	290	33	30	22.18831	113.98001	954.97	250.80
21-Feb-18	11:31:06	Porpoise	Surface	94	26	30	290	51	0	22.18834	113.97995	960.38	251.09
21-Feb-18	11:32:24	Porpoise	Surface	94	9	50	291	12	0	22.18820	113.97934	1024.78	251.44
21-Feb-18	11:32:31	Porpoise	Surface	94	8	50	290	57	40	22.18815	113.97931	1028.92	251.20
21-Feb-18	11:32:36	Porpoise	Surface	94	10	40	290	51	20	22.18816	113.97939	1021.35	251.10
21-Feb-18	11:32:45	Porpoise	Surface	94	5	0	290	31	50	22.18804	113.97919	1045.11	250.77
21-Feb-18	11:38:53	Porpoise	Surface	94	32	20	292	38	50	22.18955	113.98005	939.44	252.89
21-Feb-18	11:38:50	Porpoise	Surface	94	20	10	292	49	50	22.18856	113.97963	983.63	253.07
21-Feb-18	11:39:01	Porpoise	Surface	94	22	50	292	31	50	22.18854	113.97974	973.59	252.77
21-Feb-18	11:39:08	Porpoise	Surface	94	23	30	292	23	20	22.18853	113.97977	971.11	252.63
21-Feb-18	11:39:18	Porpoise	Surface	94	25	50	292	26	10	22.18856	113.97985	962.53	252.68
21-Feb-18	11:39:31	Porpoise	Surface	94	26	50	292	1	40	22.18851	113.97990	958.89	252.27
21-Feb-18	11:40:17	Fishing boat	Stationary	98	39	0	279	58	40	22.18895	113.98465	489.86	240.22
21-Feb-18	11:42:00	Fishing boat	Travelling	98	45	50	274	4	50	22.18860	113.98496	483.37	234.32
21-Feb-18	11:43:56	Fishing boat	Stationary	98	56	30	268	28	40	22.18833	113.98532	473.57	228.72
21-Feb-18	11:44:26	Porpoise	Surface	94	34	0	300	4	10	22.18972	113.97983	933.50	260.31
21-Feb-18	11:45:58	Porpoise	Surface	95	39	0	294	27	20	22.18935	113.98172	753.38	254.70
21-Feb-18	11:48:03	Porpoise	Surface	97	22	0	299	20	10	22.19020	113.98327	576.32	259.58
21-Feb-18	12:11:09	Fishing Boat	Travelling	96	8	20	224	27	0	22.18493	113.98823	692.31	184.69
21-Feb-18	12:14:26	Fishing Boat	Travelling	93	11	0	237	12	50	22.17963	113.98487	1340.55	197.45
21-Feb-18	12:15:41	Porpoise	Surface	97	3	50	284	24	20	22.18882	113.98350	600.74	244.65
21-Feb-18	12:15:46	Porpoise	Surface	97	5	0	283	58	50	22.18879	113.98353	599.07	244.22
21-Feb-18	12:17:54	Fishing Boat	Travelling	92	9	50	244	33	10	22.17498	113.98072	1977.35	204.79
21-Feb-18	12:18:05	Fishing Boat	Travelling	94	6	10	230	56	20	22.18197	113.98682	1038.50	191.18
21-Feb-18	12:18:33	Porpoise	Surface	101	33	0	278	40	30	22.18945	113.98575	364.14	238.92
21-Feb-18	12:22:35	Porpoise	Surface	103	31	0	254	57	40	22.18886	113.98704	309.51	215.20
21-Feb-18	12:23:24	Fishing Boat	Travelling	91	26	20	258	50	40	22.17025	113.97046	2989.59	219.08
21-Feb-18	12:23:30	Fishing Boat	Travelling	91	54	0	258	22	10	22.17528	113.97511	2254.57	218.61
21-Feb-18	12:26:17	Porpoise	Surface	101	39	10	282	0	40	22.18963	113.98567	360.74	242.25
21-Feb-18	12:28:17	Porpoise	Surface	102	48	40	275	19	30	22.18947	113.98616	327.13	235.57
21-Feb-18	12:28:27	Porpoise	Surface	102	34	0	277	14	10	22.18952	113.98604	333.71	237.48
21-Feb-18	12:29:39	Porpoise	Surface	103	25	10	275	25	0	22.18956	113.98628	311.76	235.66
21-Feb-18	12:29:43	Porpoise	Surface	103	31	50	274	45	40	22.18954	113.98632	309.11	235.00
21-Feb-18	12:29:57	Porpoise	Surface	103	50	40	273	1	30	22.18951	113.98643	301.82	233.27
21-Feb-18	12:30:45	Fishing Boat	Travelling	95	30	20	229	28	50	22.18429	113.98751	772.11	189.72
21-Feb-18	12:31:26	Porpoise	Surface	101	43	10	273	55	50	22.18925	113.98595	358.57	234.17
21-Feb-18	12:32:31	Porpoise	Surface	102	45	20	274	35	50	22.18944	113.98617	328.56	234.84
21-Feb-18	12:32:51	Porpoise	Surface	102	30	20	276	21	30	22.18948	113.98606	335.34	236.60
21-Feb-18	12:32:59	Porpoise	Surface	102	26	10	276	3	30	22.18945	113.98605	337.27	236.30
21-Feb-18	12:33:24	Porpoise	Surface	102	29	0	277	0	0	22.18950	113.98603	335.95	237.24
21-Feb-18	12:33:46	Porpoise	Surface	102	5	40	279	54	40	22.18958	113.98585	347.10	240.15
21-Feb-18	12:33:57	Porpoise	Surface	102	11	0	280	3	30	22.18960	113.98587	344.48	240.30
21-Feb-18	12:34:07	Porpoise	Surface	102	18	30	279	36	20	22.18960	113.98591	340.87	239.85
21-Feb-18	12:34:34	Porpoise	Surface	102	26	10	280	28	30	22.18965	113.98592	337.26	240.72
21-Feb-18	12:34:40	Porpoise	Surface	102	26	10	279	43	10	22.18962	113.98594	337.25	239.96
21-Feb-18	12:35:57	Fishing Boat	Travelling	92	15	30	261	40	10	22.17846	113.97649	1892.75	221.91
21-Feb-18	12:36:17	Container Boat	Travelling	92	58	0	249	17	0	22.17988	113.98189	1437.97	209.52
21-Feb-18	12:36:35	Container boat	Travelling	91	59	40	261	12	50	22.17667	113.97497	2145.68	221.45
21-Feb-18	12:38:45	Container boat	Travelling	93	25	50	249	52	30	22.18147	113.98272	1242.36	210.12
21-Feb-18	12:38:53	Container Boat	Travelling	94	35	30	229	50	20	22.18293	113.98720	926.65	190.08
21-Feb-18	12:39:03	Fishing Boat	Travelling	91	36	30	266	22	40	22.17465	113.98693	2667.97	226.62
21-Feb-18	12:39:40	Container Boat	Travelling	95	11	20	220	3	40	22.18377	113.98874	819.32	180.30
21-Feb-18	12:40:10	Container boat	Travelling	95	37	50	226	54	50	22.18440	113.98786	754.59	187.15
21-Feb-18	12:48:45	Container Boat	Travelling	94	0	10	248	44	10	22.18277	113.98377	1063.47	208.98
21-Feb-18	12:50:49	Container Boat	Travelling	95	37	30	222	16	40	22.18435	113.98846	755.07	182.52
21-Feb-18	13:22:44	Speedboat	Travelling	104	1	10	279	41	30	22.18980	113.98627	297.76	239.93
21-Feb-18	13:23:15	Porpoise	Surface	92	35	20	330	11	20	22.19632	113.97376	1648.87	290.43
21-Feb-18	13:23:41	Porpoise	Surface	92	37	50	331	8	10	22.19646	113.97409	1622.60	291.38
21-Feb-18	13:23:53	Porpoise	Surface	92	26	10	331	45	40	22.19705	113.97298	1753.11	292.00
21-Feb-18	13:25:14	Speedboat	Stationary	98	22	0	308	11	0	22.19101	113.98387	505.64	268.42
21-Feb-18	13:26:57	Speedboat	Stationary	99	7	0	305	9	10	22.19080	113.98429	463.42	265.39
21-Feb-18	13:31:15	Porpoise	Surface	96	37	0	252	35	0	22.18629	113.98540	641.31	212.82
21-Feb-18	13:31:19	Porpoise	Surface	96	37	0	252	11	50	22.18627	113.98543	641.31	212.44
21-Feb-18	13:31:25	Porpoise	Surface	96	35	40	251	49	20	22.18623	113.98546	643.50	212.06
21-Feb-18	13:31:34	Porpoise	Surface	96	32	50	251	30	40	22.18618	113.98546	648.19	211.75
21-Feb-18	13:34:12	Porpoise	Surface	102	50	30	279	44	50	22.18967	113.98603	326.26	239.99
21-Feb-18	13:34:22	Porpoise	Surface	102	52	20	279	46	40	22.18968	113.98604	325.46	240.02
21-Feb-18	13:34:27	Porpoise	Surface	103	0	50	280	23	0	22.18972	113.98605	321.79	240.62
21-Feb-18	13:35:59	Porpoise	Surface	104	25	10	266	6	0	22.18934	113.98674	289.27	226.34
21-Feb-18	13:36:03	Porpoise	Surface	104	20	20	264	56	50	22.18929	113.98677	290.96	225.19
21-Feb-18	13:36:42	Porpoise	Surface	101	37	10	264	24	0	22.18882	113.98631	361.73	224.64
21-Feb-18	13:36:50	Porpoise	Surface	102	2	30	263	52	20	22.18889	113.98642	348.69	224.11
21-Feb-18	13:36:54	Porpoise	Surface	102	6	20	263	9	10	22.18887	113.98646	346.79	223.39
21-Feb-18	13:38:40	Porpoise	Surface	102	33	40	239	29	40	22.18831	113.98768	333.84	199.73
21-Feb-18	13:38:47	Porpoise	Surface	102	25	20	238	26	0	22.18826	113.98773	337.70	198.67
21-Feb-18	13:38:53	Porpoise	Surface	102	22	20	237	30	10	22.18823	113.98777	339.11	197.74
21-Feb-18	13:39:00	Porpoise	Surface	102	19	30	235	47	0	22.18819	113.98786	340.45	196.02
21-Feb-18	13:39:06	Porpoise	Surface	102	16	10	234	56	10	22.18817	113.98791	342.04	195.18
21-Feb-18	14:03:00	Speedboat	Travelling	97	56	40	317	31	50	22.19179	113.98364	533.51	277.77
21-Feb-18	14:03:35	Speedboat	Travelling	96	53	0	324	42	40	22.19257	113.98299	616.81	

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
21-Feb-18	14:29:53	Porpoise	Surface	100	58	0	259	14	20	22.18847	113.98640	384.47	219.48
21-Feb-18	14:29:59	Porpoise	Surface	101	10	10	259	2	20	22.18851	113.98646	377.31	219.28
21-Feb-18	14:30:05	Porpoise	Surface	101	21	10	258	53	20	22.18855	113.98650	371.06	219.13
21-Feb-18	14:30:09	Porpoise	Surface	101	32	10	258	42	40	22.18858	113.98655	365.00	218.95
21-Feb-18	14:30:12	Porpoise	Surface	101	38	0	258	42	40	22.18861	113.98657	361.87	218.95
21-Feb-18	14:30:17	Porpoise	Surface	101	43	30	259	18	30	22.18865	113.98656	358.96	219.55
21-Feb-18	14:31:24	Porpoise	Surface	104	25	40	245	0	30	22.18878	113.98758	289.57	205.25
21-Feb-18	14:31:26	Porpoise	Surface	104	22	20	244	29	20	22.18876	113.98760	290.74	204.73
21-Feb-18	14:35:42	Porpoise	Surface	108	17	40	276	30	20	22.19003	113.98695	225.36	236.75
21-Feb-18	14:36:17	Porpoise	Surface	108	22	50	280	7	40	22.19014	113.98688	224.23	240.37
21-Feb-18	14:36:39	Porpoise	Surface	109	56	20	281	15	20	22.19026	113.98702	205.39	241.50
21-Feb-18	14:37:14	Porpoise	Surface	110	2	10	284	37	50	22.19036	113.98698	204.31	244.87
21-Feb-18	14:40:55	Porpoise	Surface	108	35	0	280	55	40	22.19018	113.98689	221.64	241.17
21-Feb-18	14:42:24	Porpoise	Surface	110	48	40	282	41	20	22.19034	113.98708	196.06	242.93
21-Feb-18	14:46:11	Porpoise	Surface	107	1	10	278	38	20	22.19001	113.98675	243.48	238.88
21-Feb-18	14:46:14	Porpoise	Surface	106	44	0	278	49	10	22.18999	113.98671	247.90	239.06
21-Feb-18	14:46:20	Porpoise	Surface	106	52	40	280	26	30	22.19006	113.98670	245.65	240.68
21-Feb-18	14:46:25	Porpoise	Surface	107	0	40	280	16	40	22.19006	113.98672	243.61	240.52
21-Feb-18	14:46:36	Porpoise	Surface	107	17	10	281	51	40	22.19013	113.98672	239.50	242.10
21-Feb-18	14:46:41	Porpoise	Surface	107	27	20	282	4	40	22.19015	113.98674	237.02	242.32
21-Feb-18	14:50:38	Porpoise	Surface	108	25	50	262	28	30	22.18966	113.98730	223.68	222.72
21-Feb-18	14:50:59	Porpoise	Surface	107	11	40	258	37	10	22.18945	113.98731	240.88	218.86
21-Feb-18	14:52:57	Container Boat	Travelling	95	10	30	259	37	40	22.18545	113.98365	823.63	219.87
21-Feb-18	14:54:57	Container Boat	Travelling	97	38	20	226	55	10	22.18617	113.98810	555.99	187.16
21-Feb-18	14:55:37	Container Boat	Travelling	98	9	40	210	38	0	22.18652	113.98958	519.96	170.87
21-Feb-18	14:58:21	Porpoise	Surface	105	30	50	264	21	0	22.18942	113.98695	268.60	224.59
21-Feb-18	15:04:27	Government Boat	Travelling	94	4	30	254	57	0	22.18343	113.98291	1047.86	215.19
21-Feb-18	15:06:43	Government Boat	Travelling	93	7	10	296	24	30	22.18829	113.97581	1371.02	256.65
21-Feb-18	15:10:38	Government Boat	Travelling	91	39	50	326	46	10	22.19794	113.96475	2585.48	287.01
21-Feb-18	15:18:51	Research Vessel	Travelling	98	10	50	319	34	20	22.19193	113.98381	519.07	279.81
21-Feb-18	15:22:50	Research Vessel	Travelling	99	11	20	318	1	50	22.19174	113.98434	461.31	278.27
21-Feb-18	15:35:40	Research Vessel	Travelling	109	11	40	263	12	40	22.18974	113.98734	214.40	223.45
21-Feb-18	15:37:57	Research Vessel	Travelling	104	33	30	220	59	20	22.18855	113.98672	287.43	161.23
23-Feb-18	9:44:48	Zero	Stationary	122	17	30	0	0	0	22.18196	113.98904	118.30	320.24
23-Feb-18	10:13:21	Speedboat	Stationary	102	7	30	234	40	20	22.18811	113.98791	347.79	194.91
23-Feb-18	10:19:51	Speedboat	Travelling	101	59	20	245	3	20	22.18828	113.98732	351.80	205.30
23-Feb-18	10:20:24	Speedboat	Travelling	102	41	0	215	54	50	22.18816	113.98899	331.94	176.15
23-Feb-18	10:32:56	Porpoise	Surface	94	59	40	325	32	30	22.19323	113.98078	855.13	285.78
23-Feb-18	10:33:18	Porpoise	Surface	94	57	0	325	58	50	22.19331	113.98073	862.85	286.22
23-Feb-18	10:33:26	Porpoise	Surface	94	57	30	326	0	0	22.19331	113.98074	861.39	286.24
23-Feb-18	10:33:54	Porpoise	Surface	94	40	10	326	2	20	22.19345	113.98024	915.02	286.28
23-Feb-18	10:34:14	Porpoise	Surface	94	27	0	326	34	10	22.19364	113.97984	960.42	286.81
23-Feb-18	10:34:22	Porpoise	Surface	94	27	20	326	48	50	22.19367	113.97986	959.21	287.05
23-Feb-18	10:34:29	Porpoise	Surface	94	32	20	327	19	40	22.19370	113.98005	941.49	287.57
23-Feb-18	10:34:42	Porpoise	Surface	94	35	30	327	51	10	22.19374	113.98018	930.60	288.09
23-Feb-18	10:35:31	Porpoise	Surface	94	8	0	329	47	0	22.19433	113.97933	1034.41	290.02
23-Feb-18	10:38:56	Porpoise	Surface	94	3	0	328	56	20	22.19426	113.97909	1055.74	289.18
23-Feb-18	10:39:33	Porpoise	Surface	94	11	0	327	7	40	22.19388	113.97930	1021.88	287.37
23-Feb-18	10:40:36	Porpoise	Surface	94	38	30	326	2	30	22.19346	113.98019	920.38	286.28
23-Feb-18	10:44:17	Porpoise	Surface	94	9	30	330	5	10	22.19435	113.97941	1027.94	290.33
23-Feb-18	10:44:22	Porpoise	Surface	94	10	30	329	53	50	22.18431	113.97944	1023.81	290.14
23-Feb-18	10:45:02	Porpoise	Surface	93	57	30	329	52	40	22.19448	113.97892	1080.17	290.12
23-Feb-18	10:46:32	Fishing Boat	Travelling	93	9	40	221	30	50	22.17896	113.98838	1354.26	181.75
23-Feb-18	10:48:26	Porpoise	Surface	96	16	50	323	45	40	22.19262	113.98238	678.57	284.00
23-Feb-18	10:54:46	Porpoise	Surface	95	1	50	322	33	10	22.19283	113.98074	848.51	282.79
23-Feb-18	10:54:54	Porpoise	Surface	94	58	20	322	20	40	22.19282	113.98063	858.53	282.58
23-Feb-18	10:55:04	Porpoise	Surface	94	54	10	322	10	50	22.19282	113.98051	870.76	282.42
23-Feb-18	11:10:43	Fishing Boat	Travelling	92	49	20	245	49	0	22.17887	113.98230	1517.06	206.06
23-Feb-18	11:12:45	Container Boat	Travelling	94	28	40	235	56	30	22.18290	113.98620	953.54	196.18
23-Feb-18	11:12:58	Fishing Boat	Travelling	93	52	10	232	11	0	22.18143	113.98647	1104.38	192.42
23-Feb-18	11:15:49	Porpoise	Surface	107	55	30	298	31	30	22.19073	113.98658	230.62	258.77
23-Feb-18	11:15:54	Porpoise	Surface	108	20	20	298	37	10	22.19075	113.98663	225.06	258.86
23-Feb-18	11:16:00	Porpoise	Surface	108	51	20	297	44	50	22.19073	113.98670	218.44	257.99
23-Feb-18	11:16:37	Porpoise	Surface	107	31	20	294	5	40	22.19056	113.98657	236.28	254.33
23-Feb-18	11:16:51	Porpoise	Surface	106	14	30	295	57	20	22.19059	113.98636	256.08	256.20
23-Feb-18	11:17:04	Porpoise	Surface	105	21	10	298	18	10	22.19065	113.98619	271.71	256.54
23-Feb-18	11:17:09	Porpoise	Surface	104	49	10	298	43	40	22.19065	113.98609	281.96	258.97
23-Feb-18	11:17:14	Porpoise	Surface	104	38	50	299	28	10	22.19068	113.98605	285.43	259.71
23-Feb-18	11:17:24	Porpoise	Surface	103	52	50	300	28	20	22.19070	113.98588	301.89	260.71
23-Feb-18	11:17:34	Porpoise	Surface	103	6	0	302	12	30	22.19076	113.98569	320.58	262.45
23-Feb-18	11:17:48	Porpoise	Surface	102	30	0	302	50	50	22.19077	113.98553	336.51	263.09
23-Feb-18	11:18:47	Porpoise	Surface	99	55	0	301	14	20	22.19057	113.98468	426.74	261.48
23-Feb-18	11:19:28	Porpoise	Surface	100	39	20	295	1	30	22.19023	113.98505	396.51	255.27
23-Feb-18	11:19:57	Container Boat	Travelling	92	24	20	289	48	10	22.18567	113.97250	1781.46	200.04
23-Feb-18	11:20:09	Porpoise	Surface	99	33	0	289	38	30	22.18977	113.98473	443.44	249.88
23-Feb-18	11:20:18	Porpoise	Surface	99	28	0	288	5	40	22.18965	113.98474	447.42	248.33
23-Feb-18	11:21:16	Porpoise	Surface	98	19	40	288	33	10	22.18948	113.98416	509.68	248.79
23-Feb-18	11:22:15	Porpoise	Surface	98	21	10	292	25	40	22.18978	113.98406	508.12	252.67
23-Feb-18	11:22:21	Porpoise	Surface	98	23	40	293	4	40	22.18983	113.98407	505.56	253.32
23-Feb-18	11:22:25	Porpoise	Surface	98	7	20	293	15	20	22.18980	113.98391	522.76	253.50
23-Feb-18	11:22:56	Porpoise	Surface	97	36	10	292	12	20	22.18962	113.98360	558.96	252.45
23-Feb-18	11:33:03	Porpoise	Surface	96	13	20	282	45	50	22.18834	113.98285	684.26	243.00
23-Feb-18	11:36:00	Porpoise	Surface	94	26	30	281	38	40	22.18706	113.98054	960.81	241.88
23-Feb-18	11:36:07	Porpoise	Surface	94	23	50	281	37	50	22.18702	113.98046	970.57	241.87
23-Feb-18	11:36:36	Porpoise	Surface	94	15	50	281	31	30	22.18688	113.98021	1001.09	241.77
23-Feb-18	11:38:06	Porpoise	Surface	94	16	0	282	26	20	22.18701	113.98014	1000.40	242.68
23-Feb-18	11:38:17	Porpoise	Surface	94	16	0	282	20	50	22.18699	113.98015	1000.40	242.59
23-Feb-18	11:38:20	Porpoise	Surface	94	15	20	282	11	0	22.18696	113.98014	1003.02	242.42
23-Feb-18	11:38:26	Porpoise	Surface	94	15	20	281	56	40	22.18693	113.98016	1003.02	242.18
23-Feb-18	11:39:28	Porpoise	Surface	94	24	20	277	9	20	22.18644	113.98085	968	

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horiz Degrees	Fix Horiz Minutes	Fix Horiz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
23-Feb-18	12:00:25	Porpoise	Surface	92	52	0	280	52	40	22.18465	113.97608	1491.60	241.12
23-Feb-18	12:00:39	Porpoise	Surface	92	49	50	281	37	10	22.18473	113.97583	1510.75	241.98
23-Feb-18	12:01:14	Porpoise	Surface	92	46	40	283	7	40	22.18493	113.97540	1539.62	243.37
23-Feb-18	12:01:55	Porpoise	Surface	92	41	20	282	23	50	22.18456	113.97505	1590.84	242.64
23-Feb-18	12:03:20	Porpoise	Surface	92	49	30	283	21	50	22.18508	113.97560	1513.64	243.60
23-Feb-18	12:03:37	Porpoise	Surface	92	48	20	283	2	10	22.18497	113.97555	1524.19	243.28
23-Feb-18	12:03:47	Porpoise	Surface	92	48	30	283	11	0	22.18501	113.97554	1522.66	243.42
23-Feb-18	12:03:54	Porpoise	Surface	92	48	50	283	18	20	22.18505	113.97556	1519.63	243.55
23-Feb-18	12:04:07	Porpoise	Surface	92	47	30	283	54	10	22.18513	113.97538	1531.80	244.14
23-Feb-18	12:04:13	Porpoise	Surface	92	47	30	284	9	10	22.18518	113.97535	1531.80	244.39
23-Feb-18	12:04:35	Porpoise	Surface	92	45	50	284	37	40	22.18522	113.97516	1547.28	244.87
23-Feb-18	12:07:48	Porpoise	Surface	92	17	40	280	39	0	22.18297	113.97293	1866.30	240.89
23-Feb-18	12:08:03	Porpoise	Surface	92	18	0	280	13	20	22.18288	113.97304	1861.74	240.46
23-Feb-18	12:14:04	Porpoise	Surface	96	24	30	316	11	40	22.19181	113.98237	663.55	276.43
23-Feb-18	12:15:03	Fishing Boat	Travelling	93	27	40	229	57	30	22.18021	113.98666	1233.60	190.20
23-Feb-18	12:15:44	Porpoise	Surface	96	17	10	314	6	30	22.19160	113.98222	676.55	274.35
23-Feb-18	12:15:47	Porpoise	Surface	96	9	30	313	55	0	22.19159	113.98208	690.71	274.16
23-Feb-18	12:16:05	Porpoise	Surface	96	6	40	313	57	30	22.19160	113.98203	696.09	274.20
23-Feb-18	12:16:26	Porpoise	Surface	96	23	0	314	0	10	22.19158	113.98232	686.14	274.24
23-Feb-18	12:18:03	Porpoise	Surface	96	18	20	314	4	0	22.19159	113.98224	674.40	274.31
23-Feb-18	12:18:11	Porpoise	Surface	96	18	20	313	54	20	22.19158	113.98224	674.40	274.15
23-Feb-18	12:18:22	Porpoise	Surface	96	14	50	314	3	10	22.19160	113.98218	680.75	274.29
23-Feb-18	12:18:43	Porpoise	Surface	96	13	40	313	17	0	22.19152	113.98215	682.89	273.52
23-Feb-18	12:18:51	Porpoise	Surface	96	19	50	312	55	30	22.19147	113.98226	671.70	273.17
23-Feb-18	12:18:55	Porpoise	Surface	96	17	50	313	15	40	22.19151	113.98223	675.29	273.50
23-Feb-18	12:19:12	Porpoise	Surface	96	22	0	313	33	0	22.19154	113.98230	667.85	273.79
23-Feb-18	12:19:33	Porpoise	Surface	96	17	10	313	44	0	22.19156	113.98222	676.48	273.97
23-Feb-18	12:19:55	Speedboat	Travelling	107	17	20	247	28	40	22.18923	113.98770	239.31	207.72
23-Feb-18	12:20:16	Speedboat	Travelling	104	12	30	291	24	0	22.19030	113.98606	294.19	251.64
23-Feb-18	12:20:29	Porpoise	Surface	96	4	10	314	51	30	22.19170	113.98199	700.83	275.10
23-Feb-18	12:20:34	Porpoise	Surface	96	2	30	315	29	20	22.19177	113.98197	704.08	275.73
23-Feb-18	12:20:41	Speedboat	Travelling	98	52	40	317	38	20	22.19173	113.98419	476.95	277.88
23-Feb-18	12:20:57	Porpoise	Surface	96	9	0	315	9	40	22.19172	113.98209	691.57	275.40
23-Feb-18	12:22:09	Porpoise	Surface	94	46	50	316	34	50	22.19209	113.98018	891.30	276.82
23-Feb-18	12:22:16	Porpoise	Surface	94	46	30	317	4	40	22.19216	113.98018	892.34	277.32
23-Feb-18	12:23:39	Porpoise	Surface	94	47	40	318	35	50	22.19237	113.98024	888.67	278.84
23-Feb-18	12:23:54	Porpoise	Surface	95	16	0	318	4	30	22.19219	113.98100	808.48	278.32
23-Feb-18	12:24:12	Porpoise	Surface	95	24	30	319	22	50	22.19232	113.98123	787.15	279.62
23-Feb-18	12:24:22	Porpoise	Surface	95	32	0	320	15	0	22.19240	113.98143	769.23	280.49
23-Feb-18	12:24:32	Porpoise	Surface	95	38	30	321	17	0	22.19249	113.98159	754.35	281.52
23-Feb-18	12:25:11	Porpoise	Surface	95	54	40	324	32	10	22.19279	113.98201	719.68	284.78
23-Feb-18	12:25:19	Porpoise	Surface	95	54	10	325	8	20	22.19286	113.98202	720.71	285.38
23-Feb-18	12:25:49	Porpoise	Surface	96	0	50	325	54	50	22.19291	113.98218	707.27	286.15
23-Feb-18	12:25:58	Porpoise	Surface	95	58	10	325	18	20	22.19286	113.98211	712.58	286.55
23-Feb-18	12:26:08	Porpoise	Surface	95	56	20	324	28	50	22.19278	113.98204	716.27	284.72
23-Feb-18	12:32:03	Porpoise	Surface	94	12	20	325	5	20	22.19355	113.97928	1013.71	285.33
23-Feb-18	12:32:11	Porpoise	Surface	94	11	20	325	38	10	22.19364	113.97926	1017.76	285.88
23-Feb-18	12:33:01	Porpoise	Surface	94	2	10	324	52	0	22.19362	113.97886	1056.49	285.11
23-Feb-18	12:33:07	Porpoise	Surface	93	58	10	324	59	50	22.19368	113.97870	1074.33	285.24
23-Feb-18	12:34:55	Porpoise	Surface	94	54	10	323	53	20	22.19265	113.98049	868.68	281.13
23-Feb-18	12:35:46	Porpoise	Surface	94	28	10	318	28	10	22.19244	113.97962	953.43	278.71
23-Feb-18	12:36:27	Porpoise	Surface	94	30	0	318	55	40	22.19250	113.97969	946.90	279.17
23-Feb-18	12:36:58	Porpoise	Surface	94	23	0	320	42	10	22.19280	113.97950	972.24	280.94
23-Feb-18	12:37:04	Porpoise	Surface	94	24	0	320	55	0	22.19283	113.97954	968.54	281.16
23-Feb-18	12:37:57	Porpoise	Surface	94	39	40	322	13	50	22.19291	113.98010	913.94	282.47
23-Feb-18	12:38:33	Porpoise	Surface	94	45	0	304	54	0	22.19045	113.98009	896.72	265.14
23-Feb-18	12:40:05	Porpoise	Surface	93	26	20	307	19	30	22.19066	113.97673	1240.87	267.57
23-Feb-18	12:40:25	Porpoise	Surface	93	16	30	306	40	20	22.19051	113.97613	1303.32	266.91
23-Feb-18	12:40:30	Porpoise	Surface	93	15	50	306	27	10	22.19046	113.97609	1307.78	266.69
23-Feb-18	12:40:58	Porpoise	Surface	93	16	30	305	21	20	22.19024	113.97615	1303.30	265.60
23-Feb-18	12:41:16	Porpoise	Surface	93	14	20	305	5	0	22.19017	113.97601	1317.91	265.32
23-Feb-18	12:41:23	Porpoise	Surface	93	15	30	304	10	0	22.18999	113.97611	1310.00	264.41
23-Feb-18	12:41:32	Porpoise	Surface	93	14	40	303	29	30	22.18985	113.97607	1315.63	263.73
23-Feb-18	12:41:38	Porpoise	Surface	93	16	30	303	1	10	22.18976	113.97620	1303.28	263.26
23-Feb-18	12:42:01	Porpoise	Surface	93	10	50	301	31	50	22.18941	113.97587	1342.20	261.77
23-Feb-18	12:42:25	Porpoise	Surface	93	12	30	301	3	40	22.18933	113.97600	1330.50	261.30
23-Feb-18	12:42:33	Porpoise	Surface	93	15	0	300	43	50	22.18928	113.97617	1313.34	260.97
23-Feb-18	12:42:41	Porpoise	Surface	93	12	20	300	27	40	22.18920	113.97601	1331.65	260.70
23-Feb-18	12:42:47	Porpoise	Surface	93	11	50	300	20	40	22.18917	113.97598	1335.14	260.58
23-Feb-18	12:42:54	Porpoise	Surface	93	9	40	299	36	30	22.18900	113.97586	1350.48	259.85
23-Feb-18	12:43:04	Porpoise	Surface	93	8	30	299	8	30	22.18889	113.97580	1358.88	259.38
23-Feb-18	12:43:42	Porpoise	Surface	93	4	50	299	18	30	22.18888	113.97553	1385.98	259.55
23-Feb-18	12:43:47	Porpoise	Surface	93	3	20	299	14	0	22.18884	113.97543	1397.38	259.47
23-Feb-18	12:47:09	Porpoise	Surface	93	7	10	286	32	40	22.18628	113.97655	1368.48	246.78
23-Feb-18	12:53:18	Porpoise	Surface	95	3	0	293	35	50	22.18903	113.98091	842.81	253.84
23-Feb-18	12:53:26	Porpoise	Surface	95	6	10	293	51	30	22.18908	113.98098	834.04	254.10
23-Feb-18	12:53:40	Porpoise	Surface	95	11	50	294	16	50	22.18917	113.98111	818.77	254.52
23-Feb-18	12:55:32	Porpoise	Surface	97	37	40	295	55	10	22.18994	113.98353	555.86	256.16
23-Feb-18	12:56:54	Porpoise	Surface	98	40	0	292	33	20	22.18984	113.98424	488.33	252.80
23-Feb-18	12:58:25	Porpoise	Surface	98	34	0	287	24	20	22.18945	113.98434	494.10	247.65
23-Feb-18	12:58:46	Porpoise	Surface	98	39	10	291	9	40	22.18973	113.98427	489.11	251.40
23-Feb-18	12:59:09	Porpoise	Surface	98	51	10	293	44	40	22.18995	113.98431	477.87	253.98
23-Feb-18	12:59:30	Porpoise	Socialize	99	4	30	293	13	20	22.18995	113.98444	465.97	253.46
23-Feb-18	12:59:36	Porpoise	Socialize	99	1	40	293	14	30	22.18994	113.98441	468.45	253.48
23-Feb-18	13:00:06	Porpoise	Surface	99	43	40	294	34	0	22.19011	113.98471	434.14	254.81
23-Feb-18	13:00:22	Porpoise	Surface	100	5	0	294	9	20	22.19013	113.98486	418.51	254.40
23-Feb-18	13:00:36	Porpoise	Surface	99	48	20	294	48	10	22.19014	113.98473	430.62	255.04
23-Feb-18	13:02:19	Porpoise	Surface	99	44	20	288	59	0	22.18975	113.98484	433.61	249.22
23-Feb-18	13:02:29	Porpoise	Surface	99	54	0	289	3	40	22.18978	113.98490	426.41	249.30
23-Feb-18	13:02:40	Porpoise	Surface	99	55	20	289	52	20	22.18984	113.98489	425.43	250.11
23-Feb-18	13:02:57	Porpoise	Surface	99									

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horiz Degrees	Fix Horiz Minutes	Fix Horiz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
23-Feb-18	13:22:13	Porpoise	Surface	103	33	0	267	6	10	22.18926	113.98657	308.62	227.34
23-Feb-18	13:23:34	Porpoise	Surface	103	56	50	261	59	10	22.18914	113.98662	299.48	222.23
23-Feb-18	13:30:04	Porpoise	Surface	103	18	50	278	40	10	22.18968	113.98616	314.24	236.91
23-Feb-18	13:33:38	Porpoise	Surface	105	11	50	268	48	50	22.18952	113.98677	273.73	229.05
23-Feb-18	13:33:53	Porpoise	Surface	104	55	20	265	42	50	22.18939	113.98683	279.01	225.95
23-Feb-18	13:34:02	Porpoise	Surface	104	39	10	264	13	30	22.18931	113.98684	284.38	224.47
23-Feb-18	13:35:39	Porpoise	Surface	102	13	40	259	49	50	22.18878	113.98663	343.10	220.07
23-Feb-18	13:37:13	Porpoise	Surface	101	54	30	238	15	30	22.18813	113.98769	352.58	198.50
23-Feb-18	13:37:18	Porpoise	Surface	102	2	0	237	35	0	22.18815	113.98774	348.81	197.82
23-Feb-18	13:37:22	Porpoise	Surface	102	9	20	237	10	10	22.18817	113.98777	345.19	197.41
23-Feb-18	13:38:40	Porpoise	Surface	103	23	50	227	42	40	22.18836	113.98836	312.15	187.95
23-Feb-18	13:40:55	Porpoise	Surface	101	46	20	217	26	0	22.18793	113.98892	356.74	177.67
23-Feb-18	13:42:55	Porpoise	Surface	99	39	10	210	15	0	22.18726	113.98948	437.12	170.49
23-Feb-18	14:03:17	Porpoise	Surface	101	58	20	274	14	40	22.18931	113.98601	350.42	234.48
23-Feb-18	14:03:36	Porpoise	Surface	101	51	0	279	5	10	22.18951	113.98582	354.14	239.33
23-Feb-18	14:06:02	Porpoise	Surface	99	24	10	287	19	40	22.18960	113.98475	448.72	247.57
23-Feb-18	14:10:16	Porpoise	Surface	106	23	10	297	36	20	22.19066	113.98638	252.64	237.85
23-Feb-18	14:11:11	Porpoise	Surface	100	23	0	302	41	40	22.19069	113.98487	405.47	262.93
23-Feb-18	14:11:20	Porpoise	Surface	100	22	40	301	34	0	22.19062	113.98488	405.69	261.81
23-Feb-18	14:12:54	Porpoise	Surface	100	33	50	295	39	10	22.19027	113.98502	398.36	255.89
23-Feb-18	14:13:05	Porpoise	Surface	100	27	30	294	40	10	22.19020	113.98500	402.48	254.91
23-Feb-18	14:14:23	Porpoise	Surface	100	7	50	291	9	0	22.18994	113.98495	415.78	251.39
23-Feb-18	14:14:27	Porpoise	Surface	100	12	10	291	9	10	22.18995	113.98498	412.77	251.39
23-Feb-18	14:14:32	Porpoise	Surface	100	18	50	290	35	50	22.18993	113.98503	408.23	250.84
23-Feb-18	14:14:37	Porpoise	Surface	100	18	50	289	56	10	22.18989	113.98505	408.23	250.18
23-Feb-18	14:19:31	Porpoise	Surface	96	14	50	299	35	0	22.19006	113.98228	678.77	259.82
23-Feb-18	14:26:39	Container Boat	Travelling	93	12	30	229	11	0	22.17936	113.98667	1327.16	189.42
23-Feb-18	14:27:08	Container Boat	Travelling	91	51	50	296	38	0	22.18645	113.96706	2294.46	256.87
23-Feb-18	14:28:30	Container Boat	Travelling	93	37	50	210	51	50	22.18072	113.99054	1171.94	171.10
23-Feb-18	14:33:30	Container Boat	Travelling	94	44	50	242	42	10	22.18372	113.98539	894.77	202.94
23-Feb-18	14:35:11	Container Boat	Travelling	95	23	0	208	27	10	22.18418	113.99028	788.34	168.69
23-Feb-18	14:55:32	Fishing Boat	Travelling	96	23	50	232	38	0	22.18533	113.98734	662.13	192.87
23-Feb-18	14:55:54	Fishing Boat	Travelling	97	0	10	213	16	40	22.18574	113.98944	604.32	173.52
23-Feb-18	14:56:16	Government Boat	Stationary	93	32	40	214	17	0	22.18039	113.98989	1199.77	174.52
23-Feb-18	14:58:34	Government Boat	Travelling	93	51	40	231	13	10	22.18143	113.98665	1100.78	191.46
23-Feb-18	14:58:42	Fishing Boat	Travelling	92	58	50	263	38	30	22.18188	113.97916	1428.10	223.88
23-Feb-18	14:58:50	Fishing Boat	Travelling	93	33	0	255	50	0	22.18243	113.98192	1197.80	216.07
23-Feb-18	15:01:33	Government Boat	Travelling	93	17	20	276	15	10	22.18471	113.97830	1293.37	236.49
23-Feb-18	15:01:46	Fishing Boat	Travelling	91	51	50	272	22	0	22.17861	113.97108	2292.53	232.61
23-Feb-18	15:02:01	Fishing Boat	Travelling	92	3	20	269	33	20	22.17908	113.97337	2076.53	229.80
23-Feb-18	15:04:13	Government Boat	Travelling	92	15	50	298	6	30	22.18771	113.97085	1883.78	258.35
23-Feb-18	15:07:11	Government Boat	Stationary	92	0	30	309	9	50	22.19094	113.96812	2126.08	269.40
23-Feb-18	15:15:02	Porpoise	Surface	95	53	50	304	59	50	22.19060	113.98181	718.91	265.24
23-Feb-18	15:19:04	Porpoise	Surface	102	51	30	287	28	30	22.19003	113.98585	325.21	247.72
23-Feb-18	15:30:51	Porpoise	Surface	106	20	50	254	45	50	22.18927	113.98737	253.16	215.00
23-Feb-18	15:31:12	Porpoise	Surface	105	49	50	256	45	10	22.18926	113.98725	261.89	216.99
23-Feb-18	15:31:59	Porpoise	Surface	106	33	0	258	24	20	22.18938	113.98726	249.89	218.65
23-Feb-18	15:32:25	Porpoise	Surface	106	36	50	263	21	50	22.18952	113.98711	248.88	223.60
23-Feb-18	15:32:29	Porpoise	Surface	106	36	50	263	34	50	22.18952	113.98710	248.88	223.62
23-Feb-18	15:32:47	Porpoise	Surface	107	5	40	264	12	30	22.18959	113.98713	241.47	224.45
23-Feb-18	15:33:18	Porpoise	Surface	106	17	50	268	56	10	22.18964	113.98691	254.00	229.16
23-Feb-18	15:34:51	Porpoise	Surface	105	50	30	265	32	50	22.18950	113.98695	261.73	225.79
23-Feb-18	15:35:31	Porpoise	Surface	104	52	50	261	37	50	22.18927	113.98696	279.50	221.87
23-Feb-18	15:37:31	Porpoise	Surface	107	59	40	256	31	30	22.18949	113.98745	228.66	216.77
23-Feb-18	15:37:42	Porpoise	Surface	106	45	20	255	24	30	22.18933	113.98738	246.69	215.65
23-Feb-18	15:39:05	Porpoise	Surface	107	33	30	258	51	50	22.18950	113.98734	234.74	219.10
23-Feb-18	15:39:24	Porpoise	Surface	108	3	40	257	5	50	22.18951	113.98744	227.77	217.34
23-Feb-18	15:39:53	Porpoise	Surface	107	10	0	260	52	40	22.18951	113.98724	240.44	221.12
23-Feb-18	15:39:58	Porpoise	Surface	107	19	30	259	56	30	22.18950	113.98728	238.11	220.18
23-Feb-18	15:40:26	Porpoise	Surface	105	16	50	260	20	30	22.18928	113.98706	271.88	220.58
23-Feb-18	15:40:36	Porpoise	Surface	104	38	20	260	59	50	22.18921	113.98696	284.37	221.24
23-Feb-18	15:41:08	Porpoise	Surface	104	55	50	258	29	0	22.18918	113.98708	278.57	218.72
23-Feb-18	15:41:19	Porpoise	Surface	104	26	50	257	8	20	22.18908	113.98708	288.32	217.38
23-Feb-18	15:41:42	Porpoise	Surface	104	53	50	260	8	30	22.18922	113.98702	279.23	220.38
23-Feb-18	15:42:12	Porpoise	Surface	104	58	0	262	44	20	22.18931	113.98694	277.86	222.98
23-Feb-18	15:42:21	Porpoise	Surface	105	4	10	262	44	20	22.18932	113.98695	275.39	222.98
23-Feb-18	15:42:27	Porpoise	Surface	105	5	40	262	20	10	22.18931	113.98697	275.41	222.58
23-Feb-18	15:42:30	Porpoise	Surface	105	8	40	262	37	50	22.18933	113.98696	274.46	222.87
23-Feb-18	15:42:59	Porpoise	Surface	104	42	50	266	6	20	22.18938	113.98679	282.88	226.35
23-Feb-18	15:43:11	Porpoise	Surface	104	8	30	268	0	50	22.18937	113.98664	294.84	228.25
23-Feb-18	15:43:25	Porpoise	Surface	103	23	20	272	38	30	22.18944	113.98636	312.10	232.88
23-Feb-18	15:44:18	Porpoise	Surface	103	0	30	276	30	40	22.18955	113.98616	321.57	236.75
23-Feb-18	15:44:27	Porpoise	Surface	102	58	40	276	13	40	22.18954	113.98617	322.36	236.47
23-Feb-18	15:44:44	Porpoise	Surface	102	54	40	275	4	30	22.18948	113.98619	324.08	235.32
23-Feb-18	15:45:36	Porpoise	Surface	103	43	0	276	47	0	22.18965	113.98630	304.37	237.02
23-Feb-18	15:45:51	Porpoise	Surface	103	47	40	278	29	30	22.18973	113.98626	302.59	238.73
23-Feb-18	15:46:04	Porpoise	Surface	103	41	50	280	29	30	22.18980	113.98619	304.83	240.73
23-Feb-18	15:46:43	Porpoise	Surface	104	42	30	283	39	10	22.19002	113.98631	283.02	243.89
23-Feb-18	15:46:53	Porpoise	Surface	104	32	50	285	52	40	22.19010	113.98623	286.30	246.12
23-Feb-18	9:41:12	Zero	Stationary	111	26	30	0	0	0	22.19245	113.98760	190.05	320.24
23-Feb-18	9:42:00	Fishing Boat	Travelling	114	34	20	287	44	30	22.19059	113.98731	163.24	247.98
23-Feb-18	9:42:26	Fishing Boat	Travelling	108	25	10	289	9	20	22.19043	113.98674	224.13	249.40
23-Feb-18	9:42:41	Container Boat	Travelling	93	48	40	267	21	10	22.18433	113.98073	1121.94	227.59
23-Feb-18	9:42:59	Fishing Boat	Travelling	101	23	10	311	24	30	22.19123	113.98518	370.69	271.65
23-Feb-18	9:43:11	Fishing Boat	Travelling	98	51	0	320	40	40	22.19196	113.98420	479.49	280.92
23-Feb-18	9:45:05	Fishing Boat	Stationary	116	1	30	282	58	0	22.19052	113.98745	152.87	243.21
23-Feb-18	9:45:49	Container Boat	Travelling	92	37	0	289	13	50	22.18597	113.97387	1637.86	249.47
23-Feb-18	9:45:55	Container Boat	Travelling	92	33	20	276	35	0	22.18288	113.97513	1677.32	236.82
23-Feb-18	9:46:09	Speedboat	Travelling	106	11	40	244	46	40	22.18904	113.98772	257.03	205.02
23-Feb-18	9:47:38	Speedboat	Stationary	108	15	50	280	52	50	22.19016	113.98685	226.19	24

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
27-Feb-18	9:36:17	Speedboat	Travelling	98	17	10	318	18	20	22.19182	113.98385	512.73	278.55
27-Feb-18	9:57:24	Fishing boat	Stationary	99	21	50	258	19	20	22.18992	113.98484	452.81	243.66
27-Feb-18	9:57:33	Fishing boat	Stationary	97	32	10	258	22	20	22.18717	113.98535	584.49	218.61
27-Feb-18	9:58:27	Fishing boat	Travelling	99	27	20	300	45	40	22.19051	113.98447	448.34	281.00
27-Feb-18	9:58:41	Fishing Boat	Stationary	98	56	10	318	3	30	22.19176	113.98421	474.88	278.30
27-Feb-18	10:01:15	Porpoise	Surface	94	24	30	323	7	40	22.19316	113.97961	969.36	283.37
27-Feb-18	10:01:32	Porpoise	Surface	95	0	0	322	32	0	22.19284	113.98068	853.98	282.77
27-Feb-18	10:01:40	Porpoise	Surface	95	0	10	322	29	20	22.19283	113.98069	853.51	282.73
27-Feb-18	10:02:00	Porpoise	Surface	95	11	0	322	14	50	22.19274	113.98066	823.58	282.49
27-Feb-18	10:02:12	Porpoise	Surface	95	8	20	322	5	10	22.19273	113.98089	830.76	282.33
27-Feb-18	10:02:36	Porpoise	Surface	95	22	50	321	33	30	22.19260	113.98123	793.19	281.80
27-Feb-18	10:03:01	Porpoise	Surface	95	6	30	320	50	40	22.19258	113.98081	835.77	281.08
27-Feb-18	10:03:34	Porpoise	Surface	95	9	50	320	39	0	22.19254	113.98089	826.72	280.89
27-Feb-18	10:03:54	Fishing Boat	Stationary	98	43	40	320	53	40	22.19198	113.98414	486.44	281.13
27-Feb-18	10:04:21	Fishing boat	Stationary	98	12	10	312	5	20	22.19133	113.98375	518.07	272.33
27-Feb-18	10:05:58	Porpoise	Surface	94	36	20	321	53	50	22.19289	113.97996	927.66	282.14
27-Feb-18	10:06:14	Porpoise	Surface	94	50	20	321	44	30	22.19279	113.98039	882.66	281.98
27-Feb-18	10:06:49	Porpoise	Surface	94	40	30	320	23	50	22.19266	113.98005	913.81	280.64
27-Feb-18	10:06:52	Porpoise	Surface	94	38	20	320	10	20	22.19284	113.97997	920.96	280.41
27-Feb-18	10:06:56	Porpoise	Surface	94	36	10	319	52	10	22.19260	113.97990	928.24	280.11
27-Feb-18	10:07:07	Porpoise	Surface	94	41	30	318	25	10	22.19237	113.98003	910.54	278.66
27-Feb-18	10:07:37	Porpoise	Surface	95	7	30	317	41	30	22.19217	113.98076	833.08	277.93
27-Feb-18	10:09:16	Fishing boat	Travelling	97	48	30	315	5	0	22.19159	113.98351	544.64	275.32
27-Feb-18	10:09:27	Fishing boat	Travelling	97	14	50	323	45	50	22.19242	113.98324	587.35	284.00
27-Feb-18	10:10:43	Fishing boat	Travelling	95	28	10	324	24	30	22.19291	113.98144	780.29	284.65
27-Feb-18	10:12:18	Fishing boat	Travelling	99	3	10	252	5	10	22.18757	113.98634	468.74	212.33
27-Feb-18	10:12:34	Fishing boat	Stationary	95	5	20	319	19	40	22.19239	113.98074	839.08	279.57
27-Feb-18	10:16:47	Fishing boat	Travelling	95	57	20	314	53	10	22.19171	113.98185	716.17	275.13
27-Feb-18	10:16:57	Fishing boat	Stationary	97	51	0	255	14	20	22.18717	113.98572	541.76	215.48
27-Feb-18	10:17:07	Fishing Boat	Travelling	95	59	30	241	54	10	22.18521	113.98617	711.82	202.14
27-Feb-18	10:18:33	Porpoise	Surface	94	9	20	314	56	50	22.19198	113.97882	1028.91	275.19
27-Feb-18	10:18:42	Porpoise	Surface	94	7	50	314	41	20	22.19194	113.97875	1035.17	274.93
27-Feb-18	10:18:55	Porpoise	Surface	94	8	50	313	51	20	22.19180	113.97878	1030.99	274.10
27-Feb-18	10:20:43	Fishing Boat	Travelling	93	23	10	283	39	50	22.18613	113.97774	1264.21	243.90
27-Feb-18	10:20:52	Fishing boat	Stationary	97	6	40	317	23	50	22.19185	113.98301	598.81	277.64
27-Feb-18	10:22:31	Fishing Boat	Travelling	93	25	40	288	5	40	22.18699	113.97750	1248.78	248.33
27-Feb-18	10:24:31	Fishing Boat	Travelling	92	53	20	281	52	30	22.18490	113.97604	1483.27	242.12
27-Feb-18	10:24:43	Fishing boat	Travelling	100	24	10	247	47	10	22.18791	113.98692	406.85	208.03
27-Feb-18	10:26:57	Fishing Boat	Travelling	92	26	30	288	39	40	22.18545	113.97285	1757.07	248.90
27-Feb-18	10:31:22	Fishing boat	Travelling	95	29	0	324	36	50	22.19293	113.98146	778.50	284.85
27-Feb-18	10:31:37	Fishing Boat	Travelling	92	0	40	305	52	50	22.18984	113.98605	2137.08	266.12
27-Feb-18	10:35:52	Fishing boat	Travelling	99	3	40	301	8	40	22.19051	113.98428	468.44	261.38
27-Feb-18	10:36:58	Fishing boat	Stationary	102	51	0	277	59	30	22.18959	113.98607	327.46	238.23
27-Feb-18	10:37:07	Fishing boat	Stationary	97	33	20	260	4	30	22.18727	113.98524	563.30	220.32
27-Feb-18	10:45:42	Fishing boat	Travelling	104	44	50	249	27	20	22.18892	113.98741	283.80	209.70
27-Feb-18	10:46:16	Fishing boat	Travelling	102	35	10	269	42	30	22.18920	113.98629	334.60	229.95
27-Feb-18	10:46:48	Fishing boat	Travelling	104	14	10	289	0	40	22.19020	113.98610	294.46	249.25
27-Feb-18	10:50:48	Fishing boat	Stationary	97	40	30	311	32	20	22.19129	113.98339	554.52	271.78
27-Feb-18	10:58:42	Fishing boat	Travelling	97	24	30	311	49	0	22.19132	113.98319	574.78	272.06
27-Feb-18	11:00:42	Fishing boat	Stationary	101	23	30	264	28	30	22.18877	113.98634	370.86	224.72
27-Feb-18	11:01:12	Container Boat	Travelling	94	37	30	210	0	30	22.18294	113.99030	924.38	170.25
27-Feb-18	11:07:15	Container Boat	Travelling	93	7	10	287	13	10	22.18640	113.97645	1373.74	247.46
27-Feb-18	11:10:23	Fishing boat	Travelling	97	22	20	322	10	10	22.19226	113.98329	577.72	282.41
27-Feb-18	11:10:41	Container Boat	Travelling	92	2	40	301	6	40	22.18829	113.98657	2102.92	261.35
27-Feb-18	11:13:46	Fishing boat	Stationary	94	52	10	326	48	0	22.19345	113.98062	877.83	287.04
27-Feb-18	11:13:58	Fishing boat	Stationary	99	59	30	261	16	0	22.18828	113.98605	424.23	221.51
27-Feb-18	11:15:14	Fishing boat	Travelling	98	42	40	320	44	20	22.19197	113.98412	487.83	280.98
27-Feb-18	11:19:40	Fishing boat	Travelling	98	3	30	307	21	50	22.19094	113.98365	527.99	267.60
27-Feb-18	11:20:45	Fishing boat	Stationary	105	23	20	277	48	30	22.18985	113.98654	271.54	238.05
27-Feb-18	11:27:23	Fishing boat	Travelling	102	23	0	260	25	30	22.18881	113.98662	340.44	220.67
27-Feb-18	11:27:55	Fishing boat	Travelling	102	17	0	302	43	30	22.19076	113.98547	343.30	262.97
27-Feb-18	11:28:10	Fishing boat	Travelling	102	52	30	300	11	10	22.19065	113.98564	327.02	260.43
27-Feb-18	11:29:47	Fishing boat	Travelling	98	24	40	241	17	20	22.18691	113.98697	505.60	201.53
27-Feb-18	11:30:19	Fishing boat	Stationary	100	6	10	275	14	0	22.18900	113.98542	419.55	235.47
27-Feb-18	11:31:38	Fishing boat	Travelling	97	28	10	221	0	50	22.18801	113.98886	570.26	181.25
27-Feb-18	11:31:56	Container Boat	Travelling	95	55	0	213	32	40	22.18488	113.98854	721.61	173.78
27-Feb-18	11:33:10	Fishing boat	Travelling	99	11	10	302	7	40	22.19059	113.98432	462.29	262.37
27-Feb-18	11:33:26	Fishing boat	Stationary	98	47	30	302	8	20	22.19056	113.98412	483.40	262.38
27-Feb-18	11:34:48	Fishing boat	Travelling	94	22	0	217	0	10	22.18233	113.98924	979.82	177.24
27-Feb-18	11:34:58	Container Boat	Travelling	94	59	0	262	7	20	22.18543	113.98316	857.87	222.36
27-Feb-18	11:36:35	Fishing boat	Stationary	99	20	0	287	47	40	22.18961	113.98468	454.89	248.03
27-Feb-18	11:38:36	Container Boat	Travelling	93	4	0	291	24	0	22.18718	113.97588	1398.08	251.64
27-Feb-18	11:43:09	Fishing boat	Travelling	101	0	30	309	47	0	22.19114	113.98504	384.33	270.02
27-Feb-18	11:43:24	Fishing boat	Travelling	98	41	20	319	29	40	22.19188	113.98409	489.27	279.73
27-Feb-18	11:44:01	Fishing Boat	Travelling	93	6	30	258	49	30	22.18150	113.98033	1379.32	219.07
27-Feb-18	11:45:59	Fishing Boat	Travelling	94	28	40	244	31	40	22.18333	113.98489	955.50	204.77
27-Feb-18	11:46:11	Fishing boat	Stationary	95	26	10	324	7	0	22.19289	113.98138	786.05	284.36
27-Feb-18	11:47:27	Fishing boat	Stationary	98	15	50	308	44	20	22.19106	113.98377	514.85	268.98
27-Feb-18	11:48:11	Fishing Boat	Travelling	96	35	50	206	17	10	22.18548	113.99024	646.67	166.53
27-Feb-18	11:54:56	Transportation Boat	Travelling	92	42	40	267	41	10	22.18159	113.97736	1583.01	227.93
27-Feb-18	11:55:56	Fishing boat	Travelling	97	49	0	315	56	50	22.19167	113.98351	544.79	276.19
27-Feb-18	11:56:23	Fishing Boat	Stationary	98	46	40	321	21	30	22.19202	113.98417	484.31	281.60
27-Feb-18	11:58:44	Fishing boat	Travelling	102	6	0	303	56	10	22.19082	113.98541	348.79	264.18
27-Feb-18	11:57:03	Transportation Boat	Travelling	93	51	0	244	13	20	22.18203	113.98430	1112.43	204.46
27-Feb-18	11:58:54	Transportation Boat	Travelling	95	10	40	209	59	20	22.18382	113.99014	825.69	170.23
27-Feb-18	12:00:11	Fishing boat	Stationary	107	41	0	281	6	50	22.19013	113.98678	234.53	241.35
27-Feb-18	12:00:24	Fishing Boat	Travelling	107	6	20	301	56	0	22.19084	113.98644	242.97	262.17
27-Feb-18	12:02:14	Fishing boat	Travelling	105	52	50	311	25	40	22.19121	113.98622	262.84	271.67
27-Feb-18	12:04:56	Fishing boat	Travelling	107	29	40	270	19	50	22.18978	113.98700	237.24	230.57
27-Feb-18	12:05:51	Fishing boat	Travelling	104	1	50	227	4	0	22.18847	113.98841	299.25	187.31
27-Feb-1													

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
27-Feb-18	12:40:09	Fishing boat	Travelling	102	33	50	242	12	40	22.18835	113.98753	335.47	202.45
27-Feb-18	12:40:49	Fishing boat	Stationary	102	46	0	225	12	40	22.18906	113.98649	329.98	225.45
27-Feb-18	12:41:42	Container Boat	Travelling	93	18	50	220	36	30	22.17950	113.98958	1293.25	180.88
27-Feb-18	12:44:13	Container Boat	Travelling	93	24	50	244	6	20	22.18085	113.98375	1255.05	204.35
27-Feb-18	12:46:40	Container Boat	Travelling	92	13	10	256	12	20	22.17712	113.97760	1936.05	216.45
27-Feb-18	12:46:59	Container Boat	Travelling	91	25	0	295	16	40	22.18427	113.96006	3051.67	255.52
27-Feb-18	12:48:28	Fishing boat	Travelling	103	39	50	260	41	10	22.18905	113.98682	307.45	220.93
27-Feb-18	12:52:40	Container Boat	Travelling	91	50	20	291	48	0	22.18464	113.96714	2340.86	252.04
27-Feb-18	12:52:51	Container Boat	Travelling	92	21	40	222	0	30	22.17479	113.98808	1818.56	182.25
27-Feb-18	12:53:01	Container Boat	Travelling	92	21	10	271	1	10	22.18086	113.97494	1825.05	231.26
27-Feb-18	12:53:13	Fishing boat	Stationary	103	18	10	253	45	0	22.18878	113.98706	316.07	213.99
27-Feb-18	12:57:23	Container Boat	Travelling	92	2	0	199	23	50	22.17330	113.99593	2114.29	159.64
27-Feb-18	12:57:30	Container Boat	Travelling	92	57	10	225	49	40	22.17815	113.98729	1451.66	186.07
27-Feb-18	12:59:15	Porpoise	Surface	93	50	50	238	48	0	22.18168	113.98525	1112.39	199.04
27-Feb-18	12:59:25	Porpoise	Surface	93	46	50	239	22	10	22.18154	113.98509	1132.11	199.61
27-Feb-18	12:59:36	Fishing boat	Travelling	104	15	30	279	21	20	22.18980	113.98631	294.01	239.60
27-Feb-18	13:00:22	Fishing boat	Travelling	98	31	40	314	46	30	22.19154	113.98395	498.35	275.18
27-Feb-18	13:17:42	Porpoise	Surface	93	23	40	268	45	40	22.18369	113.97953	1260.90	229.00
27-Feb-18	13:19:44	Porpoise	Surface	93	11	0	267	35	30	22.18301	113.97909	1344.94	227.83
27-Feb-18	13:45:42	Fishing boat	Stationary	98	28	50	311	50	0	22.19130	113.98392	500.43	272.07
27-Feb-18	13:46:02	Fishing Boat	Travelling	94	49	20	223	28	20	22.18319	113.98822	884.95	183.71
27-Feb-18	13:46:46	Fishing boat	Travelling	108	9	30	290	53	0	22.19048	113.98669	227.45	251.12
27-Feb-18	13:47:53	Fishing boat	Stationary	108	12	50	288	30	20	22.19040	113.98672	226.70	248.75
27-Feb-18	13:48:04	Fishing Boat	Travelling	93	30	50	243	17	20	22.18110	113.98406	1216.60	203.53
27-Feb-18	13:53:16	Fishing Boat	Travelling	91	49	50	263	42	10	22.17593	113.97295	2346.99	223.94
27-Feb-18	14:08:16	Fishing boat	Travelling	107	13	20	259	48	10	22.18948	113.98727	240.49	220.04
27-Feb-18	14:08:46	Fishing boat	Travelling	104	9	0	220	31	50	22.18848	113.98874	295.69	180.77
27-Feb-18	14:14:16	Fishing Boat	Stationary	114	24	30	231	30	40	22.18969	113.98845	164.23	191.75
27-Feb-18	14:37:59	Container Boat	Travelling	92	31	10	232	0	30	22.17621	113.98528	1697.59	192.25
27-Feb-18	14:40:50	Container Boat	Travelling	92	57	30	209	15	50	22.17836	113.99133	1444.04	169.50
27-Feb-18	14:54:12	Porpoise	Surface	98	41	50	246	15	20	22.18722	113.98667	486.68	206.50
27-Feb-18	15:04:17	Fishing Boat	Travelling	97	2	20	220	35	20	22.18571	113.98689	602.83	180.83
27-Feb-18	15:06:54	Porpoise	Surface	97	54	10	229	29	30	22.18638	113.98790	536.14	189.73
27-Feb-18	15:10:29	Fishing Boat	Travelling	91	59	10	267	58	20	22.17821	113.97316	2155.69	228.21
27-Feb-18	15:25:58	Zero	Stationary	121	18	10	0	0	10	22.19198	113.98902	122.28	320.24
27-Feb-18	15:26:32	Porpoise	Surface	94	14	30	269	20	10	22.18528	113.98135	1003.56	229.58
27-Feb-18	15:26:47	Porpoise	Surface	94	10	50	269	32	40	22.18522	113.98122	1018.30	229.78
27-Feb-18	15:28:11	Porpoise	Surface	94	19	30	268	45	40	22.18533	113.98156	984.06	229.00
27-Feb-18	15:28:28	Porpoise	Surface	94	17	10	268	25	0	22.18524	113.98153	993.03	228.66
27-Feb-18	15:28:37	Porpoise	Surface	94	16	20	268	3	30	22.18517	113.98155	996.27	228.30
27-Feb-18	15:28:44	Porpoise	Surface	94	16	0	267	45	40	22.18513	113.98157	997.57	228.00
27-Feb-18	15:30:28	Porpoise	Surface	94	22	10	262	59	10	22.18475	113.98230	973.92	223.23
27-Feb-18	15:30:52	Porpoise	Surface	94	24	20	262	28	10	22.18475	113.98241	965.87	222.71
27-Feb-18	15:31:11	Porpoise	Surface	94	28	20	262	7	30	22.18481	113.98255	951.38	222.37
28-Feb-18	9:44:30	Zero	Stationary	130	12	50	0	0	0	22.19175	113.98823	88.24	320.24
28-Feb-18	9:48:12	Porpoise	Surface	98	55	0	228	56	30	22.18691	113.98804	475.67	189.18
28-Feb-18	9:48:19	Porpoise	Surface	98	58	30	226	53	0	22.18692	113.98821	472.53	187.12
28-Feb-18	9:49:24	Porpoise	Surface	98	12	40	228	35	20	22.18654	113.98801	517.22	188.83
28-Feb-18	9:52:13	Porpoise	Surface	97	44	40	219	38	30	22.18620	113.98879	548.85	179.88
28-Feb-18	9:52:18	Porpoise	Surface	97	38	40	219	49	30	22.18613	113.98877	556.12	180.07
28-Feb-18	9:52:23	Porpoise	Surface	97	33	40	219	58	10	22.18608	113.98876	562.33	180.21
28-Feb-18	9:52:37	Porpoise	Surface	97	16	30	220	3	50	22.18588	113.98875	584.72	180.30
28-Feb-18	9:52:41	Porpoise	Surface	97	16	30	219	45	50	22.18588	113.98878	584.72	180.00
28-Feb-18	9:53:10	Porpoise	Surface	97	18	30	215	58	30	22.18591	113.98915	582.02	176.22
28-Feb-18	9:55:42	Porpoise	Surface	98	18	20	208	39	20	22.18662	113.98973	511.31	168.90
28-Feb-18	9:55:51	Porpoise	Surface	98	18	20	206	58	20	22.18665	113.98988	511.31	167.21
28-Feb-18	9:55:58	Porpoise	Surface	98	11	40	206	14	40	22.18660	113.98996	518.34	166.48
28-Feb-18	9:56:05	Porpoise	Surface	98	7	30	205	13	20	22.18658	113.99005	522.84	165.46
28-Feb-18	10:10:19	Speedboat	Travelling	96	39	10	321	9	30	22.19228	113.98268	640.21	281.40
28-Feb-18	10:12:03	Speedboat	Travelling	98	25	0	308	31	20	22.19104	113.98387	504.59	268.76
28-Feb-18	10:19:23	Fishing boat	Travelling	95	28	50	225	8	30	22.18416	113.98807	778.55	185.38
28-Feb-18	10:19:41	Speedboat	Stationary	98	39	0	305	2	10	22.19078	113.98402	490.84	265.28
28-Feb-18	10:21:23	Fishing boat	Travelling	93	43	30	247	46	10	22.18202	113.98354	1148.25	208.01
28-Feb-18	10:23:37	Fishing boat	Travelling	92	36	30	259	55	30	22.17984	113.97848	1643.46	220.17
28-Feb-18	10:28:11	Porpoise	Surface	104	13	20	265	40	0	22.18929	113.98672	294.61	225.91
28-Feb-18	10:28:39	Porpoise	Surface	104	0	20	270	59	10	22.18945	113.98651	299.36	231.23
28-Feb-18	10:28:52	Porpoise	Surface	104	2	30	273	22	20	22.18954	113.98644	298.56	233.61
28-Feb-18	10:29:22	Porpoise	Surface	104	10	50	278	40	0	22.18977	113.98632	295.52	238.91
28-Feb-18	10:29:32	Porpoise	Surface	104	2	20	280	43	20	22.18983	113.98624	298.63	240.96
28-Feb-18	10:29:40	Porpoise	Surface	104	2	40	282	1	20	22.18989	113.98621	298.50	242.26
28-Feb-18	10:30:40	Porpoise	Surface	102	53	30	294	4	40	22.19035	113.98572	326.26	254.32
28-Feb-18	10:30:46	Porpoise	Surface	102	49	20	294	25	40	22.19036	113.98570	328.09	254.67
28-Feb-18	10:31:04	Porpoise	Surface	103	23	30	295	1	20	22.19042	113.98583	313.65	255.26
28-Feb-18	10:31:14	Porpoise	Surface	103	18	50	296	48	30	22.19050	113.98579	315.55	257.05
28-Feb-18	10:31:24	Porpoise	Surface	103	12	50	298	3	0	22.19056	113.98575	318.03	258.29
28-Feb-18	10:31:34	Porpoise	Surface	102	47	40	296	24	30	22.19046	113.98567	328.83	256.65
28-Feb-18	10:31:47	Porpoise	Surface	102	29	50	293	55	20	22.19031	113.98563	336.92	254.16
28-Feb-18	10:31:57	Porpoise	Surface	102	35	20	290	46	40	22.19016	113.98570	334.38	251.02
28-Feb-18	10:32:08	Porpoise	Surface	102	38	30	288	17	30	22.19004	113.98577	332.94	248.53
28-Feb-18	10:32:22	Porpoise	Surface	102	36	20	284	54	10	22.18988	113.98583	333.93	245.14
28-Feb-18	10:32:46	Speedboat	Travelling	100	15	20	295	41	30	22.19024	113.98489	412.76	255.93
28-Feb-18	10:33:17	Speedboat	Travelling	101	39	40	289	1	10	22.18999	113.98549	361.85	249.26
28-Feb-18	10:33:26	Porpoise	Surface	102	25	30	266	23	30	22.18904	113.98638	338.95	226.63
28-Feb-18	10:33:56	Porpoise	Surface	102	22	20	255	29	10	22.18865	113.98685	340.44	215.73
28-Feb-18	10:34:11	Speedboat	Travelling	104	49	10	271	42	20	22.18957	113.98662	282.25	231.95
28-Feb-18	10:34:28	Porpoise	Surface	101	58	0	245	20	20	22.18828	113.98730	352.35	205.58
28-Feb-18	10:35:02	Speedboat	Travelling	107	0	50	245	44	0	22.18916	113.98774	244.04	205.97
28-Feb-18	10:36:13	Speedboat	Travelling	104	47	30	217	53	40	22.18860	113.98887	282.81	178.13
28-Feb-18	10:37:18	Speedboat	Stationary	104	15	30	217	23	10	22.18850	113.98890	293.88	177.63
28-Feb-18	10:45:14	Speedboat	Stationary	101	56	20	215	4	20	22.18797	113.98906	353.26	175.31</

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horiz Degrees	Fix Horiz Minutes	Fix Horiz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
28-Feb-18	11:04:19	Porpoise	Surface	99	25	20	307	1	20	22.19095	113.98441	450.28	267.26
28-Feb-18	11:09:12	Speedboat	Travelling	103	58	30	239	41	0	22.18860	113.98778	300.25	199.92
28-Feb-18	11:10:09	Speedboat	Travelling	100	34	0	271	23	30	22.18990	113.98573	400.59	231.63
28-Feb-18	11:11:19	Speedboat	Travelling	98	58	40	290	48	30	22.18976	113.98443	473.04	251.05
28-Feb-18	11:12:06	Speedboat	Stationary	98	13	40	291	42	10	22.18970	113.98400	516.87	251.94
28-Feb-18	11:14:18	Fishing boat	Travelling	101	28	20	230	49	30	22.18789	113.98809	368.23	191.07
28-Feb-18	11:17:21	Fishing boat	Travelling	95	59	30	300	42	0	22.19013	113.98194	712.32	260.94
28-Feb-18	11:19:00	Fishing boat	Travelling	94	19	30	319	24	10	22.19263	113.97930	989.07	279.64
28-Feb-18	11:19:50	Speedboat	Travelling	98	33	50	292	27	40	22.18981	113.98417	496.35	252.70
28-Feb-18	11:20:20	Fishing boat	Travelling	93	27	50	329	31	40	22.19490	113.97747	1236.53	289.77
28-Feb-18	11:21:04	Speedboat	Travelling	100	14	30	311	11	20	22.19123	113.98476	413.67	271.43
28-Feb-18	11:22:04	Speedboat	Stationary	100	20	50	313	36	30	22.19139	113.98481	409.36	273.85
28-Feb-18	11:26:50	Government Boat	Travelling	92	34	40	295	53	40	22.18755	113.97307	1664.84	256.13
28-Feb-18	11:28:59	Speedboat	Travelling	99	42	40	316	47	0	22.19162	113.98456	436.81	277.02
28-Feb-18	11:29:31	Government Boat	Travelling	94	23	20	278	29	40	22.18659	113.98068	974.76	238.73
28-Feb-18	11:29:42	Speedboat	Travelling	97	3	0	323	56	10	22.19247	113.98308	604.57	284.18
28-Feb-18	11:31:55	Government Boat	Travelling	96	55	0	228	49	20	22.18566	113.98763	616.38	189.06
28-Feb-18	11:32:44	Government Boat	Travelling	97	2	50	205	11	30	22.18587	113.99026	604.84	165.43
28-Feb-18	11:36:25	Porpoise	Surface	104	29	30	268	8	20	22.18941	113.98668	288.23	228.38
28-Feb-18	11:36:42	Porpoise	Surface	104	21	50	261	10	10	22.18917	113.98690	291.91	221.41
28-Feb-18	11:38:15	Porpoise	Surface	102	2	40	234	20	50	22.18809	113.98792	350.38	194.59
28-Feb-18	11:38:26	Porpoise	Surface	101	57	40	231	14	0	22.18803	113.98810	352.89	191.47
28-Feb-18	11:38:35	Porpoise	Surface	101	51	0	228	26	50	22.18797	113.98825	356.30	188.69
28-Feb-18	11:38:42	Porpoise	Surface	101	51	0	226	50	0	22.18796	113.98835	356.30	187.07
28-Feb-18	11:39:43	Porpoise	Surface	109	56	30	279	48	0	22.19021	113.98704	206.04	240.04
28-Feb-18	11:39:52	Porpoise	Surface	109	44	0	277	4	30	22.19013	113.98707	208.40	237.32
28-Feb-18	11:39:59	Porpoise	Surface	109	49	0	274	24	30	22.19006	113.98713	207.45	234.65
28-Feb-18	11:40:20	Porpoise	Surface	110	18	40	273	13	20	22.19006	113.98720	201.97	233.46
28-Feb-18	11:40:32	Porpoise	Surface	112	10	50	274	20	30	22.19018	113.98733	183.36	234.58
28-Feb-18	11:40:39	Porpoise	Surface	111	18	10	272	4	20	22.19008	113.98730	191.71	232.31
28-Feb-18	11:41:20	Porpoise	Surface	110	28	10	252	21	40	22.18962	113.98773	200.27	212.60
28-Feb-18	11:41:36	Porpoise	Surface	109	50	50	253	36	20	22.18959	113.98766	207.11	213.85
28-Feb-18	11:43:42	Porpoise	Surface	106	11	10	240	19	0	22.18897	113.98790	257.56	200.56
28-Feb-18	11:45:05	Porpoise	Surface	102	53	30	230	15	40	22.18820	113.98875	326.87	180.50
28-Feb-18	11:45:27	Porpoise	Surface	101	12	10	220	14	20	22.18774	113.98875	377.52	180.48
28-Feb-18	11:46:01	Porpoise	Surface	100	5	20	215	9	30	22.18737	113.98911	420.25	175.40
28-Feb-18	11:46:33	Porpoise	Surface	99	23	50	210	58	30	22.18712	113.98945	451.82	171.22
28-Feb-18	11:47:03	Porpoise	Surface	99	33	10	210	13	50	22.18720	113.98949	444.33	170.47
28-Feb-18	11:47:24	Porpoise	Surface	99	18	30	208	7	40	22.18712	113.98967	456.22	168.37
28-Feb-18	11:52:03	Porpoise	Surface	101	36	10	225	53	10	22.18788	113.98840	364.20	186.13
28-Feb-18	11:53:08	Porpoise	Surface	100	20	40	227	2	10	22.18748	113.98827	409.69	187.28
28-Feb-18	11:56:27	Porpoise	Surface	99	15	0	220	43	20	22.18701	113.98870	459.22	180.96
28-Feb-18	11:56:31	Porpoise	Surface	99	11	30	220	36	0	22.18698	113.98871	462.19	180.84
28-Feb-18	11:56:36	Porpoise	Surface	99	5	0	220	43	30	22.18693	113.98870	467.80	180.97
28-Feb-18	11:56:44	Porpoise	Surface	98	59	30	220	58	10	22.18689	113.98868	472.65	181.21
28-Feb-18	11:56:49	Porpoise	Surface	98	55	50	220	58	10	22.18686	113.98868	475.94	181.21
28-Feb-18	11:59:20	Porpoise	Surface	97	13	50	220	33	20	22.18583	113.98870	589.60	180.80
28-Feb-18	11:59:48	Porpoise	Surface	96	47	0	222	8	0	22.18548	113.98852	628.91	182.37
28-Feb-18	11:59:55	Porpoise	Surface	96	41	50	222	37	50	22.18541	113.98847	637.08	182.87
28-Feb-18	12:00:28	Porpoise	Surface	96	15	30	222	25	40	22.18501	113.98847	682.21	182.67
28-Feb-18	12:00:33	Porpoise	Surface	96	12	0	222	45	20	22.18495	113.98843	688.68	183.00
28-Feb-18	12:01:03	Porpoise	Surface	95	37	20	222	39	20	22.18431	113.98840	780.08	182.90
28-Feb-18	12:01:08	Porpoise	Surface	95	32	0	222	17	10	22.18419	113.98845	772.38	182.53
28-Feb-18	12:02:23	Transportation boat	Travelling	96	12	20	309	59	30	22.19116	113.98209	688.15	270.23
28-Feb-18	12:09:42	Transportation boat	Travelling	98	53	0	256	21	0	22.18768	113.98601	478.62	216.59
28-Feb-18	12:10:37	Transportation boat	Travelling	98	42	50	207	5	50	22.18685	113.98982	488.09	167.34
28-Feb-18	12:14:58	Porpoise	Surface	97	31	10	255	9	40	22.18698	113.98559	566.83	215.40
28-Feb-18	12:16:04	Porpoise	Surface	97	11	30	258	45	20	22.18699	113.98515	592.99	219.00
28-Feb-18	12:16:35	Porpoise	Surface	96	57	20	260	44	10	22.18697	113.98487	613.35	220.98
28-Feb-18	12:16:42	Porpoise	Surface	96	54	40	261	6	10	22.18697	113.98481	617.34	221.34
28-Feb-18	12:16:48	Porpoise	Surface	96	54	40	261	39	30	22.18700	113.98477	617.34	221.90
28-Feb-18	12:16:55	Porpoise	Surface	96	56	30	262	10	0	22.18705	113.98475	614.60	222.41
28-Feb-18	12:17:04	Porpoise	Surface	97	0	20	262	59	0	22.18715	113.98472	608.93	223.22
28-Feb-18	12:17:17	Porpoise	Surface	97	8	20	263	53	0	22.18728	113.98474	597.44	224.12
28-Feb-18	12:17:34	Porpoise	Surface	96	56	50	265	21	30	22.18727	113.98451	614.11	225.60
28-Feb-18	12:20:11	Porpoise	Surface	97	29	20	277	56	50	22.18844	113.98408	569.23	238.19
28-Feb-18	12:20:23	Porpoise	Surface	97	35	0	278	28	30	22.18851	113.98411	562.05	238.72
28-Feb-18	12:20:30	Porpoise	Surface	97	39	20	279	2	0	22.18858	113.98413	556.68	239.27
28-Feb-18	12:20:49	Porpoise	Surface	97	29	40	280	7	40	22.18861	113.98397	568.80	240.37
28-Feb-18	12:20:57	Porpoise	Surface	97	36	50	279	56	0	22.18863	113.98406	559.77	240.17
28-Feb-18	12:21:04	Porpoise	Surface	97	36	10	279	34	0	22.18860	113.98407	560.60	239.81
28-Feb-18	12:21:51	Porpoise	Surface	97	51	10	281	25	0	22.18882	113.98414	542.54	241.66
28-Feb-18	12:22:30	Transportation Boat	Travelling	95	19	20	323	23	50	22.19284	113.98119	803.53	283.64
28-Feb-18	12:23:21	Transportation Boat	Stationary	95	16	40	324	9	10	22.19295	113.98115	810.36	284.39
28-Feb-18	12:24:03	Porpoise	Surface	97	11	20	285	26	40	22.18894	113.98352	593.30	245.68
28-Feb-18	12:24:07	Porpoise	Surface	97	16	20	284	57	50	22.18893	113.98360	586.43	245.20
28-Feb-18	12:24:13	Porpoise	Surface	97	20	30	284	41	50	22.18892	113.98366	580.82	244.94
28-Feb-18	12:24:20	Porpoise	Surface	97	26	20	284	14	10	22.18892	113.98375	573.14	244.48
28-Feb-18	12:25:50	Porpoise	Surface	98	13	50	278	42	30	22.18874	113.98447	517.33	238.95
28-Feb-18	12:26:02	Porpoise	Surface	98	21	30	278	2	40	22.18873	113.98457	509.31	238.28
28-Feb-18	12:26:07	Porpoise	Surface	98	28	0	277	38	0	22.18873	113.98464	502.70	237.87
28-Feb-18	12:28:14	Porpoise	Surface	98	34	50	277	12	50	22.18874	113.98471	495.92	237.45
28-Feb-18	12:27:34	Porpoise	Surface	98	50	20	271	22	20	22.18845	113.98511	481.21	231.61
28-Feb-18	12:27:41	Porpoise	Surface	98	59	0	270	27	0	22.18844	113.98522	473.34	230.69
28-Feb-18	12:28:39	Fishing boat	Travelling	109	26	10	277	32	30	22.19012	113.98703	212.03	237.78
28-Feb-18	12:28:57	Porpoise	Surface	100	49	10	264	13	30	22.18862	113.98611	391.53	224.47
28-Feb-18	12:29:06	Porpoise	Surface	100	48	50	265	38	30	22.18868	113.98604	391.73	225.88
28-Feb-18	12:29:22	Fishing boat	Travelling	107	2	20	226	38	0	22.18896	113.98849	244.13	186.87
28-Feb-18	12:30:04	Fishing boat	Travelling	102	41	50	204	53	0	22.18825	113.98961	332.09	165.12
28-Feb-18	12:31:21	Porpoise	Surface	100	41	0	248	32	10	22.18801	113.98692	396.65	208.78
28-Feb-18	12:31:53												

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
28-Feb-18	12:36:05	Porpoise	Surface	102	22	40	243	43	10	22.18833	113.98743	340.98	203.96
28-Feb-18	12:37:10	Porpoise	Surface	102	40	0	242	23	0	22.18837	113.98753	332.96	202.62
28-Feb-18	12:37:21	Porpoise	Surface	102	37	50	241	41	40	22.18835	113.98757	333.94	201.93
28-Feb-18	12:37:28	Porpoise	Surface	102	36	40	241	14	20	22.18834	113.98759	334.48	201.48
28-Feb-18	12:37:55	Porpoise	Surface	102	28	50	243	41	30	22.18836	113.98744	338.09	203.93
28-Feb-18	12:38:03	Porpoise	Surface	102	27	50	243	29	50	22.18835	113.98745	338.56	203.74
28-Feb-18	12:38:09	Porpoise	Surface	102	33	50	243	17	40	22.18837	113.98747	335.78	203.53
28-Feb-18	12:39:12	Porpoise	Surface	102	16	10	249	2	40	22.18844	113.98714	344.11	209.28
28-Feb-18	12:39:18	Porpoise	Surface	102	18	0	249	0	0	22.18844	113.98715	343.23	209.24
28-Feb-18	12:39:28	Porpoise	Surface	102	16	20	248	35	20	22.18843	113.98717	344.03	208.83
28-Feb-18	12:39:32	Porpoise	Surface	102	20	40	248	32	10	22.18844	113.98718	341.95	208.78
28-Feb-18	12:41:03	Porpoise	Surface	105	16	0	257	28	50	22.18919	113.98715	274.17	217.72
28-Feb-18	12:41:44	Porpoise	Surface	106	10	20	257	22	50	22.18930	113.98725	258.05	217.62
28-Feb-18	12:42:27	Porpoise	Surface	105	37	40	260	15	30	22.18931	113.98709	267.53	220.50
28-Feb-18	12:42:41	Porpoise	Surface	106	8	10	262	38	0	22.18943	113.98707	258.66	222.87
28-Feb-18	12:42:55	Porpoise	Surface	106	33	0	264	6	50	22.18952	113.98707	251.83	224.35
28-Feb-18	12:43:00	Porpoise	Surface	106	33	0	263	26	0	22.18950	113.98709	251.83	223.67
28-Feb-18	12:43:03	Porpoise	Surface	106	33	0	263	23	50	22.18950	113.98709	251.83	223.64
28-Feb-18	12:43:23	Porpoise	Surface	107	7	20	261	51	0	22.18952	113.98720	242.92	222.09
28-Feb-18	12:43:27	Porpoise	Surface	107	2	50	261	29	50	22.18950	113.98720	244.06	221.74
28-Feb-18	12:43:50	Porpoise	Surface	107	17	40	263	45	20	22.18958	113.98716	240.35	224.00
28-Feb-18	12:44:53	Porpoise	Surface	107	26	0	273	43	50	22.18988	113.98690	238.32	233.97
28-Feb-18	12:45:16	Porpoise	Surface	106	21	20	275	37	0	22.18985	113.98673	255.01	235.86
28-Feb-18	12:45:19	Porpoise	Surface	106	17	50	275	41	20	22.18985	113.98672	255.97	235.93
28-Feb-18	12:45:34	Porpoise	Surface	106	20	20	274	49	20	22.18982	113.98674	255.29	235.06
28-Feb-18	12:45:38	Porpoise	Surface	106	21	50	274	42	30	22.18982	113.98675	254.87	234.95
28-Feb-18	12:45:41	Porpoise	Surface	106	17	10	274	25	40	22.18981	113.98675	256.16	234.67
28-Feb-18	12:45:52	Porpoise	Surface	106	17	10	274	8	50	22.18980	113.98675	256.16	234.39
28-Feb-18	12:45:54	Porpoise	Surface	106	14	40	274	1	10	22.18979	113.98675	256.86	234.26
28-Feb-18	12:46:01	Porpoise	Surface	106	15	0	274	2	0	22.18979	113.98675	256.76	234.27
28-Feb-18	12:46:17	Porpoise	Surface	106	15	10	276	32	10	22.18987	113.98669	256.72	236.78
28-Feb-18	12:46:40	Porpoise	Surface	106	28	30	277	2	50	22.18991	113.98671	253.06	237.29
28-Feb-18	12:47:03	Porpoise	Surface	106	17	10	278	15	10	22.18997	113.98663	256.17	239.49
28-Feb-18	12:49:45	Porpoise	Surface	103	16	10	290	20	10	22.19019	113.98587	317.38	250.58
28-Feb-18	12:49:50	Porpoise	Surface	103	10	10	291	18	30	22.19023	113.98583	319.88	251.55
28-Feb-18	12:50:05	Porpoise	Surface	103	2	20	291	54	50	22.19025	113.98579	323.20	252.15
28-Feb-18	12:50:08	Porpoise	Surface	103	0	0	291	54	50	22.19024	113.98578	324.20	252.15
28-Feb-18	12:52:12	Porpoise	Surface	105	24	10	285	17	10	22.19013	113.98637	271.68	245.53
28-Feb-18	12:53:12	Transportation Boat	Travelling	96	13	20	315	44	50	22.19178	113.98214	686.81	275.99
28-Feb-18	12:53:43	Porpoise	Surface	105	29	40	287	13	20	22.19021	113.98635	270.00	247.46
28-Feb-18	12:54:01	Transportation Boat	Travelling	98	5	10	287	14	50	22.18932	113.98405	526.95	247.49
28-Feb-18	12:54:26	Porpoise	Surface	104	7	10	292	11	0	22.19033	113.98602	297.57	252.42
28-Feb-18	12:55:04	Transportation Boat	Travelling	100	5	30	232	50	50	22.18745	113.98785	420.61	193.09
28-Feb-18	12:55:35	Transportation Boat	Travelling	99	9	50	205	8	20	22.18710	113.98992	464.07	165.38
28-Feb-18	12:57:22	Porpoise	Surface	99	22	0	295	56	10	22.19016	113.98449	453.86	256.18
28-Feb-18	13:04:35	Speedboat	Travelling	114	8	10	265	38	50	22.19009	113.98761	167.07	225.89
28-Feb-18	13:04:45	Speedboat	Travelling	114	28	20	285	54	50	22.19054	113.98732	164.48	246.15
28-Feb-18	13:04:57	Speedboat	Travelling	114	59	10	297	0	40	22.19082	113.98726	160.64	257.25
28-Feb-18	13:06:25	Speedboat	Stationary	103	34	10	315	0	10	22.19139	113.98578	310.20	275.24
28-Feb-18	13:18:10	Speedboat	Travelling	96	11	40	265	21	40	22.18979	113.98399	690.20	225.60
28-Feb-18	13:18:43	Speedboat	Travelling	100	42	30	265	5	30	22.18963	113.98604	386.02	225.33
28-Feb-18	13:19:01	Speedboat	Travelling	102	19	10	236	24	0	22.18818	113.98782	342.89	196.64
28-Feb-18	13:19:41	Porpoise	Surface	105	49	50	278	0	40	22.18989	113.98660	264.09	238.25
28-Feb-18	13:20:02	Porpoise	Surface	105	14	40	280	36	20	22.18993	113.98645	274.77	240.85
28-Feb-18	13:20:49	Porpoise	Surface	105	50	40	281	37	0	22.19002	113.98652	263.85	241.86
28-Feb-18	13:21:02	Porpoise	Surface	106	6	0	283	1	0	22.19009	113.98653	259.44	243.26
28-Feb-18	13:21:48	Porpoise	Surface	107	2	50	284	55	20	22.19022	113.98662	244.21	245.16
28-Feb-18	13:22:44	Porpoise	Surface	107	30	40	272	27	0	22.18984	113.98694	237.34	232.69
28-Feb-18	13:23:33	Porpoise	Surface	108	24	0	262	27	30	22.18965	113.98729	225.11	222.70
28-Feb-18	13:23:43	Porpoise	Surface	108	18	40	259	42	0	22.18958	113.98737	226.29	219.94
28-Feb-18	13:23:48	Porpoise	Surface	108	6	50	258	4	0	22.18952	113.98740	228.93	218.31
28-Feb-18	13:27:01	Porpoise	Surface	101	16	30	229	29	50	22.18781	113.98816	375.68	189.74
28-Feb-18	13:39:45	Container Boat	Travelling	94	32	20	238	44	20	22.18311	113.98579	943.99	198.98
28-Feb-18	13:42:12	Container Boat	Travelling	93	51	50	266	10	50	22.18425	113.98096	1109.83	226.42
28-Feb-18	13:45:42	Container Boat	Travelling	92	39	10	288	33	30	22.18587	113.97410	1619.95	248.80
28-Feb-18	14:05:44	Research vessel	Stationary	96	22	40	318	26	40	22.18183	113.98380	507.98	278.68
28-Feb-18	14:08:14	Research vessel	Travelling	101	40	50	308	36	50	22.19107	113.98526	361.78	268.85
28-Feb-18	14:09:00	Fishing boat	Travelling	92	9	10	248	44	0	22.17541	113.97937	1997.68	208.97
28-Feb-18	14:12:23	Research vessel	Stationary	110	12	10	259	14	20	22.18973	113.98752	203.20	219.48
28-Feb-18	14:12:40	Speedboat	Travelling	102	6	40	265	57	0	22.18897	113.98633	348.49	226.19
28-Feb-18	14:13:14	Speedboat	Travelling	105	3	30	233	17	30	22.18871	113.98815	277.93	193.53
28-Feb-18	14:13:43	Speedboat	Travelling	104	22	50	215	53	0	22.18852	113.98897	291.63	176.12
28-Feb-18	14:14:10	Research vessel	Travelling	107	38	50	229	2	10	22.18905	113.98841	235.03	189.28
28-Feb-18	14:17:09	Speedboat	Travelling	106	38	20	287	30	20	22.19029	113.98653	250.16	247.75
28-Feb-18	14:17:58	Speedboat	Travelling	102	24	20	306	13	50	22.19095	113.98548	339.89	266.47
28-Feb-18	14:18:23	Speedboat	Travelling	100	58	50	312	40	40	22.19132	113.98504	385.33	272.92
28-Feb-18	14:18:49	Speedboat	Travelling	100	44	40	316	1	10	22.19153	113.98497	394.00	276.26
28-Feb-18	14:20:16	Research vessel	Stationary	107	25	0	233	31	30	22.18906	113.98823	238.29	193.77
28-Feb-18	14:23:39	Government Boat	Travelling	92	37	0	239	47	20	22.17727	113.98332	1639.96	200.03
28-Feb-18	14:25:00	Government Boat	Travelling	92	7	20	263	8	40	22.17789	113.97526	2025.41	223.38
28-Feb-18	14:25:40	Research vessel	Stationary	109	39	20	254	41	50	22.18960	113.98761	209.24	214.94
28-Feb-18	14:27:32	Government Boat	Travelling	91	18	40	280	14	40	22.17650	113.96885	3302.34	240.48
28-Feb-18	14:31:51	Research vessel	Stationary	107	46	40	278	55	30	22.19006	113.98683	233.03	239.17
28-Feb-18	14:50:31	Speedboat	Stationary	117	36	0	281	44	30	22.19054	113.98755	142.81	241.98
28-Feb-18	14:51:15	Stationary	Stationary	109	2	20	248	28	0	22.18943	113.98777	216.35	208.71
28-Feb-18	14:59:28	Speedboat	Travelling	109	5	10	272	12	40	22.18996	113.98712	215.70	232.45
28-Feb-18	15:00:07	Speedboat	Travelling	100	14	50	303	58	10	22.19076	113.98479	412.88	264.21
28-Feb-18	15:00:57	Speedboat	Travelling	97	19	10	320	29	0	22.19211	113.98323	581.18	280.72
28-Feb-18	15:01:29	Speedboat	Stationary	97	3	50	321	14	20	22.19222	113.98304	602.44	281.47
28-Feb-18	15:01:54	Speedboat	Stationary	117	20	50	277	18	30	22.19044			

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
28-Feb-18	15:40:26	Container Boat	Travelling	93	32	10	211	55	40	22.18037	113.99038	1207.55	172.17
28-Feb-18	15:41:04	Container Boat	Travelling	93	37	50	204	39	10	22.18092	113.99176	1175.94	164.89
1-Mar-18	9:50:00	Zero	Stationary	100	32	30	0	0	0	22.19391	113.98629	400.44	320.24
1-Mar-18	10:06:55	Zero	Stationary	107	29	20	0	0	0	22.19277	113.98731	236.37	320.24
1-Mar-18	10:22:44	Fishing boat	Travelling	101	26	10	308	0	10	22.19104	113.98520	368.38	268.24
1-Mar-18	10:23:57	Fishing boat	Travelling	106	42	0	275	55	40	22.18989	113.98677	248.38	236.17
1-Mar-18	10:25:19	Fishing boat	Travelling	104	26	10	224	2	30	22.18854	113.98857	289.49	184.28
1-Mar-18	10:31:44	Porpoise	Surface	95	37	0	267	0	20	22.18651	113.98337	758.31	227.25
1-Mar-18	10:31:48	Porpoise	Surface	95	34	50	267	6	0	22.18648	113.98332	763.25	227.34
1-Mar-18	10:32:03	Porpoise	Surface	95	35	0	266	59	0	22.18648	113.98334	762.88	227.22
1-Mar-18	10:32:07	Porpoise	Surface	95	36	50	266	53	40	22.18649	113.98337	758.69	227.13
1-Mar-18	10:32:17	Porpoise	Surface	95	37	40	266	45	20	22.18649	113.98340	756.81	227.00
1-Mar-18	10:33:33	Porpoise	Surface	95	31	20	268	15	20	22.18654	113.98316	771.42	228.50
1-Mar-18	10:33:37	Porpoise	Surface	95	30	20	268	1	30	22.18650	113.98317	773.77	228.27
1-Mar-18	10:34:02	Speedboat	Travelling	96	54	20	258	11	20	22.18680	113.98506	615.67	218.43
1-Mar-18	10:34:32	Speedboat	Travelling	94	29	20	270	33	40	22.18573	113.98162	950.33	230.80
1-Mar-18	12:24:57	Porpoise	Surface	95	0	0	314	33	0	22.19179	113.98049	855.52	274.79
1-Mar-18	12:25:06	Porpoise	Surface	95	12	10	314	27	30	22.19174	113.98082	821.95	274.70
1-Mar-18	12:25:21	Porpoise	Surface	95	16	20	314	5	40	22.19169	113.98092	811.06	274.33
1-Mar-18	12:25:33	Porpoise	Surface	95	9	20	314	14	50	22.19172	113.98074	829.55	274.49
1-Mar-18	12:26:26	Porpoise	Surface	95	12	10	316	37	20	22.19202	113.98085	821.99	276.86
1-Mar-18	12:26:32	Porpoise	Surface	95	17	40	317	19	30	22.19210	113.98100	807.66	277.57
1-Mar-18	12:26:36	Porpoise	Surface	95	19	0	317	25	40	22.19210	113.98103	804.26	277.67
1-Mar-18	12:27:01	Porpoise	Surface	95	38	0	317	18	30	22.19204	113.98147	758.74	277.55
1-Mar-18	12:27:24	Porpoise	Surface	95	36	20	317	33	10	22.19207	113.98144	762.53	277.79
1-Mar-18	12:27:35	Porpoise	Surface	95	42	0	317	14	30	22.19202	113.98155	749.81	277.48
1-Mar-18	12:27:45	Porpoise	Surface	95	26	50	317	22	40	22.19208	113.98122	784.87	277.62
1-Mar-18	12:28:35	Porpoise	Surface	96	11	10	318	13	50	22.19205	113.98214	690.44	278.47
1-Mar-18	12:29:55	Porpoise	Surface	96	2	10	319	18	20	22.19220	113.98199	707.77	279.55
1-Mar-18	12:31:27	Porpoise	Surface	96	17	20	320	48	30	22.19231	113.98230	679.11	281.05
1-Mar-18	12:34:18	Porpoise	Surface	95	8	30	323	51	50	22.19296	113.98093	832.03	284.10
1-Mar-18	12:34:49	Porpoise	Surface	95	0	30	324	39	20	22.19312	113.98075	854.34	284.90
1-Mar-18	12:35:56	Porpoise	Surface	94	3	0	328	55	10	22.19426	113.97906	1057.93	289.16
1-Mar-18	12:37:03	Porpoise	Surface	94	3	0	329	20	30	22.19433	113.97909	1057.94	289.58
1-Mar-18	12:37:19	Porpoise	Surface	94	5	0	329	26	0	22.19432	113.97917	1049.26	289.67
1-Mar-18	12:37:41	Porpoise	Surface	94	5	10	329	22	0	22.19431	113.97918	1048.56	289.61
1-Mar-18	12:37:50	Porpoise	Surface	94	4	50	329	15	20	22.19429	113.97916	1050.00	289.50
1-Mar-18	12:37:57	Porpoise	Surface	94	5	0	328	55	30	22.19424	113.97914	1049.28	289.17
1-Mar-18	12:38:15	Porpoise	Surface	94	4	40	327	55	10	22.19409	113.97907	1050.73	288.16
1-Mar-18	12:38:22	Porpoise	Surface	94	4	40	327	26	0	22.19401	113.97905	1050.73	287.67
1-Mar-18	12:38:31	Porpoise	Surface	94	6	40	327	18	30	22.19397	113.97912	1042.17	287.55
1-Mar-18	12:38:51	Porpoise	Surface	93	52	0	326	50	40	22.19407	113.97848	1108.45	287.08
1-Mar-18	12:40:00	Porpoise	Surface	93	44	30	325	37	40	22.19396	113.97807	1145.73	285.87
1-Mar-18	12:40:18	Porpoise	Surface	93	39	40	325	26	0	22.19399	113.97782	1171.10	285.67
1-Mar-18	12:40:34	Porpoise	Surface	93	35	0	325	14	0	22.19401	113.97757	1196.67	285.47
1-Mar-18	12:40:42	Porpoise	Surface	93	31	30	325	25	30	22.19409	113.97739	1216.59	285.67
1-Mar-18	12:41:44	Porpoise	Surface	93	19	30	325	37	50	22.19431	113.97672	1290.24	285.87
1-Mar-18	12:41:52	Porpoise	Surface	93	15	40	325	34	20	22.19436	113.97647	1315.67	285.81
1-Mar-18	12:42:09	Porpoise	Surface	93	16	10	325	7	40	22.19427	113.97648	1312.31	285.37
1-Mar-18	12:42:13	Porpoise	Surface	93	16	40	324	52	40	22.19421	113.97650	1308.98	285.12
1-Mar-18	12:42:28	Porpoise	Surface	93	16	0	324	16	20	22.19410	113.97642	1313.44	284.51
1-Mar-18	12:43:09	Porpoise	Surface	93	33	0	323	26	40	22.19371	113.97737	1208.07	283.68
1-Mar-18	12:43:40	Porpoise	Surface	93	11	30	323	7	10	22.19393	113.97606	1344.54	283.36
1-Mar-18	12:44:06	Porpoise	Surface	93	9	40	322	4	0	22.19374	113.97589	1357.63	282.31
1-Mar-18	12:44:26	Porpoise	Surface	93	20	20	321	42	50	22.19353	113.97656	1284.95	281.95
1-Mar-18	12:44:40	Porpoise	Surface	93	17	40	321	26	0	22.19351	113.97638	1302.39	281.67
1-Mar-18	12:45:27	Porpoise	Surface	93	19	20	322	42	10	22.19374	113.97654	1291.47	282.94
1-Mar-18	12:45:42	Porpoise	Surface	93	22	10	323	18	40	22.19382	113.97675	1273.28	283.55
1-Mar-18	12:45:48	Porpoise	Surface	93	22	0	323	12	0	22.19380	113.97673	1274.34	283.44
1-Mar-18	12:46:04	Porpoise	Surface	93	22	0	323	20	10	22.19383	113.97674	1274.35	283.58
1-Mar-18	12:46:19	Porpoise	Surface	93	24	40	323	20	20	22.19380	113.97690	1257.66	283.58
1-Mar-18	12:46:25	Porpoise	Surface	93	26	20	322	52	30	22.19369	113.97697	1247.45	283.12
1-Mar-18	12:46:30	Porpoise	Surface	93	25	0	322	48	20	22.19369	113.97689	1255.61	283.05
1-Mar-18	12:46:37	Porpoise	Surface	93	24	20	322	33	10	22.19365	113.97684	1259.74	282.79
1-Mar-18	12:47:31	Porpoise	Surface	93	34	30	322	16	50	22.19348	113.97739	1198.73	282.52
1-Mar-18	12:47:55	Porpoise	Surface	93	31	0	322	6	0	22.19348	113.97720	1219.76	282.34
1-Mar-18	12:48:36	Porpoise	Surface	93	40	40	322	22	10	22.19343	113.97772	1166.06	282.61
1-Mar-18	12:50:53	Porpoise	Surface	93	24	0	322	37	10	22.19367	113.97682	1261.97	282.86
1-Mar-18	12:50:58	Porpoise	Surface	93	22	50	322	27	40	22.19365	113.97674	1269.28	282.70
1-Mar-18	12:51:04	Porpoise	Surface	93	23	20	322	13	10	22.19360	113.97676	1266.14	282.46
1-Mar-18	12:52:03	Porpoise	Surface	93	22	0	321	48	10	22.19353	113.97666	1274.59	282.04
1-Mar-18	12:52:11	Porpoise	Surface	93	21	50	321	58	10	22.19357	113.97666	1275.65	282.21
1-Mar-18	12:52:17	Porpoise	Surface	93	22	10	322	9	40	22.19360	113.97669	1273.54	282.40
1-Mar-18	12:53:40	Porpoise	Surface	93	27	50	322	12	20	22.19354	113.97702	1238.67	282.45
1-Mar-18	12:53:47	Porpoise	Surface	93	26	10	322	16	0	22.19357	113.97693	1248.75	282.51
1-Mar-18	12:53:54	Porpoise	Surface	93	25	30	322	22	40	22.19360	113.97690	1252.83	282.62
1-Mar-18	12:54:43	Porpoise	Surface	93	30	0	321	45	20	22.19343	113.97712	1225.86	282.00
1-Mar-18	12:55:16	Porpoise	Surface	93	29	40	321	57	50	22.19347	113.97711	1227.84	282.20
1-Mar-18	12:58:09	Porpoise	Surface	93	11	50	321	24	50	22.19358	113.97600	1342.79	281.65
1-Mar-18	12:58:18	Porpoise	Surface	93	10	50	321	47	10	22.19367	113.97595	1349.87	282.03
1-Mar-18	12:59:35	Porpoise	Surface	93	11	0	322	17	20	22.19377	113.97598	1348.74	282.53
1-Mar-18	12:59:39	Porpoise	Surface	93	11	10	322	25	0	22.19380	113.97600	1347.56	282.66
1-Mar-18	13:00:24	Porpoise	Surface	93	14	10	322	47	30	22.19383	113.97622	1326.65	283.03
1-Mar-18	13:00:31	Porpoise	Surface	93	14	0	322	57	10	22.19387	113.97621	1327.80	283.19
1-Mar-18	13:00:48	Porpoise	Surface	93	11	10	323	0	20	22.19392	113.97603	1347.61	283.25
1-Mar-18	13:01:01	Porpoise	Surface	93	8	50	322	54	10	22.19393	113.97586	1364.37	283.14
1-Mar-18	13:01:19	Porpoise	Surface	93	2	50	322	8	20	22.19386	113.97540	1409.43	282.38
1-Mar-18	13:01:42	Porpoise	Surface	93	5	0	321	12	20	22.19363	113.97551	1392.84	281.45
1-Mar-18	13:02:49	Porpoise	Surface	93	13	10	322	53	50	22.19387	113.97615	1333.66	283.14
1-Mar-18	13:03:06	Porpoise	Surface	93	9	40	323	7	0	22.19396	113.97593	1358.43	283.36
1-Mar-18	13:03:11	Porpoise	Surface	93	8	20	322	58	50	22.19395	113.97583	1368.10	

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
1-Mar-18	13:05:46	Porpoise	Surface	93	5	0	318	29	40	22.19304	113.97540	1393.01	278.73
1-Mar-18	13:09:14	Porpoise	Surface	95	23	50	274	50	20	22.18705	113.98245	793.70	235.08
1-Mar-18	13:09:31	Porpoise	Surface	95	29	10	274	45	40	22.18711	113.98255	780.75	235.00
1-Mar-18	13:29:36	Porpoise	Surface	95	28	20	274	44	50	22.18710	113.98255	782.75	234.99
1-Mar-18	13:29:45	Porpoise	Surface	95	28	50	274	49	40	22.18711	113.98255	781.55	235.07
1-Mar-18	13:29:54	Porpoise	Surface	95	25	40	275	0	0	22.18709	113.98248	789.21	235.24
1-Mar-18	13:30:29	Porpoise	Surface	95	30	0	274	40	10	22.18711	113.98258	778.79	234.91
1-Mar-18	13:30:46	Porpoise	Surface	95	31	50	273	41	10	22.18703	113.98269	774.46	233.93
1-Mar-18	13:37:38	Porpoise	Surface	99	36	0	258	41	40	22.18804	113.98607	443.27	218.93
1-Mar-18	13:39:24	Porpoise	Surface	98	41	40	245	25	0	22.18716	113.98671	490.32	205.66
1-Mar-18	13:43:18	Porpoise	Surface	93	58	30	245	6	0	22.18235	113.98428	1080.21	205.34
1-Mar-18	13:43:28	Porpoise	Surface	93	53	40	245	6	0	22.18217	113.98419	1102.69	205.34
1-Mar-18	13:44:08	Porpoise	Surface	93	36	0	245	41	20	22.18148	113.98371	1193.43	205.93
1-Mar-18	13:44:53	Porpoise	Surface	93	35	10	248	29	10	22.18168	113.98318	1198.11	208.73
1-Mar-18	13:50:19	Porpoise	Surface	104	59	20	300	6	20	22.19072	113.98609	280.09	260.35
1-Mar-18	13:50:27	Porpoise	Surface	105	5	0	299	40	0	22.19070	113.98612	278.26	259.91
1-Mar-18	13:50:51	Porpoise	Surface	105	6	40	298	45	30	22.19071	113.98613	277.09	260.00
1-Mar-18	13:51:03	Porpoise	Surface	105	2	0	299	47	20	22.19070	113.98610	279.23	260.03
1-Mar-18	13:51:12	Porpoise	Surface	105	3	40	299	43	0	22.19070	113.98611	278.70	259.96
1-Mar-18	13:51:35	Porpoise	Surface	105	41	50	297	57	50	22.19065	113.98624	266.85	258.20
1-Mar-18	13:51:44	Porpoise	Surface	106	28	10	298	48	10	22.19070	113.98636	263.68	259.04
1-Mar-18	13:51:48	Porpoise	Surface	106	33	10	298	48	10	22.19071	113.98637	262.33	259.04
1-Mar-18	13:52:01	Porpoise	Surface	106	33	40	296	56	30	22.19064	113.98639	252.19	257.18
1-Mar-18	13:52:25	Porpoise	Surface	105	28	20	293	21	40	22.19045	113.98625	270.94	253.60
1-Mar-18	13:52:30	Porpoise	Surface	105	10	10	293	21	40	22.19044	113.98620	276.62	253.60
1-Mar-18	13:54:54	Porpoise	Surface	101	30	30	299	46	30	22.19056	113.98625	368.40	260.02
1-Mar-18	13:55:02	Porpoise	Surface	101	18	20	300	48	0	22.19061	113.98518	375.19	261.04
1-Mar-18	13:57:02	Porpoise	Surface	101	41	30	302	35	50	22.19073	113.98528	362.49	262.84
1-Mar-18	13:57:16	Porpoise	Surface	101	52	0	301	8	50	22.19066	113.98535	356.99	261.39
1-Mar-18	13:57:34	Porpoise	Surface	101	57	40	301	0	20	22.19065	113.98538	354.09	261.25
1-Mar-18	13:58:08	Porpoise	Surface	101	24	0	302	55	20	22.19074	113.98519	372.04	263.16
1-Mar-18	13:58:16	Porpoise	Surface	101	8	40	303	22	50	22.19076	113.98510	380.80	263.62
1-Mar-18	13:58:22	Porpoise	Surface	100	57	30	303	10	50	22.19074	113.98504	387.43	263.42
1-Mar-18	13:58:50	Porpoise	Surface	100	20	50	302	51	10	22.19069	113.98481	410.88	263.09
1-Mar-18	14:08:26	Porpoise	Surface	96	39	50	323	52	0	22.19255	113.98272	642.46	284.11
1-Mar-18	14:08:49	Porpoise	Surface	96	42	40	322	50	40	22.19244	113.98274	637.90	283.08
1-Mar-18	14:09:25	Porpoise	Surface	96	23	0	322	56	20	22.19252	113.98243	670.99	283.18
1-Mar-18	14:09:30	Porpoise	Surface	96	20	30	322	56	0	22.19252	113.98239	675.44	283.17
1-Mar-18	14:09:51	Porpoise	Surface	96	10	10	323	39	30	22.19264	113.98223	694.48	283.90
1-Mar-18	14:10:05	Porpoise	Surface	96	3	30	324	4	20	22.19271	113.98212	707.33	284.31
1-Mar-18	14:10:17	Porpoise	Surface	95	58	20	324	31	40	22.19278	113.98203	717.62	284.77
1-Mar-18	14:10:29	Porpoise	Surface	95	56	10	325	18	40	22.19288	113.98202	722.02	285.55
1-Mar-18	14:10:58	Porpoise	Surface	95	45	20	327	16	10	22.19316	113.98187	744.87	287.51
1-Mar-18	14:23:56	Porpoise	Surface	96	38	20	274	35	10	22.18779	113.98365	645.21	234.83
1-Mar-18	14:24:02	Porpoise	Surface	96	40	0	275	3	40	22.18785	113.98364	642.49	235.30
1-Mar-18	14:24:07	Porpoise	Surface	96	38	50	275	30	20	22.18787	113.98360	644.39	235.75
1-Mar-18	14:24:14	Porpoise	Surface	96	39	10	275	58	40	22.18792	113.98358	643.85	236.22
1-Mar-18	14:25:35	Porpoise	Surface	96	41	40	280	30	50	22.18833	113.98335	639.83	240.75
1-Mar-18	14:25:44	Porpoise	Surface	96	41	20	281	3	20	22.18837	113.98332	640.37	241.30
1-Mar-18	14:25:49	Porpoise	Surface	96	42	0	281	25	10	22.18841	113.98331	639.30	241.66
1-Mar-18	14:26:57	Porpoise	Surface	96	19	40	282	45	40	22.18837	113.98291	677.30	243.00
1-Mar-18	14:27:01	Porpoise	Surface	96	21	10	283	8	40	22.18842	113.98292	674.61	243.38
1-Mar-18	14:33:42	Porpoise	Surface	95	40	0	321	7	30	22.19248	113.98157	756.78	281.37
1-Mar-18	14:34:04	Porpoise	Surface	95	49	50	322	2	0	22.19255	113.98179	735.33	282.27
1-Mar-18	14:34:12	Porpoise	Surface	95	49	40	322	38	0	22.19261	113.98181	735.68	282.87
1-Mar-18	14:34:22	Porpoise	Surface	95	48	10	323	13	0	22.19269	113.98179	738.87	283.46
1-Mar-18	14:34:38	Porpoise	Surface	95	44	40	323	50	50	22.19277	113.98174	746.42	284.09
1-Mar-18	14:35:23	Porpoise	Surface	95	47	10	322	11	20	22.19257	113.98174	740.98	282.43
1-Mar-18	14:35:41	Porpoise	Surface	95	49	40	320	29	20	22.19237	113.98175	735.63	280.73
1-Mar-18	14:36:09	Porpoise	Surface	95	59	20	317	52	10	22.19205	113.98189	715.66	278.11
1-Mar-18	14:38:12	Porpoise	Surface	102	39	20	252	19	50	22.18860	113.98703	334.19	212.57
1-Mar-18	14:38:14	Porpoise	Surface	102	38	0	252	20	20	22.18860	113.98703	334.79	212.58
1-Mar-18	14:38:31	Porpoise	Surface	102	36	30	252	0	10	22.18859	113.98704	335.48	212.24
1-Mar-18	14:38:42	Porpoise	Surface	102	39	50	252	26	0	22.18861	113.98703	333.95	212.67
1-Mar-18	14:39:04	Porpoise	Surface	102	45	20	253	21	20	22.18865	113.98700	331.47	213.60
1-Mar-18	14:39:21	Porpoise	Surface	103	21	20	254	2	50	22.18879	113.98705	316.05	214.29
1-Mar-18	14:39:27	Porpoise	Surface	103	23	30	253	51	50	22.18879	113.98706	315.17	214.10
1-Mar-18	14:39:53	Porpoise	Surface	104	5	0	254	17	20	22.18892	113.98713	299.08	214.53
1-Mar-18	14:40:16	Porpoise	Surface	104	38	50	258	36	30	22.18913	113.98703	287.08	218.85
1-Mar-18	14:40:26	Porpoise	Surface	104	53	10	260	46	50	22.18922	113.98698	282.26	221.02
1-Mar-18	14:40:31	Porpoise	Surface	104	57	50	261	38	20	22.18926	113.98696	280.72	221.88
1-Mar-18	14:40:38	Porpoise	Surface	104	50	40	262	56	0	22.18928	113.98690	283.08	223.17
1-Mar-18	14:41:36	Porpoise	Surface	103	10	50	265	15	10	22.18912	113.98656	320.37	225.49
1-Mar-18	14:42:12	Porpoise	Surface	102	42	40	265	15	10	22.18904	113.98647	332.62	225.49
1-Mar-18	14:43:56	Porpoise	Surface	106	7	20	266	13	20	22.18953	113.98695	259.52	226.46
1-Mar-18	14:44:09	Porpoise	Surface	106	5	0	269	6	20	22.18961	113.98686	260.18	229.35
1-Mar-18	14:45:06	Porpoise	Surface	106	34	40	275	22	20	22.18986	113.98676	251.98	235.61
1-Mar-18	14:45:31	Porpoise	Surface	106	51	40	284	38	0	22.19019	113.98660	247.49	244.87
1-Mar-18	14:45:54	Porpoise	Surface	107	36	30	295	46	20	22.19062	113.98655	236.34	256.01
1-Mar-18	14:46:09	Porpoise	Surface	106	46	50	299	8	50	22.19073	113.98640	248.74	259.39
1-Mar-18	14:46:24	Porpoise	Surface	106	58	30	301	33	20	22.19082	113.98641	245.72	261.80
1-Mar-18	14:46:51	Porpoise	Surface	104	38	10	304	2	0	22.19088	113.98600	287.22	264.27
1-Mar-18	14:47:22	Porpoise	Surface	104	35	10	295	14	10	22.19049	113.98607	288.24	255.48
1-Mar-18	14:47:27	Porpoise	Surface	104	23	20	294	24	0	22.19044	113.98604	292.36	254.64
1-Mar-18	14:48:15	Porpoise	Surface	103	6	30	294	17	10	22.19037	113.98576	322.10	254.53
1-Mar-18	14:48:27	Porpoise	Surface	103	41	30	295	42	30	22.19047	113.98588	307.87	255.95
1-Mar-18	14:48:36	Porpoise	Surface	104	12	0	296	22	30	22.19052	113.98598	296.40	256.62
1-Mar-18	14:49:14	Porpoise	Surface	102	58	10	298	9	0	22.19055	113.98568	325.66	258.39
1-Mar-18	14:49:48	Porpoise	Surface	101	29	0	298	24	10	22.19048	113.98526	369.19	258.64
1-Mar-18	14:50:02	Porpoise	Surface	101	21	50	298	55	0	22.19051	113.98522	373.17	259.16
1-Mar-18	14:50:10	Porpoise	Surface	101	17	0	299	17	20	22.19052	113.98519	375.91	

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
1-Mar-18	14:57:13	Porpoise	Surface	97	56	10	303	1	10	22.19057	113.98359	537.91	263.26
1-Mar-18	14:57:40	Porpoise	Surface	98	20	10	303	30	10	22.19064	113.98363	511.73	263.74
1-Mar-18	14:57:47	Porpoise	Surface	98	23	50	304	15	30	22.19070	113.98388	507.95	264.50
1-Mar-18	14:57:53	Porpoise	Surface	98	26	0	304	58	30	22.19076	113.98388	505.74	265.22
1-Mar-18	14:58:27	Porpoise	Surface	98	31	30	304	52	0	22.19075	113.98393	500.21	265.11
1-Mar-18	14:58:36	Porpoise	Surface	98	32	10	304	18	20	22.19071	113.98394	499.54	264.55
1-Mar-18	15:01:33	Porpoise	Surface	96	7	40	310	23	0	22.19121	113.98199	698.47	270.62
1-Mar-18	15:01:52	Porpoise	Surface	96	8	40	311	58	40	22.19138	113.98201	696.55	272.22
1-Mar-18	15:02:19	Porpoise	Surface	96	3	20	314	42	20	22.19169	113.98193	706.84	274.95
1-Mar-18	15:02:27	Porpoise	Surface	96	6	20	315	2	10	22.19172	113.98199	701.00	275.28
1-Mar-18	15:02:47	Porpoise	Surface	96	6	0	315	40	50	22.19179	113.98199	701.63	275.92
1-Mar-18	15:03:54	Porpoise	Surface	96	20	40	320	1	40	22.19222	113.98233	674.33	280.27
1-Mar-18	15:04:03	Porpoise	Surface	96	23	50	320	1	40	22.19221	113.98238	668.71	280.27
1-Mar-18	15:04:10	Porpoise	Surface	96	30	20	320	22	30	22.19223	113.98250	657.47	280.62
1-Mar-18	15:04:43	Porpoise	Surface	97	0	30	321	35	40	22.19226	113.98298	609.82	281.83
1-Mar-18	15:04:53	Porpoise	Surface	97	1	0	321	34	50	22.19226	113.98298	609.09	281.82
1-Mar-18	15:05:09	Porpoise	Surface	97	1	40	321	38	40	22.19226	113.98301	606.65	281.98
1-Mar-18	15:05:21	Porpoise	Surface	97	10	0	321	32	20	22.19223	113.98311	596.18	281.78
1-Mar-18	15:05:39	Porpoise	Surface	97	6	20	322	49	50	22.19236	113.98308	601.36	283.07
1-Mar-18	15:06:28	Porpoise	Surface	97	37	30	322	54	50	22.19229	113.98348	559.91	283.15
1-Mar-18	15:06:59	Porpoise	Surface	97	3	40	322	24	10	22.19233	113.98304	605.15	282.64
1-Mar-18	15:07:19	Porpoise	Surface	96	53	10	322	54	30	22.19241	113.98290	620.69	283.15
1-Mar-18	15:08:13	Porpoise	Surface	96	46	30	322	18	30	22.19237	113.98279	630.95	282.55
1-Mar-18	15:08:54	Porpoise	Surface	96	55	10	321	29	0	22.19227	113.98290	617.62	281.72
1-Mar-18	15:09:00	Porpoise	Surface	96	56	0	321	35	20	22.19228	113.98291	616.37	281.83
1-Mar-18	15:09:38	Porpoise	Surface	96	52	20	321	11	0	22.19225	113.98285	621.89	281.42
1-Mar-18	15:09:48	Porpoise	Surface	96	54	40	320	24	0	22.19217	113.98287	618.35	280.64
1-Mar-18	15:09:59	Porpoise	Surface	96	51	40	319	41	10	22.19211	113.98281	622.89	279.93
1-Mar-18	15:10:56	Porpoise	Surface	96	40	0	315	30	20	22.19172	113.98258	641.22	275.75
1-Mar-18	15:12:01	Porpoise	Surface	95	59	50	306	5	30	22.19073	113.98186	713.45	266.33
1-Mar-18	15:12:22	Porpoise	Surface	95	51	10	304	2	20	22.19048	113.98171	731.19	264.28
1-Mar-18	15:13:18	Porpoise	Surface	95	14	10	304	55	30	22.19052	113.98086	817.96	265.17
1-Mar-18	15:13:48	Porpoise	Surface	94	58	30	305	13	20	22.19053	113.98043	861.17	265.46
1-Mar-18	15:13:53	Porpoise	Surface	94	57	20	305	13	20	22.19052	113.98040	864.57	265.46
1-Mar-18	15:14:05	Porpoise	Surface	94	54	30	305	0	0	22.19049	113.98032	872.93	265.24
1-Mar-18	15:30:08	Porpoise	Surface	101	30	20	297	29	50	22.19044	113.98529	367.76	257.74
1-Mar-18	15:30:21	Porpoise	Surface	101	51	10	297	54	50	22.19048	113.98539	356.68	258.15
1-Mar-18	15:31:25	Porpoise	Surface	104	50	20	301	49	30	22.19079	113.98606	282.52	262.07
1-Mar-18	15:31:46	Porpoise	Surface	105	30	50	298	59	30	22.19069	113.98620	269.64	259.23
1-Mar-18	15:32:13	Porpoise	Surface	107	54	20	298	19	40	22.19073	113.98657	231.65	258.57
1-Mar-18	15:32:27	Porpoise	Surface	108	7	50	295	1	20	22.19062	113.98663	228.57	255.26
1-Mar-18	15:33:02	Porpoise	Surface	111	0	10	287	58	40	22.19049	113.98702	194.94	248.22
1-Mar-18	15:33:11	Porpoise	Surface	111	2	50	285	54	30	22.19043	113.98705	194.49	246.15
1-Mar-18	15:34:04	Porpoise	Surface	109	10	50	284	58	50	22.19033	113.98688	215.14	245.22
1-Mar-18	15:35:06	Porpoise	Surface	109	20	0	286	46	20	22.19039	113.98687	213.29	247.01
1-Mar-18	15:35:49	Porpoise	Surface	108	35	0	290	32	30	22.19048	113.98674	222.57	250.78
1-Mar-18	15:36:05	Porpoise	Surface	108	22	20	294	52	30	22.19062	113.98666	225.31	255.12
1-Mar-18	15:36:16	Porpoise	Surface	108	7	40	292	30	30	22.19053	113.98666	228.57	252.75
1-Mar-18	15:37:05	Porpoise	Surface	110	47	30	271	59	0	22.19005	113.98726	197.07	232.22
1-Mar-18	15:37:23	Porpoise	Surface	109	14	30	267	54	30	22.18995	113.98723	214.37	228.15
1-Mar-18	15:37:44	Porpoise	Surface	107	16	0	266	56	10	22.18967	113.98706	240.73	227.18
1-Mar-18	15:37:53	Porpoise	Surface	107	26	20	263	45	20	22.18960	113.98717	238.20	224.00
1-Mar-18	15:38:13	Porpoise	Surface	106	22	0	255	19	50	22.18927	113.98734	254.78	215.57
1-Mar-18	15:38:29	Porpoise	Surface	105	39	40	252	58	0	22.18913	113.98736	266.89	213.21
1-Mar-18	15:38:59	Porpoise	Surface	104	58	50	248	26	10	22.18893	113.98747	279.62	208.68
1-Mar-18	15:39:32	Porpoise	Surface	103	47	20	242	29	20	22.18861	113.98763	304.88	202.73
1-Mar-18	15:40:20	Porpoise	Surface	101	44	50	242	10	0	22.18815	113.98744	359.81	202.41
1-Mar-18	15:40:29	Porpoise	Surface	101	36	50	241	54	20	22.18810	113.98744	364.05	202.15
1-Mar-18	15:41:03	Porpoise	Surface	100	39	20	240	29	30	22.18779	113.98741	397.67	200.73
1-Mar-18	15:41:14	Porpoise	Surface	100	42	0	240	9	30	22.18780	113.98744	395.98	200.40
1-Mar-18	15:41:55	Porpoise	Surface	100	32	0	243	16	0	22.18782	113.98722	402.38	203.51
1-Mar-18	15:42:00	Porpoise	Surface	100	26	20	242	46	20	22.18778	113.98723	406.10	203.01
1-Mar-18	15:42:09	Porpoise	Surface	100	18	50	242	32	30	22.18773	113.98723	411.13	202.78
1-Mar-18	15:42:14	Porpoise	Surface	100	12	40	242	34	30	22.18769	113.98721	415.36	202.82
1-Mar-18	15:42:19	Porpoise	Surface	100	10	10	243	1	50	22.18768	113.98717	417.80	203.27
1-Mar-18	15:42:50	Porpoise	Surface	106	1	20	253	31	20	22.18919	113.98737	250.51	213.76
1-Mar-18	15:43:07	Porpoise	Surface	106	58	40	255	43	0	22.18935	113.98738	245.02	215.96
1-Mar-18	15:43:14	Porpoise	Surface	106	27	30	256	26	40	22.18931	113.98731	253.22	216.68
1-Mar-18	15:43:41	Porpoise	Surface	109	18	20	257	8	10	22.18961	113.98752	213.54	217.38
1-Mar-18	15:44:07	Porpoise	Surface	106	3	50	262	28	30	22.18942	113.98707	259.78	222.72
1-Mar-18	15:44:23	Porpoise	Surface	106	5	50	265	31	0	22.18951	113.98697	259.21	225.76
1-Mar-18	15:45:54	Porpoise	Surface	106	25	20	243	38	30	22.18905	113.98778	253.78	203.88
1-Mar-18	15:47:35	Porpoise	Surface	105	36	0	245	13	50	22.18896	113.98766	267.87	205.47
9-Mar-18	9:38:41	Zero	Stationary	106	35	50	0	0	0	22.19287	113.98722	250.69	320.24
9-Mar-18	9:42:27	Construction Platform	Stationary	101	57	0	280	58	50	22.18961	113.98577	353.03	241.22
9-Mar-18	9:42:38	Construction Platform	Stationary	101	26	40	285	35	10	22.18978	113.98551	369.08	245.83
9-Mar-18	9:43:27	Buoy	Stationary	94	24	50	328	3	30	22.19388	113.97984	968.77	288.30
9-Mar-18	9:43:32	Buoy	Stationary	94	16	30	323	54	50	22.19334	113.97935	1000.44	284.15
9-Mar-18	9:43:48	Buoy	Stationary	94	13	0	319	54	30	22.19275	113.97907	1014.35	280.15
9-Mar-18	9:43:54	Buoy	Stationary	94	0	50	312	31	20	22.19160	113.97843	1065.89	272.76
9-Mar-18	9:44:07	Buoy	Stationary	94	12	10	300	33	20	22.18967	113.97901	1017.71	260.80
9-Mar-18	9:44:15	Buoy	Stationary	94	27	40	283	58	30	22.18739	113.98039	958.44	244.22
9-Mar-18	9:44:28	Buoy	Stationary	97	3	30	226	40	30	22.19575	113.98907	603.56	196.92
9-Mar-18	9:44:35	Buoy	Stationary	97	7	30	222	49	30	22.18577	113.98847	597.85	183.07
9-Mar-18	9:44:49	Buoy	Stationary	93	8	20	204	29	50	22.17929	113.99227	1364.89	164.74
9-Mar-18	9:48:25	Zero	Stationary	113	17	40	0	0	0	22.19234	113.98770	173.49	320.24
9-Mar-18	9:49:00	Buoy	Stationary	96	58	10	206	17	30	22.18579	113.99016	611.27	166.53
9-Mar-18	9:49:20	Porpoise	Surface	95	28	20	257	27	0	22.18558	113.98414	780.18	217.69
9-Mar-18	9:49:28	Porpoise	Surface	95	27	10	257	4	50	22.18554	113.98416	782.98	217.32
9-Mar-18	9:49:50	Porpoise	Surface	95	28	30	256	23	50	22.18551	113.98426	779.77	216.64
9-Mar-18	9:49:58	Porpoise	Surface	95	30	40	256	10	20	22.18553	113.98431	774.62	216.41
9-Mar-18	9:												

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
9-Mar-18	10:20:04	Tug boat	Travelling	101	34	40	270	7	0	22.18905	113.98605	364.32	230.36
9-Mar-18	10:21:51	Tug boat	Stationary	101	16	20	283	34	20	22.18985	113.98551	374.44	243.81
9-Mar-18	10:22:06	Container Boat	Travelling	91	17	50	274	39	50	22.17389	113.98227	3333.82	234.90
9-Mar-18	10:22:14	Container Boat	Travelling	93	27	20	250	56	20	22.18161	113.98255	1237.76	211.18
9-Mar-18	10:22:18	Container Boat	Travelling	93	20	50	245	22	40	22.18077	113.98341	1278.05	205.62
9-Mar-18	10:24:49	Tug boat	Travelling	101	26	30	277	33	10	22.18937	113.98575	368.72	237.79
9-Mar-18	10:26:36	Container Boat	Travelling	93	50	50	212	4	20	22.18123	113.99022	1110.93	172.31
9-Mar-18	10:26:48	Container Boat	Travelling	92	19	40	279	23	10	22.18276	113.97333	1842.00	239.63
9-Mar-18	10:26:56	Tug boat	Travelling	98	9	50	252	1	0	22.18718	113.98608	520.23	212.26
9-Mar-18	10:30:37	Tug boat	Travelling	94	23	10	285	4	20	22.18748	113.98018	973.59	245.31
9-Mar-18	10:30:46	Container Boat	Travelling	91	39	0	294	18	0	22.18488	113.96435	2608.34	254.54
9-Mar-18	10:34:23	Container Boat	Stationary	94	27	0	284	7	40	22.18740	113.98037	959.42	244.37
9-Mar-18	10:55:45	Container Boat	Travelling	92	49	40	218	15	0	22.17753	113.98917	1512.86	178.49
9-Mar-18	11:08:50	Container Boat	Travelling	91	2	40	265	50	30	22.16516	113.95964	4162.03	226.08
9-Mar-18	11:32:53	Speedboat	Travelling	106	3	40	267	48	10	22.18958	113.98691	258.68	228.04
9-Mar-18	11:33:59	Speedboat	Travelling	100	27	50	315	11	40	22.19148	113.98488	403.27	275.43
9-Mar-18	11:34:27	Speedboat	Stationary	100	25	50	319	12	40	22.19174	113.98490	404.59	279.45
9-Mar-18	11:45:50	Speedboat	Travelling	99	25	10	311	25	20	22.19126	113.98442	448.83	271.66
9-Mar-18	11:46:53	Speedboat	Travelling	97	58	40	285	29	10	22.18917	113.98407	531.33	245.73
9-Mar-18	11:47:19	Speedboat	Stationary	97	58	30	286	15	0	22.18923	113.98404	531.51	246.49
9-Mar-18	11:59:09	Speedboat	Travelling	96	24	40	306	54	0	22.19084	113.98235	662.60	267.14
9-Mar-18	12:10:38	Container Boat	Travelling	91	44	40	284	18	50	22.18163	113.96720	2458.40	244.55
9-Mar-18	12:13:45	Container Boat	Travelling	93	37	20	245	45	10	22.18162	113.98377	1176.88	205.99
9-Mar-18	12:13:59	Tug boat	Travelling	94	28	10	284	49	50	22.18753	113.98038	952.64	245.07
9-Mar-18	12:16:00	Tug boat	Travelling	98	16	0	272	18	10	22.18834	113.98483	512.14	232.54
9-Mar-18	12:16:09	Container Boat	Travelling	92	36	50	264	15	20	22.18065	113.97765	1634.04	224.50
9-Mar-18	12:16:18	Container Boat	Travelling	92	57	50	268	6	40	22.18253	113.97832	1439.88	228.35
9-Mar-18	12:16:40	Tug boat	Travelling	101	12	20	273	59	20	22.18916	113.98582	375.55	234.23
9-Mar-18	12:17:26	Tug boat	Stationary	101	16	50	283	39	50	22.18966	113.98552	372.98	243.90
9-Mar-18	12:18:28	Fishing Boat	Travelling	91	46	0	267	55	40	22.17657	113.97121	2426.64	228.17
9-Mar-18	12:18:39	Container Boat	Travelling	93	3	0	248	33	10	22.18011	113.98223	1398.91	208.79
9-Mar-18	12:18:50	Container Boat	Travelling	92	19	50	282	7	50	22.18348	113.97298	1834.19	242.37
9-Mar-18	12:19:02	Tug boat	Travelling	101	40	0	280	19	10	22.18955	113.98573	360.29	240.56
9-Mar-18	12:21:12	Tug boat	Travelling	97	34	20	222	31	10	22.18611	113.98852	559.71	182.76
9-Mar-18	12:21:27	Container Boat	Travelling	93	23	10	226	1	0	22.17987	113.98744	1259.21	186.26
9-Mar-18	12:21:35	Container Boat	Travelling	91	49	30	291	26	50	22.18450	113.96711	2347.94	251.69
9-Mar-18	12:21:47	Fishing Boat	Travelling	92	23	0	256	46	10	22.17825	113.97829	1793.13	217.01
9-Mar-18	12:22:03	Tug boat	Travelling	96	28	40	202	46	10	22.18550	113.99064	655.37	163.01
9-Mar-18	12:23:52	Container Boat	Travelling	93	17	20	204	25	40	22.17989	113.99211	1296.58	164.67
9-Mar-18	12:24:06	Container Boat	Travelling	91	30	40	296	42	50	22.18536	113.96186	2843.46	256.95
9-Mar-18	12:24:17	Fishing Boat	Travelling	93	15	30	245	19	20	22.18051	113.98329	1308.80	205.56
9-Mar-18	12:28:09	Fishing Boat	Travelling	95	12	0	201	47	50	22.18414	113.99123	817.76	162.04
9-Mar-18	13:12:57	Container Boat	Travelling	92	13	40	264	38	0	22.17891	113.97563	1917.67	224.87
9-Mar-18	13:17:30	Container Boat	Travelling	92	37	50	228	4	10	22.17670	113.98650	1621.84	188.31
9-Mar-18	13:20:02	Container Boat	Travelling	92	26	30	207	27	30	22.17577	113.99240	1748.21	167.70
9-Mar-18	13:25:48	Fishing Boat	Travelling	92	32	10	233	35	0	22.17644	113.98487	1682.51	193.82
9-Mar-18	13:29:51	Fishing Boat	Travelling	91	51	50	246	54	50	22.17276	113.97860	2295.80	207.15
9-Mar-18	13:34:59	Tug boat	Travelling	100	12	30	244	24	0	22.18776	113.98711	412.64	204.64
9-Mar-18	13:36:39	Tug boat	Stationary	101	11	10	283	48	0	22.18966	113.98549	375.74	244.04
9-Mar-18	13:38:59	Tug boat	Travelling	96	55	0	285	21	50	22.18886	113.98336	612.66	245.60
9-Mar-18	13:40:48	Tug boat	Travelling	94	20	30	285	10	20	22.18747	113.98012	979.50	245.41
9-Mar-18	13:43:09	Tug boat	Stationary	94	23	50	285	25	50	22.18755	113.98021	967.03	245.67
9-Mar-18	13:54:47	Container Boat	Travelling	92	6	30	286	25	40	22.18391	113.97069	2026.55	246.67
9-Mar-18	14:02:12	Container Boat	Travelling	93	13	10	245	25	0	22.18041	113.98321	1323.01	205.66
9-Mar-18	14:17:20	Tug boat	Travelling	92	20	30	288	44	0	22.18525	113.97224	1822.81	248.87
9-Mar-18	14:21:10	Tug boat	Travelling	93	49	50	258	16	40	22.18332	113.98205	1110.82	218.52
9-Mar-18	14:24:05	Tug boat	Travelling	94	21	20	214	8	20	22.18240	113.98971	976.21	174.38
9-Mar-18	14:33:27	Fishing Boat	Travelling	91	57	30	252	8	40	22.17455	113.97741	2183.36	212.38
9-Mar-18	14:38:54	Fishing Boat	Travelling	93	1	50	219	45	0	22.17849	113.98878	1406.01	179.99
9-Mar-18	14:59:11	Speedboat	Travelling	103	20	50	302	46	20	22.19080	113.98576	313.16	263.01
9-Mar-18	14:59:36	Speedboat	Travelling	106	57	50	301	55	50	22.19084	113.98643	243.57	262.17
9-Mar-18	15:00:16	Speedboat	Stationary	107	12	30	301	13	0	22.19082	113.98647	239.90	261.46
9-Mar-18	15:07:15	Speedboat	Travelling	107	5	0	287	25	20	22.19031	113.98660	241.78	247.86
9-Mar-18	15:07:39	Tug boat	Travelling	95	40	20	277	13	0	22.18752	113.98265	748.50	237.46
9-Mar-18	15:08:14	Speedboat	Travelling	108	22	50	262	30	40	22.18966	113.98730	223.62	222.75
9-Mar-18	15:09:46	Speedboat	Travelling	105	34	20	226	24	20	22.18976	113.98848	266.64	196.65
9-Mar-18	15:10:06	Tug boat	Travelling	100	37	0	280	6	10	22.18937	113.98543	396.46	240.34
9-Mar-18	15:10:40	Speedboat	Stationary	106	27	40	227	50	40	22.18890	113.98843	251.49	188.08
9-Mar-18	15:11:19	Tug boat	Stationary	101	6	20	284	48	10	22.18970	113.98544	378.59	245.04
9-Mar-18	15:15:38	Speedboat	Travelling	103	0	50	255	35	20	22.18879	113.98695	321.54	215.83
9-Mar-18	15:17:07	Speedboat	Travelling	98	48	10	271	58	20	22.18849	113.98509	479.97	232.21
9-Mar-18	15:21:53	Container Boat	Travelling	93	15	50	232	59	50	22.17970	113.98587	1305.48	193.24
9-Mar-18	15:22:19	Speedboat	Travelling	93	49	50	294	23	40	22.18849	113.97836	1111.36	254.63
9-Mar-18	15:27:29	Container Boat	Travelling	92	24	50	278	32	50	22.18289	113.97408	1768.85	238.79
13-Mar-18	9:32:57	Zero	Stationary	128	22	40	0	0	0	22.19179	113.98819	94.25	320.24
13-Mar-18	9:36:59	Construction Platform	Stationary	101	51	30	270	43	10	22.18912	113.98609	355.55	230.96
13-Mar-18	9:37:08	Construction Platform	Stationary	101	34	0	275	51	30	22.18931	113.98654	364.77	236.10
13-Mar-18	9:37:21	Construction Platform	Stationary	95	14	30	303	13	30	22.19030	113.98092	814.23	263.47
13-Mar-18	9:37:28	Construction Platform	Stationary	95	13	40	306	28	30	22.19072	113.98086	816.41	266.72
13-Mar-18	9:37:56	Tug boat	Stationary	94	24	40	284	31	30	22.18742	113.98026	968.62	244.77
13-Mar-18	9:38:10	Tug boat	Travelling	96	11	10	216	58	30	22.18495	113.98510	689.03	177.22
13-Mar-18	9:38:41	Buoy	Stationary	94	26	10	328	4	30	22.19386	113.97989	963.13	288.32
13-Mar-18	9:38:47	Buoy	Stationary	94	18	0	324	1	0	22.19334	113.97942	993.80	284.26
13-Mar-18	9:38:52	Buoy	Stationary	94	13	40	319	55	10	22.19274	113.97911	1010.88	280.16
13-Mar-18	9:38:59	Buoy	Stationary	94	2	10	312	29	40	22.19159	113.97850	1059.17	272.73
13-Mar-18	9:39:05	Buoy	Stationary	94	12	50	300	34	10	22.18968	113.97905	1014.23	260.81
13-Mar-18	9:39:11	Buoy	Stationary	94	28	20	284	8	50	22.18742	113.98041	955.31	244.39
13-Mar-18	9:39:21	Buoy	Stationary	97	7	10	226	21	40	22.18579	113.98811	597.87	186.60
13-Mar-18	9:39:27	Buoy	Stationary	97	11	10	222	25	0	22.18581	113.98851	592.27	182.66
13-Mar-18	9:39:34	Buoy	Stationary	97	0	10	205	45	40	22.18583	113.99021	607.95	166.00
13-Mar-18	9:39:46	Buoy	Stationary	96</									

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
13-Mar-18	10:07:05	Transportation boat	Stationary	95	19	0	304	21	40	22.19046	113.98101	802.84	264.80
13-Mar-18	10:08:15	Transportation boat	Travelling	95	29	30	304	20	10	22.19048	113.98126	777.08	264.58
13-Mar-18	10:08:26	Speedboat	Stationary	98	32	20	307	38	40	22.19097	113.98395	497.40	267.88
13-Mar-18	10:08:37	Transportation boat	Travelling	95	23	0	300	34	20	22.19000	113.98117	792.84	260.81
13-Mar-18	10:09:03	Transportation boat	Travelling	94	55	10	298	21	10	22.18959	113.98051	868.14	258.59
13-Mar-18	10:10:17	Transportation boat	Stationary	94	59	0	304	19	30	22.19041	113.98049	856.95	264.57
13-Mar-18	10:18:42	Tug boat	Travelling	96	13	0	277	50	40	22.18788	113.98312	685.82	238.08
13-Mar-18	10:20:00	Tug boat	Travelling	100	8	20	273	43	0	22.18893	113.98550	417.63	233.96
13-Mar-18	10:20:10	Tug boat	Travelling	100	9	0	277	2	10	22.18911	113.98537	417.16	237.28
13-Mar-18	10:21:33	Tug boat	Stationary	99	45	40	279	23	20	22.18916	113.98514	434.14	239.63
13-Mar-18	10:22:00	Tug boat	Travelling	100	15	0	275	32	30	22.18905	113.98546	413.01	235.78
13-Mar-18	10:23:24	Tug boat	Travelling	99	12	40	252	45	30	22.18766	113.98634	460.57	213.00
13-Mar-18	10:23:58	Tug boat	Travelling	100	23	10	255	52	20	22.18818	113.98644	407.48	216.11
13-Mar-18	10:26:51	Tug boat	Travelling	100	2	30	266	37	0	22.18854	113.98579	421.78	226.86
13-Mar-18	10:28:34	Tug boat	Travelling	98	46	0	280	40	0	22.18902	113.98466	484.35	240.91
13-Mar-18	10:33:26	Tug boat	Travelling	97	54	30	292	56	20	22.18974	113.98377	537.76	253.18
13-Mar-18	10:34:34	Tug boat	Travelling	101	1	20	291	6	10	22.19003	113.98525	383.45	251.34
13-Mar-18	10:37:02	Tug boat	Travelling	100	12	0	301	8	20	22.19058	113.98479	415.12	261.38
13-Mar-18	10:38:07	Speedboat	Travelling	103	4	0	297	25	10	22.19052	113.98572	321.80	257.66
13-Mar-18	10:39:37	Tug boat	Travelling	98	33	30	296	44	50	22.19013	113.98408	496.37	256.99
13-Mar-18	10:39:51	Speedboat	Travelling	108	4	30	248	51	10	22.18934	113.98770	228.84	209.09
13-Mar-18	10:40:58	Speedboat	Travelling	105	6	30	220	4	20	22.18865	113.98876	276.64	180.31
13-Mar-18	10:41:36	Speedboat	Stationary	104	28	0	217	54	30	22.18854	113.98887	289.49	178.15
13-Mar-18	10:41:44	Tug boat	Stationary	100	43	10	279	25	30	22.18935	113.98547	394.57	239.67
13-Mar-18	10:44:56	Porpoise	Surface	95	30	10	225	56	0	22.18420	113.98797	775.71	186.17
13-Mar-18	10:45:26	Porpoise	Surface	95	14	0	226	47	10	22.18385	113.98781	815.95	187.03
13-Mar-18	10:49:02	Porpoise	Surface	95	47	20	247	27	10	22.18527	113.98545	737.11	207.69
13-Mar-18	10:49:23	Porpoise	Surface	95	54	20	248	23	50	22.18543	113.98541	722.43	208.64
13-Mar-18	10:49:39	Porpoise	Surface	95	45	0	250	19	30	22.18539	113.98511	742.13	210.57
13-Mar-18	10:49:48	Porpoise	Surface	95	44	40	250	42	0	22.18540	113.98507	742.86	210.94
13-Mar-18	10:50:00	Porpoise	Surface	95	44	40	251	48	40	22.18547	113.98495	742.86	212.05
13-Mar-18	10:50:31	Tug boat	Travelling	104	5	20	254	43	50	22.18894	113.98712	297.61	214.97
13-Mar-18	10:51:56	Tug boat	Travelling	106	31	10	288	15	30	22.18964	113.98694	251.84	228.50
13-Mar-18	10:52:12	Transportation boat	Travelling	95	21	30	303	25	50	22.19035	113.98108	796.82	263.67
13-Mar-18	10:53:59	Transportation boat	Stationary	95	16	40	304	20	30	22.19045	113.98095	809.08	264.58
13-Mar-18	10:54:53	Tug boat	Travelling	102	29	0	274	45	10	22.18940	113.98609	337.40	234.99
13-Mar-18	10:56:16	Tug boat	Travelling	101	59	20	271	24	30	22.18917	113.98610	351.77	231.65
13-Mar-18	10:57:05	Tug boat	Travelling	100	7	10	279	43	10	22.18925	113.98526	418.56	239.96
13-Mar-18	10:57:59	Transportation boat	Travelling	95	29	0	301	10	40	22.19009	113.98130	778.56	261.42
13-Mar-18	10:58:14	Tug boat	Travelling	99	30	0	284	21	10	22.18942	113.98486	446.43	244.59
13-Mar-18	10:59:04	Transportation boat	Travelling	98	38	30	269	52	20	22.18830	113.98511	491.58	230.11
13-Mar-18	10:59:13	Tug boat	Travelling	100	52	10	286	15	20	22.18974	113.98531	389.04	246.50
13-Mar-18	11:00:12	Transportation boat	Travelling	99	16	30	211	43	40	22.18706	113.98940	457.47	171.97
13-Mar-18	11:00:31	Transportation boat	Travelling	98	33	40	197	13	0	22.18701	113.99063	496.28	157.46
13-Mar-18	11:00:48	Tug boat	Stationary	101	3	20	287	47	20	22.18985	113.98533	382.34	248.03
13-Mar-18	11:07:09	Tug boat	Travelling	99	1	10	281	33	20	22.18914	113.98475	470.68	241.80
13-Mar-18	11:09:21	Tug boat	Travelling	99	31	20	270	59	40	22.18863	113.98540	445.40	231.23
13-Mar-18	11:11:28	Tug boat	Stationary	100	6	0	270	34	0	22.18875	113.98562	419.43	230.81
13-Mar-18	11:24:00	Tug boat	Travelling	100	0	50	269	27	50	22.18668	113.98564	423.15	229.70
13-Mar-18	11:24:38	Tug boat	Travelling	99	53	40	281	7	40	22.18929	113.98512	428.37	241.37
13-Mar-18	11:25:21	Tug boat	Stationary	99	51	10	281	51	0	22.18933	113.98508	430.22	242.09
13-Mar-18	11:27:34	Tug boat	Travelling	97	42	30	283	27	0	22.18894	113.98397	552.11	243.69
13-Mar-18	11:27:50	Transportation boat	Travelling	94	32	10	317	2	0	22.19221	113.97969	942.53	277.27
13-Mar-18	11:29:06	Tug boat	Travelling	94	57	0	300	21	30	22.18987	113.98050	863.25	260.60
13-Mar-18	11:29:20	Tug boat	Travelling	94	25	20	288	12	0	22.18794	113.98004	966.96	284.44
13-Mar-18	11:29:32	Transportation boat	Travelling	97	34	50	292	27	50	22.18964	113.98357	561.55	252.70
13-Mar-18	11:30:26	Tug boat	Stationary	94	25	20	284	32	50	22.18743	113.98028	966.97	244.79
13-Mar-18	11:30:37	Tug boat	Travelling	96	26	20	290	23	50	22.18916	113.98271	662.29	250.64
13-Mar-18	11:30:52	Transportation boat	Travelling	98	58	30	256	13	50	22.18771	113.98604	473.14	216.47
13-Mar-18	11:32:15	Tug boat	Travelling	99	43	40	279	40	20	22.18917	113.98511	435.88	239.91
13-Mar-18	11:32:24	Transportation boat	Travelling	98	31	10	210	36	40	22.18671	113.98955	498.86	170.85
13-Mar-18	11:32:49	Fishing boat	Stationary	102	25	10	206	28	50	22.18817	113.98954	339.29	166.72
13-Mar-18	11:33:12	Fishing boat	Stationary	103	1	40	216	52	50	22.18824	113.98894	322.92	177.12
13-Mar-18	11:34:04	Tug boat	Travelling	99	48	10	281	41	20	22.18931	113.98507	432.49	241.93
13-Mar-18	11:35:30	Transportation boat	Travelling	101	40	50	227	54	50	22.18792	113.98828	361.43	188.15
13-Mar-18	11:35:51	Tug boat	Stationary	99	52	30	281	41	0	22.18932	113.98510	429.26	241.92
13-Mar-18	11:36:06	Container Boat	Travelling	91	45	10	286	10	40	22.18229	113.96689	2456.92	246.42
13-Mar-18	11:36:47	Transportation boat	Travelling	99	58	50	304	2	50	22.19076	113.98467	424.63	284.29
13-Mar-18	11:37:47	Transportation boat	Travelling	95	49	10	325	22	50	22.19292	113.98191	733.47	285.62
13-Mar-18	11:42:13	Container Boat	Travelling	92	48	10	256	39	20	22.18013	113.97985	1529.89	216.90
13-Mar-18	11:42:59	Transportation boat	Travelling	93	10	50	319	3	10	22.19310	113.97586	1347.13	279.29
13-Mar-18	11:43:38	Transportation boat	Travelling	93	43	0	326	59	0	22.19421	113.97809	1151.79	287.22
13-Mar-18	11:44:30	Transportation boat	Travelling	92	14	30	306	53	30	22.19027	113.97018	1916.08	267.13
13-Mar-18	11:44:41	Transportation boat	Travelling	94	5	40	317	37	10	22.19242	113.97872	1044.96	277.86
13-Mar-18	11:44:59	Container Boat	Travelling	93	7	30	233	15	0	22.17914	113.98567	1371.24	193.49
13-Mar-18	11:47:56	Transportation boat	Travelling	94	49	40	306	23	0	22.19067	113.98019	885.38	266.62
13-Mar-18	11:48:12	Container Boat	Travelling	93	1	10	204	15	0	22.17883	113.99247	1419.50	164.49
13-Mar-18	11:48:52	Transportation boat	Travelling	94	43	20	312	23	20	22.19151	113.97999	905.30	272.63
13-Mar-18	11:50:02	Research vessel	Travelling	93	23	50	316	49	20	22.19253	113.97662	1260.80	277.06
13-Mar-18	11:50:58	Research vessel	Travelling	92	11	50	302	3	50	22.18878	113.96995	1955.28	262.30
13-Mar-18	11:57:54	Fishing boat	Travelling	103	22	10	218	55	30	22.18851	113.98882	314.43	179.17
13-Mar-18	12:00:22	Fishing boat	Travelling	100	3	50	308	18	30	22.19104	113.98469	421.12	268.55
13-Mar-18	12:01:35	Fishing boat	Travelling	96	42	40	324	14	40	22.19257	113.98280	635.30	284.48
13-Mar-18	12:26:14	Fishing boat	Stationary	98	46	0	318	48	50	22.19182	113.98413	484.42	279.05
13-Mar-18	12:32:46	Fishing boat	Travelling	99	31	40	310	23	10	22.19118	113.98445	445.00	270.63
13-Mar-18	12:37:35	Fishing boat	Stationary	99	9	30	307	50	50	22.19100	113.98428	463.24	268.09
13-Mar-18	12:50:42	Tug boat	Travelling	95	41	50	274	10	40	22.18722	113.98286	748.66	234.42
13-Mar-18	12:51:55	Tug boat	Travelling	97	48	30	250	15	50	22.18692	113.98609	544.50	210.50
13-Mar-18	12:52:27	Fishing boat	Travelling	106	0	10	291	55	30	22.19042	113.98637	260.28	252.17
13-Mar-18	12:53:33	Tug boat	Travelling	97	45	30	201	2	50	22			

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
13-Mar-18	13:20:24	Fishing boat	Stationary	100	43	10	318	16	50	22.19166	113.98499	394.13	278.52
13-Mar-18	13:20:46	Tug boat	Stationary	99	58	40	281	3	0	22.18931	113.98516	424.11	241.29
13-Mar-18	13:21:11	Tug boat	Travelling	99	52	20	278	46	0	22.18915	113.98521	428.73	239.01
13-Mar-18	13:23:20	Tug boat	Travelling	96	32	10	229	16	30	22.18536	113.98773	651.34	189.52
13-Mar-18	13:24:03	Tug boat	Travelling	96	14	10	206	9	10	22.18517	113.99034	682.97	166.39
13-Mar-18	13:31:48	Tug boat	Travelling	100	26	20	227	9	40	22.18753	113.98827	404.88	187.40
13-Mar-18	13:34:07	Tug boat	Stationary	99	53	0	281	33	10	22.18932	113.98511	428.12	241.79
13-Mar-18	13:36:03	Tug boat	Travelling	99	7	0	280	49	50	22.18912	113.98482	464.82	241.07
13-Mar-18	13:39:06	Tug boat	Stationary	94	26	50	284	35	40	22.18747	113.98034	959.71	244.83
13-Mar-18	14:10:10	Fishing boat	Travelling	94	56	50	231	34	10	22.18355	113.98706	861.57	191.81
13-Mar-18	14:11:33	Fishing boat	Travelling	94	25	30	249	7	0	22.18358	113.98419	963.89	209.36
13-Mar-18	14:11:51	Fishing boat	Travelling	95	16	10	227	27	30	22.18393	113.98773	808.51	187.70
13-Mar-18	14:11:57	Fishing boat	Travelling	96	39	30	234	21	50	22.18558	113.98721	638.61	194.60
13-Mar-18	14:12:05	Fishing boat	Travelling	98	26	0	238	22	20	22.18685	113.98722	502.73	198.61
13-Mar-18	14:13:28	Fishing boat	Travelling	94	55	10	211	22	40	22.18343	113.99001	866.40	171.62
13-Mar-18	14:13:36	Fishing boat	Travelling	96	1	10	224	22	40	22.18480	113.98822	707.02	184.62
13-Mar-18	14:13:53	Fishing boat	Travelling	95	2	10	202	8	20	22.18398	113.99127	846.19	162.38
13-Mar-18	14:14:15	Fishing boat	Travelling	95	14	50	272	51	40	22.18403	113.97855	1315.73	233.10
13-Mar-18	14:14:24	Fishing boat	Travelling	94	14	40	261	30	40	22.18439	113.98227	1005.07	221.75
13-Mar-18	14:14:34	Fishing boat	Travelling	94	26	10	268	46	10	22.18546	113.98173	961.40	229.01
13-Mar-18	14:14:45	Fishing boat	Travelling	94	50	10	278	7	10	22.18698	113.98148	881.41	238.36
13-Mar-18	14:15:11	Fishing boat	Travelling	94	30	0	202	49	50	22.18298	113.99146	947.65	163.07
13-Mar-18	14:15:28	Transportation boat	Travelling	96	37	50	230	21	20	22.18547	113.98763	641.26	190.60
13-Mar-18	14:16:34	Transportation boat	Travelling	95	48	30	272	45	10	22.18717	113.98309	732.88	232.99
13-Mar-18	14:17:26	Transportation boat	Travelling	94	11	40	290	14	50	22.18808	113.97946	1017.06	250.49
13-Mar-18	14:17:51	Fishing boat	Travelling	92	11	50	289	55	20	22.18518	113.97095	1949.71	250.16
13-Mar-18	14:18:00	Fishing boat	Travelling	92	40	30	285	5	40	22.18513	113.97466	1599.00	245.33
13-Mar-18	14:18:06	Fishing boat	Travelling	92	40	50	288	9	10	22.18585	113.97436	1595.66	248.39
13-Mar-18	14:18:13	Fishing boat	Travelling	92	45	0	296	51	40	22.18801	113.97405	1555.09	257.10
13-Mar-18	14:18:20	Fishing boat	Travelling	93	28	20	269	9	50	22.18394	113.97970	1229.90	229.40
13-Mar-18	14:18:26	Fishing boat	Travelling	93	19	20	279	7	10	22.18524	113.97803	1285.75	239.36
13-Mar-18	14:18:37	Fishing boat	Travelling	94	1	20	263	58	50	22.18430	113.98159	1060.84	224.22
13-Mar-18	14:18:47	Fishing boat	Travelling	94	28	20	250	34	0	22.18377	113.98403	953.50	210.81
13-Mar-18	14:19:12	Transportation boat	Travelling	92	28	50	305	20	40	22.18994	113.97206	1725.23	265.58
13-Mar-18	14:21:49	Fishing boat	Travelling	94	28	30	224	55	0	22.18280	113.98795	952.84	185.16
13-Mar-18	14:22:02	Fishing boat	Travelling	92	16	50	288	17	50	22.18496	113.97179	1877.68	248.54
13-Mar-18	14:22:09	Fishing boat	Travelling	92	7	50	292	54	40	22.18589	113.97007	2011.10	253.15
13-Mar-18	14:22:19	Fishing boat	Travelling	92	34	30	286	4	10	22.18513	113.97399	1661.39	246.31
13-Mar-18	14:22:27	Fishing boat	Travelling	92	53	10	280	21	0	22.18459	113.97624	1481.15	240.59
13-Mar-18	14:26:57	Fishing boat	Travelling	94	1	40	237	22	0	22.18205	113.98566	1059.18	197.61
13-Mar-18	14:27:06	Fishing boat	Travelling	92	59	40	276	29	20	22.18409	113.97718	1427.10	236.73
13-Mar-18	14:33:22	Fishing boat	Travelling	92	17	0	285	36	40	22.18424	113.97215	1874.92	245.85
13-Mar-18	14:33:34	Tug boat	Travelling	96	32	0	224	22	10	22.18530	113.98827	650.65	184.61
13-Mar-18	14:37:40	Tug boat	Travelling	94	51	0	301	39	0	22.19002	113.98033	878.43	261.89
13-Mar-18	14:39:13	Tug boat	Stationary	94	54	20	301	43	50	22.19005	113.98042	868.39	261.97
13-Mar-18	14:39:25	Research vessel	Travelling	99	43	0	307	56	0	22.19101	113.98455	435.01	268.17
13-Mar-18	14:39:55	Transportation boat	Travelling	98	21	40	311	22	40	22.19127	113.98385	506.84	271.62
13-Mar-18	14:40:46	Research vessel	Travelling	105	35	0	292	5	40	22.19041	113.98630	267.04	252.33
13-Mar-18	14:41:25	Transportation boat	Travelling	102	21	30	290	46	40	22.19014	113.98565	339.93	251.02
13-Mar-18	14:42:11	Research vessel	Travelling	103	49	50	291	42	40	22.19030	113.98598	302.51	251.95
13-Mar-18	14:43:30	Transportation boat	Stationary	102	21	40	290	46	0	22.19015	113.98565	339.83	251.04
13-Mar-18	14:43:42	Research vessel	Stationary	105	46	50	290	28	50	22.19036	113.98636	263.52	250.72
13-Mar-18	14:44:38	Government Boat	Travelling	92	59	40	210	49	10	22.17846	113.99093	1426.56	171.06
13-Mar-18	14:53:27	Container Boat	Travelling	94	6	0	244	46	20	22.18266	113.98451	1039.82	205.01
13-Mar-18	14:53:45	Transportation boat	Stationary	105	3	50	272	28	30	22.18963	113.98664	276.64	232.72
13-Mar-18	14:56:22	Container Boat	Travelling	93	20	0	272	18	0	22.18413	113.97890	1280.40	232.54
13-Mar-18	14:56:32	Government Boat	Travelling	92	23	20	295	40	20	22.18722	113.97190	1790.52	255.91
13-Mar-18	15:00:56	Government Boat	Stationary	92	14	0	303	51	30	22.18936	113.97025	1916.13	264.10
13-Mar-18	15:01:08	Container Boat	Travelling	92	4	50	293	25	0	22.18593	113.96958	2058.18	253.66
13-Mar-18	15:11:13	Transportation boat	Travelling	104	52	0	269	13	20	22.18950	113.98671	280.38	229.46
13-Mar-18	15:13:46	Research vessel	Stationary	111	51	20	303	3	20	22.19094	113.98699	185.54	263.30
13-Mar-18	15:20:52	Transportation boat	Travelling	109	17	50	289	4	30	22.19046	113.98685	212.52	249.32
13-Mar-18	15:21:28	Tug boat	Travelling	94	57	30	281	47	30	22.18752	113.98141	858.31	242.03
13-Mar-18	15:23:22	Tug boat	Travelling	99	46	20	283	11	50	22.18940	113.98502	432.08	243.44
13-Mar-18	15:24:13	Tug boat	Travelling	100	15	20	295	5	40	22.19008	113.98495	411.29	253.33
13-Mar-18	15:30:37	Transportation boat	Travelling	97	49	40	313	13	20	22.18143	113.98353	541.29	273.46
13-Mar-18	15:31:59	Transportation boat	Travelling	100	54	10	294	39	50	22.19023	113.98515	386.26	254.90
13-Mar-18	15:32:10	Research vessel	Travelling	108	25	40	299	6	50	22.19077	113.98665	223.27	259.35
13-Mar-18	15:33:05	Transportation boat	Travelling	100	49	10	307	19	10	22.19099	113.98500	389.30	267.56
13-Mar-18	15:33:31	Research vessel	Travelling	98	49	40	318	39	10	22.19181	113.98418	479.09	278.89
13-Mar-18	15:33:54	Transportation boat	Travelling	96	28	50	320	9	10	22.19220	113.98251	655.15	280.39
13-Mar-18	15:34:26	Transportation boat	Travelling	95	20	50	327	12	0	22.19328	113.98140	795.26	287.44
13-Mar-18	15:34:44	Research vessel	Travelling	96	17	40	325	4	20	22.19274	113.98245	674.69	285.31
14-Mar-18	9:33:28	Zero	Stationary	127	41	50	0	0	0	22.19181	113.98818	96.50	320.24
14-Mar-18	9:34:51	Construction Platform	Stationary	98	29	20	276	57	40	22.18870	113.98469	499.79	237.20
14-Mar-18	9:35:13	Construction Platform	Stationary	98	18	50	280	12	30	22.18887	113.98466	510.47	240.45
14-Mar-18	9:35:50	Construction Platform	Stationary	95	11	10	297	20	30	22.18955	113.98097	822.24	257.58
14-Mar-18	9:35:59	Construction Platform	Stationary	95	11	10	300	45	10	22.18998	113.98088	822.24	260.99
14-Mar-18	9:36:46	Buoy	Stationary	94	27	0	328	5	40	22.19385	113.97993	959.20	288.33
14-Mar-18	9:37:01	Buoy	Stationary	94	18	0	324	1	40	22.19334	113.97943	992.86	284.27
14-Mar-18	9:37:10	Buoy	Stationary	94	14	10	319	57	10	22.19274	113.97914	1007.93	280.19
14-Mar-18	9:37:21	Buoy	Stationary	94	2	0	312	33	20	22.19160	113.97850	1058.80	272.80
14-Mar-18	9:37:45	Buoy	Stationary	95	30	50	306	47	0	22.19078	113.98127	773.03	267.02
14-Mar-18	9:38:09	Buoy	Stationary	94	35	0	305	8	40	22.19046	113.97976	931.14	265.38
14-Mar-18	9:38:27	Buoy	Stationary	94	13	50	300	30	20	22.18968	113.97910	1009.27	260.75
14-Mar-18	9:38:50	Buoy	Stationary	94	34	50	292	47	50	22.18869	113.98012	931.72	253.04
14-Mar-18	9:39:14	Buoy	Stationary	98	59	50	294	43	0	22.19004	113.98436	471.13	254.96
14-Mar-18	9:39:39	Buoy	Stationary	94	28	20	284	7	10	22.18742	113.98042	954.43	244.36
14-Mar-18	9:40:08	Buoy	Stationary	96	54	10	283	32	30	22.18869	113.98340	616.28	243.78
14-Mar-18	9:40:35	Buoy	Stationary	103	25	40	270	42	0	22.18937	113.98642	312.41</	

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horiz Degrees	Fix Horiz Minutes	Fix Horiz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
14-Mar-18	9:55:56	Porpoise	Surface	92	38	20	314	54	30	22.19245	113.97307	1622.92	275.15
14-Mar-18	9:56:11	Porpoise	Surface	92	38	20	314	50	40	22.19243	113.97307	1622.92	275.08
14-Mar-18	9:56:25	Porpoise	Surface	92	38	40	314	51	0	22.19243	113.97310	1619.50	275.09
14-Mar-18	9:57:11	Porpoise	Surface	92	38	10	315	8	50	22.19251	113.97306	1624.67	275.39
14-Mar-18	9:58:12	Porpoise	Surface	92	33	20	315	7	50	22.19255	113.97256	1676.28	275.37
14-Mar-18	9:58:36	Porpoise	Surface	92	36	30	315	30	10	22.19262	113.97290	1642.13	275.74
14-Mar-18	9:58:41	Porpoise	Surface	92	39	10	315	43	40	22.19265	113.97317	1614.42	275.97
14-Mar-18	10:00:34	Porpoise	Surface	92	40	0	317	31	50	22.19309	113.97331	1606.00	277.77
14-Mar-18	10:00:46	Porpoise	Surface	92	40	30	317	36	30	22.19311	113.97336	1600.97	277.85
14-Mar-18	10:00:57	Porpoise	Surface	92	40	50	317	36	30	22.19310	113.97340	1597.63	277.85
14-Mar-18	10:01:28	Porpoise	Surface	92	40	0	317	30	0	22.19308	113.97331	1606.02	277.74
14-Mar-18	10:01:41	Porpoise	Surface	92	40	20	317	19	50	22.19304	113.97334	1602.67	277.57
14-Mar-18	10:01:46	Porpoise	Surface	92	41	0	317	17	0	22.19302	113.97340	1596.99	277.52
14-Mar-18	10:02:01	Porpoise	Surface	92	40	10	317	16	10	22.19303	113.97332	1604.35	277.51
14-Mar-18	10:13:42	Tug boat	Stationary	94	25	50	284	55	40	22.18750	113.98028	963.91	245.17
14-Mar-18	10:14:14	Transportation boat	Stationary	94	10	20	300	24	10	22.18964	113.97896	1023.97	260.64
14-Mar-18	10:20:34	Container Boat	Travelling	92	0	10	292	11	30	22.18531	113.96891	2144.25	252.43
14-Mar-18	10:25:19	Container Boat	Travelling	93	6	30	272	29	10	22.18363	113.97813	1377.01	232.73
14-Mar-18	10:31:10	Container Boat	Travelling	94	23	30	214	58	0	22.18242	113.98957	972.79	175.21
14-Mar-18	10:36:51	Transportation boat	Travelling	94	11	20	297	17	50	22.18916	113.97910	1020.27	257.54
14-Mar-18	10:39:53	Transportation boat	Travelling	98	31	50	280	48	40	22.18897	113.98454	497.79	241.05
14-Mar-18	10:42:37	Transportation boat	Travelling	97	15	10	272	17	10	22.18793	113.98425	586.79	232.53
14-Mar-18	10:45:03	Transportation boat	Travelling	94	49	10	296	11	0	22.18927	113.98041	886.17	256.42
14-Mar-18	10:46:37	Transportation boat	Travelling	94	53	10	298	9	10	22.18956	113.98046	874.03	258.39
14-Mar-18	10:49:19	Transportation boat	Stationary	94	12	30	300	43	10	22.18970	113.97903	1015.77	260.96
14-Mar-18	11:02:23	Container Boat	Travelling	94	20	50	227	36	50	22.18237	113.98747	983.37	187.85
14-Mar-18	11:04:24	Container Boat	Travelling	94	2	0	256	21	20	22.18348	113.98263	1060.40	216.60
14-Mar-18	11:14:46	Transportation boat	Travelling	94	27	40	293	53	30	22.18878	113.97982	958.35	254.13
14-Mar-18	11:15:11	Container Boat	Travelling	91	18	50	305	6	40	22.18873	113.95687	3293.96	265.35
14-Mar-18	11:15:26	Container Boat	Travelling	92	26	20	262	56	50	22.17959	113.97708	1759.49	223.19
14-Mar-18	11:16:28	Porpoise	Surface	98	55	50	226	42	40	22.18689	113.98822	475.48	186.95
14-Mar-18	11:16:38	Porpoise	Surface	98	57	40	227	55	30	22.18692	113.98812	473.83	188.17
14-Mar-18	11:18:51	Porpoise	Surface	98	25	40	233	27	0	22.18673	113.98762	504.33	193.69
14-Mar-18	11:18:55	Porpoise	Surface	98	20	0	233	59	20	22.18689	113.98756	510.13	194.23
14-Mar-18	11:18:59	Porpoise	Surface	98	15	0	234	27	20	22.18685	113.98751	515.36	194.70
14-Mar-18	11:20:24	Porpoise	Surface	98	11	40	240	3	10	22.18676	113.98703	518.92	200.29
14-Mar-18	11:22:32	Porpoise	Surface	96	54	20	251	39	50	22.18642	113.98561	617.10	211.90
14-Mar-18	11:22:38	Porpoise	Surface	96	57	0	252	22	40	22.18649	113.98557	613.11	212.62
14-Mar-18	11:33:33	Zero	Stationary	109	38	40	0	0	0	22.19259	113.98748	209.34	320.24
14-Mar-18	11:37:20	Porpoise	Surface	93	52	50	251	0	20	22.18265	113.98322	1103.06	211.25
14-Mar-18	11:37:26	Porpoise	Surface	93	52	10	250	52	0	22.18261	113.98322	1106.25	211.11
14-Mar-18	11:37:32	Porpoise	Surface	93	51	10	251	0	40	22.18259	113.98318	1111.06	211.25
14-Mar-18	11:38:45	Porpoise	Surface	93	42	50	248	52	40	22.18207	113.98333	1152.88	209.12
14-Mar-18	11:38:36	Container Boat	Travelling	94	11	20	250	33	0	22.18324	113.98370	1021.46	210.79
14-Mar-18	11:41:05	Container Boat	Travelling	93	33	30	268	36	40	22.18401	113.97997	1203.61	228.85
14-Mar-18	11:45:20	Container Boat	Travelling	92	2	40	292	55	20	22.18565	113.96921	2103.37	253.16
14-Mar-18	11:46:46	Transportation boat	Travelling	94	39	30	286	40	20	22.18790	113.98057	918.05	246.91
14-Mar-18	11:56:52	Transportation boat	Travelling	94	18	50	299	50	10	22.18960	113.97928	991.97	260.08
14-Mar-18	12:06:33	Transportation boat	Travelling	96	26	20	268	19	10	22.18719	113.98395	662.78	228.56
14-Mar-18	12:10:03	Transportation boat	Travelling	98	25	0	214	55	40	22.18661	113.98819	505.43	175.17
14-Mar-18	12:35:42	Tug boat	Travelling	96	49	0	288	25	50	22.18909	113.98311	625.87	248.67
14-Mar-18	12:36:57	Tug boat	Travelling	101	11	20	296	51	40	22.19038	113.98520	378.14	257.10
14-Mar-18	12:37:42	Speedboat	Travelling	94	5	10	267	12	10	22.18476	113.98127	1048.08	227.44
14-Mar-18	12:37:59	Tug boat	Stationary	102	14	20	309	54	20	22.19115	113.98543	344.81	270.15
14-Mar-18	12:38:40	Speedboat	Travelling	96	22	0	249	9	10	22.18588	113.98558	670.57	209.39
14-Mar-18	12:39:21	Speedboat	Travelling	98	40	30	221	14	0	22.18673	113.98666	490.29	181.47
14-Mar-18	12:40:55	Tug boat	Travelling	101	0	10	301	22	20	22.19063	113.98508	384.71	261.61
14-Mar-18	12:42:50	Transportation boat	Travelling	98	5	0	217	25	10	22.18640	113.98899	526.74	177.66
14-Mar-18	12:43:09	Tug boat	Travelling	95	13	50	287	56	20	22.18840	113.98140	817.54	248.18
14-Mar-18	12:44:56	Transportation boat	Travelling	95	8	50	284	35	40	22.18796	113.98147	830.87	244.83
14-Mar-18	12:45:09	Tug boat	Stationary	94	27	0	284	58	0	22.18751	113.98029	961.95	245.21
14-Mar-18	12:48:22	Transportation boat	Stationary	94	14	40	300	29	10	22.18968	113.97910	1008.83	260.73
14-Mar-18	12:48:37	Government Boat	Travelling	92	28	40	283	23	40	22.18421	113.97368	1733.83	243.63
14-Mar-18	12:50:42	Government Boat	Travelling	94	53	20	253	39	0	22.18460	113.98404	875.10	213.89
14-Mar-18	12:51:53	Government Boat	Travelling	96	7	20	209	51	0	22.18495	113.98999	697.64	170.09
14-Mar-18	13:09:58	Container Boat	Travelling	92	50	40	296	48	0	22.18809	113.97449	1508.93	257.04
14-Mar-18	13:13:51	Container Boat	Travelling	96	4	40	244	58	40	22.18542	113.98587	702.80	205.22
14-Mar-18	13:15:07	Container Boat	Travelling	95	59	40	212	26	50	22.18478	113.98966	712.65	172.69
14-Mar-18	13:19:48	Tug boat	Travelling	96	9	30	266	59	10	22.18690	113.98383	693.51	227.23
14-Mar-18	13:20:34	Tug boat	Travelling	97	35	30	266	49	20	22.18770	113.98478	561.34	227.06
14-Mar-18	13:21:24	Tug boat	Travelling	99	1	10	282	18	50	22.18918	113.98471	471.29	242.55
14-Mar-18	13:22:11	Tug boat	Stationary	100	5	30	277	51	40	22.18914	113.98531	420.30	238.10
14-Mar-18	13:24:42	Tug boat	Travelling	100	31	30	285	29	30	22.18965	113.98621	402.62	245.73
14-Mar-18	13:26:06	Tug boat	Travelling	97	16	20	294	30	40	22.18975	113.98328	586.29	254.75
14-Mar-18	13:30:06	Tug boat	Stationary	97	41	10	313	12	20	22.19144	113.98340	554.33	273.45
14-Mar-18	13:34:48	Tug boat	Travelling	97	56	0	304	30	0	22.19070	113.98358	536.81	264.74
14-Mar-18	13:36:41	Tug boat	Travelling	97	56	40	298	56	20	22.19023	113.98366	536.04	259.18
14-Mar-18	13:37:39	Tug boat	Travelling	101	0	50	286	19	20	22.18976	113.98535	384.28	246.56
14-Mar-18	13:38:42	Tug boat	Stationary	100	31	50	280	9	50	22.18935	113.98538	402.36	240.40
14-Mar-18	13:39:32	Tug boat	Travelling	100	34	50	284	51	50	22.18962	113.98525	400.41	245.10
14-Mar-18	13:42:14	Tug boat	Travelling	95	51	20	301	31	50	22.19020	113.98177	728.51	261.77
14-Mar-18	13:44:01	Tug boat	Travelling	98	20	20	298	14	10	22.19022	113.98392	510.29	258.48
14-Mar-18	13:45:49	Tug boat	Stationary	98	54	40	298	15	30	22.19028	113.98423	477.02	258.50
14-Mar-18	13:52:58	Tug boat	Travelling	97	48	0	301	31	20	22.19043	113.98353	545.99	261.76
14-Mar-18	13:54:38	Tug boat	Travelling	97	12	40	276	30	40	22.18822	113.98397	591.13	236.75
14-Mar-18	13:56:46	Tug boat	Stationary	96	44	50	272	31	40	22.18770	113.98389	632.21	232.77
14-Mar-18	14:02:08	Tug boat	Travelling	97	30	30	281	3	20	22.18869	113.98394	567.39	241.30
14-Mar-18	14:05:02	Tug boat	Travelling	100	2	30	260	28	0	22.18826	113.98610	422.23	220.71
14-Mar-18	14:10:56	Tug boat	Travelling	99	3	30	260	54	30	22.18796	113.98578	468.94	221.15
14-Mar-18	14:16:17	Tug boat	Travelling	97	48	0	267	42	40	22.18785	113.98484	545	

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horiz Degrees	Fix Horiz Minutes	Fix Horiz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
14-Mar-18	14:37:15	Fishing Boat	Travelling	93	41	20	222	52	0	22.18071	113.98617	1160.21	163.11
14-Mar-18	14:37:20	Fishing Boat	Travelling	93	41	20	221	48	10	22.18070	113.98638	1160.20	162.04
14-Mar-18	14:37:32	Fishing Boat	Travelling	92	59	10	210	42	20	22.17839	113.99097	1435.01	170.95
14-Mar-18	14:37:42	Fishing Boat	Travelling	92	57	20	210	28	30	22.17826	113.99105	1449.93	170.72
14-Mar-18	14:38:06	Tug boat	Stationary	97	15	40	303	44	0	22.19058	113.98311	586.44	263.97
14-Mar-18	14:38:16	Transportation boat	Travelling	94	26	0	301	0	40	22.18982	113.97951	964.34	261.25
14-Mar-18	14:41:31	Transportation boat	Travelling	94	34	40	288	16	0	22.18806	113.98033	933.64	248.51
14-Mar-18	14:41:43	Fishing Boat	Travelling	92	31	20	277	13	50	22.18291	113.97484	1700.64	237.47
14-Mar-18	14:41:52	Fishing Boat	Travelling	93	3	10	263	52	40	22.18207	113.97928	1403.29	224.12
14-Mar-18	14:42:00	Fishing Boat	Travelling	93	4	40	263	38	50	22.18211	113.97940	1391.82	223.89
14-Mar-18	14:42:07	Fishing Boat	Travelling	92	52	30	252	12	0	22.17982	113.98101	1490.61	212.44
14-Mar-18	14:42:12	Fishing Boat	Travelling	92	54	10	251	25	50	22.17983	113.98125	1476.25	211.67
14-Mar-18	14:42:25	Tug boat	Travelling	97	36	0	301	23	30	22.19041	113.98339	559.91	261.63
14-Mar-18	14:42:40	Transportation boat	Travelling	94	13	10	288	16	20	22.18780	113.97961	1013.38	248.51
14-Mar-18	14:43:45	Construction Platform	Stationary	97	14	40	301	49	10	22.19041	113.98312	587.71	262.06
14-Mar-18	14:43:57	Construction Platform	Stationary	96	57	40	303	29	20	22.19054	113.98287	611.90	263.73
14-Mar-18	14:44:13	Transportation boat	Travelling	95	28	40	306	4	20	22.19069	113.98122	779.24	266.31
14-Mar-18	14:44:26	Container Boat	Travelling	94	10	50	225	16	20	22.18198	113.98782	1022.81	185.51
14-Mar-18	14:45:00	Fishing Boat	Travelling	91	56	10	288	56	50	22.18404	113.96861	2220.57	249.19
14-Mar-18	14:45:10	Fishing Boat	Travelling	92	19	20	281	29	40	22.18326	113.97296	1848.11	241.73
14-Mar-18	14:45:14	Fishing Boat	Travelling	92	20	10	280	57	30	22.18317	113.97313	1837.02	241.20
14-Mar-18	14:45:33	Fishing Boat	Travelling	92	11	10	272	55	20	22.18054	113.97350	1964.18	233.16
14-Mar-18	14:45:39	Fishing Boat	Travelling	92	13	0	272	20	40	22.18055	113.97383	1936.86	232.58
14-Mar-18	14:47:54	Transportation boat	Travelling	95	8	0	294	20	50	22.18915	113.98098	831.81	254.59
14-Mar-18	14:48:48	Container Boat	Travelling	93	9	40	271	35	10	22.18360	113.97843	1354.62	231.83
14-Mar-18	14:49:57	Tug boat	Travelling	99	16	20	303	58	20	22.19072	113.98435	457.45	264.21
14-Mar-18	14:53:27	Transportation boat	Travelling	96	21	20	277	1	10	22.18787	113.98330	670.59	237.26
14-Mar-18	14:53:38	Tug boat	Travelling	96	13	40	298	18	40	22.18992	113.98226	684.47	258.55
14-Mar-18	14:53:48	Container Boat	Travelling	91	55	50	294	22	10	22.18582	113.96792	2226.37	254.61
14-Mar-18	14:56:05	Fishing Boat	Travelling	95	25	30	262	35	50	22.18595	113.98358	786.57	222.84
14-Mar-18	14:56:49	Fishing Boat	Travelling	99	46	0	244	31	40	22.18759	113.98701	433.76	204.77
14-Mar-18	14:57:15	Fishing Boat	Travelling	102	35	0	223	52	10	22.18814	113.98654	334.45	184.11
14-Mar-18	14:57:36	Transportation boat	Travelling	97	45	20	267	29	20	22.18792	113.98483	548.26	227.73
14-Mar-18	14:57:55	Container Boat	Travelling	93	25	20	238	51	50	22.18051	113.98480	1250.30	199.10
14-Mar-18	14:59:27	Fishing Boat	Stationary	102	31	20	217	19	10	22.18812	113.98892	336.11	177.56
14-Mar-18	14:59:39	Container Boat	Travelling	94	0	40	221	20	30	22.18155	113.98849	1065.71	181.58
14-Mar-18	15:01:37	Container Boat	Travelling	94	16	50	196	15	50	22.18290	113.99265	998.19	156.50
14-Mar-18	15:02:57	Transportation boat	Travelling	95	11	10	273	30	50	22.18676	113.98233	822.86	233.75
14-Mar-18	15:05:11	Transportation boat	Stationary	95	42	30	263	15	30	22.18626	113.98378	746.99	223.50
14-Mar-18	15:06:52	Transportation boat	Travelling	96	9	0	261	3	40	22.18645	113.98433	692.87	221.30
14-Mar-18	15:08:53	Transportation boat	Travelling	97	19	10	282	53	20	22.18878	113.98374	581.10	243.13
14-Mar-18	15:10:48	Transportation boat	Stationary	95	18	40	297	36	50	22.18962	113.98115	803.11	257.85
14-Mar-18	15:11:55	Fishing Boat	Travelling	101	11	40	208	19	40	22.18781	113.98950	377.03	168.57
14-Mar-18	15:12:25	Tug boat	Travelling	99	12	10	298	54	0	22.19036	113.98438	460.58	259.14
14-Mar-18	15:13:41	Tug boat	Travelling	100	2	50	248	59	50	22.18783	113.98678	421.13	209.24
14-Mar-18	15:13:50	Transportation boat	Travelling	93	59	30	300	52	40	22.18965	113.97850	1070.35	261.12
14-Mar-18	15:14:51	Tug boat	Travelling	97	58	0	208	33	30	22.18643	113.98978	533.19	168.80
14-Mar-18	15:20:02	Container Boat	Travelling	93	39	0	223	14	50	22.18062	113.98809	1170.83	183.49
14-Mar-18	15:21:27	Container Boat	Travelling	93	54	0	207	43	50	22.18150	113.99100	1095.30	167.97
15-Mar-18	9:33:07	Zero	Stationary	106	3	50	0	0	0	22.19293	113.98717	258.84	320.24
15-Mar-18	9:35:55	Construction Platform	Stationary	97	24	0	302	4	40	22.19045	113.98325	574.00	262.32
15-Mar-18	9:36:05	Construction Platform	Stationary	97	5	30	303	51	20	22.19058	113.98298	599.24	264.10
15-Mar-18	9:36:13	Construction Platform	Stationary	96	1	50	277	46	30	22.18777	113.98296	705.79	238.02
15-Mar-18	9:36:19	Construction Platform	Stationary	95	52	0	281	8	40	22.18801	113.98259	725.68	241.38
15-Mar-18	9:36:54	Buoy	Stationary	94	26	30	328	6	40	22.19386	113.97992	960.34	288.35
15-Mar-18	9:37:06	Buoy	Stationary	94	19	0	324	2	50	22.19333	113.97947	988.32	284.29
15-Mar-18	9:37:14	Buoy	Stationary	94	14	40	319	57	30	22.19274	113.97916	1005.24	280.20
15-Mar-18	9:37:22	Buoy	Stationary	94	3	20	312	35	50	22.19161	113.97856	1052.34	272.84
15-Mar-18	9:37:35	Buoy	Stationary	94	12	30	300	36	40	22.18969	113.97905	1013.92	260.85
15-Mar-18	9:37:45	Buoy	Stationary	94	29	10	284	0	20	22.18742	113.98046	950.79	244.25
15-Mar-18	9:38:07	Buoy	Stationary	97	3	40	226	25	0	22.18576	113.98810	601.89	186.66
15-Mar-18	9:38:17	Buoy	Stationary	97	10	10	222	36	40	22.18581	113.98849	592.70	182.85
15-Mar-18	9:38:28	Buoy	Stationary	96	59	40	205	45	0	22.18583	113.99021	607.70	165.99
15-Mar-18	9:38:44	Buoy	Stationary	96	43	20	198	9	10	22.18585	113.99104	632.57	158.39
15-Mar-18	9:39:49	Fishing boat	Travelling	101	32	50	220	50	20	22.18786	113.98871	364.93	181.08
15-Mar-18	9:40:04	Fishing boat	Travelling	94	2	40	222	33	0	22.18165	113.98828	1055.31	182.79
15-Mar-18	9:40:19	Fishing boat	Stationary	101	40	10	220	24	0	22.18789	113.98874	360.91	180.64
15-Mar-18	9:42:32	Fishing boat	Travelling	92	53	0	242	52	10	22.17886	113.98312	1483.26	203.11
15-Mar-18	9:43:01	Tug boat	Stationary	94	26	30	285	0	50	22.18752	113.98030	960.47	245.25
15-Mar-18	9:43:20	Transportation boat	Stationary	94	10	50	300	48	40	22.18971	113.97898	1020.82	261.05
15-Mar-18	9:44:23	Fishing boat	Stationary	105	54	10	275	18	50	22.18981	113.98668	261.63	235.55
15-Mar-18	9:46:49	Fishing boat	Travelling	92	5	40	254	56	50	22.17608	113.97731	2047.21	215.19
15-Mar-18	9:47:44	Fishing boat	Stationary	98	25	30	306	36	50	22.19089	113.98389	503.41	266.85
15-Mar-18	9:50:51	Fishing boat	Travelling	91	29	40	262	45	0	22.17216	113.96968	2882.39	222.99
15-Mar-18	9:56:27	Fishing boat	Travelling	96	28	50	244	41	10	22.18578	113.98609	656.64	204.93
15-Mar-18	9:58:20	Fishing boat	Travelling	92	38	50	269	50	0	22.18180	113.97673	1617.00	230.07
15-Mar-18	9:58:42	Fishing boat	Travelling	108	54	0	253	10	50	22.18950	113.98761	217.78	213.42
15-Mar-18	10:11:07	Fishing boat	Travelling	116	21	50	288	19	0	22.19064	113.98742	150.48	248.56
15-Mar-18	10:15:56	Fishing boat	Stationary	105	23	20	314	58	40	22.19136	113.98615	271.01	275.22
15-Mar-18	10:17:47	Speedboat	Travelling	96	45	20	235	33	10	22.18568	113.98711	629.94	195.79
15-Mar-18	10:18:52	Speedboat	Travelling	93	35	20	284	49	20	22.18357	113.98058	1191.03	225.06
15-Mar-18	10:19:08	Fishing boat	Travelling	100	0	40	319	47	40	22.19180	113.98473	422.62	280.03
15-Mar-18	10:19:35	Speedboat	Travelling	92	38	0	272	1	40	22.18218	113.97628	1626.32	232.27
15-Mar-18	10:23:40	Fishing boat	Travelling	101	14	0	295	11	0	22.19029	113.98524	375.66	255.42
15-Mar-18	10:25:34	Fishing boat	Travelling	107	22	10	250	28	40	22.18929	113.98759	238.51	210.72
15-Mar-18	10:26:32	Fishing boat	Travelling	106	1	20	221	33	10	22.18880	113.98870	259.81	181.79
15-Mar-18	10:28:53	Transportation boat	Travelling	94	38	40	292	22	50	22.18867	113.98025	919.17	252.62
15-Mar-18	10:31:08	Speedboat	Travelling	101	21	10	303	15	40	22.19076	113.98519	371.66	263.50
15-Mar-18	10:31:34	Transportation boat	Travelling	96	25	20	260	4	40	22.18659	113.98461	663.15	220.32
15-Mar-18	10:33:22	Speedboat	Travelling	104	14	40	231	8	50	22.18855	113.98821	293.	

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horiz Degrees	Fix Horiz Minutes	Fix Horiz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
15-Mar-18	11:54:16	Tug boat	Travelling	94	41	10	287	49	40	22.18807	113.98055	912.56	248.07
15-Mar-18	11:54:31	Container Boat	Travelling	92	6	30	291	20	20	22.18534	113.98098	2039.08	251.58
15-Mar-18	11:55:54	Tug boat	Travelling	97	4	50	301	27	30	22.19036	113.98259	601.96	261.70
15-Mar-18	11:56:03	Transportation boat	Travelling	94	58	10	295	4	20	22.18918	113.98069	860.26	255.31
15-Mar-18	11:57:14	Tug boat	Stationary	97	26	20	301	40	40	22.19041	113.98327	572.66	261.92
15-Mar-18	11:57:49	Transportation boat	Stationary	94	33	0	295	8	10	22.18900	113.97994	940.12	255.38
15-Mar-18	11:58:43	Container Boat	Travelling	93	17	50	272	30	0	22.18406	113.97872	1299.74	232.74
15-Mar-18	11:59:48	Tug boat	Travelling	98	23	50	291	12	10	22.18969	113.98411	506.50	251.44
15-Mar-18	12:02:00	Tug boat	Travelling	98	32	30	206	8	0	22.18678	113.98992	497.83	166.37
15-Mar-18	12:04:38	Container Boat	Travelling	94	5	20	207	22	50	22.18194	113.99096	1046.95	167.62
15-Mar-18	12:21:07	Speedboat	Travelling	105	34	40	282	2	10	22.19002	113.98647	268.26	242.28
15-Mar-18	12:21:55	Speedboat	Stationary	106	53	10	268	16	40	22.18967	113.98698	246.37	228.52
15-Mar-18	12:27:14	Container Boat	Travelling	92	9	20	269	19	20	22.17949	113.97402	1995.36	229.56
15-Mar-18	12:27:30	Government Boat	Travelling	92	16	20	274	41	50	22.18136	113.97373	1892.03	234.94
15-Mar-18	12:28:44	Fishing boat	Travelling	104	59	50	251	39	0	22.18901	113.98734	279.21	211.89
15-Mar-18	12:29:35	Fishing boat	Travelling	101	27	50	222	29	0	22.18762	113.98861	368.87	182.72
15-Mar-18	12:29:56	Government Boat	Travelling	93	18	20	245	13	20	22.18060	113.98336	1297.30	205.46
15-Mar-18	12:30:10	Fishing boat	Travelling	100	13	10	205	59	50	22.18751	113.98974	414.97	166.24
15-Mar-18	12:30:25	Container Boat	Travelling	92	35	0	251	8	40	22.17837	113.98036	1662.60	211.38
15-Mar-18	12:32:10	Government Boat	Travelling	93	1	50	205	18	30	22.17880	113.99221	1415.81	165.55
15-Mar-18	12:32:30	Container Boat	Travelling	92	39	40	205	18	40	22.17707	113.99269	1613.87	165.55
15-Mar-18	12:41:00	Transportation boat	Travelling	94	35	40	304	2	20	22.19030	113.97977	931.82	264.28
15-Mar-18	12:45:09	Transportation boat	Travelling	97	13	50	282	6	0	22.18867	113.98370	589.94	242.34
15-Mar-18	12:45:57	Transportation boat	Travelling	96	35	10	271	59	10	22.18756	113.98380	648.32	232.23
15-Mar-18	12:47:05	Transportation boat	Travelling	96	55	50	271	10	10	22.18768	113.98410	615.79	231.41
15-Mar-18	12:49:20	Transportation boat	Travelling	95	31	0	286	18	30	22.18836	113.98187	775.23	246.55
15-Mar-18	12:51:03	Transportation boat	Travelling	94	24	0	297	52	10	22.18933	113.97952	973.46	258.11
15-Mar-18	12:52:17	Transportation boat	Stationary	94	16	0	299	53	50	22.18959	113.97916	1004.08	260.14
15-Mar-18	13:11:47	Fishing boat	Travelling	93	8	10	239	49	50	22.17957	113.98421	1369.01	200.07
15-Mar-18	13:14:58	Fishing boat	Travelling	92	34	50	268	15	40	22.18120	113.97665	1665.96	228.50
15-Mar-18	13:17:27	Fishing boat	Travelling	92	3	30	282	5	20	22.18239	113.97077	2092.76	242.33
15-Mar-18	13:30:49	Speedboat	Travelling	97	59	20	239	33	0	22.18662	113.98702	533.79	199.79
15-Mar-18	13:31:19	Transportation boat	Travelling	94	10	30	219	6	30	22.18190	113.98889	1027.10	179.35
15-Mar-18	13:31:32	Speedboat	Travelling	100	42	10	204	55	0	22.18769	113.98976	396.32	165.16
15-Mar-18	13:33:04	Tug boat	Travelling	99	7	30	211	49	50	22.18698	113.98940	466.39	172.07
15-Mar-18	13:33:54	Transportation boat	Travelling	96	7	30	227	50	0	22.18492	113.98782	698.30	188.07
15-Mar-18	13:34:57	Tug boat	Travelling	100	7	40	290	40	10	22.18990	113.98493	419.37	250.91
15-Mar-18	13:35:40	Tug boat	Travelling	98	17	0	301	20	50	22.19046	113.98383	514.60	261.59
15-Mar-18	13:36:43	Tug boat	Stationary	98	14	0	301	50	40	22.19050	113.98379	517.79	262.08
15-Mar-18	13:37:07	Transportation boat	Travelling	101	41	10	252	48	10	22.18841	113.98686	362.18	213.04
15-Mar-18	13:37:25	Tug boat	Travelling	97	50	30	300	46	30	22.19037	113.98356	544.02	261.02
15-Mar-18	13:39:26	Tug boat	Travelling	97	5	10	293	55	10	22.18966	113.98314	602.79	254.16
15-Mar-18	13:39:37	Transportation boat	Travelling	102	23	40	302	11	30	22.19073	113.98549	340.89	262.43
15-Mar-18	13:42:44	Porpoise	Surface	92	59	30	312	38	0	22.19179	113.97483	1436.46	272.87
15-Mar-18	13:44:42	Tug boat	Travelling	97	1	30	306	9	50	22.19080	113.98288	608.16	266.40
15-Mar-18	13:49:43	Porpoise	Surface	93	47	10	313	31	40	22.19181	113.97778	1133.66	273.77
15-Mar-18	13:50:37	Porpoise	Surface	93	35	50	312	5	10	22.19157	113.97719	1193.56	272.33
15-Mar-18	13:53:02	Tug boat	Stationary	101	14	30	308	18	10	22.19105	113.98512	376.98	268.54
15-Mar-18	13:53:14	Transportation boat	Travelling	94	56	20	297	36	40	22.18950	113.98053	867.64	257.85
15-Mar-18	13:57:56	Transportation boat	Travelling	98	48	30	250	17	50	22.18739	113.98639	483.52	210.54
15-Mar-18	13:58:05	Tug boat	Stationary	100	23	40	292	50	0	22.19007	113.98498	408.42	253.07
15-Mar-18	13:59:49	Transportation boat	Travelling	97	49	30	206	0	10	22.18637	113.99004	545.19	166.24
15-Mar-18	14:05:42	Tug boat	Travelling	96	42	10	274	52	20	22.18786	113.98370	637.49	235.11
15-Mar-18	14:06:17	Fishing boat	Travelling	106	42	10	269	42	20	22.18969	113.98692	249.58	229.95
15-Mar-18	14:06:29	Tug boat	Travelling	96	40	30	270	50	50	22.18752	113.98394	640.15	231.09
15-Mar-18	14:07:29	Transportation boat	Travelling	92	26	20	281	20	40	22.18358	113.97370	1763.85	241.58
15-Mar-18	14:09:09	Tug boat	Travelling	98	14	30	288	32	10	22.18945	113.98409	517.10	248.78
15-Mar-18	14:09:24	Fishing boat	Travelling	97	7	30	319	56	0	22.19209	113.98305	599.25	280.17
15-Mar-18	14:10:01	Tug boat	Travelling	98	10	30	307	42	30	22.19097	113.98371	521.36	267.95
15-Mar-18	14:10:13	Fishing boat	Travelling	96	0	10	325	27	0	22.19287	113.98211	712.44	285.69
15-Mar-18	14:10:38	Transportation boat	Travelling	93	51	0	264	2	30	22.18396	113.98122	1114.06	224.28
15-Mar-18	14:11:18	Tug boat	Travelling	99	29	0	302	0	0	22.19059	113.98446	448.32	262.24
15-Mar-18	14:12:08	Tug boat	Travelling	97	28	10	302	31	50	22.19049	113.98327	571.25	262.77
15-Mar-18	14:12:35	Tug boat	Travelling	98	4	20	307	34	20	22.19096	113.98365	528.05	267.81
15-Mar-18	14:13:42	Tug boat	Stationary	98	0	20	307	24	10	22.19095	113.98381	511.25	267.64
15-Mar-18	14:13:58	Transportation boat	Travelling	95	42	20	215	49	30	22.18441	113.98928	749.77	176.07
15-Mar-18	14:34:38	Container Boat	Travelling	94	20	0	255	6	0	22.18388	113.98322	988.35	215.34
15-Mar-18	14:37:31	Container Boat	Travelling	93	0	40	285	27	20	22.18586	113.97615	1425.19	245.70
15-Mar-18	14:41:19	Container Boat	Travelling	91	53	40	302	26	30	22.18853	113.98686	2273.68	262.68
15-Mar-18	14:48:52	Container Boat	Travelling	93	4	10	258	54	40	22.18139	113.98020	1397.42	219.15
15-Mar-18	14:53:18	Container Boat	Travelling	93	13	30	214	24	50	22.17923	113.98998	1329.43	174.65
15-Mar-18	15:00:51	Government Boat	Travelling	92	27	40	262	54	30	22.17968	113.97718	1744.73	223.15
15-Mar-18	15:03:21	Government Boat	Travelling	92	7	40	285	49	30	22.18376	113.97083	2020.40	246.07
15-Mar-18	15:05:47	Government Boat	Travelling	92	2	30	292	41	40	22.18558	113.96921	2106.30	252.93
15-Mar-18	15:16:04	Transportation boat	Travelling	101	4	0	234	56	10	22.18782	113.98781	382.05	195.18
15-Mar-18	15:16:39	Speedboat	Travelling	104	8	20	220	45	30	22.18847	113.98873	296.62	181.00
15-Mar-18	15:17:20	Speedboat	Travelling	101	40	40	204	1	40	22.18801	113.98973	361.52	164.27
15-Mar-18	15:17:32	Transportation boat	Travelling	97	35	10	274	33	0	22.18823	113.98432	561.15	234.79
15-Mar-18	15:19:55	Transportation boat	Stationary	96	46	10	273	11	10	22.18776	113.98386	629.61	233.43
15-Mar-18	15:29:50	Speedboat	Travelling	97	36	40	223	35	0	22.18612	113.98842	559.06	183.82
15-Mar-18	15:30:01	Speedboat	Travelling	98	19	40	211	41	20	22.18659	113.98947	510.32	171.93
15-Mar-18	15:30:09	Speedboat	Travelling	98	40	0	201	26	20	22.18695	113.99027	490.06	161.68
21-Mar-18	9:30:35	Zero	Stationary	127	23	50	0	0	0	22.19181	113.98817	87.22	320.24
21-Mar-18	9:31:30	Construction Platform	Stationary	97	55	40	259	17	30	22.18743	113.98548	533.88	219.53
21-Mar-18	9:31:40	Construction Platform	Stationary	97	55	40	262	52	0	22.18763	113.98523	533.88	223.11
21-Mar-18	9:31:50	Construction Platform	Stationary	98	38	40	278	35	30	22.18886	113.98471	489.00	238.83
21-Mar-18	9:32:01	Construction Platform	Stationary	98	25	50	283	55	0	22.18917	113.98439	501.60	244.16
21-Mar-18	9:32:20	Buoy	Stationary	94	24	50	328	0	40	22.19386	113.97988	963.80	288.25
21-Mar-18	9:32:32	Buoy	Stationary	94	16	40	323	54	0	22.19333	113.97940	994.64	284.14
21-Mar-18	9:32:43	Buoy	Stationary	94	12	40	319	55	10	22.19274	113.97911		

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
21-Mar-18	9:37:57	Container Boat	Travelling	93	45	40	241	58	50	22.18171	113.98462	1131.98	202.22
21-Mar-18	9:41:41	Container Boat	Travelling	93	29	20	208	5	0	22.18038	113.99118	1220.72	168.32
21-Mar-18	9:41:50	Tug boat	Stationary	94	23	50	284	0	50	22.18736	113.98031	967.28	244.25
21-Mar-18	9:43:09	Container Boat	Travelling	93	3	50	198	43	50	22.17945	113.99363	1391.05	158.97
21-Mar-18	10:45:29	Tug boat	Travelling	95	34	30	266	40	0	22.18646	113.98338	760.71	226.91
21-Mar-18	10:47:58	Tug boat	Travelling	97	44	20	223	20	20	22.18623	113.98845	546.21	183.58
21-Mar-18	10:48:43	Tug boat	Travelling	97	41	10	206	51	20	22.18631	113.98997	550.00	167.10
21-Mar-18	10:51:47	Container Boat	Travelling	94	25	10	202	38	20	22.18287	113.99153	960.97	162.88
21-Mar-18	10:51:55	Container Boat	Travelling	92	20	0	274	31	40	22.18165	113.97427	1827.38	234.77
21-Mar-18	10:57:32	Container Boat	Travelling	93	27	20	238	55	0	22.18068	113.98485	1230.59	199.16
21-Mar-18	10:57:38	Container Boat	Travelling	93	13	30	275	51	30	22.18452	113.97814	1319.08	236.10
21-Mar-18	10:57:48	Government Boat	Travelling	92	45	40	285	59	0	22.18554	113.97506	1542.17	246.22
21-Mar-18	11:01:31	Container Boat	Travelling	92	4	40	295	15	10	22.18651	113.96945	2053.86	255.49
21-Mar-18	11:01:45	Container Boat	Travelling	93	18	0	201	2	0	22.18015	113.99280	1288.82	161.27
21-Mar-18	11:01:57	Government Boat	Travelling	92	59	40	291	38	20	22.18716	113.97565	1421.14	251.88
21-Mar-18	11:03:11	Government Boat	Travelling	92	58	0	316	17	0	22.19260	113.97493	1434.49	276.52
21-Mar-18	11:03:46	Government Boat	Travelling	93	1	10	327	58	30	22.19510	113.97577	1409.25	288.22
21-Mar-18	11:06:22	Fishing boat	Stationary	103	35	20	219	14	0	22.18838	113.98881	364.90	179.47
21-Mar-18	11:06:54	Fishing boat	Stationary	101	31	20	206	59	0	22.18795	113.98956	363.91	167.22
21-Mar-18	11:07:29	Container Boat	Travelling	94	39	30	219	53	40	22.18294	113.98876	911.10	180.13
21-Mar-18	11:07:41	Fishing boat	Stationary	101	8	20	205	26	50	22.18785	113.98968	376.77	165.69
21-Mar-18	11:09:56	Container Boat	Travelling	94	18	40	255	13	10	22.18392	113.98322	984.88	215.46
21-Mar-18	11:12:42	Fishing boat	Travelling	104	6	0	220	55	30	22.18848	113.98872	295.29	181.17
21-Mar-18	11:13:53	Fishing boat	Travelling	105	39	50	272	5	30	22.18968	113.98674	264.50	232.33
21-Mar-18	11:14:09	Container Boat	Travelling	92	36	10	288	53	10	22.18589	113.97392	1636.08	249.13
21-Mar-18	11:15:56	Fishing boat	Stationary	97	43	10	315	31	20	22.19163	113.98349	547.28	275.76
21-Mar-18	11:29:37	Fishing boat	Stationary	102	10	10	213	2	0	22.18807	113.98917	343.84	173.27
21-Mar-18	11:32:01	Fishing boat	Travelling	97	49	30	313	9	30	22.19143	113.98354	539.62	273.40
21-Mar-18	11:32:21	Tug boat	Travelling	99	47	50	207	9	0	22.18737	113.98969	429.40	167.39
21-Mar-18	11:32:35	Fishing boat	Stationary	101	0	30	204	36	40	22.18783	113.98975	381.15	164.85
21-Mar-18	11:32:50	Fishing boat	Stationary	97	41	40	315	19	40	22.19162	113.98347	548.88	275.57
21-Mar-18	11:34:16	Tug boat	Travelling	98	59	40	267	37	50	22.18831	113.98540	468.45	227.87
21-Mar-18	11:35:12	Tug boat	Stationary	98	4	20	260	10	20	22.18756	113.98548	522.83	220.41
21-Mar-18	11:36:18	Tug boat	Travelling	98	1	0	262	53	0	22.18768	113.98528	526.50	223.12
21-Mar-18	11:36:34	Container Boat	Travelling	93	56	0	209	59	0	22.18157	113.99056	1079.44	170.22
21-Mar-18	11:39:05	Tug boat	Travelling	94	27	40	288	58	10	22.18810	113.98014	950.99	249.21
21-Mar-18	11:40:02	Tug boat	Stationary	94	27	10	284	34	20	22.18749	113.98040	952.76	244.81
21-Mar-18	11:40:12	Container Boat	Travelling	93	41	20	262	53	20	22.18358	113.98113	1151.29	223.13
21-Mar-18	11:42:48	Sail boat	Travelling	92	7	30	262	2	40	22.17778	113.97566	2006.03	222.28
21-Mar-18	11:44:04	Fishing boat	Travelling	97	39	0	314	38	50	22.19156	113.98343	552.01	274.89
21-Mar-18	11:44:26	Fishing boat	Stationary	97	41	30	314	58	20	22.19159	113.98346	548.98	275.21
21-Mar-18	11:44:38	Container Boat	Travelling	92	6	40	294	28	40	22.18635	113.96984	2019.49	254.72
21-Mar-18	11:48:54	Sail boat	Travelling	92	45	0	222	27	0	22.17723	113.98807	1547.38	182.69
21-Mar-18	11:51:18	Sail boat	Travelling	92	27	50	202	21	40	22.17629	113.99380	1728.60	162.60
21-Mar-18	11:55:20	Fishing boat	Travelling	97	38	10	314	50	0	22.19158	113.98342	553.32	275.07
21-Mar-18	11:55:44	Fishing boat	Stationary	97	40	0	315	9	0	22.19160	113.98345	551.10	275.39
21-Mar-18	11:56:59	Transportation boat	Travelling	95	10	0	324	5	0	22.19297	113.98105	820.82	284.32
21-Mar-18	11:59:28	Transportation boat	Travelling	99	4	10	291	1	20	22.18980	113.98450	464.78	251.26
21-Mar-18	12:00:40	Transportation boat	Stationary	98	40	50	276	8	20	22.18872	113.98484	485.98	236.38
21-Mar-18	12:02:00	Transportation boat	Travelling	99	24	40	277	23	30	22.18898	113.98510	447.66	237.63
21-Mar-18	12:04:44	Transportation boat	Travelling	99	4	50	211	45	20	22.18700	113.98941	464.31	172.00
21-Mar-18	12:16:47	Fishing boat	Travelling	92	24	0	285	45	50	22.18463	113.97300	1777.07	246.00
21-Mar-18	12:16:56	Fishing boat	Travelling	91	54	10	298	29	40	22.18719	113.96737	2246.41	258.73
21-Mar-18	12:20:51	Fishing boat	Travelling	93	0	30	253	45	30	22.18058	113.98108	1415.79	214.00
21-Mar-18	12:21:00	Fishing boat	Travelling	92	48	40	274	46	40	22.18332	113.97671	1515.77	235.02
21-Mar-18	12:26:24	Fishing boat	Travelling	93	21	10	206	23	50	22.18002	113.99163	1269.85	166.64
21-Mar-18	12:26:40	Fishing boat	Travelling	94	46	40	204	17	40	22.18343	113.99108	899.30	164.53
21-Mar-18	12:35:48	Container Boat	Travelling	93	45	40	212	45	20	22.18103	113.99012	1131.75	173.00
21-Mar-18	12:37:44	Transportation boat	Travelling	92	58	20	220	51	40	22.17823	113.98851	1434.21	181.10
21-Mar-18	12:38:49	Transportation boat	Travelling	93	39	40	204	13	20	22.18106	113.99181	1163.00	164.46
21-Mar-18	12:39:16	Transportation boat	Travelling	93	53	30	195	6	40	22.18219	113.99321	1093.75	155.35
21-Mar-18	12:39:56	Container Boat	Travelling	93	42	20	257	42	0	22.18298	113.98191	1149.03	217.94
21-Mar-18	12:44:47	Container Boat	Travelling	92	20	50	288	59	50	22.18533	113.97224	1819.71	249.24
21-Mar-18	12:48:44	Transportation boat	Travelling	99	4	0	231	36	50	22.18703	113.98785	465.98	191.85
21-Mar-18	12:50:21	Transportation boat	Travelling	98	45	20	276	57	30	22.18878	113.98483	482.86	237.20
21-Mar-18	12:51:38	Fishing boat	Travelling	97	51	10	313	64	50	22.18149	113.98355	539.26	274.15
21-Mar-18	12:52:01	Transportation boat	Stationary	98	34	40	278	22	20	22.18883	113.98469	493.06	238.61
21-Mar-18	12:55:51	Fishing boat	Travelling	93	2	20	221	41	0	22.17851	113.98832	1403.73	181.92
21-Mar-18	12:57:43	Transportation boat	Travelling	99	33	30	215	27	20	22.18717	113.98910	441.77	175.70
21-Mar-18	12:57:59	Fishing boat	Travelling	93	35	0	203	34	30	22.18086	113.99200	1189.44	163.82
21-Mar-18	12:59:46	Fishing boat	Stationary	97	35	30	314	0	50	22.19151	113.98337	558.26	274.25
21-Mar-18	13:00:42	Transportation boat	Travelling	99	5	40	287	1	30	22.18952	113.98461	464.79	247.27
21-Mar-18	13:02:47	Container Boat	Travelling	93	43	20	206	6	0	22.18113	113.99141	1145.06	166.34
21-Mar-18	13:04:07	Transportation boat	Travelling	94	51	40	328	11	30	22.19363	113.98071	875.47	288.43
21-Mar-18	13:05:42	Fishing boat	Travelling	92	56	0	261	24	0	22.18135	113.97938	1455.22	221.64
21-Mar-18	13:08:57	Fishing boat	Travelling	94	48	40	226	28	20	22.18323	113.98777	884.82	186.71
21-Mar-18	13:09:08	Container Boat	Travelling	93	30	30	265	24	10	22.18349	113.98033	1215.63	225.64
21-Mar-18	13:10:11	Fishing boat	Travelling	95	24	10	203	55	10	22.18432	113.99087	787.35	164.16
21-Mar-18	13:11:43	Tug boat	Travelling	96	15	40	276	45	50	22.18781	113.98325	678.65	237.00
21-Mar-18	13:15:12	Container Boat	Travelling	92	5	0	292	22	0	22.18561	113.96972	2055.28	252.61
21-Mar-18	13:16:01	Tug boat	Stationary	98	2	40	281	6	40	22.18758	113.98540	526.83	221.35
21-Mar-18	13:17:36	Tug boat	Travelling	98	56	30	258	48	40	22.18783	113.98588	473.23	219.05
21-Mar-18	13:18:58	Container Boat	Travelling	93	6	20	209	39	30	22.17896	113.99112	1374.88	169.90
21-Mar-18	13:24:07	Container Boat	Travelling	93	20	20	249	14	0	22.18112	113.98266	1278.56	209.47
21-Mar-18	13:24:32	Tug boat	Travelling	99	25	50	237	50	10	22.18730	113.98743	448.42	198.08
21-Mar-18	13:28:34	Container Boat	Travelling	92	33	30	276	5	10	22.18280	113.97526	1671.82	236.33
21-Mar-18	13:28:48	Tug boat	Stationary	100	30	30	214	8	30	22.18777	113.98735	401.60	201.38
21-Mar-18	13:31:11	Fishing boat	Travelling	106	32	40	278	14	0	22.18996	113.98670	250.77	238.47
21-Mar-18	13:32:09	Fishing boat	Travelling	105	53	20	228	14	40	22.18881	113.98840	261.72	188.48
21-Mar-18	13:41:31	Fishing boat	Stationary	103	37	50	218	16	0	22.18837	113.98886	307.36	178.51
21-Mar-18	13:43:45	Tug boat	Travelling	97	39	50	252	33	10				

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
21-Mar-18	13:51:39	Transportation boat	Stationary	96	20	0	230	9	40	22.18911	113.98262	672.08	250.40
21-Mar-18	13:51:51	Tug boat	Travelling	97	11	0	257	50	10	22.18695	113.98523	591.80	218.08
21-Mar-18	13:56:44	Transportation boat	Travelling	94	39	50	284	3	40	22.18757	113.98077	914.94	244.30
21-Mar-18	13:56:57	Tug boat	Stationary	96	38	10	262	44	40	22.18692	113.98453	641.28	222.98
21-Mar-18	13:58:50	Transportation boat	Stationary	94	36	40	283	42	40	22.18748	113.98070	925.57	243.95
21-Mar-18	14:01:13	Tug boat	Travelling	98	16	50	241	28	10	22.18685	113.98693	512.66	201.71
21-Mar-18	14:02:07	Construction Platform	Travelling	98	45	20	233	11	40	22.18690	113.98768	484.45	193.43
21-Mar-18	14:02:18	Construction Platform	Travelling	99	0	10	234	24	10	22.18704	113.98762	470.93	194.64
21-Mar-18	14:03:18	Fishing boat	Stationary	103	38	20	219	51	30	22.18837	113.98877	307.47	180.10
21-Mar-18	14:04:01	Tug boat	Stationary	98	52	10	218	57	0	22.18684	113.98884	478.17	179.19
21-Mar-18	14:04:22	Construction Platform	Stationary	98	38	20	222	10	10	22.18672	113.98858	491.15	182.41
21-Mar-18	14:04:31	Construction Platform	Stationary	98	40	40	225	36	10	22.18676	113.98829	488.92	185.84
21-Mar-18	14:09:08	Tug boat	Travelling	97	57	30	224	14	0	22.18635	113.98837	533.91	184.47
21-Mar-18	14:10:34	Tug boat	Stationary	98	29	50	231	46	10	22.18674	113.98777	499.61	192.01
21-Mar-18	14:14:34	Tug boat	Travelling	100	21	20	217	5	10	22.18747	113.98896	408.52	177.33
21-Mar-18	14:16:22	Tug boat	Stationary	98	40	10	235	16	0	22.18689	113.98751	489.66	195.51
21-Mar-18	14:16:55	Fishing boat	Stationary	102	45	10	307	26	30	22.19102	113.98557	323.84	267.68
21-Mar-18	14:19:30	Fishing boat	Travelling	111	43	30	290	50	0	22.19059	113.98708	187.36	251.07
21-Mar-18	14:21:27	Tug boat	Travelling	99	53	40	247	32	10	22.18773	113.98684	428.11	207.78
21-Mar-18	14:24:03	Tug boat	Stationary	100	41	40	260	38	50	22.18845	113.98626	395.45	220.89
21-Mar-18	14:34:40	Fishing boat	Travelling	104	19	0	275	10	10	22.18964	113.98644	292.75	235.41
21-Mar-18	14:36:29	Tug boat	Stationary	99	55	40	236	52	0	22.18747	113.98756	426.94	197.11
21-Mar-18	14:37:02	Fishing boat	Stationary	97	43	0	314	24	50	22.19154	113.98343	551.56	274.65
21-Mar-18	14:38:41	Tug boat	Travelling	100	42	20	247	30	20	22.18799	113.98699	395.29	207.75
21-Mar-18	14:39:40	Tug boat	Travelling	101	28	50	235	17	20	22.18795	113.98782	367.96	195.53
21-Mar-18	14:42:35	Tug boat	Travelling	100	16	30	237	23	20	22.18760	113.98756	412.32	197.63
21-Mar-18	14:43:52	Tug boat	Stationary	99	43	20	241	0	10	22.18748	113.98724	436.30	201.24
21-Mar-18	14:44:52	Tug boat	Travelling	100	6	0	213	8	10	22.18739	113.98925	419.72	173.38
21-Mar-18	14:48:47	Tug boat	Travelling	99	13	20	233	58	0	22.18712	113.98768	460.51	194.21
21-Mar-18	14:50:39	Tug boat	Travelling	97	38	40	246	7	0	22.18665	113.98637	557.19	206.36
21-Mar-18	14:54:28	Fishing boat	Travelling	98	5	0	310	58	0	22.19124	113.98366	526.63	271.21
21-Mar-18	14:56:30	Tug boat	Stationary	94	25	0	282	8	50	22.18710	113.98043	969.12	242.39
21-Mar-18	15:03:50	Fishing boat	Travelling	104	47	0	282	4	50	22.18995	113.98634	283.48	242.32
21-Mar-18	15:04:54	Fishing boat	Travelling	105	17	20	226	40	10	22.18859	113.98845	273.68	186.91
21-Mar-18	15:15:18	Fishing boat	Travelling	103	39	40	221	13	30	22.18937	113.98870	307.96	181.47
21-Mar-18	15:15:42	Fishing boat	Stationary	103	37	0	220	14	40	22.18836	113.98875	309.01	180.48
21-Mar-18	15:23:33	Fishing boat	Travelling	103	31	20	220	32	0	22.18834	113.98874	311.37	180.77
21-Mar-18	15:24:08	Fishing boat	Stationary	103	53	50	221	24	50	22.18842	113.98869	302.65	181.65
21-Mar-18	15:25:06	Construction Platform	Stationary	99	33	10	236	49	20	22.18731	113.98751	445.03	197.06
21-Mar-18	15:25:16	Construction Platform	Stationary	99	39	40	240	42	30	22.18744	113.98725	439.94	200.95
21-Mar-18	15:25:32	Construction Platform	Stationary	98	11	20	278	17	0	22.18869	113.98446	520.49	238.52
21-Mar-18	15:25:42	Construction Platform	Stationary	97	55	50	283	1	40	22.18896	113.98411	537.69	243.27
22-Mar-18	9:18:29	Zero	Stationary	130	54	20	0	0	0	22.19173	113.98824	86.05	320.24
22-Mar-18	9:24:33	Construction Platform	Stationary	99	36	50	236	42	20	22.18735	113.98753	440.13	196.95
22-Mar-18	9:24:40	Construction Platform	Stationary	99	27	50	240	54	20	22.18739	113.98721	447.24	201.15
22-Mar-18	9:24:56	Construction Platform	Stationary	98	10	0	272	40	0	22.18832	113.98475	519.54	232.91
22-Mar-18	9:25:07	Construction Platform	Stationary	97	58	20	277	40	30	22.18859	113.98439	532.38	237.92
22-Mar-18	9:25:26	Buoy	Stationary	94	23	30	328	7	40	22.19389	113.97982	971.48	288.37
22-Mar-18	9:25:32	Buoy	Stationary	94	16	40	323	59	10	22.19334	113.97938	997.50	284.23
22-Mar-18	9:25:39	Buoy	Stationary	94	12	10	319	57	30	22.19276	113.97906	1015.40	280.20
22-Mar-18	9:25:47	Buoy	Stationary	94	0	30	312	36	50	22.19182	113.97844	1084.94	272.85
22-Mar-18	9:25:55	Buoy	Stationary	94	11	0	300	22	40	22.18964	113.97900	1020.14	260.62
22-Mar-18	9:26:07	Buoy	Stationary	94	26	40	283	46	30	22.18735	113.98039	959.85	244.02
22-Mar-18	9:26:19	Buoy	Stationary	97	4	10	226	54	40	22.18577	113.98805	601.23	187.15
22-Mar-18	9:26:27	Buoy	Stationary	97	8	30	222	52	30	22.18579	113.98846	595.08	183.12
22-Mar-18	9:26:36	Buoy	Stationary	96	58	50	206	14	20	22.18581	113.99016	608.96	166.48
22-Mar-18	9:26:45	Buoy	Stationary	96	44	0	198	29	0	22.18584	113.99101	631.55	158.72
22-Mar-18	9:27:00	Tug boat	Stationary	99	51	20	237	41	10	22.18746	113.98749	429.09	197.93
22-Mar-18	9:37:02	Tug boat	Travelling	100	20	20	235	49	10	22.18761	113.98768	408.47	196.06
22-Mar-18	9:38:03	Tug boat	Travelling	99	0	30	211	8	40	22.18696	113.98946	470.05	171.38
22-Mar-18	9:38:30	Tug boat	Travelling	98	6	20	197	51	50	22.18677	113.99067	523.26	158.10
22-Mar-18	9:39:26	Fishing boat	Travelling	92	2	10	249	41	40	22.17472	113.97857	2105.27	209.93
22-Mar-18	9:40:04	Container Boat	Travelling	91	26	30	289	44	20	22.18193	113.96149	2987.91	249.98
22-Mar-18	9:40:18	Container Boat	Travelling	91	7	40	297	41	50	22.18391	113.95225	3843.09	257.94
22-Mar-18	9:44:28	Fishing boat	Travelling	93	23	10	227	50	10	22.17990	113.98706	1280.99	188.08
22-Mar-18	9:47:07	Fishing boat	Travelling	94	32	0	203	58	30	22.18300	113.99126	940.22	164.22
22-Mar-18	9:47:22	Container Boat	Travelling	92	22	10	264	42	50	22.17964	113.97638	1806.10	224.95
22-Mar-18	9:47:36	Container Boat	Travelling	91	32	10	287	53	10	22.18175	113.96352	2800.20	248.13
22-Mar-18	9:51:30	Fishing boat	Travelling	97	46	30	309	55	20	22.19115	113.98348	545.56	270.16
22-Mar-18	9:53:04	Fishing boat	Stationary	98	52	20	304	27	40	22.19074	113.98416	477.13	264.70
22-Mar-18	9:55:16	Container Boat	Travelling	92	45	20	205	56	40	22.17759	113.99238	1550.89	166.18
22-Mar-18	9:55:25	Container Boat	Travelling	92	18	40	266	53	20	22.17980	113.97559	1851.54	227.13
22-Mar-18	10:05:25	Container Boat	Travelling	92	57	10	209	18	10	22.17834	113.99133	1446.14	169.54
22-Mar-18	10:16:49	Fishing boat	Stationary	98	54	10	305	25	40	22.19082	113.98417	475.07	265.67
22-Mar-18	10:17:41	Fishing boat	Stationary	110	37	0	226	25	0	22.18937	113.98856	197.76	186.66
22-Mar-18	10:20:13	Container Boat	Travelling	91	13	20	290	44	30	22.18078	113.95632	3532.68	250.98
22-Mar-18	10:20:53	Transportation boat	Travelling	102	7	10	225	35	10	22.18804	113.98844	346.46	185.83
22-Mar-18	10:22:08	Transportation boat	Travelling	98	39	0	275	51	30	22.18868	113.98483	489.09	236.10
22-Mar-18	10:22:42	Transportation boat	Stationary	97	50	50	275	55	20	22.18843	113.98442	539.87	236.16
22-Mar-18	10:23:23	Transportation boat	Travelling	98	7	10	279	37	40	22.18878	113.98439	512.52	239.87
22-Mar-18	10:24:18	Transportation boat	Travelling	99	22	30	287	40	30	22.18961	113.98472	450.81	247.92
22-Mar-18	10:24:41	Fishing boat	Travelling	99	53	30	297	41	20	22.19034	113.98472	426.82	257.93
22-Mar-18	10:26:01	Transportation boat	Travelling	95	21	0	321	40	50	22.19282	113.98122	794.73	281.82
22-Mar-18	10:26:25	Fishing boat	Travelling	103	59	40	268	34	40	22.18937	113.98659	298.45	228.82
22-Mar-18	10:26:46	Container Boat	Travelling	91	57	40	269	49	20	22.17853	113.97251	2182.95	230.06
22-Mar-18	10:27:36	Oil Tanker	Travelling	94	9	40	240	47	20	22.18254	113.98521	1023.37	201.03
22-Mar-18	10:28:37	Fishing boat	Travelling	103	24	0	212	49	30	22.18835	113.98914	312.20	173.07
22-Mar-18	10:28:55	Transportation boat	Travelling	94	41	40	326	43	30	22.19352	113.98035	906.41	286.97
22-Mar-18	10:29:48	Oil Tanker	Travelling	92	42	40	267	27	40	22.18160	113.97746	1574.54	227.70
22-Mar-18	10:30:08	Transportation boat	Stationary	94	13	50	323	33	20	22.19330	113.97928	1006.38	283.80
22-Mar													

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
22-Mar-18	11:14:17	Fishing boat	Stationary	97	54	30	311	42	30	22.19130	113.98358	534.66	271.95
22-Mar-18	11:18:49	Tug boat	Travelling	96	29	50	269	44	0	22.18736	113.98392	652.13	229.97
22-Mar-18	11:21:49	Tug boat	Stationary	96	58	50	279	9	50	22.18836	113.98370	606.47	239.40
22-Mar-18	11:40:35	Transportation boat	Travelling	94	59	20	317	35	0	22.19218	113.98059	850.40	277.82
22-Mar-18	11:43:18	Fishing boat	Travelling	93	41	40	214	26	10	22.18083	113.98982	1150.30	174.68
22-Mar-18	11:43:36	Transportation boat	Stationary	96	49	50	302	3	10	22.19039	113.98281	619.45	262.29
22-Mar-18	11:44:40	Transportation boat	Travelling	97	1	30	297	40	50	22.19000	113.98306	602.10	257.92
22-Mar-18	11:46:02	Transportation boat	Travelling	97	27	20	279	5	30	22.18854	113.98404	566.92	239.33
22-Mar-18	11:46:23	Fishing boat	Travelling	92	24	10	236	19	20	22.17584	113.98387	1773.29	196.56
22-Mar-18	11:46:35	Transportation boat	Travelling	97	41	10	279	33	30	22.18865	113.98416	549.69	239.80
22-Mar-18	11:48:13	Transportation boat	Travelling	102	22	0	213	41	10	22.18811	113.98913	338.27	173.93
22-Mar-18	11:58:07	Fishing boat	Travelling	102	26	50	290	41	30	22.19015	113.98569	335.89	250.93
22-Mar-18	11:59:55	Fishing boat	Stationary	104	6	0	219	59	20	22.18848	113.98877	295.14	180.23
22-Mar-18	12:13:08	Fishing boat	Stationary	103	10	0	220	6	50	22.18829	113.98876	316.76	180.35
22-Mar-18	12:13:38	Container Boat	Travelling	93	35	0	236	26	30	22.18092	113.98547	1184.94	196.68
22-Mar-18	12:17:00	Container Boat	Travelling	93	34	40	203	40	30	22.18088	113.99197	1186.97	163.92
22-Mar-18	12:22:47	Tug boat	Travelling	96	41	0	208	52	30	22.18555	113.98894	632.84	169.12
22-Mar-18	12:23:59	Fishing boat	Travelling	102	59	20	225	5	30	22.18826	113.98849	321.40	185.33
22-Mar-18	12:24:15	Tug boat	Travelling	96	44	0	209	19	0	22.18558	113.98988	628.13	169.56
22-Mar-18	12:25:22	Tug boat	Travelling	96	49	50	209	9	40	22.18566	113.98988	619.13	169.40
22-Mar-18	12:25:52	Fishing boat	Travelling	101	9	10	290	0	50	22.19000	113.98534	376.08	250.25
22-Mar-18	12:26:58	Tug boat	Travelling	96	52	10	220	15	40	22.18560	113.98873	615.63	180.50
22-Mar-18	12:27:12	Fishing boat	Stationary	97	51	0	311	28	40	22.19128	113.98355	537.89	271.72
22-Mar-18	12:29:57	Tug boat	Stationary	97	6	40	222	55	50	22.18580	113.98846	594.57	183.17
22-Mar-18	12:30:39	Speedboat	Travelling	92	9	20	299	51	50	22.18808	113.96984	1978.15	260.10
22-Mar-18	12:32:45	Speedboat	Travelling	95	54	50	302	41	40	22.19035	113.98187	716.28	262.93
22-Mar-18	12:33:45	Fishing boat	Travelling	100	38	30	298	2	20	22.19042	113.98602	394.74	258.28
22-Mar-18	12:34:56	Fishing boat	Stationary	116	11	10	283	40	0	22.19054	113.98746	150.81	243.91
22-Mar-18	12:35:07	Speedboat	Stationary	105	26	40	307	29	40	22.19104	113.98617	268.46	267.73
22-Mar-18	12:35:48	Fishing boat	Travelling	99	57	0	321	5	10	22.19189	113.98475	422.85	281.33
22-Mar-18	12:42:48	Fishing boat	Travelling	101	26	10	301	26	30	22.19066	113.98525	366.79	261.68
22-Mar-18	12:42:59	Fishing boat	Travelling	98	0	10	312	9	40	22.19134	113.98365	527.85	272.40
22-Mar-18	12:43:33	Fishing boat	Stationary	97	54	30	312	43	50	22.19139	113.98359	534.25	272.97
22-Mar-18	12:43:49	Fishing boat	Travelling	104	35	40	232	26	40	22.18864	113.98817	284.96	192.68
22-Mar-18	12:44:19	Fishing boat	Travelling	102	0	50	209	41	40	22.18905	113.98937	348.68	169.93
22-Mar-18	12:53:41	Fishing boat	Stationary	116	42	20	291	26	50	22.19072	113.98742	147.54	251.69
22-Mar-18	12:54:10	Speedboat	Stationary	103	1	30	315	39	30	22.19144	113.98568	320.90	275.90
22-Mar-18	12:56:28	Tug boat	Travelling	101	58	30	220	29	30	22.18799	113.98873	350.03	180.73
22-Mar-18	12:57:02	Tug boat	Travelling	102	15	50	245	47	20	22.18838	113.98732	341.54	206.03
22-Mar-18	12:58:10	Tug boat	Travelling	99	50	50	238	41	50	22.18750	113.98743	427.77	198.94
22-Mar-18	12:58:41	Tug boat	Stationary	99	46	0	237	36	0	22.18744	113.98749	431.38	197.84
22-Mar-18	13:02:23	Speedboat	Travelling	108	29	20	273	56	30	22.18997	113.98703	222.07	234.18
22-Mar-18	13:02:42	Speedboat	Travelling	105	48	30	236	37	30	22.18888	113.98804	262.28	196.87
22-Mar-18	13:03:07	Speedboat	Travelling	101	22	10	204	31	20	22.18793	113.98972	369.33	164.76
22-Mar-18	13:03:18	Tug boat	Travelling	96	44	50	228	32	10	22.18555	113.98785	627.89	188.78
22-Mar-18	13:05:29	Construction Platform	Travelling	99	21	20	232	58	30	22.18719	113.98778	450.84	193.22
22-Mar-18	13:05:39	Construction Platform	Travelling	99	21	20	236	30	40	22.18725	113.98751	450.85	196.75
22-Mar-18	13:05:56	Tug boat	Travelling	99	29	40	232	45	0	22.18724	113.98781	444.13	192.99
22-Mar-18	13:06:07	Tug boat	Travelling	95	18	0	279	15	0	22.18748	113.98207	801.08	239.49
22-Mar-18	13:09:47	Tug boat	Stationary	94	10	40	319	35	40	22.19270	113.97903	1017.95	279.83
22-Mar-18	13:10:37	Construction Platform	Travelling	92	2	20	225	21	50	22.18696	113.98933	467.03	185.60
22-Mar-18	13:10:43	Construction Platform	Travelling	98	59	0	228	45	30	22.18696	113.98906	469.97	189.00
22-Mar-18	13:10:52	Tug boat	Travelling	99	7	20	225	33	30	22.18700	113.98832	462.69	185.80
22-Mar-18	13:17:44	Construction Platform	Stationary	99	32	10	238	4	20	22.18736	113.98743	442.38	198.31
22-Mar-18	13:17:51	Construction Platform	Stationary	99	26	0	241	49	30	22.18741	113.98714	447.30	202.07
22-Mar-18	13:18:01	Tug boat	Stationary	99	46	10	239	4	30	22.18747	113.98739	431.62	199.32
22-Mar-18	13:24:06	Tug boat	Travelling	99	31	0	235	17	10	22.18729	113.98762	443.43	195.53
22-Mar-18	13:26:17	Container Boat	Travelling	92	56	40	266	56	50	22.18228	113.97845	1448.28	227.19
22-Mar-18	13:27:07	Tug boat	Travelling	99	6	50	236	20	20	22.18714	113.98749	463.45	196.58
22-Mar-18	13:31:10	Container Boat	Travelling	95	56	40	203	56	50	22.18495	113.99067	714.38	164.19
22-Mar-18	13:31:31	Tug boat	Stationary	97	27	20	231	48	30	22.18614	113.98762	568.31	192.05
22-Mar-18	13:31:43	Fishing boat	Travelling	104	25	50	286	44	20	22.19012	113.98619	288.94	246.98
22-Mar-18	13:33:15	Fishing boat	Travelling	105	9	0	224	53	40	22.18868	113.98854	274.63	185.13
22-Mar-18	13:34:12	Fishing boat	Stationary	103	44	0	220	9	30	22.18840	113.98876	304.27	180.40
22-Mar-18	13:34:26	Tug boat	Travelling	97	24	50	246	53	20	22.18656	113.98624	571.81	207.13
22-Mar-18	13:35:56	Tug boat	Travelling	96	58	10	255	37	0	22.18670	113.98531	608.53	215.86
22-Mar-18	13:38:30	Tug boat	Travelling	98	34	30	249	30	40	22.18727	113.98642	493.32	209.40
22-Mar-18	13:39:01	Tug boat	Travelling	100	13	20	246	43	40	22.18783	113.98696	412.48	206.97
22-Mar-18	13:40:37	Fishing boat	Travelling	113	27	0	281	15	40	22.19040	113.98731	171.46	241.50
22-Mar-18	13:42:32	Fishing boat	Travelling	107	29	20	222	33	40	22.18902	113.98867	236.08	182.80
22-Mar-18	13:42:39	Fishing boat	Stationary	101	33	30	212	22	50	22.18789	113.98923	363.75	172.62
22-Mar-18	13:42:47	Tug boat	Travelling	99	35	40	258	41	50	22.18806	113.98609	440.12	218.94
22-Mar-18	13:44:11	Tug boat	Travelling	98	37	0	275	16	10	22.18664	113.98484	491.01	235.51
22-Mar-18	13:47:19	Tug boat	Travelling	99	41	40	265	33	50	22.18841	113.98574	435.58	225.80
22-Mar-18	13:53:11	Tug boat	Travelling	99	51	40	259	48	10	22.18819	113.98610	428.18	220.04
22-Mar-18	13:55:10	Fishing boat	Travelling	105	50	0	253	32	30	22.18918	113.98736	262.44	213.78
22-Mar-18	13:55:57	Fishing boat	Travelling	104	28	20	226	7	20	22.18856	113.98847	288.38	186.36
22-Mar-18	13:56:12	Fishing boat	Travelling	102	23	0	208	25	10	22.18815	113.98943	339.02	166.66
22-Mar-18	13:56:34	Tug boat	Travelling	99	2	50	249	26	10	22.18748	113.98653	467.52	209.68
22-Mar-18	13:57:56	Tug boat	Stationary	99	1	0	249	2	20	22.18746	113.98655	469.16	209.28
22-Mar-18	14:03:19	Tug boat	Travelling	99	44	0	232	21	20	22.18733	113.98786	434.10	192.60
22-Mar-18	14:03:51	Fishing boat	Travelling	115	37	30	285	24	30	22.19056	113.98740	155.22	245.65
22-Mar-18	14:03:59	Tug boat	Travelling	97	54	30	225	55	10	22.18634	113.98822	536.12	186.16
22-Mar-18	14:06:43	Tug boat	Stationary	98	23	40	250	17	50	22.18723	113.98629	504.71	210.54
22-Mar-18	14:07:01	Fishing boat	Stationary	113	22	40	288	30	20	22.19058	113.98722	172.26	248.75
22-Mar-18	14:07:21	Tug boat	Travelling	98	41	20	247	29	20	22.18726	113.98657	487.36	207.73
22-Mar-18	14:08:37	Tug boat	Travelling	96	49	0	254	17	50	22.18652	113.98534	623.20	214.54
22-Mar-18	14:11:15	Tug boat	Travelling	94	24	0	284	48	0	22.18746	113.98024	968.83	245.04
22-Mar-18	14:12:34	Fishing boat	Travelling	107	42	50	283	7	10	22.19020	113.98675	233.19	243.36
22-Mar-18	14:13:14	Tug boat	Stationary	94	25</								

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
22-Mar-18	14:44:30	Tug boat	Travelling	97	22	0	283	18	40	22.18883	113.98376	577.07	243.55
22-Mar-18	14:47:06	Tug boat	Travelling	96	42	40	290	32	10	22.18926	113.98296	634.15	250.78
22-Mar-18	14:47:25	Construction Platform	Travelling	97	19	20	286	36	30	22.18908	113.98359	580.69	246.85
22-Mar-18	14:47:31	Construction Platform	Travelling	96	56	30	290	21	40	22.18931	113.98316	612.89	250.60
22-Mar-18	14:49:55	Tug boat	Travelling	95	55	30	292	5	20	22.18917	113.98212	719.20	252.33
22-Mar-18	14:50:07	Construction Platform	Stationary	97	23	10	284	26	50	22.18892	113.98372	575.67	244.69
22-Mar-18	14:50:15	Construction Platform	Stationary	97	6	20	287	57	30	22.18914	113.98338	598.67	248.20
22-Mar-18	14:51:07	Tug boat	Stationary	95	51	10	289	25	50	22.18886	113.98214	728.18	249.67
22-Mar-18	14:59:11	Container Boat	Travelling	94	43	50	232	6	50	22.18320	113.98690	902.60	192.35
22-Mar-18	15:02:46	Container Boat	Travelling	93	2	40	278	55	50	22.18465	113.97704	1406.30	239.17
22-Mar-18	15:02:57	Tug boat	Travelling	95	52	50	280	29	0	22.18795	113.98263	725.08	240.72
22-Mar-18	15:05:11	Tug boat	Travelling	96	6	50	275	23	30	22.18760	113.98318	697.25	235.63
22-Mar-18	15:05:21	Container Boat	Travelling	92	9	30	294	36	20	22.18646	113.97012	1988.93	254.85
28-Mar-18	9:39:00	Zero	Stationary	102	52	20	0	0	0	22.19340	113.98675	326.58	320.24
28-Mar-18	9:40:24	Construction Platform	Stationary	111	15	20	280	50	30	22.19030	113.98715	191.85	241.08
28-Mar-18	9:40:45	Construction Platform	Stationary	110	36	30	288	56	30	22.19050	113.98697	198.46	249.18
28-Mar-18	9:41:32	Construction Platform	Stationary	97	28	10	260	4	30	22.18723	113.98520	569.38	220.32
28-Mar-18	9:41:42	Construction Platform	Stationary	97	1	20	263	30	0	22.18720	113.98471	606.07	223.74
28-Mar-18	9:42:01	Buoy	Stationary	94	25	50	328	9	30	22.19388	113.97989	964.08	288.40
28-Mar-18	9:42:09	Buoy	Stationary	94	18	0	324	12	0	22.19337	113.97943	993.53	284.44
28-Mar-18	9:42:17	Buoy	Stationary	94	13	20	320	3	10	22.19277	113.97910	1011.94	280.29
28-Mar-18	9:42:25	Buoy	Stationary	94	1	50	312	34	30	22.19161	113.97848	1060.35	272.82
28-Mar-18	9:42:35	Buoy	Stationary	94	11	40	300	34	40	22.18968	113.97900	1018.69	260.82
28-Mar-18	9:42:45	Buoy	Stationary	94	28	50	284	8	10	22.18743	113.98042	953.27	244.38
28-Mar-18	9:42:56	Buoy	Stationary	97	6	0	226	37	50	22.18578	113.98608	599.37	186.87
28-Mar-18	9:43:05	Buoy	Stationary	97	11	20	222	42	20	22.18582	113.98648	591.88	182.95
28-Mar-18	9:43:17	Buoy	Stationary	97	1	20	206	6	30	22.18584	113.99017	606.09	166.35
28-Mar-18	9:43:31	Buoy	Stationary	96	44	10	198	16	40	22.18585	113.99103	632.11	158.52
28-Mar-18	9:43:50	Tug boat	Travelling	105	27	10	286	24	40	22.19018	113.98637	269.99	246.65
28-Mar-18	9:48:08	Tug boat	Stationary	101	6	30	310	43	10	22.19120	113.98508	380.18	270.96
28-Mar-18	9:54:07	Tug boat	Travelling	102	53	40	291	16	20	22.19021	113.98577	326.08	251.51
28-Mar-18	9:58:17	Tug boat	Stationary	110	54	40	287	55	20	22.19048	113.98702	195.37	248.16
28-Mar-18	9:59:17	Fishing boat	Travelling	99	48	10	218	32	30	22.18725	113.98687	432.12	178.78
28-Mar-18	10:01:23	Container Boat	Travelling	94	15	0	235	26	30	22.18243	113.98614	1005.61	195.68
28-Mar-18	10:01:34	Fishing boat	Travelling	100	9	20	239	29	20	22.18761	113.98741	416.82	199.73
28-Mar-18	10:02:51	Fishing boat	Travelling	104	44	10	277	4	10	22.18976	113.98646	283.85	237.31
28-Mar-18	10:03:01	Container Boat	Travelling	95	22	50	214	7	30	22.18404	113.98953	793.14	174.37
28-Mar-18	10:03:24	Fishing boat	Travelling	103	49	0	280	24	40	22.18980	113.98621	303.58	240.65
28-Mar-18	10:03:38	Container Boat	Travelling	95	41	30	203	30	50	22.18466	113.99082	749.47	163.75
28-Mar-18	10:05:17	Fishing boat	Stationary	99	33	0	280	27	50	22.18918	113.98502	443.84	240.70
28-Mar-18	10:06:32	Fishing boat	Travelling	100	24	10	269	23	20	22.18877	113.98577	406.73	229.63
28-Mar-18	10:08:22	Fishing boat	Travelling	103	5	50	219	25	20	22.18825	113.98880	320.93	179.66
28-Mar-18	10:10:31	Fishing boat	Stationary	99	42	20	210	27	40	22.18726	113.98946	436.62	170.70
28-Mar-18	10:18:53	Fishing boat	Travelling	99	37	40	225	18	20	22.18720	113.98836	440.28	185.55
28-Mar-18	10:20:35	Fishing boat	Stationary	104	48	30	269	40	50	22.18950	113.98668	282.49	229.92
28-Mar-18	10:27:08	Container Boat	Travelling	94	7	50	218	47	10	22.18182	113.98895	1035.31	179.03
28-Mar-18	10:30:08	Container Boat	Travelling	93	2	0	250	47	50	22.18025	113.98170	1412.37	211.04
28-Mar-18	10:32:50	Container Boat	Travelling	92	8	20	262	7	0	22.17778	113.97563	2008.31	222.36
28-Mar-18	10:33:02	Fishing boat	Travelling	99	38	20	290	4	0	22.18980	113.98475	439.87	250.31
28-Mar-18	10:34:37	Fishing boat	Stationary	97	46	30	311	40	40	22.19130	113.98346	547.21	271.92
28-Mar-18	10:42:48	Fishing boat	Travelling	98	0	50	310	24	10	22.19119	113.98362	530.76	270.64
28-Mar-18	10:42:58	Container Boat	Travelling	93	39	20	251	44	30	22.18220	113.98275	1170.95	211.98
28-Mar-18	10:43:57	Fishing boat	Stationary	97	45	50	313	6	0	22.19143	113.98346	548.09	273.34
28-Mar-18	10:44:46	Container Boat	Travelling	93	9	40	225	3	20	22.17899	113.98756	1355.27	185.30
28-Mar-18	10:44:53	Container Boat	Travelling	94	2	20	231	50	0	22.18182	113.98662	1059.26	192.07
28-Mar-18	10:47:25	Container Boat	Travelling	93	38	20	205	5	10	22.18090	113.99167	1176.43	165.33
28-Mar-18	10:47:34	Container Boat	Travelling	93	7	10	252	7	30	22.18070	113.98163	1373.55	212.37
28-Mar-18	10:51:52	Container Boat	Travelling	92	12	30	280	5	30	22.18247	113.97235	1945.20	240.33
28-Mar-18	10:53:24	Fishing boat	Travelling	98	11	50	309	40	50	22.19113	113.98374	518.81	269.92
28-Mar-18	10:54:58	Fishing boat	Stationary	97	36	50	314	1	20	22.19151	113.98336	559.13	274.26
28-Mar-18	11:04:44	Fishing boat	Travelling	102	37	20	293	29	0	22.19030	113.98566	333.75	253.72
28-Mar-18	11:06:20	Fishing boat	Travelling	104	53	50	225	19	0	22.18862	113.98851	280.94	185.55
28-Mar-18	11:08:10	Fishing boat	Stationary	103	15	0	220	5	0	22.18828	113.98876	317.42	180.32
28-Mar-18	11:20:10	Fishing boat	Stationary	103	37	30	221	1	50	22.18836	113.98871	308.42	181.27
28-Mar-18	11:40:52	Government Boat	Travelling	97	47	0	242	50	30	22.18661	113.98669	547.22	203.08
28-Mar-18	11:42:23	Government Boat	Stationary	98	12	10	253	34	40	22.18726	113.98597	518.88	213.82
28-Mar-18	11:44:54	Government Boat	Travelling	97	39	50	254	22	0	22.18702	113.98571	555.90	214.61
28-Mar-18	11:46:53	Government Boat	Stationary	96	30	20	282	23	0	22.18842	113.98312	656.09	242.62
28-Mar-18	11:47:36	Government Boat	Travelling	95	58	30	291	37	20	22.18914	113.98217	714.90	251.86
28-Mar-18	11:49:15	Government Boat	Travelling	93	38	20	323	40	50	22.19369	113.97767	1177.65	283.92
28-Mar-18	11:53:02	Transportation boat	Travelling	99	47	30	235	12	40	22.18738	113.98766	433.45	195.45
28-Mar-18	11:55:17	Transportation boat	Travelling	99	5	50	256	45	0	22.18778	113.98605	467.20	216.99
28-Mar-18	11:56:42	Fishing boat	Travelling	104	8	30	262	36	20	22.18918	113.98662	296.88	222.85
28-Mar-18	11:56:51	Transportation boat	Travelling	106	48	10	282	53	0	22.19013	113.98663	247.70	243.12
28-Mar-18	11:57:44	Transportation boat	Stationary	109	0	20	292	16	30	22.19055	113.98676	217.17	252.52
28-Mar-18	11:58:46	Fishing boat	Stationary	97	37	40	315	27	50	22.19164	113.98337	558.70	275.70
28-Mar-18	12:00:06	Transportation boat	Travelling	105	13	20	280	15	50	22.18992	113.98645	274.91	240.50
28-Mar-18	12:03:30	Transportation boat	Travelling	97	55	10	204	58	20	22.18646	113.99011	537.90	165.21
28-Mar-18	12:08:17	Fishing boat	Travelling	97	38	10	313	5	10	22.19143	113.98336	558.17	273.33
28-Mar-18	12:11:16	Fishing boat	Stationary	98	7	50	310	21	0	22.19119	113.98369	523.81	270.59
28-Mar-18	12:11:34	Fishing boat	Travelling	94	37	50	243	14	40	22.18351	113.98520	924.51	203.48
28-Mar-18	12:13:24	Fishing boat	Travelling	95	40	50	215	35	50	22.18438	113.98931	752.58	175.84
28-Mar-18	12:14:17	Fishing boat	Travelling	96	1	10	199	24	20	22.18515	113.99118	709.89	159.65
28-Mar-18	12:16:17	Fishing boat	Travelling	98	2	10	310	26	20	22.19120	113.98363	530.10	270.68
28-Mar-18	12:16:46	Fishing boat	Stationary	97	42	10	314	10	40	22.19152	113.98342	553.35	274.42
28-Mar-18	12:25:18	Fishing boat	Travelling	98	1	30	311	13	0	22.19126	113.98362	530.92	271.46
28-Mar-18	12:25:38	Container Boat	Travelling	92	28	30	269	53	10	22.18112	113.97582	1736.72	230.13
28-Mar-18	12:26:37	Fishing boat	Stationary	98	9	20	312	51	10	22.19139	113.98371	522.32	273.09
28-Mar-18	12:30:33	Container Boat	Travelling	93	3	30	233	8	10	22.17885	113.98562	1403.58	193.38
28-Mar-18	12:30:44	Fishing boat	Travelling	101	17	40	301	43	20	22.19067	113.98517	374.77	261.96
28-Mar-18													

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horiz Degrees	Fix Horiz Minutes	Fix Horiz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
28-Mar-18	13:29:12	Fishing boat	Travelling	103	19	40	216	30	0	22.18631	113.98895	315.41	176.74
28-Mar-18	13:29:21	Fishing boat	Travelling	102	24	30	236	1	20	22.18617	113.98956	339.62	166.26
28-Mar-18	13:55:16	Fishing boat	Travelling	94	6	0	254	16	50	22.19341	113.99304	1042.68	214.52
28-Mar-18	13:57:01	Fishing boat	Travelling	95	13	20	228	38	10	22.18387	113.98755	817.34	188.88
28-Mar-18	13:58:19	Fishing boat	Travelling	95	43	40	203	25	50	22.18471	113.99081	744.66	163.67
28-Mar-18	14:04:10	Fishing boat	Travelling	95	9	20	256	51	0	22.18520	113.98393	827.80	217.09
28-Mar-18	14:04:32	Container Boat	Travelling	94	22	0	241	28	40	22.18296	113.98526	978.37	201.72
28-Mar-18	14:06:31	Fishing boat	Travelling	98	40	30	226	6	30	22.18676	113.98825	489.26	186.35
28-Mar-18	14:06:45	Container Boat	Travelling	93	30	20	266	12	50	22.18357	113.98018	1220.14	226.45
28-Mar-18	14:07:20	Fishing boat	Travelling	99	40	50	206	50	10	22.18730	113.98973	437.57	167.08
28-Mar-18	14:09:31	Container Boat	Travelling	92	31	10	284	11	0	22.18453	113.97387	1701.10	244.42
28-Mar-18	14:16:07	Container Boat	Travelling	94	3	40	251	10	0	22.18306	113.98345	1052.06	211.41
28-Mar-18	14:18:25	Container Boat	Travelling	94	35	0	223	51	40	22.18278	113.98813	931.46	184.10
28-Mar-18	14:20:14	Container Boat	Travelling	94	20	0	201	3	40	22.18274	113.99185	985.48	161.30
28-Mar-18	14:36:42	Tug boat	Travelling	96	36	40	235	49	30	22.18557	113.98705	643.61	196.07
28-Mar-18	14:37:54	Tug boat	Travelling	97	11	20	255	59	40	22.18685	113.98538	591.33	216.23
28-Mar-18	14:38:53	Tug boat	Travelling	97	36	20	260	6	10	22.18731	113.98526	558.55	220.34
28-Mar-18	14:39:44	Tug boat	Stationary	97	51	40	254	52	20	22.18716	113.98576	540.14	215.11
28-Mar-18	14:42:50	Tug boat	Travelling	96	48	30	256	21	30	22.18663	113.98516	624.66	216.60
28-Mar-18	14:44:43	Construction Platform	Travelling	96	52	20	253	35	50	22.18651	113.98543	618.76	213.84
28-Mar-18	14:44:58	Construction Platform	Travelling	96	48	30	255	4	20	22.18655	113.98527	624.62	215.31
28-Mar-18	14:46:45	Construction Platform	Stationary	97	44	30	254	17	20	22.18707	113.98576	548.47	214.53
28-Mar-18	14:46:56	Construction Platform	Stationary	97	18	40	256	42	30	22.18696	113.98538	581.18	216.95
28-Mar-18	14:47:08	Tug boat	Stationary	96	8	10	250	0	0	22.18575	113.98538	693.69	210.24
28-Mar-18	14:48:56	Tug boat	Travelling	96	54	10	260	15	50	22.18692	113.98489	615.91	220.50
28-Mar-18	14:50:28	Tug boat	Travelling	99	5	10	268	52	30	22.18839	113.98535	466.14	229.12
28-Mar-18	14:52:32	Tug boat	Stationary	99	25	50	276	10	10	22.18890	113.98514	448.79	236.41
28-Mar-18	14:54:15	Tug boat	Travelling	102	39	20	266	10	30	22.18908	113.98644	331.92	226.42
28-Mar-18	14:55:18	Tug boat	Travelling	102	53	40	250	24	40	22.18862	113.98716	325.55	210.65
28-Mar-18	14:56:04	Construction Platform	Travelling	102	7	50	254	5	20	22.18856	113.98668	346.74	214.33
28-Mar-18	14:56:13	Construction Platform	Travelling	101	39	50	260	27	50	22.18868	113.98649	361.03	220.70
28-Mar-18	14:59:27	Tug boat	Travelling	104	48	20	233	27	0	22.18867	113.98813	281.92	193.69
28-Mar-18	14:59:50	Construction Platform	Travelling	102	25	30	237	41	50	22.18824	113.98777	338.23	197.94
28-Mar-18	15:00:01	Construction Platform	Travelling	101	32	30	245	55	20	22.18828	113.98725	354.38	206.16
28-Mar-18	15:02:58	Tug boat	Travelling	102	29	30	244	17	50	22.18839	113.98742	336.33	204.54
28-Mar-18	15:03:24	Government Boat	Travelling	95	43	40	237	29	20	22.18477	113.98558	743.20	197.73
28-Mar-18	15:06:00	Government Boat	Travelling	92	55	20	274	52	0	22.18361	113.97712	1462.65	235.11
28-Mar-18	15:06:14	Tug boat	Travelling	97	57	20	240	23	10	22.18665	113.98695	533.22	200.63
28-Mar-18	15:06:53	Construction Platform	Travelling	98	18	50	242	15	30	22.18690	113.98688	509.91	202.50
28-Mar-18	15:07:05	Construction Platform	Travelling	98	15	40	246	50	50	22.18703	113.98651	513.21	207.09
28-Mar-18	15:11:11	Tug boat	Travelling	97	41	50	226	31	0	22.18621	113.98815	551.27	186.76
28-Mar-18	15:11:30	Construction Platform	Travelling	98	40	30	232	44	10	22.18686	113.98771	488.30	192.98
28-Mar-18	15:11:47	Construction Platform	Travelling	98	19	50	238	2	30	22.18679	113.98723	508.80	198.28
28-Mar-18	15:15:54	Tug boat	Stationary	98	19	50	235	40	20	22.18674	113.98742	508.74	195.91
28-Mar-18	15:16:19	Construction Platform	Stationary	98	56	30	250	2	50	22.18746	113.98646	473.43	210.29
28-Mar-18	15:16:28	Construction Platform	Stationary	98	33	40	254	10	30	22.18747	113.98606	494.82	214.42
28-Mar-18	15:19:45	Tug boat	Travelling	97	30	40	254	25	40	22.18696	113.98565	564.96	214.67
28-Mar-18	15:22:54	Tug boat	Travelling	107	25	0	283	25	0	22.19019	113.98671	237.37	243.66
28-Mar-18	15:23:14	Construction Platform	Travelling	109	32	40	271	19	0	22.18997	113.98718	209.75	231.56
28-Mar-18	15:23:26	Construction Platform	Travelling	108	26	50	276	50	0	22.19005	113.98698	223.22	237.07
28-Mar-18	15:25:08	Tug boat	Travelling	104	53	50	283	4	40	22.19001	113.98635	270.89	243.32
28-Mar-18	15:25:21	Tug boat	Travelling	97	12	10	268	52	0	22.18767	113.98445	589.34	229.11
28-Mar-18	15:25:55	Construction Platform	Travelling	105	35	50	283	33	20	22.19008	113.98645	266.72	243.80
28-Mar-18	15:26:11	Construction Platform	Travelling	104	21	30	292	34	0	22.19037	113.98608	290.87	252.81
28-Mar-18	15:27:13	Tug boat	Travelling	99	29	30	260	10	20	22.18809	113.98597	445.37	220.41
28-Mar-18	15:28:11	Tug boat	Travelling	99	26	0	252	56	0	22.18776	113.98639	448.17	213.17
28-Mar-18	15:28:27	Tug boat	Travelling	98	24	30	310	50	0	22.19122	113.98388	503.77	217.07
28-Mar-18	15:28:53	Construction Platform	Travelling	98	53	50	310	49	30	22.19122	113.98416	475.66	271.07
28-Mar-18	15:29:03	Construction Platform	Travelling	98	16	20	313	55	40	22.19147	113.98381	512.17	274.17
28-Mar-18	15:29:25	Tug boat	Travelling	97	20	0	256	27	50	22.18696	113.98542	578.65	216.70
28-Mar-18	15:30:29	Tug boat	Travelling	96	36	50	223	4	20	22.18535	113.98842	643.93	183.31
28-Mar-18	15:31:08	Tug boat	Travelling	96	17	0	202	58	0	22.18531	113.99068	676.39	163.21
28-Mar-18	15:31:26	Tug boat	Travelling	96	20	30	317	42	20	22.19197	113.98233	670.11	277.95
28-Mar-18	15:31:45	Construction Platform	Travelling	97	44	40	315	6	50	22.19160	113.98348	547.53	275.35
28-Mar-18	15:31:52	Construction Platform	Travelling	97	24	30	316	5	40	22.19171	113.98325	572.68	276.33
28-Mar-18	15:35:02	Construction Platform	Stationary	98	11	50	313	43	0	22.19148	113.98377	516.83	273.96
28-Mar-18	15:35:10	Construction Platform	Stationary	97	47	0	314	43	30	22.19156	113.98350	544.70	274.97
28-Mar-18	15:35:27	Tug boat	Travelling	97	23	40	322	19	40	22.19226	113.98334	573.71	282.57
28-Mar-18	15:37:48	Tug boat	Travelling	96	55	50	324	21	10	22.19253	113.98302	612.51	284.59
29-Mar-18	9:28:13	Zero	Stationary	134	53	50	0	0	0	22.19166	113.98831	74.74	320.24
29-Mar-18	9:35:29	Construction Platform	Stationary	99	15	20	314	47	50	22.19150	113.98435	457.22	275.04
29-Mar-18	9:35:40	Construction Platform	Stationary	98	45	50	316	27	30	22.19165	113.98411	483.32	276.70
29-Mar-18	9:35:53	Construction Platform	Stationary	99	26	30	247	9	0	22.18756	113.98677	448.05	207.39
29-Mar-18	9:36:06	Construction Platform	Stationary	98	56	40	251	56	30	22.18753	113.98633	473.41	212.18
29-Mar-18	9:36:24	Buoy	Stationary	94	25	10	327	59	40	22.19386	113.97987	964.80	288.23
29-Mar-18	9:36:39	Buoy	Stationary	94	17	30	323	55	50	22.19333	113.97941	993.71	284.17
29-Mar-18	9:36:46	Buoy	Stationary	94	12	40	319	57	10	22.19275	113.97909	1012.83	280.19
29-Mar-18	9:36:55	Buoy	Stationary	94	1	20	312	26	50	22.19159	113.97848	1060.68	272.69
29-Mar-18	9:37:06	Buoy	Stationary	94	11	10	300	27	50	22.18966	113.97900	1018.93	260.70
29-Mar-18	9:37:18	Buoy	Stationary	94	27	10	284	4	0	22.18740	113.98039	957.56	244.31
29-Mar-18	9:37:32	Buoy	Stationary	97	3	30	226	31	20	22.18576	113.98009	601.89	186.76
29-Mar-18	9:37:39	Buoy	Stationary	97	9	0	222	40	30	22.18580	113.98848	594.09	182.92
29-Mar-18	9:37:47	Buoy	Stationary	97	0	30	206	2	40	22.18584	113.99017	606.23	166.28
29-Mar-18	9:37:56	Buoy	Stationary	96	43	10	198	13	0	22.18584	113.99104	632.58	158.46
29-Mar-18	9:38:18	Tug boat	Stationary	98	57	40	312	51	30	22.19137	113.98419	472.55	273.10
29-Mar-18	9:39:16	Fishing boat	Travelling	94	46	10	244	37	0	22.18384	113.98513	893.66	204.86
29-Mar-18	9:39:36	Fishing boat	Travelling	94	4	20	255	35	20	22.18349	113.98282	1047.67	215.83
29-Mar-18	9:40:06	Fishing boat	Travelling	93	10	40	266	6	30	22.18279	113.97932	1344.46	226.35
29-Mar-18	9:43:52	Fishing boat	Travelling	102	29	40	229	42	0	22.18816	113.98821	336.29	189.94
29-Mar-18	9:45:12	Fishing boat	Travelling	107	10	40	271	10	50	22.18979	113.98695	241.06	231.42
29-Mar-18	9												

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert	Fix Vert	Fix Vert	Fix Horiz	Fix Horiz	Fix Horiz	Fix Latitude	Fix Longitude	Distance	Bearing
				Degrees	Minutes	Seconds	Degrees	Minutes	Seconds				
29-Mar-18	10:15:39	Transportation boat	Travelling	99	1	10	315	21	20	22.19155	113.98425	468.20	275.80
29-Mar-18	10:16:28	Transportation boat	Stationary	99	1	50	315	27	50	22.19156	113.98424	469.38	275.70
29-Mar-18	10:27:36	Transportation boat	Travelling	98	53	30	317	20	10	22.19170	113.98418	477.00	277.58
29-Mar-18	10:27:43	Tug boat	Travelling	98	30	10	313	21	20	22.19142	113.98394	499.17	273.60
29-Mar-18	10:28:28	Transportation boat	Travelling	99	8	0	316	25	40	22.19162	113.98430	464.17	276.67
29-Mar-18	10:30:22	Tug boat	Travelling	98	4	10	309	16	50	22.19110	113.98366	526.42	269.52
29-Mar-18	10:30:29	Transportation boat	Travelling	100	49	50	271	39	20	22.18897	113.98579	390.07	231.90
29-Mar-18	10:31:31	Tug boat	Travelling	100	11	50	305	4	0	22.19083	113.98476	414.89	265.31
29-Mar-18	10:31:39	Transportation boat	Stationary	99	20	20	252	28	40	22.18770	113.98639	453.82	212.72
29-Mar-18	10:32:27	Fishing boat	Travelling	112	21	40	236	24	10	22.18957	113.98827	181.39	196.64
29-Mar-18	10:32:56	Tug boat	Travelling	98	59	30	318	51	10	22.19181	113.98425	471.68	279.09
29-Mar-18	10:34:22	Tug boat	Travelling	98	20	50	314	25	40	22.19151	113.98385	508.72	274.67
29-Mar-18	10:35:22	Fishing boat	Travelling	118	13	10	293	8	30	22.19078	113.98748	139.06	253.38
29-Mar-18	10:36:44	Tug boat	Travelling	113	13	10	299	52	20	22.19087	113.98711	173.96	260.11
29-Mar-18	10:37:38	Transportation boat	Travelling	99	26	0	251	37	0	22.18770	113.98647	449.27	211.86
29-Mar-18	10:38:07	Tug boat	Travelling	112	21	30	296	59	20	22.19078	113.98706	181.45	257.23
29-Mar-18	10:38:36	Fishing boat	Travelling	107	5	10	309	57	20	22.19115	113.98642	242.82	270.20
29-Mar-18	10:38:56	Transportation boat	Travelling	100	2	20	224	6	50	22.18736	113.98847	421.66	184.35
29-Mar-18	10:39:41	Tug boat	Travelling	107	31	40	302	33	10	22.19087	113.98650	236.32	262.79
29-Mar-18	10:39:48	Transportation boat	Travelling	98	47	0	204	43	40	22.18694	113.99000	483.15	164.97
29-Mar-18	10:40:12	Tug boat	Travelling	100	2	20	305	52	0	22.19088	113.98469	421.68	266.11
29-Mar-18	10:40:44	Tug boat	Travelling	99	18	20	313	20	0	22.19139	113.98436	455.60	273.57
29-Mar-18	10:41:26	Fishing boat	Travelling	104	36	10	222	30	20	22.18856	113.98864	286.50	182.75
29-Mar-18	10:41:37	Tug boat	Stationary	98	56	40	314	57	0	22.19152	113.98419	474.33	275.19
29-Mar-18	10:42:08	Fishing boat	Travelling	101	30	20	203	48	20	22.18797	113.98976	366.73	164.05
29-Mar-18	10:43:36	Transportation boat	Travelling	93	22	50	324	35	50	22.19406	113.97689	1265.74	284.84
29-Mar-18	10:43:50	Tug boat	Travelling	99	4	20	310	17	20	22.19118	113.98423	467.57	270.53
29-Mar-18	10:46:54	Transportation boat	Travelling	94	42	50	274	44	0	22.18646	113.98157	906.07	234.97
29-Mar-18	10:47:04	Tug boat	Stationary	98	36	50	300	30	10	22.19043	113.98405	492.92	260.74
29-Mar-18	10:49:25	Transportation boat	Travelling	96	17	40	223	14	50	22.18506	113.98838	677.14	183.49
29-Mar-18	10:50:05	Transportation boat	Travelling	96	19	40	205	1	40	22.18528	113.99044	673.56	165.27
29-Mar-18	11:07:55	Tug boat	Travelling	97	41	50	304	59	30	22.19073	113.98342	552.84	265.23
29-Mar-18	11:09:16	Tug boat	Travelling	97	19	40	310	17	0	22.19119	113.98313	581.09	270.52
29-Mar-18	11:11:53	Tug boat	Stationary	96	50	30	313	47	0	22.19153	113.98274	622.89	274.02
29-Mar-18	11:28:05	Construction Platform	Travelling	100	1	40	305	28	50	22.19085	113.98468	422.75	265.72
29-Mar-18	11:28:15	Construction Platform	Travelling	99	23	50	307	22	50	22.19097	113.98439	451.70	267.62
29-Mar-18	11:28:48	Tug boat	Travelling	97	49	50	304	58	50	22.19073	113.98351	543.64	265.22
29-Mar-18	11:32:50	Tug boat	Stationary	98	48	50	305	16	50	22.19080	113.98411	482.20	265.52
29-Mar-18	11:34:03	Construction Platform	Stationary	99	37	0	306	8	0	22.19089	113.98450	441.28	266.37
29-Mar-18	11:34:12	Construction Platform	Stationary	99	12	40	308	30	30	22.19105	113.98430	461.08	268.75
29-Mar-18	11:34:37	Fishing boat	Travelling	107	47	0	289	43	0	22.19042	113.98665	233.08	249.96
29-Mar-18	11:35:00	Fishing boat	Travelling	107	51	20	276	18	50	22.18999	113.98690	232.08	236.55
29-Mar-18	11:35:16	Tug boat	Travelling	98	47	50	310	24	30	22.19119	113.98408	483.17	270.65
29-Mar-18	11:36:26	Research vessel	Travelling	93	0	20	314	14	50	22.19214	113.97495	1428.88	274.49
29-Mar-18	11:38:21	Tug boat	Travelling	97	23	50	303	53	40	22.19061	113.98321	576.06	264.13
29-Mar-18	11:38:34	Construction Platform	Travelling	98	15	0	305	22	20	22.19078	113.98378	515.78	265.61
29-Mar-18	11:38:41	Construction Platform	Travelling	98	26	20	307	1	10	22.19092	113.98388	504.07	267.26
29-Mar-18	11:39:39	Fishing boat	Travelling	105	51	30	259	38	20	22.18932	113.98714	263.21	219.88
29-Mar-18	11:41:06	Research vessel	Travelling	92	29	50	277	8	30	22.18280	113.97470	1719.72	237.38
29-Mar-18	11:41:54	Fishing boat	Travelling	97	16	0	316	42	40	22.19178	113.98312	598.60	276.95
29-Mar-18	11:42:08	Research vessel	Travelling	92	16	0	274	1	10	22.18117	113.97382	1896.18	234.28
29-Mar-18	11:43:04	Tug boat	Travelling	93	47	30	298	46	20	22.18938	113.97796	1129.76	260.01
29-Mar-18	11:43:17	Construction Platform	Travelling	90	20	20	296	42	30	22.18894	113.97853	1082.70	256.95
29-Mar-18	11:43:23	Construction Platform	Travelling	93	53	0	298	34	40	22.18921	113.97826	1102.95	258.82
29-Mar-18	11:43:50	Research vessel	Travelling	91	53	30	279	30	40	22.18082	113.96967	2276.31	239.75
29-Mar-18	11:48:38	Tug boat	Travelling	92	59	0	332	2	20	22.19604	113.97584	1438.09	292.28
29-Mar-18	11:48:53	Construction Platform	Travelling	93	2	30	329	39	50	22.19546	113.97589	1410.36	289.90
29-Mar-18	11:48:58	Construction Platform	Travelling	93	0	20	331	7	0	22.19582	113.97586	1427.41	291.36
29-Mar-18	11:49:50	Speedboat	Travelling	92	20	20	301	50	10	22.18886	113.97109	1837.56	262.08
29-Mar-18	11:51:47	Speedboat	Travelling	95	23	30	313	1	0	22.19154	113.98108	792.98	273.26
29-Mar-18	11:52:23	Speedboat	Travelling	97	28	20	312	33	40	22.19139	113.98324	570.45	272.80
29-Mar-18	11:53:38	Speedboat	Travelling	98	48	10	322	0	30	22.19206	113.98419	483.12	282.25
29-Mar-18	11:55:46	Speedboat	Travelling	100	37	30	316	30	30	22.19156	113.98493	398.80	276.75
29-Mar-18	11:56:46	Speedboat	Travelling	100	37	30	313	40	0	22.19138	113.98491	398.81	273.91
29-Mar-18	11:59:13	Speedboat	Travelling	104	13	20	303	24	20	22.19084	113.98593	295.19	263.65
29-Mar-18	12:05:36	Speedboat	Stationary	108	17	30	295	34	40	22.19064	113.98664	228.37	255.82
29-Mar-18	12:13:31	Speedboat	Travelling	102	42	20	307	8	10	22.19100	113.98555	331.98	267.38
29-Mar-18	12:13:54	Speedboat	Travelling	101	51	30	311	42	20	22.19125	113.98532	356.48	271.95
29-Mar-18	12:14:26	Speedboat	Stationary	101	33	10	311	51	30	22.19126	113.98522	366.19	272.10
29-Mar-18	12:16:55	Speedboat	Travelling	99	37	40	317	47	20	22.19169	113.98453	441.32	278.03
29-Mar-18	12:17:36	Speedboat	Travelling	97	37	0	324	24	30	22.19241	113.98351	559.91	284.65
29-Mar-18	12:59:17	Government Boat	Travelling	92	14	50	278	5	30	22.18208	113.97292	1917.10	238.33
29-Mar-18	13:01:30	Government Boat	Travelling	94	7	30	247	52	0	22.18288	113.98401	1040.37	208.11
29-Mar-18	13:02:45	Government Boat	Travelling	95	16	40	208	18	0	22.18398	113.99035	811.91	168.54
29-Mar-18	13:21:19	Container Boat	Travelling	93	18	10	288	21	30	22.18686	113.97700	1301.77	248.60
29-Mar-18	13:23:47	Container Boat	Travelling	95	20	0	254	13	0	22.18517	113.98436	803.89	214.46
29-Mar-18	13:25:16	Container Boat	Travelling	95	48	0	218	56	20	22.18449	113.98888	738.77	179.18
29-Mar-18	13:38:15	Container Boat	Travelling	93	9	50	271	59	30	22.18364	113.97833	1359.55	232.23
29-Mar-18	13:41:18	Container Boat	Travelling	93	52	40	245	10	0	22.18213	113.98416	1107.85	205.41
29-Mar-18	13:44:19	Container Boat	Travelling	93	54	50	212	7	40	22.18135	113.99019	1097.45	172.37
29-Mar-18	14:02:36	Fishing boat	Travelling	94	6	0	245	39	30	22.18267	113.98433	1048.64	205.90
29-Mar-18	14:04:18	Fishing boat	Travelling	95	4	20	220	11	30	22.18354	113.98372	844.87	180.43
29-Mar-18	14:05:11	Fishing boat	Travelling	95	24	50	203	18	50	22.18431	113.99005	791.16	163.55
29-Mar-18	14:10:40	Fishing boat	Travelling	103	22	20	290	32	30	22.19021	113.98589	315.17	250.78
29-Mar-18	14:10:58	Fishing boat	Travelling	107	20	20	256	10	10	22.18940	113.98739	239.97	216.41
29-Mar-18	14:14:01	Fishing boat	Stationary	103	42	0	219	28	20	22.18837	113.98879	307.31	179.71
29-Mar-18	14:18:27	Fishing boat	Travelling	93	6	50	238	4	20	22.17935	113.98457	1379.45	198.31
29-Mar-18	14:21:08	Fishing boat	Travelling	93	54	40	209	36	10	22.18142	113.99066	1096.73	169.84
29-Mar-18	14:21:45	Fishing boat	Travelling	93	57	50	201	27	10	22.18189	113.99208	1082.02	161.69
29-Mar-18													

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horiz Degrees	Fix Horiz Minutes	Fix Horiz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
29-Mar-18	14:54:01	Fishing boat	Travelling	93	14	20	211	47	40	22.17934	113.99056	1324.14	172.03
29-Mar-18	14:55:16	Fishing boat	Travelling	93	24	20	205	4	10	22.18018	113.99188	1258.92	165.34
29-Mar-18	15:04:36	Government Boat	Travelling	94	8	40	240	29	10	22.18244	113.98522	1032.97	200.73
29-Mar-18	15:07:28	Government Boat	Travelling	93	31	40	282	1	10	22.18605	113.97833	1214.51	242.26
29-Mar-18	15:08:43	Speedboat	Travelling	93	13	40	263	17	40	22.18247	113.97989	1328.00	223.53
29-Mar-18	15:09:59	Speedboat	Travelling	96	1	0	275	59	40	22.18759	113.98304	709.60	236.23
29-Mar-18	15:10:31	Speedboat	Travelling	99	29	10	274	44	10	22.18883	113.98522	447.44	234.98
29-Mar-18	15:11:21	Speedboat	Travelling	103	41	30	224	52	20	22.18839	113.98851	306.85	185.11
29-Mar-18	15:11:33	Government Boat	Travelling	92	33	50	323	58	40	22.19484	113.97300	1674.17	284.22
29-Mar-18	15:24:33	Fishing boat	Travelling	92	45	40	230	13	0	22.17739	113.98604	1553.03	190.46
29-Mar-18	15:25:40	Fishing boat	Travelling	93	2	30	223	59	50	22.17849	113.98777	1408.86	184.24
29-Mar-18	15:27:53	Fishing boat	Travelling	93	44	50	208	45	30	22.18105	113.99090	1142.13	169.00
11-Apr-18	9:43:26	Zero	Stationary	104	35	0	0	0	10	22.19312	113.98700	286.71	320.24
11-Apr-18	9:51:04	Construction Platform	Stationary	94	59	40	303	41	40	22.19033	113.98052	854.22	263.93
11-Apr-18	9:51:15	Construction Platform	Stationary	94	58	40	306	58	20	22.19076	113.98046	857.10	267.21
11-Apr-18	9:51:39	Construction Platform	Stationary	100	36	30	227	37	40	22.18759	113.98825	398.34	187.87
11-Apr-18	9:51:51	Construction Platform	Stationary	100	23	40	234	12	50	22.18759	113.98779	406.73	194.45
11-Apr-18	9:52:20	Buoy	Stationary	94	25	50	327	58	10	22.19385	113.97988	963.68	298.21
11-Apr-18	9:52:26	Buoy	Stationary	94	18	10	323	59	40	22.19333	113.97943	992.47	284.23
11-Apr-18	9:52:34	Buoy	Stationary	94	13	20	319	52	20	22.19274	113.97910	1011.52	280.11
11-Apr-18	9:52:42	Buoy	Stationary	94	1	50	312	27	40	22.19159	113.97849	1059.90	272.70
11-Apr-18	9:52:51	Buoy	Stationary	94	12	20	300	15	30	22.18963	113.97904	1015.55	260.50
11-Apr-18	9:53:03	Buoy	Stationary	94	28	10	283	59	40	22.18740	113.98042	955.25	244.23
11-Apr-18	9:53:22	Buoy	Stationary	97	5	40	226	19	30	22.18578	113.98811	599.59	186.57
11-Apr-18	9:53:28	Buoy	Stationary	97	9	40	222	22	40	22.18580	113.98851	593.95	182.62
11-Apr-18	9:53:43	Buoy	Stationary	97	1	10	205	50	40	22.18584	113.99019	606.07	168.08
11-Apr-18	9:54:07	Buoy	Stationary	96	44	30	198	0	30	22.18586	113.99105	631.31	158.25
11-Apr-18	9:54:29	Tug boat	Stationary	94	21	40	284	37	50	22.18740	113.98016	979.14	244.87
11-Apr-18	9:55:01	Container Boat	Travelling	92	44	50	233	4	40	22.17749	113.98529	1558.58	193.32
11-Apr-18	9:55:19	Container Boat	Travelling	92	20	20	262	1	0	22.17893	113.97680	1832.86	222.26
11-Apr-18	10:00:22	Container Boat	Travelling	92	49	0	198	12	20	22.17842	113.99420	1520.00	158.45
11-Apr-18	10:00:35	Container Boat	Travelling	92	38	40	227	13	30	22.17669	113.98673	1619.69	187.47
11-Apr-18	10:00:47	Container Boat	Travelling	94	7	0	274	34	10	22.18576	113.98054	1037.71	234.81
11-Apr-18	10:04:51	Container Boat	Travelling	92	16	30	200	39	20	22.17511	113.99477	1885.00	160.90
11-Apr-18	10:04:59	Container Boat	Travelling	92	9	10	298	39	10	22.18768	113.98677	1993.00	258.89
11-Apr-18	10:37:06	Speedboat	Travelling	95	6	40	226	40	40	22.18368	113.98780	835.07	186.92
11-Apr-18	10:37:50	Speedboat	Travelling	93	43	50	247	17	30	22.18199	113.98363	1146.28	207.53
11-Apr-18	10:38:29	Speedboat	Travelling	92	51	0	257	40	10	22.18047	113.97980	1502.83	217.91
11-Apr-18	11:00:25	Container Boat	Travelling	94	7	40	254	53	30	22.18352	113.98299	1035.67	215.13
11-Apr-18	11:02:42	Container Boat	Travelling	93	15	20	277	9	30	22.18476	113.97801	1314.95	237.40
11-Apr-18	11:06:22	Container Boat	Travelling	92	10	0	295	48	40	22.18684	113.97009	1981.64	256.05
11-Apr-18	11:26:49	Zero	Stationary	116	45	50	0	0	0	22.19216	113.98786	148.08	320.24
11-Apr-18	11:27:21	Container Boat	Travelling	92	17	30	277	43	40	22.18220	113.97335	1873.11	237.97
11-Apr-18	11:31:57	Container Boat	Travelling	93	5	50	242	24	20	22.17965	113.98360	1383.09	202.65
11-Apr-18	11:35:53	Container Boat	Travelling	92	49	40	205	22	0	22.17793	113.99244	1515.81	165.61
11-Apr-18	11:38:53	Speedboat	Travelling	93	28	50	303	41	20	22.18997	113.97689	1230.04	263.93
11-Apr-18	11:44:11	Speedboat	Stationary	93	22	30	301	55	20	22.18958	113.97656	1268.81	262.16
11-Apr-18	11:49:11	Speedboat	Travelling	92	58	10	299	9	40	22.18875	113.97499	1443.28	259.40
11-Apr-18	11:50:06	Speedboat	Travelling	92	16	10	297	51	40	22.18763	113.97078	1692.09	258.10
11-Apr-18	12:14:49	Speedboat	Travelling	93	37	10	297	31	30	22.18898	113.97755	1182.13	257.77
11-Apr-18	12:16:15	Speedboat	Travelling	97	20	0	273	23	50	22.18804	113.98424	580.37	233.64
11-Apr-18	12:17:24	Speedboat	Travelling	101	7	0	206	39	10	22.18781	113.98962	380.03	166.89
11-Apr-18	13:12:57	Container Boat	Travelling	92	22	40	264	48	20	22.17968	113.97638	1802.24	225.05
11-Apr-18	13:15:27	Container Boat	Travelling	95	39	0	235	51	0	22.18462	113.98675	754.28	196.09
11-Apr-18	13:15:33	Container Boat	Travelling	92	46	50	248	34	0	22.17900	113.98157	1539.36	208.81
11-Apr-18	13:19:19	Container Boat	Travelling	93	0	40	218	15	30	22.17836	113.98914	1420.67	178.50
11-Apr-18	13:19:28	Container Boat	Travelling	93	21	0	283	51	20	22.18612	113.97762	1276.15	244.10
11-Apr-18	13:22:22	Container Boat	Travelling	92	16	50	297	2	40	22.18742	113.97096	1879.38	257.28
11-Apr-18	14:07:10	Fishing boat	Travelling	95	13	50	221	8	10	22.18381	113.98859	814.40	181.38
11-Apr-18	14:11:03	Fishing boat	Travelling	92	52	0	257	32	20	22.18053	113.97990	1491.19	217.78
11-Apr-18	14:13:49	Fishing boat	Travelling	92	0	40	267	9	40	22.17815	113.97353	2131.54	227.40
11-Apr-18	14:14:09	Container Boat	Travelling	91	59	10	236	37	10	22.17255	113.98269	2158.64	196.86
11-Apr-18	14:14:57	Container Boat	Travelling	93	59	10	215	2	0	22.18154	113.98963	1070.28	175.27
11-Apr-18	14:15:06	Container Boat	Travelling	93	10	50	207	37	40	22.17932	113.99152	1343.07	167.87
11-Apr-18	14:19:48	Speedboat	Travelling	98	10	20	222	21	40	22.18647	113.98855	518.81	182.60
11-Apr-18	14:20:11	Speedboat	Travelling	93	13	40	206	40	0	22.18712	113.98979	458.56	166.91
11-Apr-18	14:20:22	Speedboat	Travelling	99	35	40	198	40	0	22.18744	113.99032	440.72	158.91
11-Apr-18	14:20:41	Container Boat	Travelling	91	25	0	215	27	10	22.16385	113.99100	3041.10	175.69
11-Apr-18	14:20:50	Container Boat	Travelling	92	11	20	291	15	10	22.18555	113.97075	1956.53	251.49
11-Apr-18	14:20:55	Container Boat	Travelling	93	13	10	264	39	50	22.18268	113.97968	1326.60	224.90
11-Apr-18	14:21:32	Container Boat	Travelling	93	52	20	207	35	10	22.18145	113.99104	1101.80	167.83
11-Apr-18	14:23:07	Container Boat	Travelling	91	15	20	211	13	20	22.16052	113.99374	3440.59	171.46
11-Apr-18	14:23:15	Container Boat	Travelling	91	36	10	300	24	20	22.18721	113.96306	2681.92	260.65
11-Apr-18	14:23:30	Container Boat	Travelling	92	33	50	281	33	10	22.18404	113.97449	1668.14	241.79
11-Apr-18	14:23:58	Fishing boat	Travelling	92	57	30	263	55	0	22.18181	113.97900	1444.33	224.16
11-Apr-18	14:26:10	Fishing boat	Travelling	94	5	0	243	22	30	22.18253	113.98471	1044.42	203.62
11-Apr-18	14:26:23	Container Boat	Stationary	93	34	40	265	19	10	22.18362	113.98050	1192.89	225.56
11-Apr-18	14:28:29	Fishing boat	Travelling	95	39	30	206	2	10	22.18456	113.99051	752.08	166.28
11-Apr-18	14:28:43	Container Boat	Travelling	92	45	30	282	26	20	22.18474	113.97540	1549.61	242.68
11-Apr-18	14:33:51	Speedboat	Travelling	95	46	50	256	28	50	22.18583	113.98450	735.98	216.72
11-Apr-18	14:34:29	Speedboat	Travelling	99	47	30	241	10	0	22.18752	113.98725	431.55	201.41
11-Apr-18	14:34:54	Speedboat	Travelling	101	43	40	210	24	40	22.18795	113.98934	358.73	170.65
11-Apr-18	14:35:15	Tug boat	Travelling	94	41	40	289	32	40	22.18832	113.98050	907.55	249.78
11-Apr-18	14:37:12	Tug boat	Travelling	97	19	20	263	18	10	22.18736	113.98490	579.66	223.54
11-Apr-18	14:40:03	Tug boat	Travelling	97	37	20	233	14	20	22.18627	113.98752	556.54	193.48
11-Apr-18	14:41:00	Tug boat	Travelling	97	0	0	218	55	40	22.18568	113.98886	606.60	179.17
11-Apr-18	14:43:17	Tug boat	Stationary	96	56	20	218	46	10	22.18563	113.98888	611.97	179.01
11-Apr-18	14:44:42	Tug boat	Travelling	97	10	30	214	38	20	22.18584	113.98929	591.60	174.88
11-Apr-18	14:45:32	Construction Platform	Travelling	97	30	0	214	55	50	22.18607	113.98924	565.66	175.17
11-Apr-18	14:45:41	Construction Platform	Travelling	97	25	40	219	0	10	22.18600	113.98885		

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
11-Apr-18	14:58:19	Construction Platform	Stationary	101	54	20	224	23	50	22.18797	113.98850	353.06	184.64
11-Apr-18	15:07:24	Tug boat	Travelling	98	44	20	225	5	10	22.18681	113.98826	484.22	183.77
11-Apr-18	15:09:03	Tug boat	Stationary	99	7	0	223	31	50	22.18697	113.98848	463.81	183.77
11-Apr-18	15:12:11	Tug boat	Travelling	98	53	10	233	38	20	22.18698	113.98767	476.02	193.88
11-Apr-18	15:15:59	Tug boat	Stationary	100	34	10	238	2	10	22.18773	113.98756	398.80	198.28
11-Apr-18	15:19:47	Tug boat	Travelling	100	40	30	223	24	40	22.18759	113.98853	394.74	183.65
11-Apr-18	15:20:32	Tug boat	Travelling	100	40	10	222	56	30	22.18759	113.98856	394.94	183.18
11-Apr-18	15:26:14	Tug boat	Travelling	101	4	50	237	58	10	22.18789	113.98762	379.89	198.21
11-Apr-18	15:27:41	Tug boat	Travelling	100	20	10	218	51	10	22.18747	113.98884	407.92	179.09
11-Apr-18	15:30:46	Container Boat	Travelling	93	48	20	235	52	0	22.18146	113.98576	1119.68	196.11
11-Apr-18	15:30:57	Tug boat	Travelling	101	40	20	207	36	20	22.18797	113.98951	360.09	167.85
11-Apr-18	15:31:21	Construction Platform	Travelling	102	12	0	211	1	20	22.18808	113.98829	344.06	171.26
11-Apr-18	15:31:26	Construction Platform	Travelling	102	7	50	218	19	50	22.18803	113.98886	346.09	178.57
11-Apr-18	15:32:18	Tug boat	Travelling	100	47	50	200	8	0	22.18783	113.99005	390.07	160.37
11-Apr-18	15:32:34	Container Boat	Travelling	94	9	30	213	20	40	22.18198	113.98989	1024.14	173.58
11-Apr-18	15:33:27	Construction Platform	Travelling	100	56	10	200	24	40	22.18787	113.99002	384.98	160.65
11-Apr-18	15:33:57	Construction Platform	Travelling	101	5	50	207	28	40	22.18780	113.98956	379.25	167.72
11-Apr-18	15:33:46	Container Boat	Travelling	94	9	30	197	23	30	22.18262	113.99257	1024.12	157.63
11-Apr-18	15:33:54	Container Boat	Travelling	94	40	20	222	13	40	22.18295	113.98840	910.84	182.47
11-Apr-18	15:36:50	Tug boat	Travelling	98	51	30	218	50	40	22.18684	113.98885	477.31	179.08
11-Apr-18	15:37:14	Container Boat	Travelling	94	1	30	265	43	20	22.18452	113.98138	1058.17	225.96
11-Apr-18	15:37:41	Construction Platform	Stationary	101	16	30	210	27	40	22.18783	113.98936	373.09	170.70
11-Apr-18	15:37:46	Construction Platform	Stationary	101	16	30	217	57	0	22.18778	113.98889	373.09	178.19
11-Apr-18	15:38:07	Tug boat	Travelling	96	46	40	262	11	0	22.18698	113.98467	626.00	222.42
11-Apr-18	15:40:58	Container Boat	Travelling	92	33	20	290	41	30	22.18623	113.97343	1671.07	250.93
11-Apr-18	15:41:12	Tug boat	Stationary	94	25	20	285	3	30	22.18752	113.98028	962.52	245.30
11-Apr-18	15:42:49	Tug boat	Travelling	94	31	10	288	57	40	22.18813	113.98022	941.66	249.20
11-Apr-18	15:43:35	Tug boat	Travelling	95	53	0	280	13	20	22.18794	113.98267	722.03	240.46
13-Apr-18	9:16:01	Zero	Stationary	121	56	30	0	0	0	22.19196	113.98804	119.41	320.24
13-Apr-18	9:26:17	Construction Platform	Stationary	95	0	20	303	58	50	22.19037	113.98055	850.86	264.22
13-Apr-18	9:26:22	Construction Platform	Stationary	94	57	30	307	0	0	22.19077	113.98044	859.01	267.24
13-Apr-18	9:27:00	Construction Platform	Stationary	100	35	50	209	23	10	22.18761	113.98947	398.09	169.63
13-Apr-18	9:27:24	Construction Platform	Stationary	100	44	0	216	17	50	22.18761	113.98901	392.93	176.54
13-Apr-18	9:27:39	Buoy	Stationary	94	25	50	327	57	40	22.19384	113.97990	962.05	286.20
13-Apr-18	9:27:44	Buoy	Stationary	94	17	0	324	0	20	22.19334	113.97940	995.32	284.25
13-Apr-18	9:27:58	Buoy	Stationary	94	13	20	319	52	40	22.19274	113.97912	1009.82	280.12
13-Apr-18	9:28:06	Buoy	Stationary	94	1	40	312	27	0	22.19159	113.97850	1058.86	272.69
13-Apr-18	9:28:22	Buoy	Stationary	94	11	50	300	14	40	22.18963	113.97904	1015.88	260.48
13-Apr-18	9:28:33	Buoy	Stationary	94	27	20	284	0	40	22.18740	113.98040	956.65	244.25
13-Apr-18	9:29:00	Buoy	Stationary	97	4	40	226	26	40	22.18578	113.98810	600.02	186.68
13-Apr-18	9:29:06	Buoy	Stationary	97	9	10	222	34	50	22.18580	113.98849	593.66	182.82
13-Apr-18	9:29:16	Buoy	Stationary	97	0	0	205	58	50	22.18584	113.99018	606.77	166.22
13-Apr-18	9:29:23	Buoy	Stationary	96	42	50	198	8	30	22.18584	113.99104	632.90	158.38
13-Apr-18	9:30:01	Container Boat	Travelling	94	8	50	237	58	50	22.18235	113.98565	1028.24	198.22
13-Apr-18	9:30:43	Tug boat	Stationary	94	23	50	285	2	50	22.18749	113.98022	969.47	245.29
13-Apr-18	9:31:10	Transportation Boat	Stationary	94	14	40	323	58	50	22.19336	113.97931	1004.59	284.22
13-Apr-18	9:32:45	Container Boat	Travelling	92	36	20	257	47	40	22.19750	113.97895	1641.32	218.03
13-Apr-18	9:35:00	Container Boat	Travelling	91	55	50	265	3	50	22.17708	113.97343	2221.23	225.30
13-Apr-18	9:46:01	Porpoise	Surface	94	30	20	273	16	10	22.18607	113.98138	946.42	233.51
13-Apr-18	9:48:44	HSF	Travelling	94	8	10	243	42	0	22.18285	113.98471	1311.55	203.94
13-Apr-18	9:49:35	HSF	Travelling	92	40	50	284	52	10	22.18509	113.97471	1595.82	245.11
13-Apr-18	9:50:17	HSF	Travelling	91	49	50	299	10	30	22.18726	113.98637	2345.03	259.42
13-Apr-18	10:01:41	Speedboat	Travelling	100	18	10	235	48	30	22.18759	113.98768	410.12	196.05
13-Apr-18	10:02:47	Speedboat	Travelling	94	18	10	265	41	0	22.18493	113.98185	991.75	225.92
13-Apr-18	10:03:50	Speedboat	Travelling	92	47	10	273	24	40	22.18295	113.97676	1535.56	233.65
13-Apr-18	10:19:29	Container Boat	Travelling	92	33	20	280	36	20	22.18379	113.97455	1675.82	240.85
13-Apr-18	10:21:25	Tug boat	Travelling	95	1	30	281	0	10	22.18746	113.98155	848.83	241.24
13-Apr-18	10:23:29	Tug boat	Travelling	99	12	0	239	48	30	22.18725	113.98724	460.60	200.05
13-Apr-18	10:23:53	Container Boat	Travelling	94	5	10	246	39	0	22.18275	113.98418	1045.26	206.89
13-Apr-18	10:25:38	Tug boat	Travelling	100	9	0	198	58	50	22.18763	113.99021	416.70	159.22
13-Apr-18	10:26:54	Construction Platform	Travelling	100	40	10	198	50	10	22.18781	113.99015	395.98	159.08
13-Apr-18	10:27:03	Construction Platform	Travelling	101	0	0	206	6	20	22.18778	113.98966	383.80	166.35
13-Apr-18	10:27:16	Container Boat	Travelling	94	20	30	201	30	30	22.18273	113.99177	983.48	161.75
13-Apr-18	10:28:58	Tug boat	Stationary	100	55	0	200	36	30	22.18785	113.99001	386.82	160.85
13-Apr-18	10:29:28	Construction Platform	Stationary	100	51	40	203	11	10	22.18778	113.98986	388.85	163.43
13-Apr-18	10:29:35	Construction Platform	Stationary	100	51	10	210	27	20	22.18768	113.98939	389.16	170.70
13-Apr-18	10:34:21	Construction Platform	Stationary	101	29	10	210	7	40	22.18788	113.98937	387.21	170.37
13-Apr-18	10:34:26	Construction Platform	Stationary	101	34	40	217	46	50	22.18786	113.98890	384.22	178.02
13-Apr-18	10:34:38	Tug boat	Travelling	100	13	0	207	12	0	22.18750	113.98965	414.03	167.44
13-Apr-18	10:35:40	Container Boat	Travelling	94	20	10	220	21	0	22.18228	113.98968	984.97	180.59
13-Apr-18	10:36:02	Fishing boat	Travelling	93	33	20	214	25	20	22.18036	113.98987	1202.57	174.66
13-Apr-18	10:36:39	Transportation Boat	Travelling	94	3	10	322	45	40	22.19327	113.97879	1054.27	283.00
13-Apr-18	10:37:19	Fishing boat	Travelling	94	3	10	199	37	10	22.18223	113.99231	1054.29	159.86
13-Apr-18	10:37:50	Tug boat	Travelling	99	57	30	217	53	20	22.18732	113.98891	425.04	178.13
13-Apr-18	10:38:24	Transportation Boat	Travelling	94	2	20	291	44	40	22.18819	113.97900	1057.97	251.98
13-Apr-18	10:38:49	Container Boat	Travelling	93	47	10	260	14	10	22.18341	113.98166	1129.03	220.48
13-Apr-18	10:40:15	Transportation Boat	Travelling	95	36	20	257	57	30	22.18574	113.98419	763.00	218.20
13-Apr-18	10:41:05	Tug boat	Travelling	101	29	50	238	24	30	22.18801	113.98764	366.91	198.65
13-Apr-18	10:41:20	Transportation Boat	Travelling	96	14	0	229	23	30	22.18507	113.98767	683.52	189.63
13-Apr-18	10:41:29	Container Boat	Travelling	92	51	10	281	35	0	22.18476	113.97592	1501.00	241.82
13-Apr-18	10:42:13	Transportation Boat	Travelling	96	11	30							

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
13-Apr-18	11:13:04	Transportation Boat	Travelling	98	31	50	279	24	20	22.18887	113.98460	498.04	239.65
13-Apr-18	11:14:24	Transportation Boat	Travelling	103	33	50	218	39	20	22.18835	113.98864	309.61	178.90
13-Apr-18	11:15:15	Transportation Boat	Stationary	102	13	30	210	14	50	22.18908	113.98933	344.77	170.49
13-Apr-18	11:16:36	Transportation Boat	Travelling	95	38	10	321	6	40	22.19248	113.98156	757.32	281.35
13-Apr-18	11:19:40	Transportation Boat	Travelling	98	54	10	271	38	20	22.18849	113.98513	476.98	231.88
13-Apr-18	11:22:45	Transportation Boat	Stationary	97	3	0	225	55	40	22.18573	113.98815	604.30	186.17
13-Apr-18	11:29:55	Transportation Boat	Travelling	101	5	10	212	19	50	22.18774	113.98926	381.40	172.57
13-Apr-18	11:30:23	Transportation Boat	Travelling	99	55	10	199	29	0	22.18753	113.99022	427.36	159.72
13-Apr-18	11:44:22	Fishing boat	Stationary	103	47	40	312	21	30	22.19126	113.98582	304.48	272.60
13-Apr-18	11:45:33	Fishing boat	Travelling	106	54	50	267	28	30	22.18965	113.98701	245.84	227.72
13-Apr-18	11:46:07	Fishing boat	Travelling	103	59	50	213	21	0	22.18846	113.98910	299.91	173.59
13-Apr-18	12:03:38	Container Boat	Travelling	92	42	40	267	12	50	22.18150	113.97744	1583.54	227.45
13-Apr-18	12:08:10	Transportation Boat	Travelling	96	35	30	314	47	20	22.19165	113.98251	647.57	275.03
13-Apr-18	12:08:24	Container Boat	Travelling	93	4	20	236	51	30	22.17913	113.98479	1396.48	197.10
13-Apr-18	12:09:38	Transportation Boat	Stationary	95	1	50	306	37	30	22.19072	113.98052	850.40	266.87
13-Apr-18	12:11:32	Transportation Boat	Travelling	95	52	0	308	25	0	22.19099	113.98170	728.42	268.66
13-Apr-18	12:13:45	Container Boat	Travelling	92	46	20	201	34	10	22.17790	113.99348	1548.83	161.81
13-Apr-18	12:13:57	Transportation Boat	Travelling	100	20	40	230	50	10	22.18752	113.98001	409.92	191.08
13-Apr-18	12:14:43	Transportation Boat	Stationary	101	33	0	211	35	20	22.18788	113.98928	366.13	171.83
13-Apr-18	12:16:05	Transportation Boat	Travelling	99	16	50	198	26	50	22.18730	113.99040	457.94	158.69
13-Apr-18	12:24:35	Fishing boat	Travelling	96	26	0	263	53	10	22.18685	113.98428	664.29	224.13
13-Apr-18	12:43:10	Fishing boat	Travelling	103	19	10	234	28	30	22.18839	113.98800	316.27	194.72
13-Apr-18	12:43:55	Fishing boat	Stationary	104	27	50	223	55	30	22.18853	113.98857	290.29	184.17
13-Apr-18	12:44:35	Fishing boat	Stationary	103	40	40	217	32	30	22.18837	113.98889	307.69	177.78
13-Apr-18	12:47:46	Fishing boat	Stationary	102	34	40	211	59	20	22.18815	113.98922	335.64	172.23
13-Apr-18	12:50:24	Fishing boat	Travelling	108	59	30	242	54	30	22.18934	113.98795	217.59	203.15
13-Apr-18	12:50:45	Fishing boat	Travelling	104	50	50	297	20	10	22.19059	113.98610	282.51	257.58
13-Apr-18	12:51:21	Fishing boat	Travelling	97	43	0	319	30	50	22.19198	113.98348	552.84	279.75
13-Apr-18	12:51:52	Fishing boat	Stationary	97	31	20	318	29	40	22.19191	113.98333	567.32	278.73
13-Apr-18	13:01:23	Fishing boat	Stationary	98	37	20	314	3	40	22.19147	113.98399	494.13	274.30
13-Apr-18	13:08:28	Fishing boat	Travelling	96	56	30	322	49	20	22.19239	113.98295	615.61	283.06
13-Apr-18	13:08:32	Fishing boat	Travelling	96	33	50	325	50	10	22.19276	113.98269	651.41	286.08
13-Apr-18	13:20:34	Speedboat	Travelling	101	24	10	296	38	20	22.19049	113.98523	371.65	258.88
13-Apr-18	13:20:55	Speedboat	Travelling	107	53	0	262	59	50	22.18962	113.98723	232.28	223.24
13-Apr-18	13:21:13	Speedboat	Travelling	105	20	50	218	19	0	22.18868	113.98884	273.10	178.56
13-Apr-18	13:49:43	Yacht	Travelling	94	37	10	243	55	10	22.18352	113.98508	928.47	204.16
13-Apr-18	13:50:51	Yacht	Travelling	96	52	30	199	31	10	22.18589	113.99087	621.87	159.76
13-Apr-18	13:51:22	Container Boat	Travelling	94	14	40	242	45	0	22.18276	113.98494	1010.95	202.99
13-Apr-18	13:56:26	Container Boat	Travelling	92	43	40	286	17	30	22.18549	113.97472	1576.89	246.53
13-Apr-18	14:00:48	Transportation Boat	Stationary	97	56	20	204	28	30	22.18647	113.99015	537.43	164.72
13-Apr-18	14:01:08	Container Boat	Travelling	91	44	30	300	51	30	22.18768	113.98497	2479.87	261.10
13-Apr-18	14:36:24	Zero	Stationary	109	1	30	0	0	0	22.19264	113.98743	217.04	320.24
13-Apr-18	14:36:38	Container Boat	Travelling	93	41	50	255	48	50	22.18270	113.98214	1159.71	216.05
13-Apr-18	14:40:55	Container Boat	Travelling	92	33	30	282	54	10	22.18431	113.97422	1679.55	243.14
13-Apr-18	14:41:26	Tug boat	Travelling	94	31	30	307	46	30	22.19084	113.97959	946.31	268.02
13-Apr-18	14:43:03	Tug boat	Travelling	95	23	0	299	43	40	22.18989	113.98117	794.47	259.97
13-Apr-18	14:43:20	Container Boat	Travelling	92	5	0	291	10	50	22.18521	113.96975	2065.90	251.42
13-Apr-18	14:44:37	Tug boat	Stationary	95	2	20	307	7	30	22.19079	113.98053	849.13	267.37
13-Apr-18	14:45:11	Container Boat	Travelling	91	48	50	295	42	40	22.18595	113.96637	2376.30	255.95
13-Apr-18	14:53:10	Container Boat	Travelling	93	45	40	258	24	0	22.18313	113.98186	1139.27	218.64
13-Apr-18	14:57:36	Container Boat	Travelling	95	21	40	197	7	10	22.18452	113.99176	797.40	157.36
13-Apr-18	14:58:17	Transportation Boat	Travelling	97	38	0	217	9	50	22.18612	113.98902	558.14	177.40
13-Apr-18	15:00:45	Transportation Boat	Stationary	96	35	10	212	18	50	22.18536	113.98959	647.90	172.55
13-Apr-18	15:11:11	Transportation Boat	Travelling	99	23	20	227	23	0	22.18711	113.98819	452.14	187.62
13-Apr-18	15:12:05	Transportation Boat	Travelling	98	38	10	202	35	30	22.18691	113.99019	492.25	162.83
18-Apr-18	9:32:10	Zero	Stationary	107	23	40	0	0	10	22.19277	113.98731	236.33	320.24
18-Apr-18	9:39:39	Buoy	Stationary	94	15	30	324	7	40	22.19336	113.97941	995.12	284.37
18-Apr-18	9:39:46	Buoy	Stationary	94	11	0	319	58	0	22.19275	113.97909	1013.06	280.21
18-Apr-18	9:39:55	Buoy	Stationary	93	59	50	312	35	40	22.19161	113.97848	1060.50	272.83
18-Apr-18	9:40:05	Buoy	Stationary	94	9	50	300	36	0	22.18968	113.97901	1017.81	260.84
18-Apr-18	9:40:42	Buoy	Stationary	94	25	50	284	13	0	22.18743	113.98039	956.19	244.46
18-Apr-18	9:43:25	Buoy	Stationary	94	23	20	328	7	30	22.19388	113.97987	965.25	288.37
18-Apr-18	9:43:36	Buoy	Stationary	97	1	50	226	45	50	22.18578	113.98807	600.35	187.00
18-Apr-18	9:43:44	Buoy	Stationary	97	6	40	222	46	10	22.18581	113.98848	593.47	163.01
18-Apr-18	9:43:53	Buoy	Stationary	96	58	0	206	11	50	22.18584	113.99016	605.91	166.44
18-Apr-18	9:44:09	Buoy	Stationary	96	41	0	198	20	0	22.18585	113.99102	631.86	158.57
18-Apr-18	9:44:30	Transportation Boat	Stationary	94	11	0	324	13	20	22.19342	113.97924	1012.93	284.46
18-Apr-18	9:45:43	Construction Platform	Stationary	99	16	0	242	23	50	22.18737	113.98708	453.68	202.64
18-Apr-18	9:45:52	Construction Platform	Stationary	99	3	30	248	1	0	22.18746	113.98664	464.30	208.26
18-Apr-18	9:46:23	Construction Platform	Stationary	99	28	0	305	36	20	22.19085	113.98447	443.91	265.85
18-Apr-18	9:46:33	Construction Platform	Stationary	98	39	10	305	59	40	22.19085	113.98406	486.42	266.23
18-Apr-18	9:56:25	Container Boat	Travelling	92	59	50	272	54	30	22.18350	113.97777	1416.01	233.15
18-Apr-18	10:02:48	Container Boat	Travelling	94	1	20	218	35	0	22.18166	113.98899	1053.21	178.82
18-Apr-18	10:04:33	Container Boat	Travelling	93	41	10	202	7	20	22.18128	113.99216	1149.75	162.86
18-Apr-18	10:14:55	Transportation Boat	Travelling	95	45	50	218	23	50	22.18454	113.98895	733.00	178.64
18-Apr-18	10:18:31	Transportation Boat	Travelling	98	4	50	245	26	50	22.18691	113.98658	520.94	205.69
18-Apr-18	10:22:54	Transportation Boat	Stationary	98	39	20	247	59	20	22.18729	113.98654	485.77	208.23
18-Apr-18	10:23:12	Transportation Boat	Travelling	94	59	50	216	8	30	22.18354	113.98930	846.13	176.38
18-Apr-18	10:23:26	Transportation Boat	Travelling	93	53	10	327	32	40	22.19413	113.97869	1089.68	287.78
18-Apr-18	10:23:46	Transportation Boat	Travelling	93	44	30	330	12	30	22.19470	113.97847	1131.98	290.45
18-Apr-18	10:28:23	Transportation Boat	Travelling	96	54	30	261	4	10	22.18701	113.98486	610.58	221.31
18-Apr-18	10:33:20	Transportation Boat	Travelling	99	28	30	245	4	30	22.18754	113.98694	442.94	205.32
18-Apr-18	10:37:20	Transportation Boat	Stationary	99	16	10	244	52	10	22.18745	113.98691	452.90	205.11
18-Apr-18	10:50:35	Transportation Boat	Travelling	98	42	30	254	15	50	22.18756	113.98612	482.98	214.50
18-Apr-18	10:53:09	Transportation Boat	Stationary	99	23	0	245	3	30	22.18750	113.98692	447.72	205.30
18-Apr-18	10:55:22	Transportation Boat	Travelling	98	14	50	255	13	10	22.18740	113.98590	510.55	215.46
18-Apr-18	11:00:11	Container Boat	Travelling	93	51	10	252	31	50	22.18281	113.98299	1100.25	212.77
18-Apr-18	11:00:36	Transportation Boat	Stationary	96	55	50	248	10	30	22.18632	113.98596	609.05	208.42
18-Apr-18	11:03:00	Transportation Boat	Travelling	93	2	40	278	14	10	22.18458	113.97723	1394.48	238.48
18-Apr-18	11:05:55	Container Boat	Travelling	92	14	40	292	54	0	22.18619	113.9711		

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
18-Apr-18	11:40:42	Container Boat	Travelling	92	10	30	278	59	40	22.19211	113.97240	1961.03	239.23
18-Apr-18	11:47:16	Container Boat	Travelling	92	59	50	238	9	30	22.17901	113.98442	1420.25	198.40
18-Apr-18	12:38:13	Zero	Stationary	103	43	30	0	0	10	22.19325	113.98688	304.78	320.24
18-Apr-18	13:28:53	Zero	Stationary	105	4	10	0	0	10	22.19306	113.98705	277.26	320.24
18-Apr-18	13:38:18	Construction Boat	Travelling	94	9	20	317	2	40	22.19231	113.97886	1029.08	277.28
18-Apr-18	13:41:55	Construction Boat	Travelling	97	49	30	309	18	20	22.19110	113.98349	543.73	269.55
18-Apr-18	13:44:52	Construction Boat	Stationary	99	12	0	307	18	30	22.19096	113.98430	461.40	267.55
18-Apr-18	14:32:46	Transportation Boat	Travelling	97	7	40	311	19	30	22.19129	113.98295	599.36	271.57
18-Apr-18	14:35:31	Container Boat	Travelling	92	50	20	255	32	10	22.18008	113.98017	1514.72	215.78
18-Apr-18	14:35:38	Container Boat	Travelling	93	30	50	256	22	20	22.18231	113.98169	1222.20	216.61
18-Apr-18	14:35:49	Transportation Boat	Stationary	97	26	40	301	53	30	22.19043	113.98325	573.67	262.13
18-Apr-18	14:38:23	Transportation Boat	Travelling	97	20	20	307	15	40	22.19091	113.98313	582.11	267.50
18-Apr-18	14:38:37	Container Boat	Travelling	93	1	40	220	24	40	22.17836	113.98862	1419.91	180.65
18-Apr-18	14:41:19	Container Boat	Travelling	92	7	40	288	56	50	22.18466	113.97037	2026.17	249.19
18-Apr-18	14:41:30	Transportation Boat	Travelling	94	32	40	324	28	30	22.19330	113.97990	943.97	284.72
18-Apr-18	14:42:08	Transportation Boat	Travelling	94	18	30	323	52	10	22.19332	113.97939	996.05	284.11
18-Apr-18	14:43:44	Transportation Boat	Stationary	94	13	40	323	58	50	22.19338	113.97921	1015.24	284.22
18-Apr-18	14:51:07	Container Boat	Travelling	94	29	30	213	28	50	22.18259	113.98979	955.66	173.72
18-Apr-18	14:51:36	Construction Boat	Travelling	97	49	50	309	12	10	22.19109	113.98348	545.54	269.44
18-Apr-18	14:54:33	Tug boat	Travelling	96	7	40	227	20	10	22.18490	113.98788	699.08	187.58
18-Apr-18	14:54:46	Construction Boat	Travelling	93	51	10	326	29	20	22.19403	113.97840	1115.35	286.73
18-Apr-18	14:55:42	Speedboat	Travelling	99	46	50	309	31	50	22.19112	113.98455	435.29	269.77
18-Apr-18	14:57:07	Speedboat	Stationary	99	58	30	307	11	0	22.19097	113.98464	426.66	267.42
18-Apr-18	14:57:18	Tug boat	Travelling	97	6	0	283	24	20	22.18873	113.98353	602.58	243.65
18-Apr-18	14:57:42	Container Boat	Travelling	93	1	40	281	45	0	22.18513	113.97658	1421.47	241.99
18-Apr-18	14:58:49	Tug boat	Travelling	97	37	40	297	59	50	22.19011	113.98345	560.46	258.24
18-Apr-18	14:58:59	Speedboat	Travelling	99	18	10	308	18	20	22.19103	113.98433	458.17	268.55
18-Apr-18	14:59:27	Speedboat	Travelling	98	59	30	313	5	50	22.19139	113.98418	474.32	273.34
18-Apr-18	14:59:38	Container Boat	Travelling	92	26	30	290	18	0	22.18585	113.97260	1765.48	250.54
18-Apr-18	15:00:06	Tug boat	Stationary	98	3	10	302	12	40	22.19051	113.98367	530.54	262.45
18-Apr-18	15:00:49	Transportation Boat	Travelling	94	56	40	321	25	0	22.19272	113.98051	868.11	281.66
18-Apr-18	15:00:58	Speedboat	Travelling	98	30	0	322	21	20	22.19212	113.98401	502.26	282.60
18-Apr-18	15:01:10	Tug boat	Travelling	99	2	50	307	32	40	22.19087	113.98420	471.40	267.78
18-Apr-18	15:03:42	Transportation Boat	Travelling	100	3	10	306	0	30	22.19089	113.98467	423.45	266.25
18-Apr-18	15:03:52	Tug boat	Travelling	98	8	30	303	44	40	22.19084	113.98371	524.78	263.98
18-Apr-18	15:05:48	Tug boat	Travelling	98	33	40	309	12	10	22.19110	113.98393	498.75	269.44
18-Apr-18	15:06:00	Transportation Boat	Travelling	96	1	0	315	4	0	22.19173	113.98188	712.58	275.31
18-Apr-18	15:07:40	Transportation Boat	Travelling	94	38	20	328	18	10	22.19379	113.98024	926.03	288.54
18-Apr-18	15:07:49	Tug boat	Travelling	99	4	50	308	14	40	22.19103	113.98421	469.82	268.48
18-Apr-18	15:13:17	Tug boat	Travelling	97	2	0	313	53	0	22.19153	113.98287	608.92	274.12
18-Apr-18	15:14:54	Tug boat	Travelling	97	2	40	325	41	30	22.19264	113.98310	608.00	285.93
18-Apr-18	15:17:29	Tug boat	Travelling	98	18	10	305	21	0	22.19078	113.98379	514.86	265.59
18-Apr-18	15:18:16	Tug boat	Travelling	99	29	0	307	39	20	22.19099	113.98441	449.78	267.90
18-Apr-18	15:20:11	Tug boat	Travelling	100	4	50	301	33	50	22.19060	113.98471	422.66	261.80
18-Apr-18	15:20:33	Government Boat	Travelling	93	41	40	221	56	30	22.18066	113.98835	1165.16	182.18
18-Apr-18	15:21:52	Construction Platform	Travelling	100	8	10	317	47	0	22.19167	113.98473	420.34	278.02
18-Apr-18	15:21:58	Construction Platform	Travelling	99	14	20	319	25	0	22.19184	113.98435	462.01	279.66
18-Apr-18	15:22:13	Tug boat	Stationary	100	13	0	300	48	50	22.19056	113.98477	416.96	261.05
18-Apr-18	15:22:22	Government Boat	Travelling	92	37	30	255	0	50	22.17906	113.97956	1643.45	215.25
18-Apr-18	15:24:30	Construction Platform	Travelling	90	10	10	314	43	20	22.19147	113.98471	419.70	274.96
18-Apr-18	15:24:37	Construction Platform	Travelling	99	15	40	316	45	20	22.18164	113.98433	460.95	277.00
18-Apr-18	15:26:11	Tug boat	Travelling	101	20	20	297	37	50	22.19043	113.98522	374.83	257.87
18-Apr-18	15:27:14	Construction Platform	Stationary	100	8	10	315	56	30	22.19155	113.98471	420.47	276.18
18-Apr-18	15:27:21	Construction Platform	Stationary	99	14	20	316	53	50	22.19166	113.98432	462.15	277.14
18-Apr-18	15:27:34	Tug boat	Stationary	105	33	40	289	5	0	22.19028	113.98632	269.91	249.32
18-Apr-18	15:28:20	Tug boat	Travelling	104	45	20	282	23	30	22.18996	113.98631	285.39	242.63
18-Apr-18	15:30:19	Tug boat	Travelling	101	35	10	279	36	0	22.18948	113.98570	366.70	239.84
18-Apr-18	15:31:57	Tug boat	Travelling	100	35	0	277	28	0	22.18920	113.98547	402.42	237.71
20-Apr-18	9:46:54	Zero	Stationary	99	8	40	0	0	0	22.19433	113.98591	460.72	320.24
20-Apr-18	9:56:34	Construction Platform	Stationary	99	13	30	242	27	40	22.18735	113.98707	456.43	202.70
20-Apr-18	9:56:41	Construction Platform	Stationary	99	3	10	248	6	40	22.18745	113.98663	465.27	208.35
20-Apr-18	9:56:55	Construction Platform	Stationary	97	12	40	302	0	10	22.19043	113.98313	585.97	262.24
20-Apr-18	9:57:01	Construction Platform	Stationary	96	51	20	305	6	0	22.19069	113.98280	616.69	265.34
20-Apr-18	9:57:15	Buoy	Stationary	94	22	10	328	11	0	22.19390	113.97982	970.90	288.42
20-Apr-18	9:57:20	Buoy	Stationary	94	13	30	324	7	50	22.19338	113.97932	1004.29	284.37
20-Apr-18	9:57:27	Buoy	Stationary	94	9	40	320	1	40	22.19277	113.97902	1019.79	280.27
20-Apr-18	9:57:34	Buoy	Stationary	93	59	20	312	40	0	22.19162	113.97845	1064.07	272.91
20-Apr-18	9:57:42	Buoy	Stationary	94	7	20	300	59	40	22.18973	113.97889	1029.46	261.23
20-Apr-18	9:57:49	Buoy	Stationary	94	25	20	284	15	0	22.18742	113.98036	959.22	244.49
20-Apr-18	9:57:57	Buoy	Stationary	97	0	50	226	59	50	22.18576	113.98804	602.60	187.24
20-Apr-18	9:58:05	Buoy	Stationary	97	4	50	223	1	10	22.18578	113.98845	596.86	183.26
20-Apr-18	9:58:12	Buoy	Stationary	96	57	0	206	24	10	22.18581	113.99014	608.19	166.64
20-Apr-18	9:58:42	Buoy	Stationary	96	40	40	198	41	50	22.18582	113.99099	633.23	158.94
20-Apr-18	9:58:59	Tug boat	Stationary	94	3	10	301	56	10	22.18986	113.97870	1047.14	262.18
20-Apr-18	9:59:09	Transportation Boat	Stationary	94	10	30	323	57	20	22.19338	113.97920	1016.31	284.20
20-Apr-18	9:59:17	Transportation Boat	Travelling	95	15	20	257	41	40	22.18542	113.98396	806.18	217.93
20-Apr-18	10:02:43	Transportation Boat	Travelling	97	15	10	243	57	10	22.18636	113.98664	582.42	204.19
20-Apr-18	10:03:09	Transportation Boat	Travelling	98	31	0	245	59	20	22.18714	113.98665	494.91	206.23
20-Apr-18	10:04:29	Transportation Boat	Travelling	97	57	10	241	21	40	22.18670	113.98688	530.50	201.60
20-Apr-18	10:25:09	Container Boat	Travelling	93	43	50	272	29	30	22.18494	113.97999	1136.85	232.73
20-Apr-18	10:26:51	Container Boat	Travelling	92	16	40	294	29	0	22.18671	113.97127	1867.63	254.72
20-Apr-18	10:31:43	Container Boat	Travelling	91	41	50	301	35	50	22.18792	113.96459	2514.26	261.84
20-Apr-18	10:39:31	Tug boat	Travelling	94	54	0	303	18	40	22.19027	113.98044	863.61	263.55
20-Apr-18	10:40:24	Tug boat	Travelling	96	14	50	298	26	0	22.18994	113.98233	676.10	258.67
20-Apr-18	10:46:58	Zero	Stationary	94	41	30	0	0	0	22.19738	113.98317	901.92	320.24
20-Apr-18	10:48:27	Tug boat	Travelling	95	22	10	300	47	50	22.19003	113.98122	787.31	261.04
20-Apr-18	10:48:47	Construction Platform	Travelling	95	34	30	302	44	40	22.19031	113.98147	758.06	262.98
20-Apr-18	10:48:51	Construction Platform	Travelling	95	28	50	305	56	50	22.19068	113.98130	771.22	266.19
20-Apr-18	10:52:37	Tug boat	Travelling	96	12	30	290	17	30	22.18910	113.98255	680.02	250.53
20-Apr-18	10:52:56	Construction Platform	Stationary	95	56	20	297	24	20	22.18977	113.98203	711.13	257.65
20-Apr-18													

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horiz Degrees	Fix Horiz Minutes	Fix Horiz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
20-Apr-18	11:06:18	Construction Platform	Travelling	94	46	20	306	51	0	22.19073	113.98018	885.87	267.09
20-Apr-18	11:06:20	Construction Platform	Travelling	94	33	10	307	22	40	22.19079	113.97976	926.84	267.62
20-Apr-18	11:15:32	Tug boat	Travelling	94	10	20	298	10	20	22.18931	113.97913	1013.68	258.41
20-Apr-18	11:15:48	Construction Platform	Stationary	94	29	30	300	28	30	22.18977	113.97975	941.17	260.72
20-Apr-18	11:15:55	Construction Platform	Stationary	94	42	0	301	12	10	22.18993	113.98014	899.20	261.44
20-Apr-18	11:17:05	Tug boat	Travelling	94	5	40	303	10	30	22.19007	113.97880	1032.98	263.42
20-Apr-18	11:19:23	Tug boat	Travelling	94	21	50	299	41	50	22.18962	113.97951	968.75	259.94
20-Apr-18	11:21:02	Tug boat	Travelling	94	19	20	306	17	0	22.19060	113.97929	978.07	266.52
20-Apr-18	11:22:26	Tug boat	Travelling	94	22	10	308	1	0	22.19087	113.97938	967.38	268.26
20-Apr-18	11:27:09	Tug boat	Travelling	94	51	0	302	30	20	22.19015	113.98038	870.80	262.75
20-Apr-18	11:32:47	Tug boat	Stationary	94	39	50	308	49	30	22.19101	113.97998	905.55	269.07
20-Apr-18	11:41:28	Tug boat	Travelling	94	2	10	300	32	50	22.18963	113.97873	1046.91	260.79
20-Apr-18	11:44:11	Tug boat	Stationary	94	3	10	301	53	50	22.18986	113.97874	1042.58	262.14
20-Apr-18	11:59:07	Tug boat	Travelling	93	49	0	304	58	40	22.19031	113.97804	1108.38	265.22
20-Apr-18	11:59:34	Tug boat	Travelling	94	3	40	307	24	20	22.19075	113.97867	1041.33	267.65
20-Apr-18	12:02:20	Tug boat	Travelling	95	12	40	305	25	40	22.19059	113.98092	810.40	265.67
20-Apr-18	12:02:31	Container Boat	Travelling	91	37	50	280	49	40	22.17976	113.96655	2613.49	241.07
20-Apr-18	12:07:20	Tug boat	Travelling	95	4	10	308	19	30	22.19095	113.98068	833.44	268.57
20-Apr-18	12:07:30	Container Boat	Travelling	92	1	10	267	23	20	22.17837	113.97366	2105.15	227.63
20-Apr-18	12:09:35	Construction Platform	Stationary	96	0	40	311	3	30	22.19128	113.98196	702.07	271.30
20-Apr-18	12:09:39	Construction Platform	Stationary	96	0	10	315	8	30	22.19173	113.98197	703.06	275.38
20-Apr-18	12:09:48	Tug boat	Travelling	95	42	10	316	5	40	22.19187	113.98163	740.35	276.33
20-Apr-18	12:13:20	Tug boat	Travelling	95	57	30	319	57	0	22.19227	113.98200	708.49	280.19
20-Apr-18	12:13:36	Construction Platform	Travelling	96	29	10	316	30	0	22.19183	113.98250	650.36	276.74
20-Apr-18	12:13:41	Construction Platform	Travelling	96	7	50	318	52	40	22.19212	113.98217	688.43	279.12
20-Apr-18	12:13:58	Container Boat	Travelling	92	34	10	240	57	40	22.17728	113.98297	1651.73	201.20
20-Apr-18	12:19:25	Tug boat	Travelling	94	18	10	306	35	10	22.19065	113.97923	983.61	266.83
20-Apr-18	12:19:41	Container Boat	Travelling	92	7	20	257	45	10	22.17693	113.97679	2003.59	217.99
20-Apr-18	12:19:52	Container Boat	Travelling	92	40	50	208	25	0	22.17717	113.99180	1583.32	168.66
20-Apr-18	12:20:45	Construction Platform	Travelling	94	32	10	309	39	50	22.19112	113.97971	932.80	269.90
20-Apr-18	12:20:54	Construction Platform	Travelling	94	46	20	309	53	0	22.19116	113.98016	886.37	270.12
20-Apr-18	12:21:51	Tug boat	Travelling	95	27	10	302	2	40	22.19020	113.98131	775.09	262.28
20-Apr-18	12:22:13	Construction Platform	Stationary	94	44	10	308	51	10	22.19115	113.98010	893.24	270.09
20-Apr-18	12:22:20	Construction Platform	Stationary	95	1	40	309	56	50	22.19116	113.98060	841.10	270.18
20-Apr-18	12:22:40	Tug boat	Travelling	95	39	40	296	3	0	22.18955	113.98173	746.39	256.29
20-Apr-18	12:22:59	Container Boat	Travelling	93	2	40	240	26	0	22.17941	113.98400	1393.19	200.67
20-Apr-18	12:26:09	Tug boat	Stationary	94	2	10	301	29	10	22.18978	113.97868	1049.39	261.73
20-Apr-18	12:26:21	Container Boat	Travelling	94	2	10	204	36	20	22.18202	113.99144	1049.40	164.85
20-Apr-18	12:38:03	Transportation Boat	Travelling	94	58	20	308	44	30	22.19100	113.98051	851.32	268.98
20-Apr-18	12:38:39	Transportation Boat	Stationary	95	2	10	305	54	20	22.19063	113.98063	840.47	266.15
20-Apr-18	12:39:53	Transportation Boat	Travelling	94	53	0	309	10	50	22.19106	113.98035	867.00	269.42
20-Apr-18	12:40:12	Fishing Boat	Travelling	93	22	30	233	30	40	22.18015	113.98587	1257.20	193.75
20-Apr-18	12:42:12	Transportation Boat	Travelling	93	58	50	331	28	10	22.19468	113.97916	1065.08	291.71
20-Apr-18	12:42:22	Fishing Boat	Travelling	92	28	40	249	31	40	22.17773	113.98050	1716.04	209.77
20-Apr-18	12:49:31	Transportation Boat	Travelling	97	54	20	219	3	20	22.18634	113.98884	533.47	179.30
20-Apr-18	12:50:24	Transportation Boat	Travelling	98	26	40	244	20	0	22.18706	113.98676	498.98	204.57
20-Apr-18	12:50:59	Transportation Boat	Stationary	98	33	20	246	32	0	22.18718	113.98662	492.42	206.77
20-Apr-18	12:51:37	Transportation Boat	Travelling	97	58	50	249	48	50	22.18702	113.98621	528.45	210.05
20-Apr-18	12:52:26	Transportation Boat	Travelling	96	58	10	257	1	40	22.18680	113.98521	606.14	217.27
20-Apr-18	12:53:27	Transportation Boat	Stationary	96	52	50	257	29	30	22.18677	113.98513	614.09	217.73
20-Apr-18	13:17:49	Fishing Boat	Travelling	102	36	0	306	24	20	22.19096	113.98556	331.87	266.65
20-Apr-18	13:18:07	Fishing Boat	Travelling	109	0	0	267	53	20	22.18984	113.98722	215.43	228.13
20-Apr-18	13:18:29	Fishing Boat	Travelling	108	36	0	237	3	20	22.18924	113.98814	220.42	197.30
20-Apr-18	13:19:38	Fishing Boat	Travelling	106	18	30	226	51	30	22.18887	113.98847	253.56	187.10
20-Apr-18	13:20:53	Transportation Boat	Travelling	97	57	50	223	21	30	22.18637	113.98845	530.44	183.60
20-Apr-18	13:21:32	Transportation Boat	Travelling	97	37	10	200	30	30	22.18643	113.99056	554.76	160.75
20-Apr-18	13:22:07	Fishing Boat	Stationary	103	7	0	215	45	10	22.18828	113.98899	318.43	175.99
20-Apr-18	13:31:40	Fishing Boat	Travelling	93	22	30	308	59	0	22.19098	113.97652	1260.84	269.22
20-Apr-18	13:32:48	Fishing Boat	Travelling	92	45	50	329	43	50	22.19588	113.97470	1541.58	289.97
20-Apr-18	13:34:28	Fishing Boat	Stationary	104	8	20	219	16	40	22.18849	113.98880	294.75	199.52
20-Apr-18	14:24:13	Container Boat	Travelling	93	7	30	238	47	40	22.17952	113.98445	1366.33	179.03
20-Apr-18	14:25:33	Container Boat	Travelling	93	38	10	205	27	50	22.18091	113.99159	1173.34	165.70
20-Apr-18	14:25:45	Container Boat	Travelling	93	6	0	220	52	50	22.17874	113.98852	1377.53	181.12
20-Apr-18	14:26:15	Container Boat	Travelling	91	30	30	292	4	10	22.18334	113.98237	2851.95	252.31
20-Apr-18	14:27:49	Container Boat	Travelling	92	41	40	200	18	20	22.17768	113.99399	1586.47	160.55
20-Apr-18	14:33:10	Container Boat	Travelling	92	47	30	281	1	20	22.18451	113.97573	1531.31	241.26
20-Apr-18	14:33:28	Container Boat	Travelling	92	24	20	265	20	10	22.17993	113.97643	1779.02	225.58
20-Apr-18	15:13:19	Zero	Stationary	107	56	30	0	0	0	22.19273	113.98734	230.57	320.24
20-Apr-18	15:13:46	Container Boat	Travelling	92	44	0	249	11	40	22.17885	113.98129	1567.77	209.43
20-Apr-18	15:15:59	Container Boat	Travelling	93	25	10	229	48	20	22.18005	113.98666	1251.64	190.05
20-Apr-18	15:17:51	Container Boat	Travelling	93	49	10	207	28	40	22.18129	113.99109	1119.98	167.72
20-Apr-18	15:38:08	Container Boat	Travelling	94	57	40	257	36	20	22.18501	113.98364	861.87	217.85
20-Apr-18	15:39:08	Container Boat	Travelling	95	44	20	235	19	0	22.18469	113.98684	744.33	195.56
20-Apr-18	15:40:11	Container Boat	Travelling	95	52	40	208	23	30	22.18473	113.99017	726.64	168.63
25-Apr-18	9:48:07	Zero	Stationary	121	18	30	0	0	0	22.19199	113.98802	122.72	320.24
25-Apr-18	9:49:59	Construction Platform	Stationary	99	14	0	248	48	10	22.18753	113.98661	459.23	209.04
25-Apr-18	9:50:08	Construction Platform	Stationary	98	58	0	254	15	10	22.18763	113.98617	473.13	214.49
25-Apr-18	9:50:23	Construction Platform	Stationary	95	27	0	291	22	40	22.18892	113.98156	782.79	251.62
25-Apr-18	9:50:30	Construction Platform	Stationary	95	10	50	291	51	0	22.18886	113.98116	823.81	252.09
25-Apr-18	9:50:53	Buoy	Stationary	94	25	10	328	2	10	22.19387	113.97986	966.66	288.28
25-Apr-18	9:50:59	Buoy	Stationary	94	18	0	323	58	50	22.19334	113.97942	993.68	284.22
25-Apr-18	9:51:05	Buoy	Stationary	94	13	0	319	53	40	22.19274	113.97908	1013.43	280.13
25-Apr-18	9:51:10	Buoy	Stationary	94	1	40	312	32	10	22.19160	113.97848	1081.23	272.78
25-Apr-18	9:51:18	Buoy	Stationary	94	11	30	300	27	20	22.18966	113.97900	1019.51	260.70
25-Apr-18	9:51:26	Buoy	Stationary	94	27	0	283	56	40	22.18738	113.98038	959.99	244.18
25-Apr-18	9:51:39	Buoy	Stationary	97	4	50	226	42	0	22.18577	113.98807	601.12	186.94
25-Apr-18	9:51:44	Buoy	Stationary	97	10	20	222	39	20	22.18581	113.98849	593.35	182.90
25-Apr-18	9:51:56	Buoy	Stationary	97	1	0	206	7	20	22.18583	113.99017	606.65	166.36
25-Apr-18	9:52:39	Buoy	Stationary	96	47	50	198	36	50	22.18588	113.99097	626.45	158.85
25-Apr-18	9:52:54	Transportation Boat	Stationary	94	7	30	300	21	20	22.18962	113.97884	1036.09	260.60

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horiz Degrees	Fix Horiz Minutes	Fix Horiz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
25-Apr-18	10:51:35	Construction Boat	Travelling	100	11	40	223	3	30	22.18741	113.98855	415.27	183.30
25-Apr-18	10:52:18	Construction Boat	Travelling	95	0	40	228	29	0	22.18836	113.98106	852.17	248.72
25-Apr-18	10:53:08	Container Boat	Travelling	92	23	0	277	4	50	22.19239	113.97405	1800.03	237.32
25-Apr-18	10:53:19	Construction Boat	Travelling	95	29	0	289	6	20	22.18867	113.98170	778.29	249.35
25-Apr-18	10:54:25	Construction Boat	Travelling	98	8	30	260	40	20	22.18759	113.98545	522.05	220.91
25-Apr-18	10:54:36	Government Boat	Travelling	93	7	0	214	47	50	22.17882	113.98993	1373.99	175.04
25-Apr-18	10:54:54	Construction Boat	Stationary	95	38	50	288	41	20	22.18669	113.98193	755.54	248.93
25-Apr-18	10:55:06	Construction Boat	Travelling	97	46	30	249	49	20	22.18688	113.98611	547.02	210.06
25-Apr-18	10:56:33	Construction Boat	Travelling	98	31	10	227	56	40	22.18670	113.98809	498.58	188.18
25-Apr-18	10:59:04	Construction Boat	Travelling	99	7	20	233	33	20	22.18707	113.98770	465.11	193.80
25-Apr-18	11:02:49	Construction Boat	Travelling	99	8	0	245	55	40	22.18739	113.98679	464.55	206.17
25-Apr-18	11:06:30	Construction Boat	Stationary	99	24	10	247	57	30	22.18756	113.98671	451.01	208.20
25-Apr-18	11:08:58	Construction Boat	Travelling	95	58	30	290	54	10	22.18906	113.98221	713.83	251.14
25-Apr-18	11:11:23	Construction Boat	Travelling	94	14	10	317	27	30	22.19236	113.97906	1009.23	277.70
25-Apr-18	11:12:41	Construction Boat	Travelling	93	37	50	329	1	10	22.19464	113.97796	1178.60	289.26
25-Apr-18	11:18:20	Construction Boat	Travelling	99	27	10	237	21	40	22.18729	113.98746	448.61	197.60
25-Apr-18	11:20:24	Construction Boat	Travelling	99	35	50	224	53	30	22.18717	113.98839	442.39	185.13
25-Apr-18	11:21:11	Construction Boat	Travelling	99	11	0	204	10	20	22.18713	113.98998	482.02	164.41
25-Apr-18	11:28:14	Container Boat	Travelling	92	55	50	210	20	10	22.17816	113.99110	1461.96	170.58
25-Apr-18	11:35:02	Container Boat	Travelling	92	45	10	270	35	40	22.18229	113.97705	1556.94	230.83
25-Apr-18	11:35:13	Container Boat	Travelling	91	31	50	289	15	40	22.18226	113.96313	2817.93	249.50
25-Apr-18	11:39:56	Container Boat	Travelling	91	50	50	293	28	40	22.18526	113.96706	2328.41	253.72
25-Apr-18	11:40:05	Container Boat	Travelling	92	5	30	273	3	0	22.18009	113.97278	2053.50	233.29
25-Apr-18	13:07:45	Zero	Stationary	130	35	50	0	0	0	22.19174	113.98824	86.95	320.24
25-Apr-18	13:13:07	Container Boat	Travelling	93	55	0	223	31	20	22.18135	113.98808	1089.62	183.76
25-Apr-18	13:13:29	Speedboat	Travelling	105	49	50	304	44	20	22.19093	113.98623	262.79	264.98
25-Apr-18	13:13:54	Speedboat	Travelling	100	5	40	316	56	10	22.19161	113.98474	418.59	277.18
25-Apr-18	13:14:06	Speedboat	Travelling	98	21	0	322	26	10	22.19214	113.98396	507.76	282.68
25-Apr-18	13:21:09	Container Boat	Travelling	92	9	30	289	40	30	22.18500	113.97066	1984.86	249.92
25-Apr-18	13:53:30	Transportation Boat	Travelling	99	43	10	266	27	0	22.18846	113.98570	434.73	226.69
25-Apr-18	13:54:50	Transportation Boat	Travelling	97	6	20	300	15	20	22.19025	113.98305	597.43	260.50
25-Apr-18	13:56:12	Transportation Boat	Travelling	95	10	20	319	22	0	22.19237	113.98089	823.00	279.61
25-Apr-18	13:57:29	Transportation Boat	Travelling	93	57	50	329	6	0	22.19454	113.97891	1075.60	289.34
25-Apr-18	14:29:12	Container Boat	Travelling	94	5	10	245	6	40	22.18286	113.98444	1042.57	205.35
25-Apr-18	14:32:54	Container Boat	Travelling	92	44	40	279	21	20	22.18405	113.97574	1555.77	239.60
25-Apr-18	14:36:19	Container Boat	Travelling	91	55	40	293	28	20	22.18553	113.96805	2221.41	253.71
25-Apr-18	14:39:53	Tug boat	Travelling	96	7	30	284	37	0	22.18849	113.98268	693.45	244.86
25-Apr-18	14:42:55	Tug boat	Travelling	95	54	0	275	31	40	22.18749	113.98299	720.08	235.77
25-Apr-18	14:47:38	Tug boat	Travelling	95	17	40	273	50	30	22.18690	113.98246	803.03	234.08
25-Apr-18	14:57:30	Tug boat	Stationary	95	3	0	279	26	30	22.18731	113.98171	842.00	239.68
25-Apr-18	14:58:17	Container Boat	Travelling	93	14	0	243	28	40	22.18028	113.98362	1318.51	203.72
25-Apr-18	14:59:15	Transportation Boat	Travelling	97	48	30	228	42	10	22.18632	113.98796	542.34	188.94
25-Apr-18	15:00:01	Fishing Boat	Travelling	92	30	20	245	30	10	22.17732	113.98158	1704.25	205.74
25-Apr-18	15:00:14	Transportation Boat	Travelling	98	31	0	252	20	0	22.18737	113.98618	496.61	212.57
25-Apr-18	15:01:14	Container Boat	Travelling	94	7	30	213	32	30	22.18191	113.98986	1032.02	173.78
25-Apr-18	15:01:37	Transportation Boat	Travelling	97	58	30	242	59	10	22.18675	113.98674	530.83	203.23
25-Apr-18	15:02:43	Transportation Boat	Travelling	97	39	40	204	39	50	22.18634	113.99018	552.85	164.90
25-Apr-18	15:03:05	Transportation Boat	Travelling	95	58	20	292	29	50	22.18924	113.98218	711.01	252.74
25-Apr-18	15:03:29	Tug boat	Travelling	96	5	0	235	43	10	22.18940	113.98226	697.91	253.96
25-Apr-18	15:04:46	Fishing Boat	Travelling	94	17	50	220	18	30	22.18223	113.98659	890.35	180.55
25-Apr-18	15:04:59	Tug boat	Travelling	96	14	30	295	15	50	22.19061	113.98238	680.03	255.50
25-Apr-18	15:06:16	Fishing Boat	Travelling	94	56	10	204	22	40	22.18366	113.99100	861.41	164.82
25-Apr-18	15:06:33	Tug boat	Travelling	97	6	50	291	36	0	22.18947	113.98328	595.86	251.84
25-Apr-18	15:07:10	Construction Platform	Travelling	96	59	30	291	9	0	22.18940	113.98319	606.38	251.39
25-Apr-18	15:07:16	Construction Platform	Travelling	96	38	10	292	55	30	22.18947	113.98283	639.21	253.17
25-Apr-18	15:08:43	Construction Platform	Travelling	97	6	30	287	43	20	22.18913	113.98341	596.30	247.96
25-Apr-18	15:08:51	Construction Platform	Travelling	96	35	50	288	31	40	22.18904	113.98295	643.00	248.77
25-Apr-18	15:09:13	Tug boat	Travelling	97	40	0	285	21	0	22.18908	113.98389	552.38	245.59
25-Apr-18	15:13:06	Tug boat	Travelling	97	23	0	282	49	10	22.18880	113.98381	573.79	243.06
25-Apr-18	15:13:27	Construction Platform	Stationary	95	36	50	290	20	40	22.18888	113.98184	756.61	250.58
25-Apr-18	15:13:38	Construction Platform	Stationary	95	17	20	291	21	40	22.18886	113.98137	803.45	251.60
25-Apr-18	15:18:01	Tug boat	Travelling	95	43	10	278	42	30	22.18769	113.98260	742.47	238.95
25-Apr-18	15:19:43	Tug boat	Travelling	96	8	20	279	24	40	22.18800	113.98298	691.31	239.65
25-Apr-18	15:20:04	Container Boat	Travelling	92	42	40	280	54	50	22.18431	113.97538	1573.52	241.15
25-Apr-18	15:23:58	Tug boat	Travelling	95	35	30	274	52	30	22.18723	113.98272	759.48	235.12
25-Apr-18	15:24:16	Container Boat	Travelling	94	19	40	256	66	10	22.18409	113.98301	982.93	217.18
25-Apr-18	15:28:25	Tug boat	Stationary	94	21	10	284	16	50	22.18736	113.98020	977.17	244.52
25-Apr-18	15:28:40	Container Boat	Travelling	94	43	50	206	0	10	22.18328	113.99085	898.67	166.24
25-Apr-18	15:30:33	Container Boat	Travelling	93	24	0	206	40	0	22.18016	113.99154	1252.70	166.91
25-Apr-18	15:38:13	Container Boat	Travelling	92	36	0	281	32	40	22.18416	113.97473	1640.63	241.78
25-Apr-18	15:42:23	Container Boat	Travelling	91	47	0	296	45	30	22.18628	113.96605	2400.35	257.00
27-Apr-18	9:29:42	Zero	Stationary	115	55	30	0	0	0	22.19220	113.98783	152.91	320.24
27-Apr-18	9:33:42	Construction Platform	Stationary	99	12	10	248	49	0	22.18753	113.98661	458.95	209.06
27-Apr-18	9:33:49	Construction Platform	Stationary	98	56	0	254	15	0	22.18763	113.98617	473.04	214.49
27-Apr-18	9:34:07	Construction Platform	Stationary	96	35	10	275	18	20	22.18786	113.98362	644.16	235.55
27-Apr-18	9:34:18	Construction Platform	Stationary	96	21	40	278	50	30	22.18805	113.98321	667.17	239.08
27-Apr-18	9:35:26	Buoy	Stationary	94	25	30	328	0	40	22.19385	113.97990	961.65	288.25
27-Apr-18	9:35:32	Buoy	Stationary	94	18	20	324	0	10	22.19333	113.97947	988.49	284.24
27-Apr-18	9:35:38	Buoy	Stationary	94	13	40	319	53	20	22.19273	113.97915	1006.79	280.13
27-Apr-18	9:35:47	Buoy	Stationary	94	1	40	312	30	30	22.19159	113.97852	1057.08	272.75
27-Apr-18	9:35:54	Buoy	Stationary	94	11	10	300	23	20	22.18965	113.97903	1016.88	260.63
27-Apr-18	9:36:02	Buoy	Stationary	94	27	40	284	4	0	22.18742	113.98042	953.84	244.31
27-Apr-18	9:36:19	Buoy	Stationary	97	2	40	226	36	30	22.18576	113.98006	601.88	196.85
27-Apr-18	9:36:26	Buoy	Stationary	97	7	30	222	28	50	22.18579	113.98850	595.00	182.72
27-Apr-18	9:36:32	Buoy	Stationary	96	59	20	205	52	40	22.18584	113.99019	606.72	166.12
27-Apr-18	9:36:47	Buoy	Stationary	96	42	10	198	13	50	22.18584	113.99104	632.90	158.47
27-Apr-18	9:37:04	Transportation Boat	Stationary	94	23	20	284	53	0	22.18747	113.98023	969.66	245.12
27-Apr-18	9:37:33	Transportation Boat	Stationary	92	41	30	276	33	10	22.18332	113.97588	1585.67	236.79
27-Apr-18	10:07:08	Government Boat	Travelling	92	42	20	242	59	20	22.17808	113.98272	1579.21	203.23
27-Apr-18	10:08:06	Government Boat	Travelling	93	38	50	220	56	10	22.18062	113.98854	1169.43	181.18

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horiz Degrees	Fix Horiz Minutes	Fix Horiz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
27-Apr-18	10:43:30	Fishing Boat	Stationary	93	4	30	242	5	40	22.17956	113.98364	1390.67	202.33
27-Apr-18	10:46:31	Container Boat	Travelling	91	46	20	272	33	0	22.18468	113.96627	2424.88	252.79
27-Apr-18	10:46:39	Container Boat	Travelling	93	22	50	274	54	50	22.18464	113.97069	1264.47	235.15
27-Apr-18	10:51:12	Container Boat	Travelling	91	53	20	299	3	50	22.18734	113.96706	2273.85	259.30
27-Apr-18	10:59:56	Tug boat	Travelling	96	6	50	267	36	30	22.18693	113.98376	696.97	227.85
27-Apr-18	11:00:57	Tug boat	Stationary	95	53	0	265	51	20	22.18662	113.98370	724.55	226.10
27-Apr-18	11:01:28	Fishing Boat	Stationary	93	3	40	236	34	40	22.17909	113.98485	1398.28	196.82
27-Apr-18	11:01:39	Government Boat	Stationary	93	2	40	237	2	50	22.17906	113.98472	1405.99	197.29
27-Apr-18	11:03:33	Tug boat	Travelling	96	11	0	278	56	20	22.18796	113.98303	689.20	239.18
27-Apr-18	11:05:47	Tug boat	Travelling	95	48	30	275	2	40	22.18738	113.98291	734.17	235.28
27-Apr-18	11:08:13	Tug boat	Stationary	95	38	40	273	34	20	22.18712	113.98285	755.75	233.81
27-Apr-18	11:10:39	Transportation Boat	Travelling	97	18	40	303	0	40	22.19052	113.98316	582.11	263.25
27-Apr-18	11:12:00	Transportation Boat	Stationary	96	42	40	309	6	20	22.19107	113.98261	634.78	269.35
27-Apr-18	11:12:28	Tug boat	Travelling	95	34	10	278	15	50	22.18754	113.98243	766.17	238.50
27-Apr-18	11:14:36	Tug boat	Travelling	95	17	0	285	53	30	22.18820	113.98160	808.06	246.13
27-Apr-18	11:15:14	Construction Platform	Travelling	95	33	0	283	52	0	22.18812	113.98205	768.98	244.11
27-Apr-18	11:15:19	Construction Platform	Travelling	95	25	20	287	25	30	22.18845	113.98170	787.24	247.67
27-Apr-18	11:17:38	Tug boat	Travelling	94	37	30	286	40	10	22.18815	113.98040	924.03	248.91
27-Apr-18	11:17:51	Construction Platform	Travelling	95	2	40	288	40	0	22.18840	113.98110	848.74	248.91
27-Apr-18	11:17:56	Construction Platform	Travelling	94	48	0	290	11	40	22.18846	113.98063	890.15	250.43
27-Apr-18	11:20:08	Construction Platform	Stationary	95	3	10	285	19	30	22.18799	113.98130	845.43	245.57
27-Apr-18	11:20:15	Construction Platform	Stationary	95	10	20	288	23	50	22.18843	113.98130	825.78	248.64
27-Apr-18	11:20:23	Tug boat	Stationary	94	20	30	291	21	50	22.18834	113.97970	984.85	251.60
27-Apr-18	11:22:58	Tug boat	Travelling	95	1	10	292	33	20	22.18887	113.98088	851.21	252.80
27-Apr-18	11:23:54	Government Boat	Travelling	92	52	20	238	19	0	22.17841	113.98416	1492.55	198.56
27-Apr-18	11:24:05	Fishing Boat	Stationary	93	1	50	235	53	0	22.17891	113.98496	1414.11	196.12
27-Apr-18	11:24:20	Tug boat	Stationary	95	37	50	293	28	0	22.18922	113.98170	758.25	253.71
27-Apr-18	11:25:46	Government Boat	Stationary	92	45	0	239	41	30	22.17795	113.98361	1559.47	199.93
27-Apr-18	11:25:59	Tug boat	Travelling	95	56	30	292	32	50	22.18922	113.98209	720.34	252.79
27-Apr-18	11:26:37	Tug boat	Stationary	95	58	0	289	32	10	22.18891	113.98225	715.29	249.78
27-Apr-18	11:26:48	Transportation Boat	Stationary	97	24	40	309	23	40	22.19111	113.98319	574.64	269.63
27-Apr-18	11:27:24	Tug boat	Travelling	95	58	30	291	16	30	22.18910	113.98219	714.31	251.52
27-Apr-18	11:27:35	Construction Platform	Travelling	95	57	20	285	7	20	22.18845	113.98245	716.67	245.36
27-Apr-18	11:27:39	Construction Platform	Travelling	95	53	50	289	2	30	22.18883	113.98220	723.82	249.28
27-Apr-18	11:28:28	Fishing Boat	Travelling	93	35	50	226	27	20	22.18050	113.98743	1190.43	186.70
27-Apr-18	11:28:49	Transportation Boat	Stationary	97	33	10	320	9	0	22.19205	113.98339	563.79	280.39
27-Apr-18	11:29:56	Fishing Boat	Travelling	92	9	0	219	55	50	22.17315	113.98872	1998.97	180.17
27-Apr-18	11:30:35	Construction Platform	Travelling	96	5	50	295	1	20	22.18954	113.98220	699.99	255.26
27-Apr-18	11:30:42	Construction Platform	Travelling	95	46	50	297	51	50	22.18977	113.98175	738.67	258.10
27-Apr-18	11:30:49	Tug boat	Travelling	95	30	30	299	32	10	22.18990	113.98136	775.46	259.78
27-Apr-18	11:31:20	Fishing Boat	Travelling	92	46	50	235	13	10	22.17776	113.98478	1542.66	195.46
27-Apr-18	11:37:56	Tug boat	Stationary	94	43	0	304	18	30	22.19036	113.98000	906.91	264.55
27-Apr-18	11:38:21	Construction Platform	Stationary	95	24	50	295	24	30	22.18938	113.98135	789.39	255.65
27-Apr-18	11:38:30	Construction Platform	Stationary	95	16	30	298	1	20	22.18966	113.98107	810.34	258.26
27-Apr-18	11:39:15	Fishing Boat	Stationary	92	45	0	235	53	0	22.17765	113.98457	1560.55	196.12
27-Apr-18	11:56:48	Tug boat	Travelling	95	33	10	291	7	10	22.18892	113.98168	770.20	251.36
27-Apr-18	12:01:45	Tug boat	Stationary	95	31	40	284	9	50	22.18813	113.98199	773.89	244.40
27-Apr-18	12:06:26	Fishing Boat	Travelling	92	47	30	240	44	50	22.17821	113.98342	1539.12	200.99
27-Apr-18	12:08:22	Transportation Boat	Travelling	93	4	40	268	52	50	22.18292	113.97852	1395.31	229.12
27-Apr-18	12:08:34	Speedboat	Travelling	93	1	10	285	59	20	22.18598	113.97613	1422.44	246.23
27-Apr-18	12:09:33	Tug boat	Travelling	96	17	30	278	36	50	22.18798	113.98313	670.45	238.65
27-Apr-18	12:10:14	Transportation Boat	Travelling	95	12	30	236	1	40	22.18404	113.98654	822.03	196.27
27-Apr-18	12:10:20	Speedboat	Travelling	95	44	0	264	13	40	22.18635	113.98370	746.23	224.47
27-Apr-18	12:10:30	Tug boat	Travelling	98	4	30	272	46	0	22.18828	113.98468	527.93	233.01
27-Apr-18	12:10:39	Fishing Boat	Travelling	92	31	50	263	6	50	22.18002	113.97744	1699.41	223.35
27-Apr-18	12:11:10	Transportation Boat	Travelling	96	13	20	205	9	10	22.18515	113.99046	687.15	165.39
27-Apr-18	12:11:27	Speedboat	Travelling	100	10	30	225	31	10	22.18740	113.98837	417.30	185.76
27-Apr-18	12:11:59	Tug boat	Travelling	98	31	50	269	54	50	22.18826	113.98505	499.37	230.15
27-Apr-18	12:15:10	Government Boat	Travelling	93	44	0	213	4	30	22.18087	113.99008	1149.37	173.32
27-Apr-18	12:15:28	Fishing Boat	Travelling	91	56	20	282	16	10	22.18190	113.98961	2223.83	242.51
27-Apr-18	12:15:53	Government Boat	Travelling	94	9	10	200	18	20	22.18238	113.99212	1032.69	160.55
27-Apr-18	12:16:36	Tug boat	Stationary	100	27	30	287	6	10	22.18973	113.98514	405.83	247.34
27-Apr-18	12:19:45	Tug boat	Travelling	97	8	50	293	7	10	22.18960	113.98321	597.61	253.36
27-Apr-18	12:22:27	Tug boat	Travelling	95	5	20	293	0	20	22.18895	113.98094	841.89	253.25
27-Apr-18	12:23:01	Construction Platform	Travelling	95	25	10	289	58	0	22.18869	113.98157	790.21	249.67
27-Apr-18	12:23:07	Construction Platform	Travelling	95	9	20	291	53	40	22.18894	113.98109	830.96	252.13
27-Apr-18	12:26:37	Tug boat	Travelling	95	0	40	303	9	20	22.19025	113.98052	855.19	263.40
27-Apr-18	12:26:48	Construction Platform	Travelling	95	23	0	299	38	50	22.18988	113.98116	795.67	259.89
27-Apr-18	12:26:54	Construction Platform	Travelling	95	7	20	301	30	20	22.19006	113.98073	836.53	261.75
27-Apr-18	12:30:25	Tug boat	Stationary	94	50	50	302	2	50	22.19007	113.98026	884.43	262.29
27-Apr-18	12:31:00	Construction Platform	Stationary	95	28	30	291	29	30	22.18893	113.98156	782.38	251.73
27-Apr-18	12:31:06	Construction Platform	Stationary	95	13	40	293	32	10	22.18908	113.98113	819.65	253.78
27-Apr-18	12:34:34	Container Boat	Travelling	94	58	0	221	31	0	22.18337	113.98852	863.16	181.76
27-Apr-18	12:39:23	Container Boat	Travelling	93	16	40	281	30	0	22.18555	113.97755	1311.32	241.74
27-Apr-18	12:42:08	Container Boat	Travelling	92	18	30	295	33	20	22.18702	113.97119	1866.67	255.80
27-Apr-18	13:22:39	Zero	Stationary	107	46	30	0	0	0	22.19276	113.98732	234.10	320.24
27-Apr-18	13:22:59	Container Boat	Travelling	92	25	10	257	5	50	22.17839	113.97827	1781.98	217.34
27-Apr-18	13:27:12	Container Boat	Travelling	92	41	20	228	8	20	22.17687	113.98651	1602.24	188.38
27-Apr-18	13:30:36	Container Boat	Travelling	92	25	40	205	5	30	22.17568	113.99315	1775.94	165.33
27-Apr-18	14:02:12	Container Boat	Travelling	94	16	20	233	55	40	22.18236	113.98639	1005.59	194.17
27-Apr-18	14:10:08	Container Boat	Travelling	92	1	0	295	10	50	22.18629	113.98364	2141.04	255.42
27-Apr-18	14:34:56	Container Boat	Travelling	92	58	50	251	18	30	22.18007	113.98144	1443.08	211.55
27-Apr-18	14:38:04	Container Boat	Travelling	94	23	30	215	32	50	22.18237	113.98948	977.08	175.79
27-Apr-18	14:38:18	Container Boat	Travelling	94	49	30	248	10	10	22.18410	113.98467	888.80	208.41
27-Apr-18	14:39:08	Container Boat	Travelling	94	27	0	197	41	50	22.18310	113.99230	964.15	157.94
27-Apr-18	14:50:03	Container Boat	Travelling	91	28	50	305	3	30	22.18898	113.96045	2924.69	265.30
27-Apr-18	14:55:10	Container Boat	Travelling	93	56	0	218	2	30	22.18133	113.98910	1090.69	178.28
27-Apr-18	14:55:39	Transportation Boat	Travelling	99	2	40	260	47	20	22.18794	113.98578	470.64	221.03
27-Apr-18	14:56:22	Container Boat	Travelling	94	5	40	202	31	0	22.18214	113.99180	1047.47	162.76
27-Apr-18	14:56:37	Transportation Boat	Travelling	98	46	30	255	25	50	22.18759	113.98603	485.31	215.67

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horiz Degrees	Fix Horiz Minutes	Fix Horiz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
30-Apr-18	9:45:38	Buoy	Stationary	94	16	0	323	59	30	22.19333	113.97943	992.55	284.23
30-Apr-18	9:45:44	Buoy	Stationary	94	11	40	319	53	40	22.19274	113.97912	1009.75	280.13
30-Apr-18	9:45:51	Buoy	Stationary	93	59	50	312	32	20	22.19160	113.97049	1059.86	272.70
30-Apr-18	9:45:59	Buoy	Stationary	94	9	40	300	27	30	22.18966	113.97901	1017.89	260.78
30-Apr-18	9:46:14	Buoy	Stationary	94	25	30	283	54	20	22.18738	113.98041	956.85	244.15
30-Apr-18	9:46:25	Buoy	Stationary	97	0	40	226	39	0	22.18576	113.98808	601.73	186.89
30-Apr-18	9:46:31	Buoy	Stationary	97	6	10	222	35	10	22.18580	113.98849	593.89	182.83
30-Apr-18	9:46:40	Buoy	Stationary	96	57	10	206	4	0	22.18583	113.99017	606.84	166.31
30-Apr-18	9:47:01	Buoy	Stationary	96	41	0	198	21	10	22.18585	113.99102	631.57	158.59
30-Apr-18	9:47:16	Tug boat	Stationary	94	21	0	283	41	50	22.18729	113.98028	973.46	243.94
30-Apr-18	9:47:32	Construction Boat	Stationary	100	54	0	228	2	10	22.18772	113.98824	384.21	188.28
30-Apr-18	9:47:58	Fishing Boat	Stationary	107	44	50	285	1	20	22.19027	113.98674	231.15	245.26
30-Apr-18	9:49:34	Speedboat	Travelling	104	47	0	304	12	50	22.19090	113.98607	280.35	264.45
30-Apr-18	9:50:05	Speedboat	Travelling	99	7	20	321	3	20	22.19195	113.98439	460.83	281.30
30-Apr-18	9:50:17	Construction Boat	Travelling	100	41	30	257	50	20	22.18836	113.98643	391.90	218.08
30-Apr-18	9:50:51	Construction Boat	Travelling	99	1	20	268	0	30	22.18835	113.98540	466.04	228.25
30-Apr-18	9:53:04	Construction Boat	Travelling	95	35	20	283	4	40	22.18808	113.98221	756.53	243.32
30-Apr-18	9:56:13	Construction Boat	Stationary	95	40	50	283	4	50	22.18813	113.98239	744.28	243.32
30-Apr-18	10:04:32	Construction Boat	Travelling	95	35	50	280	49	20	22.18785	113.98235	755.62	241.06
30-Apr-18	10:05:35	Construction Boat	Travelling	94	54	20	284	21	0	22.18781	113.98120	862.99	244.59
30-Apr-18	10:07:37	Construction Boat	Travelling	93	50	20	299	0	20	22.18928	113.97823	1104.45	259.25
30-Apr-18	10:11:18	Construction Boat	Travelling	93	19	10	330	33	20	22.19522	113.97716	1278.47	290.80
30-Apr-18	10:33:48	Container Boat	Travelling	92	6	0	275	27	30	22.18085	113.97249	2029.23	235.70
30-Apr-18	10:38:11	Container Boat	Travelling	92	36	20	248	2	30	22.17820	113.98126	1632.90	208.28
30-Apr-18	10:44:18	Container Boat	Travelling	92	37	10	200	17	10	22.17735	113.99404	1624.63	160.53
30-Apr-18	10:52:21	Transportation Boat	Travelling	98	20	40	220	32	30	22.18659	113.98871	505.65	180.78
30-Apr-18	10:52:42	Transportation Boat	Travelling	99	9	20	227	16	10	22.18703	113.98819	460.17	187.51
30-Apr-18	10:53:35	Transportation Boat	Travelling	100	1	0	228	9	0	22.18740	113.98818	419.90	188.39
30-Apr-18	10:57:27	Transportation Boat	Travelling	98	1	50	199	9	10	22.18671	113.99058	525.84	159.39
30-Apr-18	11:33:20	Speedboat	Travelling	107	38	30	285	8	10	22.19026	113.98671	233.70	245.38
30-Apr-18	11:33:35	Speedboat	Stationary	107	50	50	286	26	0	22.19032	113.98672	230.83	246.67
30-Apr-18	11:37:03	Speedboat	Travelling	107	50	50	281	5	20	22.19014	113.98681	230.88	241.33
30-Apr-18	11:37:38	Speedboat	Travelling	108	33	0	251	31	40	22.18944	113.98764	221.53	211.77
30-Apr-18	11:38:20	Speedboat	Stationary	104	19	30	220	34	10	22.18852	113.98874	291.14	160.81
30-Apr-18	11:47:51	Research Vessel	Travelling	93	13	0	307	4	50	22.19058	113.97590	1328.00	267.32
30-Apr-18	11:49:07	Research Vessel	Stationary	93	11	50	296	34	0	22.18840	113.97615	1334.22	256.81
30-Apr-18	11:52:51	Research Vessel	Travelling	93	6	30	292	43	10	22.18752	113.97602	1372.94	252.96
30-Apr-18	11:58:14	Research Vessel	Travelling	91	59	20	259	36	50	22.17626	113.97536	2163.93	219.85
30-Apr-18	12:14:26	Container Boat	Travelling	92	1	30	280	0	50	22.18168	113.97091	2117.47	240.25
30-Apr-18	13:17:49	Construction Boat	Travelling	99	3	50	227	37	10	22.18695	113.98815	469.35	187.86
30-Apr-18	13:18:37	Construction Boat	Travelling	100	2	20	224	19	20	22.18734	113.98845	422.96	184.56
30-Apr-18	13:19:13	Construction Boat	Travelling	99	56	30	223	30	20	22.18730	113.98851	427.20	183.75
30-Apr-18	13:24:58	Zero	Stationary	94	52	20	0	0	0	22.19722	113.98331	879.34	320.24
30-Apr-18	13:26:09	Fishing Boat	Travelling	107	56	30	245	47	20	22.18927	113.98779	231.34	206.03
30-Apr-18	13:27:32	Fishing Boat	Travelling	110	26	10	285	52	10	22.19041	113.98699	201.05	246.11
30-Apr-18	13:29:39	Fishing Boat	Travelling	109	28	50	280	32	30	22.19021	113.98698	211.81	240.78
30-Apr-18	13:32:23	Fishing Boat	Travelling	100	22	20	297	39	10	22.19037	113.98489	409.48	257.89
30-Apr-18	13:34:24	Construction Boat	Travelling	98	44	50	205	26	20	22.18689	113.98995	487.21	165.68
30-Apr-18	13:34:34	Construction Boat	Travelling	98	39	10	201	5	10	22.18694	113.99031	492.62	161.33
30-Apr-18	13:36:56	Fishing Boat	Travelling	92	5	0	231	25	0	22.19532	113.97742	1257.63	291.66
30-Apr-18	14:11:43	Container Boat	Travelling	92	57	0	271	43	40	22.18304	113.97759	1461.34	231.97
30-Apr-18	14:19:32	Container Boat	Travelling	91	37	20	301	4	20	22.18750	113.98308	2674.33	261.31
30-Apr-18	14:19:49	Container Boat	Travelling	92	55	0	257	29	20	22.18061	113.97998	1478.93	217.73
30-Apr-18	14:20:21	Transportation Boat	Travelling	96	42	40	318	19	30	22.19200	113.98263	639.19	278.57
30-Apr-18	14:29:16	Container Boat	Travelling	91	27	40	298	9	0	22.18575	113.96044	2976.43	258.39
30-Apr-18	14:29:38	Container Boat	Travelling	92	43	10	243	19	0	22.17804	113.98261	1587.89	203.56
30-Apr-18	14:29:59	Container Boat	Travelling	95	18	50	233	51	30	22.18407	113.98686	809.34	194.10
30-Apr-18	14:35:30	Container Boat	Travelling	93	35	40	247	48	20	22.18161	113.98330	1199.75	208.05
30-Apr-18	14:35:41	Container Boat	Travelling	92	17	30	269	20	30	22.18013	113.97481	1887.45	229.58
30-Apr-18	14:35:55	Container Boat	Travelling	91	30	10	270	10	40	22.17455	113.96711	2893.58	230.42
30-Apr-18	14:36:04	Container Boat	Travelling	92	7	0	279	46	50	22.18194	113.97156	2045.02	240.02
30-Apr-18	14:36:24	Transportation Boat	Stationary	96	51	20	308	43	20	22.19104	113.98269	626.21	268.96
30-Apr-18	14:38:27	Container Boat	Travelling	95	33	10	204	42	30	22.18441	113.99073	774.67	164.95
30-Apr-18	14:38:44	Container Boat	Travelling	92	40	20	249	37	0	22.17852	113.98095	1617.04	209.86
30-Apr-18	14:38:54	Container Boat	Travelling	93	27	0	239	42	10	22.18056	113.98463	1250.53	199.94
30-Apr-18	14:43:04	Container Boat	Travelling	92	53	50	214	30	30	22.17778	113.99010	1491.05	174.75
30-Apr-18	14:43:15	Container Boat	Travelling	92	38	50	283	14	50	22.18458	113.97458	1632.86	243.49
30-Apr-18	14:48:53	Container Boat	Travelling	91	31	20	303	7	10	22.18816	113.96119	2858.15	263.36
30-Apr-18	15:13:55	Tug boat	Travelling	96	43	0	281	36	30	22.18842	113.98329	640.61	241.85
30-Apr-18	15:16:09	Construction Platform	Travelling	96	44	30	279	52	10	22.18828	113.98340	638.28	240.11
30-Apr-18	15:16:27	Construction Platform	Travelling	96	45	30	285	18	40	22.18877	113.98314	636.70	245.55
30-Apr-18	15:28:27	Construction Platform	Stationary	96	32	50	278	40	10	22.18808	113.98330	657.79	238.91
30-Apr-18	15:28:36	Construction Platform	Stationary	96	27	50	282	33	30	22.18840	113.98302	666.36	242.80
30-Apr-18	15:29:16	Tug boat	Travelling	96	32	40	288	12	20	22.18896	113.98283	658.10	248.45
30-Apr-18	15:32:21	Tug boat	Travelling	95	27	0	279	16	20	22.18752	113.98215	791.58	239.51
30-Apr-18	15:37:43	Tug boat	Travelling	96	18	30	273	45	0	22.18752	113.98341	683.21	233.99
30-Apr-18	15:42:11	Tug boat	Travelling	98	28	0	258	17	40	22.18757	113.98571	507.36	218.53
30-Apr-18	15:42:30	Construction Platform	Travelling	98	19	40	259	2	30	22.18754	113.98560	515.96	219.28
30-Apr-18	15:42:39	Construction Platform	Travelling	98	3	10	262	21	10	22.18760	113.98527	533.84	222.59
30-Apr-18	15:44:00	Construction Platform	Stationary	99	29	30	255	3	50	22.18782	113.98624	451.72	215.30
30-Apr-18	15:44:06	Construction Platform	Stationary	99	15	30	260	54	40	22.18800	113.98581	463.32	221.15
2-May-18	9:27:52	Zero	Stationary	136	42	20	0	0	0	22.19162	113.98835	69.50	320.24
2-May-18	9:32:14	Construction Platform	Stationary	100	28	0	221	29	40	22.18755	113.98968	399.33	181.73
2-May-18	9:32:21	Construction Platform	Stationary	100	43	20	228	5	50	22.18767	113.98823	389.59	188.34
2-May-18	9:32:41	Construction Platform	Stationary	99	1	50	276	24	40	22.18884	113.98501	464.19	236.65
2-May-18	9:32:56	Construction Platform	Stationary	98	30	30	280	37	30	22.18898	113.98459	493.16	240.87
2-May-18	9:33:11	Buoy	Stationary	94	21	40	328	4	50	22.19388	113.97985	968.10	288.32
2-May-18	9:33:18	Buoy	Stationary	94	13	50	324	5	10	22.19336	113.97938	998.15	284.33
2-May-18	9:33:23	Buoy	Stationary	94	10	0	319	57	10	22.19275	113.97908	1013.55	280.19
2-May-18	9:33:29	Buoy	Stationary	93	59	0	312	35	30	22.19161	113.97848	1060.47	272.83
2-May-18	9:33:36												

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
2-May-18	10:30:38	Fishing Boat	Travelling	93	12	0	279	24	40	22.18513	113.97769	1321.89	239.65
2-May-18	10:31:55	Fishing Boat	Travelling	106	3	20	259	27	0	22.18916	113.98751	236.34	210.69
2-May-18	10:33:40	Fishing Boat	Travelling	93	47	40	319	14	30	22.19279	113.97810	1113.79	279.48
2-May-18	10:42:41	Fishing Boat	Travelling	91	3	40	306	21	30	22.18897	113.94945	4053.27	266.60
2-May-18	10:48:04	Transportation Boat	Travelling	98	36	0	291	5	30	22.18973	113.98428	488.07	251.33
2-May-18	10:49:21	Transportation Boat	Travelling	99	43	40	279	39	20	22.18920	113.98516	430.56	239.90
2-May-18	10:49:47	Transportation Boat	Travelling	100	29	40	260	57	40	22.18844	113.98623	398.46	221.20
2-May-18	10:50:52	Transportation Boat	Travelling	100	4	10	227	25	20	22.18743	113.98824	415.67	187.66
2-May-18	10:52:02	Transportation Boat	Travelling	97	36	10	196	7	40	22.18658	113.99093	553.10	156.37
2-May-18	10:57:01	Tug boat	Travelling	95	21	30	279	48	30	22.18760	113.98215	787.48	240.05
2-May-18	10:57:46	Tug boat	Travelling	95	45	30	270	52	30	22.18700	113.98324	732.40	231.12
2-May-18	11:01:31	Tug boat	Travelling	95	47	20	274	38	0	22.18737	113.98299	728.59	234.87
2-May-18	11:02:20	Transportation Boat	Travelling	101	44	50	217	39	10	22.18795	113.98890	355.06	177.89
2-May-18	11:02:45	Tug boat	Travelling	95	46	20	274	37	50	22.18735	113.98297	730.74	234.87
2-May-18	11:03:11	Transportation Boat	Travelling	99	42	30	234	6	10	22.18738	113.98774	431.61	194.34
2-May-18	11:05:04	Transportation Boat	Travelling	99	34	0	226	42	30	22.18722	113.98626	438.16	186.95
2-May-18	11:07:01	Transportation Boat	Travelling	98	38	50	223	41	10	22.18679	113.98846	484.68	183.93
2-May-18	11:07:59	Tug boat	Travelling	96	10	50	278	15	0	22.18793	113.98313	682.19	238.49
2-May-18	11:08:39	Tug boat	Travelling	96	56	20	278	31	0	22.18831	113.98373	606.97	238.76
2-May-18	11:11:00	Tug boat	Travelling	97	26	0	281	54	40	22.18876	113.98391	566.20	242.15
2-May-18	11:11:13	Transportation Boat	Stationary	98	45	10	236	59	30	22.18702	113.98740	479.75	197.23
2-May-18	11:17:25	Transportation Boat	Travelling	98	34	40	236	59	40	22.18693	113.98737	489.81	197.23
2-May-18	11:17:34	Tug boat	Stationary	96	8	0	289	1	10	22.18895	113.98253	687.72	249.26
2-May-18	11:21:56	Tug boat	Travelling	98	40	0	299	30	30	22.19036	113.98414	484.79	259.75
2-May-18	11:22:18	Construction Platform	Travelling	98	44	0	291	21	20	22.18977	113.98434	481.04	251.60
2-May-18	11:22:28	Construction Platform	Travelling	98	49	40	297	56	10	22.19026	113.98425	475.81	258.18
2-May-18	11:23:40	Tug boat	Travelling	99	6	50	307	30	10	22.19098	113.98430	460.65	267.74
2-May-18	11:24:11	Construction Platform	Stationary	99	44	50	294	56	20	22.19015	113.98474	430.18	255.18
2-May-18	11:24:20	Construction Platform	Stationary	99	17	30	299	31	50	22.19042	113.98446	451.69	259.77
2-May-18	11:25:10	Tug boat	Travelling	97	47	40	306	2	0	22.19082	113.98354	539.94	266.27
2-May-18	11:25:31	Transportation Boat	Stationary	98	28	0	225	12	0	22.18669	113.98632	496.50	185.44
2-May-18	11:28:30	Fishing Boat	Travelling	94	38	20	233	37	40	22.18317	113.98665	911.52	193.87
2-May-18	11:28:50	Transportation Boat	Travelling	98	39	20	222	6	10	22.18677	113.98858	485.56	182.34
2-May-18	11:29:03	Tug boat	Travelling	98	24	40	293	18	20	22.18986	113.98412	499.90	253.55
2-May-18	11:30:56	Tug boat	Travelling	97	8	10	280	21	0	22.18853	113.98378	590.52	240.59
2-May-18	11:31:18	Fishing Boat	Travelling	93	11	10	256	57	30	22.18160	113.98096	1330.16	217.20
2-May-18	11:32:41	Tug boat	Travelling	97	5	30	276	43	20	22.18822	113.98394	594.31	236.96
2-May-18	11:35:51	Tug boat	Travelling	96	17	20	290	45	10	22.18917	113.98261	671.07	250.99
2-May-18	11:37:23	Tug boat	Travelling	94	32	10	284	38	50	22.18758	113.98057	932.66	244.89
2-May-18	11:37:47	Container Boat	Travelling	93	42	10	209	27	10	22.18101	113.99077	1143.92	169.69
2-May-18	11:39:25	Transportation Boat	Travelling	102	7	10	214	19	50	22.18805	113.98909	344.34	174.57
2-May-18	11:39:40	Transportation Boat	Stationary	98	28	10	198	27	0	22.18698	113.99053	496.64	158.69
2-May-18	11:40:01	Tug boat	Stationary	94	37	10	284	26	20	22.18761	113.98073	915.85	244.68
2-May-18	11:40:18	Container Boat	Travelling	93	52	10	237	18	40	22.18175	113.98557	1094.51	197.55
2-May-18	11:41:34	Transportation Boat	Travelling	103	5	50	246	6	10	22.18858	113.98741	317.84	206.34
2-May-18	11:45:34	Transportation Boat	Travelling	97	39	10	278	6	20	22.18854	113.98422	550.57	238.35
2-May-18	11:45:44	Container Boat	Travelling	92	32	0	279	31	40	22.18354	113.97470	1676.51	239.77
2-May-18	11:48:11	Transportation Boat	Travelling	96	53	30	271	28	10	22.18772	113.98411	612.19	231.71
2-May-18	11:52:44	Transportation Boat	Travelling	98	48	40	215	41	20	22.18685	113.98911	477.39	175.93
2-May-18	11:53:07	Transportation Boat	Travelling	99	16	0	225	8	50	22.18708	113.98836	453.54	185.39
2-May-18	11:55:08	Container Boat	Travelling	94	6	0	221	6	20	22.18184	113.98954	1033.38	181.35
2-May-18	11:56:23	Transportation Boat	Travelling	99	45	30	239	17	30	22.18749	113.98738	430.34	199.53
2-May-18	11:56:57	Transportation Boat	Travelling	101	34	30	242	33	50	22.18814	113.98742	361.34	202.80
2-May-18	11:57:06	Transportation Boat	Travelling	101	32	50	266	23	30	22.18890	113.98622	362.23	226.63
2-May-18	11:57:58	Transportation Boat	Stationary	100	22	10	279	36	30	22.18931	113.98538	404.49	239.85
2-May-18	11:58:18	Transportation Boat	Travelling	100	58	40	225	50	40	22.18772	113.98838	381.56	186.08
2-May-18	11:58:30	Container Boat	Travelling	93	25	20	261	10	0	22.18277	113.98081	1239.53	221.41
2-May-18	11:59:58	Transportation Boat	Stationary	100	50	20	227	44	10	22.18769	113.98826	386.61	187.98
2-May-18	12:00:15	Transportation Boat	Stationary	101	55	0	279	13	10	22.18953	113.98584	350.74	239.46
2-May-18	12:02:38	Transportation Boat	Travelling	101	55	50	286	35	50	22.18990	113.98565	350.37	246.84
2-May-18	12:06:30	Transportation Boat	Travelling	100	31	30	283	22	30	22.18954	113.98531	398.56	243.62
2-May-18	12:07:39	Transportation Boat	Travelling	100	7	0	279	20	20	22.18925	113.98530	415.04	239.58
2-May-18	12:08:01	Container Boat	Travelling	91	24	20	301	30	20	22.18720	113.95947	3047.33	261.75
2-May-18	12:08:27	Transportation Boat	Travelling	102	33	50	261	28	50	22.18691	113.98663	352.28	221.72
2-May-18	12:08:45	Container Boat	Travelling	93	30	10	220	41	0	22.18023	113.98859	1212.51	180.92
2-May-18	12:08:55	Container Boat	Travelling	93	39	10	201	42	20	22.18120	113.99228	1161.53	161.95
2-May-18	12:09:23	Transportation Boat	Travelling	100	56	0	203	13	40	22.18783	113.98984	383.38	183.47
2-May-18	12:16:51	Container Boat	Travelling	92	3	0	288	24	50	22.18433	113.96996	2079.07	248.65
2-May-18	12:17:10	Container Boat	Travelling	92	45	10	280	3	50	22.18425	113.97574	1544.62	240.30
2-May-18	12:23:20	Container Boat	Travelling	91	15	10	305	53	10	22.18905	113.95551	3431.08	266.13
2-May-18	12:23:43	Container Boat	Travelling	91	34	30	300	25	50	22.18717	113.96273	2716.40	260.67
2-May-18	12:31:58	Container Boat	Travelling	94	45	20	223	23	10	22.18313	113.98823	892.06	183.63
2-May-18	12:35:41	Transportation Boat	Travelling	94	14	10	219	54	20	22.18212	113.98875	1002.38	180.15
2-May-18	12:36:04	Container Boat	Travelling	93	52	20	271	30	30	22.18503	113.98040	1097.16	231.75
2-May-18	12:42:05	Container Boat	Travelling	92	3	0	300	2	40	22.18798	113.96883	2082.38	260.28
2-May-18	12:42:15	Transportation Boat	Travelling	92	56	20	276	39	40	22.18402	113.97698	1448.49	236.90
2-May-18	13:21:51	Zero	Stationary	103	52	20	0	0	0	22.19322	113.98690	301.30	320.24
2-May-18	13:22:17	Fishing Boat	Travelling	92	26	10	328	25	40	22.19619	113.97262	1754.59	288.67
2-May-18	13:22:33	Fishing Boat	Travelling	92	3	0	318	27	20	22.19398	113.96871	2088.28	278.70
2-May-18	13:49:07	Zero	Stationary	100	57	40	0	0	0	22.19380	113.98638	385.00	320.24
2-May-18	13:49:38	Fishing Boat	Travelling	92	9	0	325	35	40	22.19603	113.97013	1894.25	285.83
2-May-18	13:52:31	Container Boat	Travelling	94	41	30	212	1	10	22.18303	113.98997	909.45	172.26
2-May-18	13:56:47	Container Boat	Travelling	94	14	0	266	1	30	22.18486	113.98169	1008.86	226.27
2-May-18	14:01:17	Container Boat	Travelling	92	24	50	288	32	50	22.18535	113.97269	1778.04	248.79
2-May-18	14:01:33	Fishing Boat	Stationary	92	24	10	323	8	0	22.19485	113.97191	1784.35	283.37
2-May-18	14:02:03	Fishing Boat	Travelling	91	46	50	319	30	40	22.19482	113.96564	2415.31	279.75
2-May-18	14:04:53	Transportation Boat	Travelling	98	20	0	223	0	40	22.18656	113.98850	509.72	183.25
2-May-18	14:06:32	Transportation Boat	Travelling	100	12	0	265	55	40	22.18855	113.98587	414.97	226.17
2-May-18	14:07:00	Fishing Boat	Travelling	91	16	0	308	34	0	22.19049	113.95557	3417.76	268.81
2-May-18	14:09:16	Transportation Boat	Travelling	94	59	40	318	33	40	22.19232	113.98057	855.05	278.80
2-May-18	14:10:												

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horiz Degrees	Fix Horiz Minutes	Fix Horiz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
2-May-18	14:47:10	Speedboat	Travelling	93	54	40	317	29	50	22.19247	113.97822	1096.59	277.74
2-May-18	14:48:01	Speedboat	Travelling	94	6	10	328	17	20	22.19413	113.97815	1045.14	288.53
2-May-18	14:48:12	Speedboat	Travelling	94	10	30	330	22	30	22.19439	113.97944	1028.97	290.62
2-May-18	15:07:46	Container Boat	Travelling	93	58	10	261	34	10	22.18388	113.98177	1081.97	221.81
2-May-18	15:10:45	Container Boat	Travelling	94	55	10	216	0	30	22.18331	113.98933	872.09	176.25
2-May-18	15:11:25	Transportation Boat	Travelling	101	42	40	217	31	10	22.18788	113.98892	361.89	177.76
2-May-18	15:12:12	Transportation Boat	Travelling	99	32	10	200	35	10	22.18734	113.99020	446.61	160.83
2-May-18	15:13:32	Transportation Boat	Travelling	97	20	20	207	48	10	22.18601	113.98995	582.67	168.04
2-May-18	15:16:19	Transportation Boat	Travelling	99	20	20	232	16	50	22.18713	113.98782	456.35	192.52
2-May-18	15:16:44	Transportation Boat	Travelling	100	18	30	228	29	40	22.18747	113.98817	412.61	188.73
2-May-18	15:18:11	Research Vessel	Travelling	91	50	30	315	12	0	22.19314	113.96607	2347.23	275.44
2-May-18	15:21:06	Research Vessel	Travelling	91	43	50	331	26	20	22.19945	113.96619	2500.45	291.68
3-May-18	9:44:05	Zero	Stationary	130	34	30	0	0	0	22.19174	113.98824	86.45	320.24
3-May-18	9:49:08	Construction Platform	Stationary	100	28	10	221	32	40	22.18754	113.98866	400.63	181.78
3-May-18	9:49:16	Construction Platform	Stationary	100	43	40	228	7	10	22.18766	113.98823	390.75	188.36
3-May-18	9:49:26	Construction Platform	Stationary	103	10	10	279	53	20	22.18972	113.98611	316.37	240.13
3-May-18	9:49:33	Construction Platform	Stationary	102	19	40	286	56	30	22.18996	113.98574	338.73	247.18
3-May-18	9:49:47	Buoy	Stationary	94	23	10	328	9	10	22.19388	113.97987	965.95	288.39
3-May-18	9:49:54	Buoy	Stationary	94	15	30	324	9	10	22.19336	113.97941	995.11	284.39
3-May-18	9:49:59	Buoy	Stationary	94	11	30	319	59	50	22.19276	113.97911	1011.02	280.24
3-May-18	9:50:06	Buoy	Stationary	94	0	10	312	40	30	22.19162	113.97850	1059.01	272.92
3-May-18	9:50:13	Buoy	Stationary	94	9	40	300	34	10	22.18967	113.97901	1018.49	260.81
3-May-18	9:50:21	Buoy	Stationary	94	25	20	284	9	20	22.18741	113.98038	958.01	244.40
3-May-18	9:50:33	Buoy	Stationary	96	59	30	226	43	20	22.18575	113.98807	603.77	186.96
3-May-18	9:50:40	Buoy	Stationary	97	4	40	222	39	50	22.18578	113.98848	596.34	182.90
3-May-18	9:50:48	Buoy	Stationary	96	56	40	206	6	50	22.18582	113.99017	607.92	166.35
3-May-18	9:50:57	Buoy	Stationary	96	39	0	198	23	10	22.18582	113.99103	635.11	158.64
3-May-18	10:00:33	Container Boat	Travelling	93	18	40	231	10	20	22.17984	113.98631	1281.29	191.41
3-May-18	10:04:39	Container Boat	Travelling	92	45	0	269	30	20	22.18216	113.97732	1544.32	229.75
3-May-18	10:07:10	Tug boat	Travelling	100	20	40	273	34	0	22.18898	113.98560	405.41	233.81
3-May-18	10:07:21	Container Boat	Travelling	92	9	40	285	4	0	22.18374	113.97139	1968.70	245.31
3-May-18	10:09:26	Tug boat	Travelling	96	16	40	206	41	20	22.18524	113.99026	672.85	166.93
3-May-18	10:09:37	Container Boat	Travelling	91	47	40	293	53	30	22.18529	113.98657	2375.63	254.13
3-May-18	10:09:45	Tug boat	Travelling	98	15	50	197	8	20	22.18554	113.99130	674.35	157.38
3-May-18	10:09:59	Container Boat	Travelling	91	24	20	285	51	30	22.18455	113.98605	3044.87	256.10
3-May-18	10:21:08	Container Boat	Travelling	93	16	20	261	36	40	22.18245	113.98037	1295.99	221.85
3-May-18	10:27:41	Container Boat	Travelling	93	43	10	200	20	50	22.18147	113.99246	1139.16	160.59
3-May-18	10:27:55	Container Boat	Travelling	92	39	20	211	22	10	22.17691	113.99105	1598.77	171.61
3-May-18	10:36:57	Container Boat	Travelling	92	7	10	281	42	0	22.18264	113.97157	2006.40	241.94
3-May-18	10:42:20	Tug boat	Travelling	96	40	10	245	29	50	22.18601	113.98611	632.50	205.74
3-May-18	10:43:25	Tug boat	Travelling	95	15	30	272	44	0	22.18678	113.98254	803.80	232.97
3-May-18	10:44:57	Tug boat	Travelling	94	23	50	284	8	30	22.18739	113.98034	962.28	244.38
3-May-18	10:45:53	Tug boat	Stationary	94	24	50	284	6	10	22.18740	113.98038	958.60	244.34
3-May-18	10:46:11	Transportation Boat	Travelling	95	47	20	202	26	40	22.18487	113.99089	729.56	162.68
3-May-18	10:48:55	Transportation Boat	Travelling	100	49	20	227	12	30	22.18769	113.98829	386.77	187.45
3-May-18	10:49:51	Transportation Boat	Stationary	100	49	20	227	19	30	22.18769	113.98828	386.77	187.57
3-May-18	11:15:49	Transportation Boat	Travelling	99	19	30	224	30	10	22.18709	113.98842	450.94	184.74
3-May-18	11:16:25	Transportation Boat	Stationary	100	3	10	226	49	30	22.18741	113.98828	417.68	187.07
3-May-18	11:18:46	Transportation Boat	Travelling	98	40	30	218	38	0	22.18677	113.98887	485.40	178.87
3-May-18	11:19:12	Transportation Boat	Travelling	97	54	50	200	1	50	22.18663	113.99053	532.81	160.27
3-May-18	11:59:07	Container Boat	Travelling	92	20	40	273	27	20	22.18145	113.97453	1818.57	233.70
3-May-18	12:05:43	Container Boat	Travelling	93	5	30	225	16	40	22.17881	113.98749	1378.89	185.52
3-May-18	12:08:36	Container Boat	Travelling	92	52	40	201	15	50	22.17851	113.99334	1480.09	161.50
3-May-18	12:38:08	Zero	Stationary	126	53	30	0	0	0	22.19182	113.98816	99.05	320.24
3-May-18	12:38:31	Container Boat	Travelling	93	40	20	255	52	0	22.18270	113.98213	1160.02	216.11
3-May-18	12:42:45	Container Boat	Travelling	92	14	20	285	53	20	22.18418	113.97181	1909.33	246.13
3-May-18	12:46:27	Container Boat	Travelling	93	25	50	223	4	0	22.17997	113.98808	1242.72	183.31
3-May-18	12:47:25	Transportation Boat	Travelling	101	48	50	221	2	0	22.18794	113.98870	355.65	181.27
3-May-18	12:48:45	Transportation Boat	Travelling	97	55	0	200	6	0	22.18660	113.99053	535.07	160.34
3-May-18	12:59:39	Container Boat	Travelling	95	39	10	233	53	30	22.18457	113.98899	752.36	194.13
3-May-18	13:05:20	Container Boat	Travelling	92	39	20	294	51	30	22.18741	113.97366	1609.49	255.10
3-May-18	13:08:01	Container Boat	Travelling	91	56	0	303	19	50	22.18890	113.96736	2217.19	263.57
3-May-18	13:16:36	Speedboat	Travelling	92	29	30	253	28	30	22.17828	113.97952	1717.13	213.72
3-May-18	13:17:49	Speedboat	Travelling	94	5	40	231	47	0	22.18197	113.98667	1041.86	192.02
3-May-18	13:18:30	Speedboat	Travelling	95	29	30	204	5	50	22.18442	113.99081	775.35	164.34
3-May-18	13:34:29	Container Boat	Travelling	94	11	30	225	33	20	22.18202	113.98778	1018.42	185.80
3-May-18	13:38:43	Container Boat	Travelling	92	52	40	276	52	20	22.18387	113.97664	1486.95	237.11
3-May-18	13:40:58	Transportation Boat	Travelling	98	17	20	215	55	50	22.18654	113.98911	512.08	176.17
3-May-18	13:41:22	Container Boat	Travelling	92	6	30	292	13	30	22.18562	113.96992	2034.80	252.47
3-May-18	13:41:51	Transportation Boat	Travelling	99	59	50	235	21	30	22.18747	113.98767	423.20	195.60
3-May-18	13:42:25	Transportation Boat	Stationary	100	36	30	228	43	50	22.18760	113.98817	398.30	188.97
3-May-18	13:45:09	Transportation Boat	Travelling	100	48	20	233	17	40	22.18772	113.98789	390.92	193.53
3-May-18	13:47:09	Transportation Boat	Travelling	106	1	20	252	30	20	22.18917	113.98741	259.82	212.75
3-May-18	13:50:15	Transportation Boat	Travelling	96	52	0	321	51	10	22.19231	113.98289	619.88	282.09
3-May-18	13:52:45	Transportation Boat	Travelling	100	25	40	306	55	0	22.19096	113.98484	405.58	267.16
3-May-18	13:54:19	Transportation Boat	Travelling	104	42	40	262	30	20	22.18926	113.98690	284.29	222.75
3-May-18	13:55:49	Transportation Boat	Stationary	100	37	10	228	43	0	22.18760	113.98818	398.15	188.96
3-May-18	13:57:14	Transportation Boat	Travelling	100	21	0	234	19	10	22.18758	113.98778	408.79	194.56
3-May-18	13:58:17	Transportation Boat	Travelling	98	10	30	204	25	10	22.18663	113.99011	519.78	164.66
3-May-18	14:01:57	Tug boat	Travelling	98	30	40	228	52	30	22.18670	113.98801	499.05	189.12
3-May-18	14:02:48	Tug boat	Travelling	99	36	30	209	38	20	22.18723	113.98853	441.15	169.88
3-May-18	14:03:09	Tug boat	Travelling	99	41	20	200	8	20	22.18743	113.99021	437.42	160.38
3-May-18	14:12:49	Tug boat	Travelling	99	38	20	223	20	30	22.18719	113.98851	439.95	183.58
3-May-18	14:13:03	Container Boat	Travelling	93	47	40	220	5	10	22.18099	113.98872	1127.89	180.33
3-May-18	14:15:13	Tug boat	Travelling	95	42	10	293	13	20	22.18922	113.98180	748.60	253.46
3-May-18	14:16:47	Tug boat	Travelling	97	28	0	206	55	0	22.18613	113.99001	570.31	167.16
3-May-18	14:16:57	Tug boat	Travelling	97	43	20	299	48	40	22.19028	113.98350	551.21	260.05
3-May-18	14:17:09	Container Boat	Travelling	93	27	10	263	49	30	22.18312	113.98039	1240.42	224.07
3-May-18	14:18:29	Tug boat	Stationary	101	8	10	294	23	30	22.19023	113.98522	379.67	254.63
3-May-18	14:19:04	Tug boat	Stationary	97	57	30	216	33	20	22.18633	113.98907	534.70	176.80
3-May-18	14:20:29	Container Boat	Travelling										

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
3-May-18	14:43:21	Container Boat	Travelling	95	45	10	197	5	10	22.18497	113.99156	743.11	157.33
3-May-18	14:43:34	Tug boat	Travelling	102	19	40	249	3	40	22.19057	113.98551	342.41	259.30
3-May-18	14:44:58	Tug boat	Travelling	104	22	10	274	42	0	22.18963	113.98645	292.10	234.94
3-May-18	14:47:16	Tug boat	Stationary	98	57	40	253	57	40	22.18761	113.98618	474.69	214.20
3-May-18	14:51:55	Tug boat	Travelling	102	37	0	263	18	10	22.18966	113.98654	334.46	223.54
3-May-18	14:53:33	Tug boat	Travelling	97	2	50	251	37	30	22.18651	113.98567	605.79	211.87
3-May-18	14:54:42	Tug boat	Travelling	105	51	50	248	20	0	22.18906	113.98755	263.46	208.57
3-May-18	14:56:56	Tug boat	Stationary	109	8	50	258	23	30	22.18962	113.98747	215.65	218.63
3-May-18	14:57:16	Tug boat	Travelling	97	43	0	262	22	30	22.18748	113.98514	552.74	222.62
3-May-18	14:59:52	Tug boat	Travelling	100	55	50	268	4	50	22.18882	113.98596	387.81	228.32
3-May-18	15:01:23	Tug boat	Stationary	104	11	50	241	27	0	22.18866	113.98771	296.05	201.69
3-May-18	15:02:10	Tug boat	Travelling	108	29	10	263	48	30	22.18969	113.98726	224.02	224.05
3-May-18	15:03:57	Tug boat	Travelling	100	2	0	262	5	20	22.18832	113.98601	423.41	222.33
3-May-18	15:04:12	Tug boat	Stationary	102	23	50	275	6	10	22.18939	113.98605	340.78	235.34
3-May-18	15:06:16	Tug boat	Travelling	101	1	40	274	16	0	22.18913	113.98574	384.43	234.51
3-May-18	15:09:13	Tug boat	Travelling	99	36	20	217	40	20	22.18716	113.98893	442.78	177.91
3-May-18	15:12:55	Tug boat	Stationary	97	8	20	212	21	40	22.18930	113.98593	598.51	172.60
3-May-18	15:14:56	Tug boat	Travelling	104	16	20	283	35	20	22.18997	113.98621	294.63	243.83
3-May-18	15:20:40	Tug boat	Stationary	99	52	40	227	37	10	22.18730	113.98821	430.59	187.86
3-May-18	15:20:58	Container Boat	Travelling	93	29	30	229	54	50	22.18024	113.98667	1230.53	190.15
3-May-18	15:23:39	Container Boat	Travelling	93	16	50	257	25	10	22.18180	113.98100	1310.36	217.66
3-May-18	15:25:45	Container Boat	Travelling	92	48	10	274	18	20	22.18312	113.97662	1535.37	234.55
3-May-18	15:25:56	Tug boat	Stationary	101	6	40	248	37	10	22.18813	113.98699	381.86	208.86
3-May-18	15:30:25	Tug boat	Travelling	99	40	40	245	27	40	22.18757	113.98692	439.88	205.70
3-May-18	15:31:55	Tug boat	Stationary	98	7	20	229	49	20	22.18648	113.98789	525.71	190.06
3-May-18	15:38:03	Tug boat	Travelling	98	0	50	263	52	0	22.18769	113.98517	533.08	224.11
3-May-18	15:38:41	Construction Platform	Stationary	105	18	10	280	44	20	22.18994	113.98645	274.24	240.98
3-May-18	15:38:53	Construction Platform	Stationary	104	23	0	289	40	20	22.19023	113.98611	292.61	249.91
3-May-18	15:39:10	Construction Platform	Stationary	98	52	20	262	58	0	22.18799	113.98558	480.79	223.21
3-May-18	15:39:21	Construction Platform	Stationary	98	37	40	268	31	0	22.18820	113.98516	494.64	228.76
3-May-18	15:43:02	Tug boat	Travelling	96	51	50	283	37	0	22.18824	113.98240	731.13	243.86
11-May-18	9:43:24	Zero	Stationary	105	42	10	0	0	0	22.19297	113.98713	265.31	320.24
11-May-18	9:49:22	Construction Platform	Stationary	105	32	10	232	42	40	22.18879	113.98819	268.33	192.95
11-May-18	9:49:38	Construction Platform	Stationary	106	0	20	245	0	50	22.18899	113.98779	250.06	203.25
11-May-18	9:50:17	Construction Platform	Stationary	98	28	0	279	10	20	22.18884	113.98458	501.24	239.41
11-May-18	9:50:29	Construction Platform	Stationary	98	9	40	284	16	0	22.18912	113.98421	520.29	244.51
11-May-18	9:50:59	Buoy	Stationary	94	24	50	327	53	20	22.19385	113.97984	967.33	288.13
11-May-18	9:51:09	Buoy	Stationary	94	16	0	323	49	50	22.19333	113.97934	1000.91	284.07
11-May-18	9:51:17	Buoy	Stationary	94	11	30	319	56	30	22.19276	113.97903	1018.92	280.18
11-May-18	9:51:27	Buoy	Stationary	94	0	10	312	27	0	22.19159	113.97842	1067.29	272.69
11-May-18	9:51:37	Buoy	Stationary	94	10	40	300	30	10	22.18966	113.97897	1022.34	260.74
11-May-18	9:51:44	Buoy	Stationary	94	26	40	283	58	30	22.18738	113.98037	960.65	244.22
11-May-18	9:51:55	Buoy	Stationary	97	5	0	226	43	0	22.18577	113.98807	600.54	186.96
11-May-18	9:52:03	Buoy	Stationary	97	7	30	222	38	50	22.18577	113.98849	596.99	182.89
11-May-18	9:52:13	Buoy	Stationary	96	59	20	206	14	40	22.18581	113.99016	608.75	166.48
11-May-18	9:52:22	Buoy	Stationary	96	42	30	198	26	10	22.18582	113.99102	634.48	158.68
11-May-18	9:52:44	Tug boat	Stationary	97	12	10	238	52	30	22.18612	113.98690	590.48	199.12
11-May-18	9:53:57	Fishing boat	Stationary	93	47	10	225	37	50	22.18103	113.98766	1128.77	185.87
11-May-18	9:54:08	Fishing boat	Stationary	93	0	10	268	57	0	22.18276	113.97629	1425.14	229.19
11-May-18	9:54:23	Fishing boat	Stationary	93	12	20	316	25	20	22.19253	113.97590	1334.47	276.66
11-May-18	9:57:23	Tug boat	Travelling	97	25	20	245	52	30	22.18651	113.98633	572.87	206.12
11-May-18	9:59:16	Tug boat	Stationary	96	54	40	219	34	20	22.18560	113.98880	615.75	179.81
11-May-18	10:01:25	Tug boat	Travelling	96	20	30	243	21	40	22.18560	113.98616	671.64	203.60
11-May-18	10:04:37	Tug boat	Travelling	94	42	30	279	4	30	22.18697	113.98120	906.70	239.32
11-May-18	10:05:11	Container Boat	Travelling	91	27	0	291	45	30	22.18286	113.96128	2975.12	252.00
11-May-18	10:06:24	Tug boat	Stationary	94	22	20	283	44	30	22.18728	113.98025	976.88	243.98
11-May-18	10:09:27	Fishing boat	Stationary	93	34	0	212	27	50	22.18044	113.99026	1198.97	172.70
11-May-18	10:09:38	Fishing boat	Stationary	93	13	10	255	16	0	22.18140	113.98128	1329.06	215.51
11-May-18	10:09:46	Fishing boat	Stationary	93	27	40	315	52	20	22.19232	113.97684	1235.75	276.11
11-May-18	10:12:31	Container Boat	Travelling	92	12	30	268	30	50	22.17961	113.97458	1942.86	228.75
11-May-18	10:13:54	Transportation Boat	Travelling	101	58	50	223	15	50	22.18798	113.98857	351.72	183.50
11-May-18	10:15:55	Transportation Boat	Travelling	99	58	30	282	43	40	22.18940	113.98510	424.40	242.97
11-May-18	10:16:06	Transportation Boat	Travelling	100	52	40	304	31	40	22.19082	113.98502	388.41	264.77
11-May-18	10:16:57	Transportation Boat	Travelling	104	6	30	256	52	30	22.18901	113.98704	296.96	217.12
11-May-18	10:17:04	Transportation Boat	Travelling	97	35	40	287	16	0	22.18921	113.98375	559.93	247.51
11-May-18	10:18:28	Transportation Boat	Stationary	104	10	20	234	27	40	22.18857	113.98805	295.57	194.70
11-May-18	10:18:53	Transportation Boat	Travelling	98	4	50	273	37	0	22.18835	113.98465	525.83	233.86
11-May-18	10:20:13	Container Boat	Travelling	92	49	10	218	30	20	22.17747	113.98910	1519.15	178.75
11-May-18	10:20:44	Fishing boat	Travelling	94	40	50	244	6	30	22.18366	113.98512	912.39	204.35
11-May-18	10:21:59	Transportation Boat	Stationary	98	27	30	284	6	10	22.18918	113.98438	502.04	244.34
11-May-18	10:22:07	Transportation Boat	Travelling	105	6	30	271	38	10	22.18960	113.98666	276.48	231.88
11-May-18	10:22:53	Fishing boat	Travelling	93	9	30	196	45	0	22.17991	113.99393	1355.26	156.99
11-May-18	10:23:07	Fishing boat	Travelling	93	17	20	241	40	0	22.18027	113.98406	1301.16	201.91
11-May-18	10:23:27	Fishing boat	Stationary	93	42	0	315	34	30	22.19219	113.97760	1155.82	275.82
11-May-18	10:24:06	Fishing boat	Travelling	93	7	40	276	15	50	22.18434	113.97769	1368.61	236.50
11-May-18	10:25:45	Tug boat	Stationary	100	11	10	293	5	0	22.19007	113.98491	415.50	253.32
11-May-18	10:25:59	Transportation Boat	Stationary	103	37	10	288	32	0	22.19013	113.98599	308.11	248.77
11-May-18	10:30:17	Fishing boat	Travelling	91	50	50	284	22	30	22.18216	113.96834	2327.77	244.62
11-May-18	10:34:08	Transportation Boat	Travelling	105	24	40	273	6	30	22.18968	113.98667	270.84	233.35
11-May-18	10:40:24	Transportation Boat	Stationary	104	23	50	249	12	40	22.18886	113.98739	290.88	209.45
11-May-18	10:41:11	Fishing boat	Travelling	93	52	10	323	57	40	22.19358	113.97836	1105.30	284.20
11-May-18	10:42:13	Fishing boat	Travelling	93	28	0	331	32	20	22.19526	113.97764	1234.50	281.78
11-May-18	10:45:09	Transportation Boat	Travelling	103	2	40	240	25	0	22.18842	113.98767	322.32	200.66
11-May-18	10:46:47	Transportation Boat	Travelling	97	20	10	319	40	40	22.19204	113.98322	580.21	279.92
11-May-18	10:47:08	Transportation Boat	Travelling	96	4	10	326	1	0	22.19291	113.98222	702.63	286.26
11-May-18	11:01:54	Transportation Boat	Travelling	98	25	0	283	55	0	22.18916	113.98436	504.93	244.16
11-May-18	11:03:18	Transportation Boat	Stationary	98	14	50	284	7	20	22.18913	113.98426	515.48	244.36
11-May-18	11:12:26	Tug boat	Stationary	100	30	0	238	41	20	22.18771	113.98751	403.15	198.93
11-May-18	11:16:43	Tug boat	Travelling	100	10	20	226	20	0	22.18742	113.98831	416.47	186.57
11-May-18	11:18:25	Tug boat	Stationary	102	11	10	224	2	30	22.18803	113.98853	346.02	184.28
11-May-18	11:22:50	Tug											

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
11-May-18	12:01:39	Container Boat	Travelling	94	21	20	237	29	20	22.18271	113.98587	962.74	197.73
11-May-18	12:05:03	Container Boat	Travelling	93	52	0	196	1	50	22.18201	113.99311	1107.82	156.27
11-May-18	12:10:32	Speedboat	Travelling	111	12	20	290	53	40	22.19058	113.98700	192.77	251.43
11-May-18	12:10:46	Speedboat	Travelling	114	5	30	271	7	30	22.19020	113.98751	167.26	231.37
11-May-18	12:13:53	Speedboat	Travelling	108	48	40	256	32	50	22.18956	113.98750	219.57	216.79
11-May-18	12:15:39	Container Boat	Travelling	92	43	20	240	24	0	22.17786	113.98338	1577.15	200.64
11-May-18	12:16:41	Speedboat	Travelling	98	17	0	319	44	30	22.19194	113.98386	513.89	279.98
11-May-18	12:16:58	Speedboat	Travelling	97	1	20	324	43	20	22.19255	113.98307	607.45	284.96
11-May-18	12:19:28	Container Boat	Travelling	92	43	50	213	14	10	22.17708	113.99051	1572.41	173.48
11-May-18	12:21:50	Container Boat	Travelling	92	27	40	199	10	20	22.17643	113.99474	1745.94	159.41
11-May-18	12:28:41	Transportation Boat	Travelling	100	52	10	269	10	0	22.18886	113.98590	389.65	229.41
11-May-18	12:30:41	Transportation Boat	Travelling	100	54	50	214	44	50	22.18766	113.98911	388.01	174.99
11-May-18	12:31:19	Transportation Boat	Travelling	100	17	30	199	46	0	22.18765	113.99015	412.03	160.01
11-May-18	12:54:25	Fishing boat	Travelling	94	3	50	213	15	40	22.18172	113.98994	1053.60	173.50
11-May-18	12:57:40	Fishing boat	Travelling	92	43	30	238	2	20	22.17768	113.98398	1574.89	198.28
11-May-18	13:02:48	Container Boat	Travelling	93	46	50	256	45	0	22.18300	113.98215	1132.84	216.99
11-May-18	13:03:00	Fishing boat	Travelling	91	48	30	251	56	0	22.17299	113.97645	2391.90	212.17
11-May-18	13:03:14	Container Boat	Travelling	93	34	30	214	13	20	22.18041	113.98990	1198.34	174.46
11-May-18	13:06:07	Container Boat	Travelling	92	41	0	280	16	20	22.18405	113.97525	1599.24	240.51
11-May-18	13:06:17	Container Boat	Travelling	93	40	40	252	15	50	22.18230	113.98270	1164.59	212.50
11-May-18	13:14:39	Container Boat	Travelling	91	19	20	301	22	50	22.18684	113.95729	3274.51	261.62
11-May-18	13:14:43	Container Boat	Travelling	91	33	30	297	9	10	22.18570	113.96251	2769.37	257.39
11-May-18	13:15:48	Construction Platform	Travelling	101	47	40	210	30	50	22.18796	113.98934	357.97	170.75
11-May-18	13:15:56	Construction Platform	Travelling	101	59	50	217	16	10	22.18798	113.98893	351.74	177.51
11-May-18	13:17:50	Construction Platform	Stationary	101	38	20	209	5	10	22.18793	113.98943	362.87	169.33
11-May-18	13:18:01	Construction Platform	Stationary	101	59	10	217	6	40	22.18797	113.98894	352.06	177.35
11-May-18	13:25:55	Tug boat	Travelling	98	18	10	220	56	10	22.18653	113.98868	512.16	181.18
11-May-18	13:26:44	Tug boat	Travelling	98	42	30	237	45	20	22.18696	113.98731	487.95	198.00
11-May-18	13:27:31	Tug boat	Travelling	98	41	10	246	24	50	22.18720	113.98664	489.21	206.65
11-May-18	13:31:30	Construction Platform	Stationary	100	28	10	255	58	0	22.18820	113.98646	404.39	216.21
11-May-18	13:31:39	Construction Platform	Stationary	99	47	0	261	2	40	22.18821	113.98600	433.38	221.28
11-May-18	13:31:52	Tug boat	Travelling	99	21	10	258	21	20	22.18795	113.98603	453.72	218.60
11-May-18	13:32:24	Tug boat	Travelling	100	42	20	254	53	10	22.18823	113.98657	395.25	215.13
11-May-18	13:32:44	Tug boat	Stationary	100	59	0	256	56	50	22.18838	113.98652	385.01	217.19
11-May-18	13:35:04	Construction Platform	Travelling	100	59	50	269	8	0	22.18889	113.98594	384.50	229.37
11-May-18	13:35:13	Construction Platform	Travelling	101	44	50	276	25	50	22.18936	113.98586	359.31	236.67
11-May-18	13:35:28	Tug boat	Travelling	101	59	0	274	48	20	22.18932	113.98597	352.02	235.05
11-May-18	13:39:12	Fishing boat	Travelling	95	23	0	300	22	30	22.18997	113.98117	793.24	260.62
11-May-18	13:40:35	Fishing boat	Travelling	95	9	50	322	23	40	22.19277	113.98093	827.17	282.63
11-May-18	13:40:59	Fishing boat	Travelling	95	1	40	328	12	30	22.19356	113.98094	849.71	288.45
11-May-18	13:41:59	Tug boat	Travelling	102	30	20	269	20	30	22.18917	113.98629	336.82	229.58
11-May-18	13:42:16	Construction Platform	Stationary	104	13	30	260	46	50	22.18914	113.98690	294.68	221.02
11-May-18	13:42:25	Construction Platform	Stationary	103	26	40	269	35	0	22.18932	113.98646	312.50	229.82
11-May-18	13:42:58	Tug boat	Travelling	103	23	50	269	19	40	22.18931	113.98646	313.64	229.57
11-May-18	13:48:06	Tug boat	Travelling	102	3	40	260	19	10	22.18875	113.98657	349.59	220.56
11-May-18	13:49:46	Construction Platform	Travelling	102	0	30	251	18	40	22.18845	113.98699	351.16	211.55
11-May-18	13:49:58	Construction Platform	Travelling	103	6	50	255	45	10	22.18880	113.98695	320.62	215.99
11-May-18	13:52:40	Construction Platform	Travelling	98	59	50	254	2	0	22.18763	113.98620	471.78	214.27
11-May-18	13:52:46	Construction Platform	Travelling	99	14	50	259	9	20	22.18795	113.98595	458.80	219.40
11-May-18	13:54:59	Construction Platform	Stationary	98	17	20	247	22	50	22.18705	113.98647	512.73	207.62
11-May-18	13:55:06	Construction Platform	Stationary	98	3	20	252	27	0	22.18714	113.98601	527.80	212.69
11-May-18	13:55:17	Tug boat	Travelling	98	44	20	249	11	30	22.18733	113.98646	485.93	209.43
11-May-18	13:56:34	Tug boat	Travelling	98	16	0	245	42	20	22.18698	113.98659	514.12	205.95
11-May-18	13:58:58	Tug boat	Travelling	98	41	10	254	47	50	22.18754	113.98605	488.90	215.04
11-May-18	14:00:26	Construction Platform	Travelling	98	49	10	253	19	0	22.18753	113.98619	481.37	213.56
11-May-18	14:00:35	Construction Platform	Travelling	98	25	0	257	25	40	22.18754	113.98578	504.78	217.67
11-May-18	14:06:20	Construction Platform	Stationary	99	13	50	259	7	0	22.18794	113.98595	459.52	219.36
11-May-18	14:06:29	Construction Platform	Stationary	99	12	30	264	4	30	22.18817	113.98565	460.64	224.32
11-May-18	14:06:52	Tug boat	Travelling	100	48	40	280	51	20	22.18944	113.98545	391.03	241.10
11-May-18	14:09:23	Tug boat	Travelling	98	30	0	268	27	50	22.18817	113.98513	499.66	228.70
11-May-18	14:13:12	Container Boat	Travelling	94	0	0	247	47	50	22.18265	113.98390	1068.83	208.04
11-May-18	14:13:33	Construction Platform	Travelling	99	17	0	263	10	40	22.18815	113.98573	456.79	223.42
11-May-18	14:13:40	Construction Platform	Travelling	99	8	40	268	25	10	22.18838	113.98539	463.85	228.66
11-May-18	14:13:49	Tug boat	Travelling	100	14	40	271	28	20	22.18884	113.98563	413.12	231.71
11-May-18	14:18:17	Container Boat	Travelling	91	53	40	263	14	30	22.18202	113.98505	2268.88	243.46
11-May-18	14:18:48	Tug boat	Travelling	97	48	50	251	9	0	22.18696	113.98502	544.09	211.39
11-May-18	14:18:53	Construction Platform	Stationary	98	47	10	257	21	0	22.18769	113.98591	483.05	217.59
11-May-18	14:19:03	Construction Platform	Stationary	98	29	0	262	33	30	22.18783	113.98547	500.56	222.80
11-May-18	14:25:49	Container Boat	Travelling	92	27	50	252	17	50	22.17794	113.97968	1739.94	212.54
11-May-18	14:26:35	Tug boat	Travelling	97	41	30	250	31	50	22.18686	113.98603	552.76	210.77
11-May-18	14:28:39	Tug boat	Travelling	98	39	30	232	39	20	22.18684	113.98711	490.20	192.90
11-May-18	14:29:24	Tug boat	Stationary	98	16	30	234	16	0	22.18667	113.98753	513.25	194.51
11-May-18	14:29:37	Container Boat	Travelling	92	39	50	225	58	0	22.17675	113.98709	1608.27	186.21
11-May-18	14:42:06	Tug boat	Travelling	98	20	30	268	42	20	22.18813	113.98505	508.96	228.95
11-May-18	14:43:03	Tug boat	Travelling	99	4	30	270	11	0	22.18846	113.98528	467.19	230.42
11-May-18	14:45:37	Construction Platform	Travelling	99	49	10	271	7	10	22.18872	113.98551	431.11	231.36
11-May-18	14:45:45	Construction Platform	Travelling	99	29	30	277	45	0	22.18901	113.98510	446.29	237.99
11-May-18	14:46:53	Tug boat	Travelling	99	28	10	290	12	30	22.18979	113.98468	447.35	250.45
11-May-18	14:48:10	Tug boat	Travelling	100	25	0	282	28	30	22.18946	113.98527	405.85	242.72
11-May-18	14:56:50	Tug boat	Travelling	102	13	40	268	39	30	22.18910	113.98626	344.20	228.90
11-May-18	14:59:27	Tug boat	Travelling	100	46	30	251	50	50	22.18815	113.98675	391.96	212.09
11-May-18	15:01:26	Tug boat	Stationary	98	49	40	251	4	50	22.18745	113.98335	480.32	211.32
11-May-18	15:07:35	Container Boat	Travelling	93	10	50	240	50	40	22.17985	113.98408	1344.47	201.08
11-May-18	15:10:25	Container Boat	Travelling	93	23	40	221	31	20	22.17981	113.98840	1259.21	181.76
11-May-18	15:10:38	Tug boat	Travelling	98	59	0	272	28	0	22.18857	113.98513	471.77	232.71
11-May-18	15:13:47	Container Boat	Travelling	93	12	40	197	59	50	22.18001	113.99358	1331.44	158.24
11-May-18	15:14:09	Tug boat	Travelling	98	44	20	269	25	20	22.18831	113.98518	485.16	229.66
11-May-18	15:21:09	Transportation Boat	Travelling	97	55	0	288	12	0	22.18937	113.98393	536.25	248.44
11-May-18	15:23:25	Transportation Boat	Travelling	100	54	0	284	25	0	22.18965	113.98538	387.16	244.66
11-May-18	15:23:47	Tug boat	Travelling	103	23	0	243	19	40	22.18855	113.98756	313.34	203.57
11-May-18	15:24:02	Construction Platform	Stationary	100	45	50	263						

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
14-May-18	9:34:29	Construction Platform	Stationary	96	44	40	273	2	10	22.18854	113.98502	483.01	233.28
14-May-18	9:34:39	Construction Platform	Stationary	102	24	20	279	0	50	22.18959	113.98596	337.71	239.25
14-May-18	9:34:47	Construction Platform	Stationary	104	2	50	282	39	20	22.18992	113.98621	296.89	242.90
14-May-18	9:34:59	Buoy	Stationary	94	24	50	327	56	20	22.19384	113.97988	963.22	288.18
14-May-18	9:35:08	Buoy	Stationary	94	16	50	323	54	40	22.19332	113.97942	993.41	284.15
14-May-18	9:35:13	Buoy	Stationary	94	12	0	319	59	10	22.19276	113.97909	1012.58	280.23
14-May-18	9:35:19	Buoy	Stationary	94	0	40	312	28	20	22.19159	113.97848	1060.55	272.71
14-May-18	9:35:26	Buoy	Stationary	94	11	30	300	14	40	22.18963	113.97905	1014.62	260.48
14-May-18	9:35:34	Buoy	Stationary	94	27	20	283	39	50	22.18736	113.98045	954.19	243.90
14-May-18	9:35:41	Buoy	Stationary	97	2	40	226	14	0	22.18576	113.98812	601.34	186.47
14-May-18	9:35:48	Buoy	Stationary	97	7	0	222	8	0	22.18579	113.98854	595.18	182.37
14-May-18	9:35:56	Buoy	Stationary	96	57	20	205	54	20	22.18582	113.99020	609.12	166.15
14-May-18	9:36:04	Buoy	Stationary	96	39	0	197	59	10	22.18581	113.99108	637.40	158.23
14-May-18	9:50:42	Porpoise	Surface	94	29	0	225	14	30	22.18264	113.98790	949.01	185.48
14-May-18	9:50:54	Porpoise	Surface	94	36	30	224	56	0	22.18277	113.98797	923.12	185.17
14-May-18	9:51:12	Porpoise	Surface	94	23	10	224	27	30	22.18244	113.98801	970.20	184.70
14-May-18	9:55:05	Porpoise	Surface	94	44	20	218	30	40	22.18306	113.98997	897.74	178.75
14-May-18	10:07:03	Speedboat	Travelling	94	33	20	225	43	30	22.18277	113.98783	934.69	186.97
14-May-18	10:07:18	Speedboat	Travelling	94	45	30	215	26	30	22.18311	113.98943	894.63	175.68
14-May-18	10:07:36	Speedboat	Travelling	94	51	50	202	41	30	22.18361	113.99127	875.10	162.93
14-May-18	10:11:02	Porpoise	Surface	93	31	20	208	29	0	22.18045	113.99108	1210.94	168.72
14-May-18	10:11:10	Porpoise	Surface	93	31	10	207	57	20	22.18046	113.99119	1211.91	168.20
14-May-18	10:11:16	Porpoise	Surface	93	30	20	207	45	40	22.18043	113.99124	1216.75	168.00
14-May-18	10:11:57	Porpoise	Surface	93	30	20	206	11	30	22.18049	113.99155	1216.79	166.43
14-May-18	10:22:49	Speedboat	Travelling	92	57	10	323	26	40	22.19422	113.97511	1446.88	283.68
14-May-18	10:23:13	Speedboat	Travelling	92	41	40	317	50	10	22.19314	113.97351	1586.57	278.08
14-May-18	10:23:46	Speedboat	Travelling	92	23	20	311	51	40	22.19173	113.97138	1791.14	272.10
14-May-18	10:24:01	Container Boat	Travelling	91	15	50	297	39	10	22.18469	113.98631	3417.04	257.89
14-May-18	10:24:21	Speedboat	Travelling	92	5	50	306	28	20	22.19008	113.98696	2042.64	266.71
14-May-18	10:36:55	Container Boat	Travelling	92	55	10	244	3	10	22.17913	113.98292	1464.60	204.29
14-May-18	10:41:55	Container Boat	Travelling	92	52	10	200	23	30	22.17848	113.99358	1490.68	160.63
14-May-18	10:45:39	Government Boat	Travelling	93	40	20	230	12	0	22.18084	113.98673	1163.36	190.44
14-May-18	10:45:54	Container Boat	Travelling	94	29	30	210	41	30	22.18270	113.99023	950.03	170.93
14-May-18	10:46:37	Fishing boat	Travelling	91	50	20	277	51	20	22.18003	113.98951	2335.73	238.10
14-May-18	10:46:57	Fishing boat	Travelling	92	42	10	313	46	30	22.19220	113.97241	1888.49	274.02
14-May-18	10:47:09	Government Boat	Travelling	92	39	30	254	28	40	22.17993	113.98039	1514.71	214.72
14-May-18	10:48:18	Government Boat	Travelling	92	16	0	266	38	30	22.17951	113.97536	1891.02	226.88
14-May-18	10:49:00	Fishing boat	Travelling	93	10	30	311	19	30	22.19147	113.97569	1346.90	271.57
14-May-18	10:51:47	Fishing boat	Travelling	93	26	50	257	15	10	22.18228	113.98144	1240.13	217.49
14-May-18	10:51:56	Fishing boat	Travelling	94	5	50	280	50	30	22.18660	113.97991	1042.39	241.08
14-May-18	10:52:25	Transportation Boat	Stationary	95	26	50	321	3	30	22.19252	113.98132	782.65	281.30
14-May-18	10:52:35	Container Boat	Travelling	91	45	40	256	24	40	22.17351	113.97462	2441.01	216.65
14-May-18	10:53:37	Fishing boat	Travelling	94	56	0	257	28	10	22.18498	113.98364	864.83	217.71
14-May-18	10:56:59	Fishing boat	Travelling	95	22	10	195	46	50	22.18461	113.99191	794.26	156.02
14-May-18	11:04:37	Transportation Boat	Travelling	103	32	50	226	46	50	22.18837	113.98841	309.78	187.02
14-May-18	11:05:24	Transportation Boat	Travelling	103	21	50	270	31	0	22.18935	113.98641	314.20	230.76
14-May-18	11:06:15	Transportation Boat	Travelling	102	37	30	279	19	20	22.18962	113.98599	333.28	239.56
14-May-18	11:06:47	Fishing boat	Stationary	101	27	10	311	56	30	22.19127	113.98520	368.48	272.18
14-May-18	11:07:37	Transportation Boat	Travelling	103	12	0	274	41	10	22.18949	113.98625	318.29	234.93
14-May-18	11:08:21	Transportation Boat	Travelling	107	35	20	258	10	20	22.18941	113.98745	235.49	215.41
14-May-18	11:09:47	Transportation Boat	Travelling	110	3	20	250	13	10	22.18955	113.98777	204.50	210.46
14-May-18	11:11:29	Transportation Boat	Travelling	104	32	40	309	22	0	22.19112	113.98598	287.80	269.61
14-May-18	11:13:10	Transportation Boat	Travelling	104	5	20	271	11	40	22.18947	113.98652	297.54	231.43
14-May-18	11:14:11	Transportation Boat	Travelling	102	41	20	278	42	20	22.18960	113.98602	331.68	238.95
14-May-18	11:16:52	Transportation Boat	Travelling	104	17	40	271	45	50	22.18951	113.98653	293.13	232.00
14-May-18	11:17:07	Fishing boat	Stationary	106	49	30	307	39	50	22.19106	113.98638	246.99	267.90
14-May-18	11:17:18	Transportation Boat	Stationary	104	7	30	272	29	30	22.18952	113.98648	296.81	232.73
14-May-18	11:27:20	Transportation Boat	Travelling	102	36	0	279	27	20	22.18962	113.98597	334.33	239.70
14-May-18	11:27:39	HSF	Travelling	91	41	0	290	30	30	22.18354	113.96529	2560.19	260.75
14-May-18	11:28:41	Transportation Boat	Travelling	101	41	10	272	7	40	22.18915	113.98600	361.34	232.37
14-May-18	11:28:51	HSF	Travelling	92	38	10	256	16	40	22.17937	113.97937	1627.62	216.52
14-May-18	11:29:34	HSF	Travelling	92	48	40	222	18	0	22.17742	113.98812	1525.69	182.54
14-May-18	11:29:47	Transportation Boat	Travelling	98	20	40	267	45	50	22.18807	113.98510	509.65	228.50
14-May-18	11:29:57	Fishing boat	Stationary	115	6	40	275	6	50	22.19032	113.98750	159.46	235.35
14-May-18	11:34:23	Container Boat	Travelling	94	49	50	254	27	50	22.18459	113.98388	885.26	214.70
14-May-18	11:34:32	Transportation Boat	Travelling	99	12	40	264	14	0	22.18818	113.98564	461.07	224.47
14-May-18	11:40:37	Container Boat	Travelling	92	11	0	299	40	10	22.18803	113.98693	1969.34	259.91
14-May-18	11:40:49	Transportation Boat	Stationary	98	49	10	268	47	30	22.18829	113.98524	482.07	229.03
14-May-18	11:46:51	Transportation Boat	Travelling	99	42	40	250	38	30	22.18776	113.98660	437.18	210.88
14-May-18	11:47:41	Transportation Boat	Travelling	101	6	30	207	51	50	22.18778	113.98954	381.05	168.10
14-May-18	11:47:54	Fishing boat	Stationary	106	54	30	222	11	0	22.18893	113.98868	246.10	182.42
14-May-18	12:15:29	Tug boat	Travelling	97	55	20	221	38	0	22.18630	113.98861	538.51	181.87
14-May-18	12:17:04	Tug boat	Travelling	95	49	10	269	19	10	22.18685	113.98334	735.52	229.56
14-May-18	12:17:53	Tug boat	Travelling	94	41	20	282	23	0	22.18736	113.98089	914.29	242.62
14-May-18	12:19:42	Tug boat	Stationary	94	33	40	281	52	10	22.18718	113.98070	940.15	242.11
14-May-18	12:23:40	Fishing boat	Stationary	97	53	50	319	25	0	22.19195	113.98360	540.47	279.66
14-May-18	12:37:10	Fishing boat	Travelling	98	33	30	317	42	20	22.19176	113.98398	498.50	277.95
14-May-18	12:37:35	Fishing boat	Travelling	98	43	40	312	56	10	22.19138	113.98404	488.68	273.18
14-May-18	12:37:52	Container Boat	Travelling	93	44	40	226	4	10	22.18087	113.98755	1147.61	186.31
14-May-18	12:38:42	Fishing boat	Stationary	98	35	0	314	36	10	22.19152	113.98396	497.07	274.84
14-May-18	12:41:11	Container Boat	Travelling	92	29	30	278	1	10	22.18295	113.97448	1729.31	258.26
14-May-18	12:41:26	Container Boat	Travelling	93	30	30	260	0	30	22.18272	113.98108	1225.53	220.25
14-May-18	12:47:57	Container Boat	Travelling	92	4	30	291	41	20	22.18533	113.98955	2080.61	251.93
14-May-18	12:51:26	Fishing boat	Travelling	98	15	50	317	59	20	22.19180	113.98381	516.92	278.23
14-May-18	13:37:28	Container Boat	Travelling	92	29	50	276	9	20	22.18252	113.97477	1730.59	236.40
14-May-18	13:41:28	Container Boat	Travelling	93	42	50	246	32	0	22.18181	113.98370	1161.01	206.77
14-May-18	13:53:31	Container Boat	Travelling	94	16	40	249	29	40	22.18326	113.98392	1007.80	209.73
14-May-18	13:57:57	Container Boat	Travelling	92	24	40	278	27	50	22.18275	113.97387	1794.83	238.70
14-May-18	13:59:09	Fishing boat	Travelling	92	19	10	270	9	30	22.18043	113.97480	1866.47	230.40
14-May-18	14:02:07	Container Boat	Travelling	91	37	0	288	17	0	2			

Appendix III. (cont'd)

Date	Time	Fix Type	Fix Type Behaviour	Fix Vert Degrees	Fix Vert Minutes	Fix Vert Seconds	Fix Horz Degrees	Fix Horz Minutes	Fix Horz Seconds	Fix Latitude	Fix Longitude	Distance	Bearing
14-May-18	14:19:05	Container Boat	Travelling	93	19	20	250	8	10	22.18104	113.98238	1301.29	210.38
14-May-18	14:20:38	Container Boat	Travelling	95	13	0	223	20	40	22.18372	113.98828	826.56	183.58
14-May-18	14:21:17	Container Boat	Travelling	94	47	50	221	27	50	22.18305	113.98852	899.36	181.70
14-May-18	14:21:34	Tug boat	Travelling	98	3	40	241	3	0	22.18667	113.98690	532.64	201.29
14-May-18	14:22:12	Container Boat	Travelling	95	27	40	204	22	30	22.18429	113.99081	789.36	164.62
14-May-18	14:22:20	Container Boat	Travelling	94	40	30	254	9	0	22.18428	113.98371	923.07	214.39
14-May-18	14:25:13	Container Boat	Travelling	93	0	30	285	13	10	22.18576	113.97606	1438.38	245.46
14-May-18	14:25:44	Tug boat	Travelling	96	5	50	265	19	50	22.18669	113.98387	706.52	225.57
14-May-18	14:29:02	Tug boat	Stationary	94	42	40	282	32	50	22.18737	113.98086	916.28	242.79
14-May-18	14:34:38	Construction Platform	Stationary	98	31	50	256	59	50	22.18753	113.98582	503.26	217.24
14-May-18	14:34:44	Construction Platform	Stationary	98	15	50	262	0	40	22.18768	113.98538	519.75	222.25