

**AUDIT OF SALMON CLOSURE ZONE COMPLIANCE MONITORING,
BERING SEA POLLOCK FISHERY, 2008**

DRAFT REPORT

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BACKGROUND

Closure zones were established for the Bering Sea pollock (*Theragra calcogramma*) fishery to ensure that fishing vessels would avoid areas with the potential for substantial bycatch of chinook and chum salmon (*Oncorhynchus tshawytscha* and *O. keta*). Vessel Monitoring System (VMS) units monitored the movement and location of fishing vessels, and fisheries observers and vessel logbooks recorded whether vessels were actively fishing. The National Oceanic and Atmospheric Administration (NOAA) Fisheries, Alaska Region, requires “an external audit designed to evaluate the accuracy of the approach used by Sea State to monitor compliance” be prepared for the pollock fishery. The audit, which NOAA required be based on an “[e]xamination of a randomly selected subset of vessel/days representing 10% of the catch” was conducted by ABR, Inc.—Environmental Research and Services (hereafter, ABR) for Sea State, Inc. This report presents the methods used to meet the selection criteria and the analytical methods and results of the audit.

STUDY OBJECTIVES

The objectives of the audit were twofold: (1) assess the compliance of fishing vessels within salmon closure zones by sampling 10% of the 2008 fishing effort, and (2) compare the audit findings with Sea State’s conclusions regarding closure violations.

ASSUMPTIONS

The audit is based upon the following assumptions, which we have not independently verified:

- 1) Observer data and vessel logbook records are always correct, and these sources never report non-fishing activity when fishing actually was occurring.
- 2) The following data provided by Sea State are free from errors: The table of VMS locations; the tables of observer data indicating haul start and stop times and catch weights; and the table of fish ticket data indicating trip start and stop dates and catch weights.
- 3) All coordinates specified in the VMS location tables and vessel closure announcements were in the same horizontal datum, namely World Geodetic System 1984 (WGS1984).

AUDIT METHODS

SUBSET SELECTION

The pollock fishery has three major sectors and we applied the 10% sampling criteria within each sector:

- Catcher/processors (CP)
- Catcher vessels supplying motherships (CVM)
- Catcher vessels supplying shoreside fish processors (CVS)

This year there were also a few instances of Catcher vessels supplying other Catcher/processors. These vessels appear in the CVS sector data, and were included in that sector when performing the 10% sampling of each sector. None of these hauls appeared in the sample we analyzed.

Although the NOAA Fisheries requirement stipulated that “vessel/days representing 10% of the catch” were to be audited, we did not interpret this literally because fish catches were not reported by day. Catch was reported for each haul and/or for each individual fishing trip. These catch totals might cover a portion of a day or portions of multiple days. We believe our sampling method, described below, was consistent with the intent of the permit stipulation.

Data collected by fisheries observers provided full coverage for the CP and CVM sectors, with start times, stop times, and catch weight for each haul. To randomly select vessel/days representing 10% of the catch (separately for each sector), individual hauls were selected without replacement until the total proportion of the catch exceeded 10% (Appendix 1).

Only partial fisheries-observer data were available for the CVS sector because smaller CVS vessels only had an observer 30% of the time. The fish-ticket data provided full coverage for the fishing effort of the CVS sector. Fish tickets reported the catch for whole fishing trips rather than by day or by haul. To randomly sample vessel/days representing 10% catch in the CVS sector, fishing trips were selected without replacement until the total proportion of the catch exceeded 10% (Appendix 2). For observed trips, data on vessel locations were assessed during hauls from 12:00 AM on the reported “trip start date” until 11:59:59 PM on the date prior to the next “trip start date.” For unobserved trips, all vessel locations from after 12:00 AM on the reported “trip start

date” until 11:59:59 PM on the date prior to the next “trip start date” were assessed, recognizing that observer data that would distinguish fishing and non-fishing locations was not available.

IDENTIFICATION OF CANDIDATE CLOSURE ZONE VIOLATIONS

Before performing any analyses on the VMS location data, we verified the closure locations and tier status information by examining all closure notification memos. Sea State included a closure polygon dataset but we found several discrepancies between this dataset and the closure notification memos, and we only included the closures we identified from the memos.

All VMS points (i.e., a ‘point’ is a specific latitude-longitude coordinate for the fishing vessel) were then passed through a series of geoprocessing operations and database filters to reduce the full set of data down to a limited number of potential closure zone violations (Figure 1).

First, the VMS points were intersected with the dataset of closure polygons (i.e., the geographic area of the closure zones) for all points that were within a closure when the closure was operational. This overlay excluded all points that were outside of closure zones, or were inside zones when the closure was not in effect. Each occurrence of a point within a closure zone resulted in an output table row linking the VMS point with the closure zone.

Next, these intersections of VMS points and closures were reduced by removing all intersections that weren't part of the 10% random sample of trips or hauls we generated earlier. These point / closure intersections represent the list of 'candidate' (i.e. possible) violation points.

BUFFER FILTER

All the candidate violations in this audit were for vessels with an Argos VMS system. Other systems were part of the full set of VMS data, but these did not occur in our sample. Because positional bias and uncertainty exists for Argos satellite network locations, the candidate violation points were converted to polygons using a two-stage buffering operation (Macander and Dissing 2007). Briefly, all locations were corrected by adding 0.0005 degrees of latitude and subtracting 0.0005 degrees of longitude from each VMS location. The actual vessel location could be anywhere within a square of 0.001 degrees to a side, with this corrected VMS location at its center.

A second buffer was then applied to the locations based on the locational accuracy of the positioning system itself. For GPS locations, a 30-m buffer was applied to allow for differences between the reported and actual vessel location. In some cases GPS coordinates were not available, and thus the location was determined by Argos based on the Doppler shift of signals transmitted to the satellite. Argos location classes 1, 2, and 3 were buffered by 3000-m, 1000-m, and 500-m radius buffers respectively (estimations at two standard deviations) (Macander and Dissing 2007).

The buffered polygon boundaries around each location point were next compared to closure zone boundaries. When the buffer polygons were partially outside the closure zone of interest, the corresponding points were flagged as “excluded by buffer” and these points were excluded from further consideration.

TIER STATUS FILTER

Location points that still remained as candidate violations were then compared to the tier status reports to determine whether the vessel was exempt from the closure restrictions at the time of the candidate violation. Some closures applied to all vessels, regardless of tier status. Other closures were advisory only, and so technically did not apply to any vessels. The remainder of closures applied to only certain vessels—some vessels were exempt, based on past performance of their coop at avoiding salmon bycatch. Candidate violations that occurred when the vessel was exempt from closure restrictions were flagged as “exempt from closure due to tier status” and excluded from further consideration.

At this point, all remaining observations with observer data were considered closure zone violations. These observations were flagged as “possible violation.”

SPEED FILTER

The remaining undetermined location points were all from unobserved CVS-sector fishing trips. Because no observer was reporting when the vessel was actually fishing, the travel routes to and from the fishing areas were included, although vessels are allowed to travel through closure zones as long as they are not fishing. To deal with this problem, we applied the simple speed threshold we had developed for our assessment of the 2006 season (Macander and Dissing 2007). This was an automated way to filter out many points that clearly corresponded to rapid vessel travel, rather than potential fishing activity.

The speed filter applied several criteria to candidate violations to determine whether they could be excluded on the basis of vessel speed. Locational points met the speed test criteria and were excluded based on a high sustained speed, if they had 1) GPS coordinates, 2) at least 5-min elapsed time from the previous point, 3) at least 5-min elapsed time to the next point, 4) a calculated speed of >5.6 knots from the previous point, and 5) a calculated speed of >5.6 knots to the next point. Accuracy of the speed filter was able to predict fishing activity correctly for 99.83% of examined points in 2006 (Macander and Dissing 2007). The low failure rate of this method is acceptable, especially because visual examination of the points in question is likely to have a similar, if not higher, failure rate.

To develop the data necessary to apply the speed filter, the minimum sustained speed and the time interval to and from successive VMS locations was calculated for all of the selected CVS trips. Speeds were calculated from the difference in time and the distance between successive VMS locations. These values corresponded to a minimum speed because vessels traveling a zig-zag course between two observations would have a speed higher than the calculated speed. Candidate violations from the unobserved CVS sector that met our speed test criteria were flagged as “excluded due to high sustained speed.” These data were excluded from further consideration.

VISUAL EXAMINATION

The remaining CVS-sector candidate violations were reviewed manually. Clearly, some of the points that did not pass the conservative speed test corresponded to non-fishing activity. For example, some points, which were just below the speed threshold, were along a straight line with several other points that did meet the criteria of the speed filter. Points that did not meet the speed test, but which were determined to correspond to running out to the fishing ground (based on visual review), were flagged as “excluded by manual review: vessel running.” These data were excluded from further consideration.

VESSEL LOGBOOKS

For the remaining CVS-sector candidate violations without observer data, logbook records were requested to determine whether the vessel was fishing at the time of the candidate violation. Points that were determined to correspond to non-fishing activity (based on review of logbooks) were flagged as “excluded based on vessel logbook review: vessel not fishing.” If the logbook

was illegible, semi-legible, or inconsistent and a definitive determination could not be made, the point was flagged as “possible violation: logbook unclear.” Remaining points corresponded to fishing in closure zones, and were flagged as “possible violation: logbook indicates fishing in closure.”

Violations were reported to Sea State and the North Pacific Fisheries Management Council (NPFMC). A database containing the relevant attribute data for these violations, and maps for each violation, were provided to Sea State and NPFMC. The names of the vessels we identified as violations are not included in this draft report, because the vessels are entitled to appeal and the cases have not yet been officially resolved.

COMPARISON WITH SEA STATE DETERMINATIONS

A comparison of the violations reported by ABR was made to those reported by Sea State. All of the location points that were part of ABR’s 10% selection were considered in this assessment.

RESULTS AND DISCUSSION

IDENTIFICATION OF CANDIDATE CLOSURE ZONE VIOLATIONS

IDENTIFYING CANDIDATE VIOLATIONS

The identification of candidate violations was entirely automated, without any interpretation or subjective thresholds (Table 1). This automated approach efficiently reduced the number of points requiring closer examination from 997,419 for the total fishery to the 1,026 locations that were assessed for potential closure zone violation.

CATEGORIZING CANDIDATE VIOLATIONS

A small degree of subjectivity is involved in setting the buffer distances and vessel speed thresholds, as well as in the process of reviewing vessel tracks manually. We believe, however, that our approach was cautious, well-documented, and reasonable. The buffers, tier status, and speed threshold tests, as applied here, reduced the number of candidate violation points from 1,026 to 22 (Table 2). Three of these violation points were associated with observer data that

reported a single vessel as fishing, and thus these points were determined to be a possible closure zone violation (Figure 2).

The remaining 19 points required manual examination. Visual examination to identify a vessel running and not fishing excluded an additional 17 points, leaving 2 points, both from the same vessel. To determine the fishing status of these points, we requested the vessel logbook for the *Majesty* (Appendix 3). The *Majesty* was exonerated based on examination of the vessel logbooks as they indicated the vessel was not fishing while inside the salmon closure. The points were flagged as “excluded based on vessel logbook review: vessel not fishing.”

COMPARISON WITH SEA STATE DETERMINATIONS

A complete list of candidate violations was compiled and for each candidate violation we identified, our verdict and the verdict of Sea State are listed (Appendix 4). A summary of the ABR and Sea State determinations (Table 3) categorizes all verdicts. We found that our verdicts agreed with Sea State’s determination in all cases except for the possible violation discovered in one of the four closure zones not included in Sea State’s original data. After informing Sea State of our finding, Sea State provided updated verdict information which then included the possible violation we identified. Our 10% subsample did not identify any other errors in Sea State’s original determinations, and we did not further investigate locations outside of our subsample and in the four closure zones not originally included by Sea State.

When examining Sea State’s updated verdict data, our verdicts for all 1,020 points agree with Sea State’s determination. In cases where the methods used by Sea State are indicated, we found our methods and theirs to be similar.

CONCLUSIONS

Overall, ABR agreed with the updated determinations of Sea State for the 10% sample that we examined. Of points examined, our determination agreed with Sea State for all 54,156 locations. Minor discrepancies occurred for some of the points assessed due to different filtering methods. Some points included in ABR’s list of candidate violations were excluded from the Sea State analysis by preliminary filters based on other criteria, including instantaneous speed and tier status. Despite differences in methods, there was complete agreement by ABR and Sea State on

final verdicts of all fishing violations after Sea State included the four closure zones originally left out of their analysis.

Reviewing vessel logbooks remains the most challenging aspect of monitoring closure zone compliance. In our assessment of closure zone compliance for the 2006 season, we noted two cases where vessel logbooks were unclear or ambiguous. In that case, we determined that the most plausible reading of the ambiguous logbooks exonerated the vessels in question. However, we would prefer that vessel logbooks provided information that was clear and unambiguous. For the period of interest in this report, the vessel logbook was legible and unambiguous, but the next haul listed on the same logbook page (which was not a candidate violation) was difficult to interpret.

There might be a temptation for a vessel captain, who knows that a violation had been committed, to fabricate a logbook page when served with a logbook request. The incentive for such deception would be to avoid a fine, though the consequences of deception, if detected, would be much greater than the fine. A copy of the vessel logbook is filed with the National Marine Fisheries Service (NMFS). If the vessel behavior, indicated by VMS points, did not appear to correspond with the vessel logbook, we would recommend that our logbook be compared with the NMFS copy. We are not recommending this for any of the logbooks we reviewed this year, however.

With the exception of the closure zone data, which we reconstructed from the closure documents, ABR's assessment was based on our review and processing of data tables developed and provided by Sea State, Inc. As a result, our audit does not systematically assess any errors that might have occurred during Sea State's data compilation process. This could be addressed in the future by extending the compliance audit to include a systematic comparison of raw data (for example, fish tickets and VMS files) with Sea State's tables for a fraction of each table.

LITERATURE CITED

Macander, M.J. and D, Dissing. 2007. Audit of salmon closure zone compliance monitoring Bering Sea pollock fishery. ABR, Inc.-Environmental Research & Services, Fairbanks, AK, 99708. pp. 48.

Table 1. Number of vessel locations considered at different stages of the closure violation audit, Bering Sea pollock fishery, 2008.

	Catcher/Processor (CP)	Catcher Vessel/ Mothership (CVM)	Catcher Vessel/ Shoreside, no Observer (CVS_NO)	Catcher Vessel/ Shoreside, Observer (CVS_O)	Total
All VMS Locations	(Not separated by sector)				997,419
Select 10% of Hauls or Trips	7,939	3,326	22,627	9,541	54,156
Points in Closure when Closed (Candidate Violations)	76	0	631	314	1,020
Violations	3	0	0	0	3

Table 2. Results of ABR review of candidate violations of the closure zones, Bering Sea pollock fishery, 2008.

	Catcher/Processor (CP)	Catcher Vessel/ Mothership (CVM)	Catcher Vessel/ Shoreside, no Observer (CVS_NO)	Catcher Vessel/ Shoreside, Observer (CVS_O)	Total
Candidate Violations	75	0	631	314	1,020
Excluded by Buffer	0	0	2	1	3
Excluded based on tier status	72	0	344	313	729
Excluded by speed filter	n/a	n/a	266	n/a	266
Excluded by visual review	n/a	n/a	17	n/a	17
Excluded by review of vessel logbook	n/a	n/a	2	n/a	2
Violations	3	0	0	0	3

Table 3. Comparison of ABR and Sea State, Inc., assessments of closure zone violations for the 10% catch of vessel/days reviewed by ABR, Bering Sea Pollock fishery, 2008.

ABR Verdict	Sea State Inc. Verdict	Number of Locations (Points)	Verdict in agreement?
Excluded: buffer	Excluded	3	Yes
Excluded: manual review, running	Excluded	15	Yes
Excluded: high sustained speed	Excluded	261	Yes
Excluded: tier status	Excluded	728	Yes
Excluded: logbook review, not fishing	Excluded: logbook review, not fishing	2	Yes
Excluded: manual review, running	Excluded: logbook review, not fishing	1	Yes
Excluded: manual review, running	Excluded: manual review, running	1	Yes
Excluded: high sustained speed	Excluded: manual review, running	5	Yes
Excluded: tier status	Excluded: tier status	1	Yes
Possible violation	Excluded ¹	3	No
Total Locations:		1,020	

¹ Our audit found four closure areas not included in the closure data from Sea State, and we found one possible violation from one closure area. Sea State subsequently provided updated verdict information which was in complete agreement with our assessment.

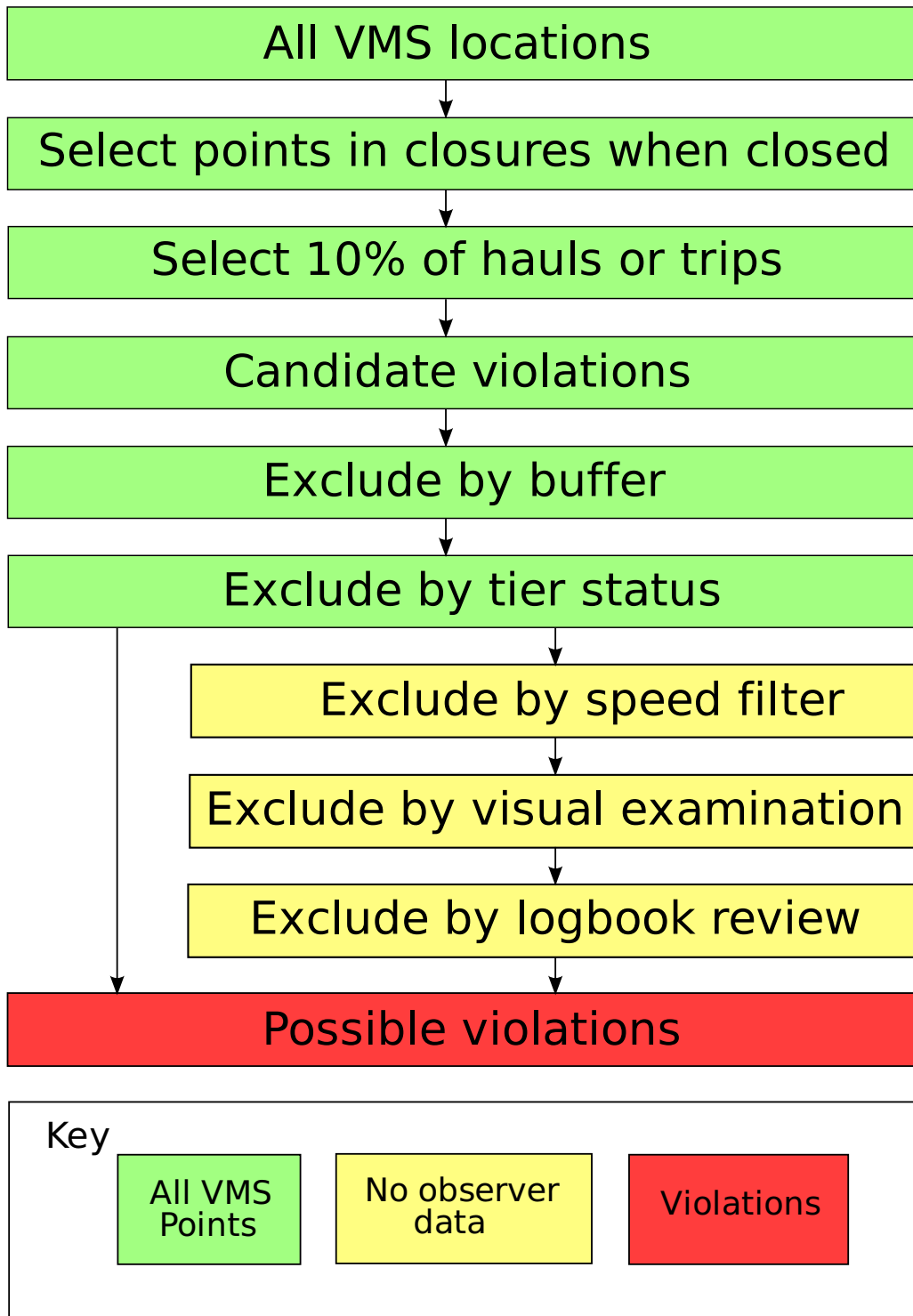


Figure 1. Closure violation assessment flowchart.

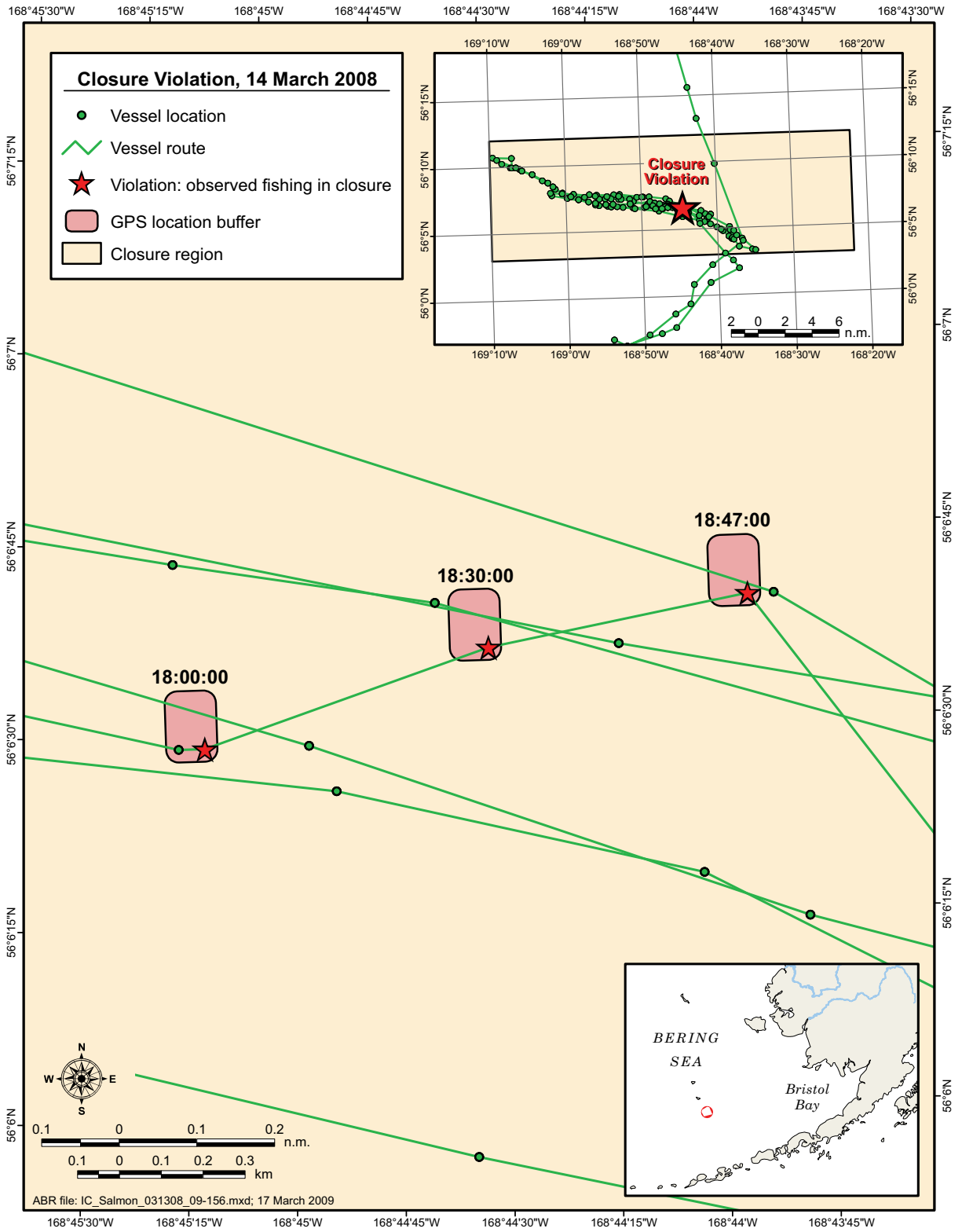


Figure 2. Location of observed fishing violation in closure region, 14 March 2008.

Appendix 1. Audited hauls for the Bering Sea pollock fishery, 2008.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CVS_O	Alaskan Command	01/26/2008 13:16	01/26/2008 20:14	158.83
CVS_O	Alaskan Command	01/27/2008 04:27	01/27/2008 09:36	51.98
CVS_O	Alaskan Command	01/28/2008 18:39	01/29/2008 10:10	172.40
CVS_O	Alaskan Command	01/30/2008 21:57	01/31/2008 07:19	266.77
CVS_O	Alaskan Command	01/31/2008 13:39	01/31/2008 19:59	55.79
CVS_O	Alaskan Command	01/31/2008 22:31	02/01/2008 09:35	103.83
CVS_O	Alaskan Command	02/01/2008 13:41	02/01/2008 18:48	155.83
CVS_O	Alaskan Command	02/04/2008 02:58	02/04/2008 06:43	105.96
CVS_O	Alaskan Command	02/04/2008 08:41	02/04/2008 17:54	23.59
CVS_O	Alaskan Command	02/04/2008 20:16	02/05/2008 09:56	100.06
CVS_O	Alaskan Command	02/05/2008 12:20	02/05/2008 17:53	99.82
CVS_O	Alaskan Command	02/05/2008 23:42	02/06/2008 11:56	72.51
CVS_O	Alaskan Command	02/06/2008 14:34	02/06/2008 19:51	124.77
CVS_O	Alaskan Command	02/07/2008 03:07	02/07/2008 09:58	39.74
CVS_O	Alaskan Command	02/09/2008 19:32	02/10/2008 09:31	173.00
CVS_O	Alaskan Command	02/26/2008 22:31	02/26/2008 23:21	230.00
CVS_O	Alaskan Command	03/01/2008 06:34	03/01/2008 09:28	193.80
CVS_O	Alaskan Command	08/01/2008 09:15	08/01/2008 18:31	282.35
CVS_O	Alaskan Command	08/01/2008 21:53	08/02/2008 09:06	159.38
CVS_O	Alaskan Command	08/02/2008 11:13	08/02/2008 16:33	149.76
CP	Alaska Ocean	01/24/2008 07:15	01/24/2008 09:25	74.88
CP	Alaska Ocean	01/27/2008 20:10	01/27/2008 21:30	100.44
CP	Alaska Ocean	01/30/2008 08:45	01/30/2008 12:45	127.03
CP	Alaska Ocean	02/02/2008 11:25	02/02/2008 14:50	76.78
CP	Alaska Ocean	02/11/2008 21:30	02/11/2008 23:45	38.35
CP	Alaska Ocean	02/12/2008 07:25	02/12/2008 10:45	102.06
CP	Alaska Ocean	02/12/2008 17:15	02/12/2008 22:45	61.69
CP	Alaska Ocean	02/13/2008 06:15	02/13/2008 11:35	73.72
CP	Alaska Ocean	02/14/2008 03:05	02/14/2008 07:00	47.30
CP	Alaska Ocean	02/20/2008 08:50	02/20/2008 10:00	81.48
CP	Alaska Ocean	02/22/2008 01:30	02/22/2008 02:25	88.30
CP	Alaska Ocean	02/23/2008 08:40	02/23/2008 11:15	90.07
CP	Alaska Ocean	02/24/2008 04:20	02/24/2008 08:50	90.91
CP	Alaska Ocean	02/24/2008 23:50	02/25/2008 00:35	154.53
CP	Alaska Ocean	02/25/2008 16:40	02/25/2008 17:35	70.51
CP	Alaska Ocean	06/12/2008 07:15	06/12/2008 08:55	82.83
CP	Alaska Ocean	06/12/2008 21:15	06/12/2008 22:35	106.79
CP	Alaska Ocean	06/14/2008 22:45	06/14/2008 23:50	95.33
CP	Alaska Ocean	06/15/2008 04:35	06/15/2008 05:45	126.13
CP	Alaska Ocean	06/17/2008 17:45	06/17/2008 19:40	105.80
CP	Alaska Ocean	06/21/2008 19:45	06/21/2008 22:35	79.41
CP	Alaska Ocean	06/22/2008 00:35	06/22/2008 05:00	94.31
CP	Alaska Ocean	06/25/2008 02:15	06/25/2008 03:40	87.74
CP	Alaska Ocean	06/27/2008 11:25	06/27/2008 14:10	82.63
CP	Alaska Ocean	06/28/2008 00:10	06/28/2008 01:40	6.26
CP	Alaska Ocean	06/29/2008 10:20	06/29/2008 12:40	31.85
CP	Alaska Ocean	07/08/2008 21:40	07/09/2008 02:45	79.96
CP	Alaska Ocean	07/13/2008 19:05	07/13/2008 22:10	115.45
CP	Alaska Ocean	07/16/2008 09:00	07/16/2008 11:50	113.61
CP	Alaska Ocean	07/16/2008 12:50	07/16/2008 14:50	90.34

Appendix 1. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CP	Alaska Ocean	07/17/2008 09:30	07/17/2008 11:15	23.54
CP	Alaska Ocean	07/18/2008 10:35	07/18/2008 13:00	23.08
CP	Alaska Ocean	07/18/2008 14:45	07/18/2008 17:10	8.46
CP	Alaska Ocean	07/19/2008 21:40	07/20/2008 00:10	16.18
CP	Alaska Ocean	07/20/2008 20:20	07/20/2008 23:45	78.96
CP	Alaska Ocean	07/21/2008 00:25	07/21/2008 06:15	90.88
CP	Alaska Ocean	07/21/2008 13:45	07/21/2008 16:15	75.15
CP	Alaska Ocean	07/23/2008 11:30	07/23/2008 13:05	11.62
CP	Alaska Ocean	07/25/2008 05:10	07/25/2008 11:00	75.79
CP	Alaska Ocean	08/01/2008 17:50	08/01/2008 19:55	103.39
CP	Alaska Ocean	08/11/2008 12:10	08/11/2008 14:35	7.18
CP	Alaska Ocean	08/12/2008 02:25	08/12/2008 04:20	11.19
CP	Alaska Ocean	08/12/2008 06:55	08/12/2008 14:15	74.30
CP	Alaska Ocean	08/15/2008 11:40	08/15/2008 15:10	112.11
CP	Alaska Ocean	08/16/2008 13:05	08/16/2008 17:20	98.54
CP	Alaska Ocean	08/18/2008 13:50	08/18/2008 16:15	63.56
CP	Alaska Ocean	08/20/2008 18:35	08/21/2008 02:20	83.75
CP	Alaska Ocean	08/22/2008 10:05	08/22/2008 14:45	61.73
CP	Alaska Ocean	08/25/2008 23:45	08/26/2008 06:10	55.14
CP	Alaska Ocean	09/02/2008 01:05	09/02/2008 03:10	27.41
CP	Alaska Ocean	09/03/2008 09:15	09/03/2008 13:10	15.85
CP	Alaska Ocean	09/03/2008 14:15	09/03/2008 23:40	83.60
CP	Alaska Ocean	09/05/2008 04:25	09/05/2008 09:05	121.97
CP	Alaska Ocean	09/07/2008 10:50	09/07/2008 16:10	52.42
CP	Alaska Ocean	09/19/2008 05:35	09/19/2008 07:45	91.83
CP	Alaska Ocean	09/20/2008 17:55	09/20/2008 22:00	85.62
CP	Alaska Ocean	09/24/2008 05:15	09/24/2008 05:30	4.48
CP	Alaska Ocean	09/24/2008 18:20	09/24/2008 22:45	65.19
CP	Alaska Ocean	10/02/2008 01:50	10/02/2008 05:10	90.74
CP	Alaska Ocean	10/03/2008 22:50	10/04/2008 01:30	159.57
CVS_O	Aldebaran	02/11/2008 04:15	02/11/2008 09:35	27.54
CVS_O	Aldebaran	02/11/2008 22:45	02/12/2008 09:00	135.00
CVS_O	Aldebaran	02/12/2008 11:25	02/12/2008 18:50	30.00
CVS_O	Aldebaran	02/15/2008 19:00	02/15/2008 19:30	120.00
CVM	Aleutian Challenger	01/21/2008 02:15	01/21/2008 04:50	65.48
CVM	Aleutian Challenger	01/24/2008 07:00	01/24/2008 16:45	70.29
CVM	Aleutian Challenger	01/29/2008 14:20	01/29/2008 18:30	6.53
CVM	Aleutian Challenger	01/29/2008 20:15	01/30/2008 00:30	70.36
CVM	Aleutian Challenger	02/10/2008 13:50	02/10/2008 15:00	65.49
CVM	Aleutian Challenger	08/16/2008 07:00	08/16/2008 07:30	0.00
CVM	Aleutian Challenger	09/28/2008 18:45	09/29/2008 10:30	17.92
CVM	Aleutian Challenger	10/03/2008 04:45	10/03/2008 12:15	67.42
CVM	Aleutian Challenger	10/15/2008 22:00	10/16/2008 12:20	30.11
CVM	Aleutian Challenger	10/19/2008 02:00	10/19/2008 09:00	71.37
CVM	Aleutian Challenger	10/20/2008 03:25	10/20/2008 08:30	69.80
CVM	Aleutian Challenger	10/21/2008 23:45	10/22/2008 16:20	40.49
CVM	Aleutian Challenger	10/22/2008 17:10	10/23/2008 09:00	69.71
CVM	Aleutian Challenger	10/24/2008 06:30	10/24/2008 12:00	21.42
CVM	Aleutian Challenger	10/28/2008 11:14	10/28/2008 15:15	5.52
CVS_O	Alesa	02/21/2008 18:14	02/21/2008 19:14	2.89

Appendix 1. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CVS_O	Alsea	02/22/2008 06:49	02/22/2008 09:39	3.19
CVS_O	Alsea	02/23/2008 08:24	02/23/2008 11:39	87.65
CVS_O	Alsea	02/23/2008 12:59	02/23/2008 15:09	172.95
CVS_O	Alsea	02/23/2008 16:53	02/23/2008 20:39	77.71
CVS_O	Alsea	02/23/2008 22:59	02/24/2008 00:29	116.87
CVS_O	Alsea	02/26/2008 21:26	02/26/2008 23:54	45.94
CVS_O	Alsea	08/03/2008 02:56	08/03/2008 13:11	68.93
CVS_O	Alsea	08/03/2008 14:01	08/04/2008 00:21	59.60
CVS_O	Alsea	08/04/2008 01:51	08/04/2008 12:11	49.35
CVS_O	Alsea	08/04/2008 16:21	08/05/2008 00:26	49.99
CVS_O	Alsea	08/05/2008 01:56	08/05/2008 09:26	89.94
CVS_O	Alsea	08/05/2008 11:56	08/05/2008 19:06	69.86
CVS_O	Alsea	08/05/2008 20:20	08/06/2008 05:51	39.79
CVM	Alyeska	01/27/2008 19:30	01/27/2008 22:30	66.83
CVM	Alyeska	09/16/2008 06:45	09/16/2008 07:45	0.00
CVM	Alyeska	09/19/2008 06:40	09/19/2008 07:25	0.00
CVM	Alyeska	09/19/2008 13:15	09/19/2008 14:20	0.00
CVM	Alyeska	09/19/2008 17:30	09/19/2008 19:13	0.00
CVM	Alyeska	09/20/2008 08:45	09/20/2008 09:20	0.00
CVM	Alyeska	09/20/2008 14:42	09/20/2008 15:30	0.00
CVM	Alyeska	09/21/2008 10:50	09/21/2008 11:50	0.00
CVM	Alyeska	09/23/2008 06:47	09/23/2008 07:24	0.00
CVM	Alyeska	09/30/2008 11:00	09/30/2008 12:30	0.00
CVM	Alyeska	10/09/2008 06:00	10/09/2008 07:00	0.00
CVM	Alyeska	10/10/2008 06:00	10/10/2008 07:23	0.00
CVM	Alyeska	10/12/2008 14:25	10/12/2008 15:25	0.00
CVM	Alyeska	10/12/2008 18:45	10/12/2008 19:45	0.00
CVM	Alyeska	10/13/2008 21:15	10/13/2008 22:41	0.00
CVM	Alyeska	10/14/2008 17:40	10/14/2008 20:55	0.00
CVM	Alyeska	10/20/2008 08:40	10/20/2008 09:40	0.00
CVM	Alyeska	10/21/2008 05:30	10/21/2008 06:35	0.00
CVM	Alyeska	10/21/2008 17:50	10/21/2008 19:20	0.00
CVM	Alyeska	10/22/2008 16:20	10/22/2008 17:00	0.00
CVM	Alyeska	10/23/2008 09:40	10/23/2008 10:25	0.00
CVM	Alyeska	11/04/2008 12:00	11/04/2008 13:41	0.00
CVM	Alyeska	11/08/2008 16:44	11/08/2008 17:07	0.00
CVM	Alyeska	11/11/2008 11:50	11/11/2008 12:10	0.00
CVM	American Beauty	02/28/2008 18:00	02/28/2008 19:20	67.71
CVM	American Beauty	08/23/2008 19:27	08/24/2008 05:00	18.83
CVM	American Beauty	08/26/2008 00:40	08/26/2008 13:05	33.56
CVM	American Beauty	08/27/2008 19:50	08/28/2008 07:42	14.65
CVM	American Beauty	08/30/2008 01:00	08/30/2008 08:50	64.72
CVM	American Beauty	09/27/2008 13:15	09/28/2008 04:00	23.45
CVM	American Beauty	10/03/2008 04:30	10/03/2008 09:30	66.03
CVM	American Beauty	10/04/2008 01:50	10/04/2008 08:30	70.01
CVM	American Beauty	10/06/2008 10:30	10/07/2008 02:00	23.28
CVM	American Beauty	10/20/2008 20:15	10/21/2008 08:20	65.52
CP	American Dynasty	01/22/2008 01:15	01/22/2008 06:05	104.22
CP	American Dynasty	01/30/2008 09:45	01/30/2008 13:30	65.80
CP	American Dynasty	01/30/2008 14:15	01/30/2008 17:30	68.48

Appendix 1. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CP	American Dynasty	02/02/2008 23:00	02/03/2008 04:50	39.39
CP	American Dynasty	02/04/2008 02:15	02/04/2008 04:00	81.90
CP	American Dynasty	02/05/2008 02:05	02/05/2008 08:40	72.07
CP	American Dynasty	02/07/2008 19:00	02/08/2008 00:30	58.08
CP	American Dynasty	02/10/2008 10:40	02/10/2008 15:10	77.01
CP	American Dynasty	02/19/2008 19:00	02/20/2008 04:05	34.03
CP	American Dynasty	02/23/2008 12:00	02/23/2008 16:00	128.83
CP	American Dynasty	02/24/2008 19:30	02/24/2008 21:30	128.40
CP	American Dynasty	02/25/2008 09:25	02/25/2008 12:50	129.82
CP	American Dynasty	02/28/2008 19:30	02/29/2008 01:30	55.63
CP	American Dynasty	03/01/2008 06:25	03/01/2008 10:55	126.53
CP	American Dynasty	03/11/2008 07:15	03/11/2008 15:05	59.48
CP	American Dynasty	03/12/2008 03:25	03/12/2008 11:25	73.78
CP	American Dynasty	03/13/2008 05:25	03/13/2008 11:00	48.41
CVS_O	American Eagle	08/10/2008 12:00	08/11/2008 14:00	75.00
CVS_O	American Eagle	08/11/2008 16:00	08/12/2008 00:15	39.62
CVS_O	American Eagle	08/12/2008 01:30	08/12/2008 10:30	14.09
CVS_O	American Eagle	08/12/2008 12:00	08/12/2008 18:15	4.93
CVS_O	American Eagle	08/13/2008 09:45	08/13/2008 22:00	23.18
CVS_O	American Eagle	08/13/2008 23:20	08/14/2008 02:40	58.46
CVS_O	American Eagle	08/23/2008 02:00	08/23/2008 18:00	59.31
CVS_O	American Eagle	08/23/2008 19:30	08/24/2008 10:00	24.39
CVS_O	American Eagle	08/25/2008 09:00	08/25/2008 19:00	67.17
CVS_O	American Eagle	08/25/2008 21:00	08/26/2008 02:45	29.28
CP	American Triumph	01/20/2008 21:10	01/21/2008 01:30	156.32
CP	American Triumph	01/29/2008 03:30	01/29/2008 08:00	103.54
CP	American Triumph	01/30/2008 10:40	01/30/2008 12:30	101.26
CP	American Triumph	01/31/2008 12:00	01/31/2008 15:20	118.46
CP	American Triumph	02/10/2008 09:35	02/10/2008 14:55	111.64
CP	American Triumph	02/16/2008 04:00	02/16/2008 10:00	78.24
CP	American Triumph	02/20/2008 00:30	02/20/2008 04:40	51.02
CP	American Triumph	02/20/2008 10:20	02/20/2008 16:20	62.49
CP	American Triumph	02/20/2008 17:45	02/21/2008 00:00	25.39
CP	American Triumph	02/27/2008 12:00	02/27/2008 15:50	108.13
CP	American Triumph	02/29/2008 00:45	02/29/2008 02:40	65.66
CP	American Triumph	02/29/2008 14:30	02/29/2008 19:25	87.60
CP	American Triumph	03/01/2008 10:45	03/01/2008 12:55	92.49
CP	American Triumph	03/02/2008 05:45	03/02/2008 09:45	105.95
CP	American Triumph	03/02/2008 15:50	03/02/2008 21:30	130.59
CP	American Triumph	03/03/2008 14:10	03/03/2008 22:50	94.86
CP	American Triumph	06/28/2008 12:15	06/28/2008 16:25	125.24
CP	American Triumph	06/30/2008 16:10	06/30/2008 20:25	164.06
CP	American Triumph	07/01/2008 17:50	07/01/2008 20:50	116.93
CP	American Triumph	07/04/2008 04:45	07/04/2008 08:45	127.81
CP	American Triumph	07/04/2008 10:00	07/04/2008 13:40	99.82
CP	American Triumph	07/05/2008 06:45	07/05/2008 10:45	98.87
CP	American Triumph	07/06/2008 07:30	07/06/2008 10:45	8.19
CP	American Triumph	07/19/2008 09:10	07/19/2008 13:50	64.65
CP	American Triumph	07/21/2008 14:40	07/21/2008 20:00	131.92
CP	American Triumph	07/24/2008 12:00	07/24/2008 19:25	103.81

Appendix 1. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CP	American Triumph	07/26/2008 19:50	07/27/2008 01:30	73.74
CP	American Triumph	08/02/2008 15:25	08/02/2008 21:00	85.61
CP	American Triumph	08/02/2008 21:40	08/03/2008 03:00	64.84
CP	American Triumph	08/04/2008 18:45	08/04/2008 20:15	109.32
CP	American Triumph	08/05/2008 13:10	08/05/2008 16:00	139.73
CP	American Triumph	08/08/2008 20:40	08/09/2008 02:00	124.12
CP	American Triumph	08/20/2008 04:20	08/20/2008 09:15	97.19
CP	American Triumph	08/20/2008 10:05	08/20/2008 14:15	35.87
CP	American Triumph	08/21/2008 21:45	08/22/2008 02:15	121.98
CP	American Triumph	08/27/2008 18:45	08/28/2008 02:15	57.16
CP	American Triumph	08/30/2008 21:30	08/31/2008 05:15	52.29
CP	American Triumph	09/01/2008 02:00	09/01/2008 09:45	71.62
CP	American Triumph	09/03/2008 02:10	09/03/2008 08:15	137.42
CP	American Triumph	09/20/2008 15:00	09/21/2008 01:55	104.79
CP	American Triumph	09/20/2008 16:40	09/20/2008 21:40	109.04
CP	American Triumph	09/23/2008 06:45	09/23/2008 14:00	75.81
CVS_O	Arctic Explorer	01/25/2008 13:20	01/25/2008 14:45	94.47
CVS_O	Arctic Explorer	01/25/2008 16:20	01/25/2008 20:10	82.35
CVS_O	Arctic Explorer	01/25/2008 21:30	01/26/2008 09:05	74.81
CVS_O	Arctic Explorer	01/26/2008 10:05	01/26/2008 13:38	52.39
CVS_O	Arctic Explorer	01/27/2008 16:40	01/27/2008 22:15	59.96
CVS_O	Arctic Explorer	01/27/2008 23:15	01/28/2008 10:30	91.61
CVS_O	Arctic Explorer	01/28/2008 11:55	01/28/2008 18:15	72.85
CVS_O	Arctic Explorer	01/28/2008 19:20	01/29/2008 06:50	81.00
CVS_O	Arctic Explorer	02/07/2008 11:35	02/07/2008 14:00	23.69
CVS_O	Arctic Explorer	02/07/2008 18:00	02/07/2008 23:05	67.07
CVS_O	Arctic Explorer	02/07/2008 23:53	02/08/2008 03:45	38.76
CVS_O	Arctic Explorer	02/08/2008 04:30	02/08/2008 11:30	37.75
CVS_O	Arctic Explorer	02/08/2008 12:30	02/08/2008 23:25	78.00
CVS_O	Arctic Explorer	02/11/2008 06:45	02/11/2008 12:00	123.68
CVS_O	Arctic Explorer	02/11/2008 13:30	02/11/2008 16:20	18.68
CVS_O	Arctic Explorer	02/11/2008 18:30	02/11/2008 23:25	76.04
CVS_O	Arctic Explorer	03/07/2008 20:00	03/07/2008 21:30	107.89
CVS_O	Arctic Explorer	03/07/2008 22:30	03/07/2008 22:50	115.33
CVS_O	Arctic Explorer	03/07/2008 23:55	03/08/2008 00:30	70.84
CVS_O	Arctic Explorer	03/08/2008 02:00	03/08/2008 02:40	17.83
CVS_O	Arctic Explorer	06/19/2008 00:50	06/19/2008 08:40	34.32
CVS_O	Arctic Explorer	06/19/2008 10:35	06/19/2008 16:35	74.51
CVS_O	Arctic Explorer	06/19/2008 17:30	06/20/2008 07:40	110.62
CVS_O	Arctic Explorer	06/20/2008 09:00	06/20/2008 18:10	60.80
CVS_O	Arctic Explorer	06/21/2008 20:40	06/22/2008 01:22	67.17
CVS_O	Arctic Explorer	06/22/2008 03:00	06/22/2008 08:45	21.40
CVS_O	Arctic Explorer	06/22/2008 10:30	06/22/2008 16:30	49.15
CVS_O	Arctic Explorer	06/22/2008 18:15	06/23/2008 07:00	74.72
CVS_O	Arctic Explorer	08/06/2008 10:00	08/06/2008 16:00	73.11
CVS_O	Arctic Explorer	08/06/2008 16:30	08/06/2008 22:30	73.44
CVS_O	Arctic Explorer	08/06/2008 23:20	08/07/2008 08:30	65.42
CVS_O	Arctic Explorer	08/07/2008 09:30	08/07/2008 11:25	0.92
CVS_O	Arctic Explorer	08/07/2008 13:30	08/07/2008 18:00	82.62
CVS_O	Arctic Explorer	08/10/2008 12:30	08/10/2008 23:00	46.98

Appendix 1. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CVS_O	Arctic Explorer	08/17/2008 22:00	08/18/2008 09:00	49.40
CVS_O	Arctic Explorer	08/18/2008 10:00	08/18/2008 16:05	61.94
CVS_O	Arctic Explorer	08/18/2008 17:15	08/19/2008 07:00	61.42
CVS_O	Arctic Explorer	08/19/2008 08:20	08/19/2008 19:48	55.73
CVS_O	Arctic Explorer	08/19/2008 20:30	08/20/2008 03:25	17.83
CVS_O	Arctic Explorer	08/21/2008 22:00	08/22/2008 09:00	44.41
CP	Arctic Fjord	01/23/2008 13:55	01/23/2008 18:35	9.90
CP	Arctic Fjord	01/25/2008 00:50	01/25/2008 05:15	63.23
CP	Arctic Fjord	01/26/2008 18:10	01/26/2008 21:50	69.75
CP	Arctic Fjord	01/27/2008 11:30	01/27/2008 17:00	68.83
CP	Arctic Fjord	01/27/2008 19:40	01/27/2008 21:45	75.38
CP	Arctic Fjord	02/15/2008 02:50	02/15/2008 07:30	64.36
CP	Arctic Fjord	02/15/2008 09:30	02/15/2008 13:50	42.49
CP	Arctic Fjord	02/15/2008 15:00	02/15/2008 17:00	87.85
CP	Arctic Fjord	02/20/2008 09:30	02/20/2008 10:00	94.62
CP	Arctic Fjord	02/23/2008 14:00	02/23/2008 15:45	110.84
CP	Arctic Fjord	02/25/2008 23:55	02/26/2008 03:00	120.06
CP	Arctic Fjord	02/26/2008 17:50	02/26/2008 18:00	4.05
CP	Arctic Fjord	03/02/2008 09:05	03/02/2008 10:35	106.74
CP	Arctic Fjord	03/05/2008 07:45	03/05/2008 13:00	59.75
CP	Arctic Fjord	03/05/2008 22:45	03/06/2008 04:30	23.06
CP	Arctic Fjord	03/07/2008 02:15	03/07/2008 05:00	54.05
CP	Arctic Fjord	06/30/2008 16:00	06/30/2008 18:00	24.61
CP	Arctic Fjord	07/03/2008 06:35	07/03/2008 12:05	55.91
CP	Arctic Fjord	07/04/2008 02:20	07/04/2008 07:00	45.52
CP	Arctic Fjord	07/05/2008 13:40	07/05/2008 17:40	75.63
CP	Arctic Fjord	07/12/2008 08:20	07/12/2008 12:30	93.73
CP	Arctic Fjord	07/16/2008 07:40	07/16/2008 11:45	80.46
CP	Arctic Fjord	07/17/2008 11:40	07/17/2008 13:25	66.13
CP	Arctic Fjord	07/19/2008 00:10	07/19/2008 05:15	55.98
CP	Arctic Fjord	07/25/2008 15:30	07/25/2008 17:45	61.38
CP	Arctic Fjord	07/26/2008 17:00	07/26/2008 20:00	56.32
CP	Arctic Fjord	07/29/2008 19:40	07/29/2008 22:40	99.02
CP	Arctic Fjord	08/21/2008 02:00	08/21/2008 08:00	76.18
CP	Arctic Fjord	08/26/2008 17:35	08/26/2008 19:45	66.34
CP	Arctic Storm	01/20/2008 16:05	01/20/2008 16:20	45.57
CP	Arctic Storm	02/09/2008 14:20	02/09/2008 20:05	44.35
CP	Arctic Storm	02/09/2008 23:30	02/10/2008 00:50	69.55
CP	Arctic Storm	02/16/2008 15:15	02/16/2008 22:30	83.69
CP	Arctic Storm	02/18/2008 13:00	02/18/2008 15:05	94.81
CP	Arctic Storm	02/25/2008 04:20	02/25/2008 05:00	117.40
CP	Arctic Storm	02/26/2008 14:55	02/26/2008 17:30	92.21
CP	Arctic Storm	03/02/2008 12:55	03/02/2008 15:45	59.70
CP	Arctic Storm	06/29/2008 04:45	06/29/2008 07:15	75.81
CP	Arctic Storm	07/01/2008 09:40	07/01/2008 13:15	71.69
CP	Arctic Storm	07/01/2008 14:40	07/01/2008 17:40	80.64
CP	Arctic Storm	07/03/2008 01:00	07/03/2008 05:00	86.73
CP	Arctic Storm	07/04/2008 22:50	07/05/2008 02:00	89.21
CP	Arctic Storm	07/05/2008 18:55	07/05/2008 23:55	67.92
CP	Arctic Storm	07/11/2008 04:45	07/11/2008 07:30	82.32

Appendix 1. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CP	Arctic Storm	08/11/2008 00:30	08/11/2008 03:10	75.77
CP	Arctic Storm	08/13/2008 04:30	08/13/2008 11:25	78.76
CP	Arctic Storm	08/13/2008 21:20	08/13/2008 23:10	16.74
CP	Arctic Storm	08/14/2008 16:00	08/14/2008 23:15	87.10
CP	Arctic Storm	08/15/2008 17:20	08/16/2008 00:30	98.98
CP	Arctic Storm	08/17/2008 17:00	08/17/2008 20:45	117.14
CP	Arctic Storm	08/20/2008 11:45	08/20/2008 19:50	121.87
CVS_O	Arctic Wind	06/28/2008 11:15	06/28/2008 16:00	61.51
CVS_O	Arctic Wind	06/28/2008 17:00	06/28/2008 22:45	92.26
CVS_O	Arctic Wind	06/29/2008 00:20	06/29/2008 08:20	102.51
CVS_O	Arctic Wind	09/25/2008 17:15	09/25/2008 23:30	9.90
CVS_O	Arctic Wind	09/26/2008 01:45	09/26/2008 14:00	29.71
CVS_O	Arctic Wind	09/26/2008 15:15	09/26/2008 21:30	4.95
CVS_O	Arctic Wind	09/27/2008 00:15	09/27/2008 10:00	19.81
CVS_O	Arctic Wind	09/27/2008 17:45	09/27/2008 22:45	4.95
CVS_O	Arctic Wind	09/28/2008 00:15	09/28/2008 09:45	9.90
CVS_O	Arctic Wind	09/28/2008 10:30	09/28/2008 17:00	0.99
CVS_O	Arcturus	08/19/2008 13:30	08/19/2008 22:30	16.81
CVS_O	Arcturus	08/20/2008 01:00	08/20/2008 08:30	39.23
CVS_O	Arcturus	08/20/2008 10:30	08/20/2008 12:00	0.00
CVS_O	Arcturus	08/20/2008 14:45	08/20/2008 21:00	16.83
CVS_O	Arcturus	08/21/2008 00:30	08/21/2008 11:50	71.22
CVS_O	Arcturus	08/23/2008 13:30	08/23/2008 21:30	10.94
CVS_O	Arcturus	09/21/2008 22:00	09/22/2008 11:30	44.40
CVS_O	Arcturus	09/22/2008 22:00	09/23/2008 08:00	23.16
CVS_O	Arcturus	09/23/2008 19:00	09/24/2008 09:00	17.18
CVS_O	Auriga	07/03/2008 09:45	07/04/2008 00:10	104.52
CVS_O	Auriga	07/04/2008 06:35	07/04/2008 14:25	110.00
CVS_O	Auriga	07/04/2008 18:30	07/05/2008 01:45	84.46
CVS_O	Auriga	07/05/2008 02:50	07/05/2008 08:45	24.91
CVS_O	Auriga	07/05/2008 11:35	07/05/2008 21:30	221.40
CVS_O	Auriga	07/09/2008 13:00	07/09/2008 16:45	9.96
CVS_O	Aurora	07/25/2008 00:30	07/25/2008 12:50	181.73
CVS_O	Aurora	07/25/2008 14:10	07/25/2008 23:50	105.97
CVS_O	Aurora	07/26/2008 01:20	07/26/2008 16:20	147.11
CVS_O	Aurora	07/26/2008 19:00	07/26/2008 20:45	129.48
CVS_O	Bering Rose	02/17/2008 18:30	02/18/2008 00:30	116.79
CVS_O	Bering Rose	02/18/2008 02:00	02/18/2008 05:15	125.80
CVS_O	Bering Rose	02/18/2008 06:30	02/18/2008 13:00	119.70
CVS_O	Bristol Explorer	01/26/2008 20:03	01/27/2008 08:21	33.96
CVS_O	Bristol Explorer	01/27/2008 11:59	01/27/2008 16:28	114.91
CVS_O	Bristol Explorer	01/27/2008 18:55	01/28/2008 10:43	101.72
CVS_O	Bristol Explorer	01/28/2008 12:02	01/28/2008 15:46	89.47
CVS_O	Bristol Explorer	01/30/2008 03:00	01/30/2008 07:44	103.63
CVS_O	Bristol Explorer	01/30/2008 09:22	01/30/2008 14:10	105.91
CVS_O	Bristol Explorer	01/30/2008 15:10	01/30/2008 18:10	110.92
CVS_O	Bristol Explorer	06/28/2008 00:40	06/28/2008 04:37	106.40
CVS_O	Bristol Explorer	06/28/2008 06:08	06/28/2008 11:25	111.07
CVS_O	Bristol Explorer	06/28/2008 12:54	06/28/2008 17:10	105.70
CVM	California Horizon	01/30/2008 16:19	01/30/2008 22:35	31.44

Appendix 1. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CVM	California Horizon	02/01/2008 02:24	02/01/2008 10:15	32.20
CVM	California Horizon	02/01/2008 20:20	02/01/2008 23:45	29.61
CVM	California Horizon	02/02/2008 07:15	02/02/2008 13:22	33.08
CVM	California Horizon	02/05/2008 03:04	02/05/2008 09:45	19.03
CVM	California Horizon	02/07/2008 12:41	02/07/2008 13:53	49.24
CVM	California Horizon	02/28/2008 05:47	02/28/2008 07:11	39.17
CVM	California Horizon	02/29/2008 18:23	02/29/2008 18:40	54.78
CVM	California Horizon	03/01/2008 10:25	03/01/2008 11:10	54.86
CVM	California Horizon	09/19/2008 14:15	09/19/2008 17:40	0.00
CVM	California Horizon	09/25/2008 10:30	09/25/2008 11:00	0.00
CVM	California Horizon	09/25/2008 12:55	09/25/2008 13:16	0.00
CVM	California Horizon	09/25/2008 19:50	09/25/2008 22:05	0.00
CVM	California Horizon	10/08/2008 14:50	10/08/2008 16:45	0.00
CVM	California Horizon	10/15/2008 12:25	10/15/2008 19:40	0.00
CVM	California Horizon	10/17/2008 12:20	10/17/2008 18:10	0.00
CVM	California Horizon	10/18/2008 14:10	10/18/2008 17:50	0.00
CVM	California Horizon	10/20/2008 07:15	10/20/2008 07:40	0.00
CVM	California Horizon	10/22/2008 16:54	10/22/2008 18:34	0.00
CVM	California Horizon	10/30/2008 14:25	10/30/2008 14:38	0.00
CVS_O	Chelsea K	01/21/2008 00:12	01/21/2008 07:24	199.72
CVS_O	Chelsea K	01/21/2008 09:05	01/21/2008 13:09	193.31
CVS_O	Chelsea K	01/21/2008 14:50	01/21/2008 19:13	85.81
CVS_O	Chelsea K	01/21/2008 21:02	01/22/2008 03:25	99.07
CVS_O	Chelsea K	01/22/2008 04:51	01/22/2008 10:55	52.64
CVS_O	Chelsea K	01/22/2008 23:20	01/23/2008 09:16	200.24
CVS_O	Chelsea K	01/25/2008 12:46	01/25/2008 16:33	46.14
CVS_O	Chelsea K	01/25/2008 17:50	01/26/2008 02:35	167.57
CVS_O	Chelsea K	01/26/2008 04:56	01/26/2008 13:48	58.63
CVS_O	Chelsea K	01/26/2008 15:50	01/26/2008 23:59	79.87
CVS_O	Chelsea K	01/27/2008 02:03	01/27/2008 09:45	29.30
CVS_O	Chelsea K	01/27/2008 18:05	01/27/2008 21:00	32.65
CVS_O	Chelsea K	01/27/2008 22:21	01/28/2008 00:46	89.81
CVS_O	Chelsea K	01/29/2008 21:59	01/30/2008 04:37	185.97
CVS_O	Chelsea K	01/30/2008 06:09	01/30/2008 12:01	92.03
CVS_O	Chelsea K	01/30/2008 13:27	01/30/2008 15:37	190.68
CVS_O	Chelsea K	01/30/2008 16:59	01/30/2008 23:18	187.16
CVS_O	Chelsea K	01/31/2008 00:49	01/31/2008 05:47	72.95
CVS_O	Chelsea K	02/02/2008 05:20	02/02/2008 12:17	9.78
CVS_O	Chelsea K	02/02/2008 21:22	02/03/2008 03:14	9.20
CVS_O	Chelsea K	06/10/2008 16:06	06/10/2008 17:50	144.09
CVS_O	Chelsea K	06/10/2008 19:10	06/10/2008 23:43	51.46
CVS_O	Chelsea K	06/11/2008 01:26	06/11/2008 07:53	179.36
CVS_O	Chelsea K	06/11/2008 10:45	06/11/2008 15:38	102.28
CVS_O	Chelsea K	06/11/2008 16:51	06/11/2008 23:23	154.38
CVS_O	Chelsea K	06/12/2008 00:52	06/12/2008 10:07	10.29
CVS_O	Chelsea K	06/12/2008 11:53	06/12/2008 15:23	10.29
CVS_O	Chelsea K	06/12/2008 17:15	06/12/2008 18:54	154.38
CVS_O	Chelsea K	06/14/2008 13:53	06/14/2008 21:58	96.17
CVS_O	Chelsea K	06/14/2008 23:23	06/15/2008 05:52	40.22
CVS_O	Chelsea K	06/15/2008 08:26	06/15/2008 17:15	87.08

Appendix 1. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CVS_O	Chelsea K	07/27/2008 06:44	07/27/2008 18:12	149.01
CVS_O	Chelsea K	07/27/2008 20:15	07/28/2008 03:01	99.50
CVS_O	Chelsea K	07/28/2008 05:46	07/28/2008 10:01	9.85
CVS_O	Chelsea K	07/28/2008 16:28	07/28/2008 20:43	146.25
CVS_O	Chelsea K	07/28/2008 21:52	07/28/2008 23:14	99.50
CVS_O	Chelsea K	07/29/2008 01:52	07/29/2008 09:53	149.00
CVS_O	Chelsea K	07/29/2008 15:45	07/29/2008 17:02	4.98
CVS_O	Chelsea K	07/29/2008 20:33	07/30/2008 08:09	98.07
CVS_O	Chelsea K	07/30/2008 10:08	07/30/2008 12:13	54.34
CVS_O	Chelsea K	08/02/2008 21:42	08/03/2008 08:22	79.86
CVS_O	Columbia	02/27/2008 02:45	02/27/2008 04:20	125.17
CVS_O	Columbia	02/27/2008 05:45	02/27/2008 10:20	108.23
CVS_O	Columbia	10/12/2008 00:15	10/12/2008 10:15	37.32
CVS_O	Columbia	10/12/2008 13:00	10/12/2008 14:15	9.33
CVS_O	Columbia	10/12/2008 15:30	10/13/2008 10:30	73.91
CVS_O	Commodore	06/14/2008 09:30	06/14/2008 13:10	90.00
CVS_O	Commodore	06/17/2008 02:00	06/17/2008 11:25	36.71
CVS_O	Commodore	06/17/2008 13:30	06/17/2008 17:15	46.17
CVS_O	Commodore	06/17/2008 18:35	06/17/2008 23:50	39.92
CVS_O	Commodore	06/29/2008 04:30	06/29/2008 10:30	27.75
CVS_O	Commodore	06/29/2008 14:00	06/29/2008 17:10	83.71
CVS_O	Commodore	06/29/2008 19:10	06/29/2008 21:00	31.62
CVS_O	Commodore	06/29/2008 22:00	06/30/2008 06:30	44.84
CVS_O	Commodore	07/13/2008 18:30	07/14/2008 10:00	32.65
CVS_O	Commodore	07/14/2008 11:30	07/14/2008 18:30	4.66
CVS_O	Commodore	07/16/2008 12:00	07/17/2008 08:00	63.94
CVS_O	Commodore	07/29/2008 04:00	07/29/2008 11:40	94.46
CVS_O	Commodore	07/29/2008 14:40	07/29/2008 17:30	17.54
CVS_O	Commodore	07/29/2008 20:15	07/30/2008 05:45	77.19
CVS_O	Commodore	08/01/2008 18:00	08/02/2008 12:00	51.36
CVS_O	Commodore	08/02/2008 14:30	08/02/2008 17:00	10.47
CVS_O	Commodore	08/02/2008 19:30	08/03/2008 07:00	45.19
CVS_O	Commodore	08/05/2008 22:00	08/06/2008 10:00	45.00
CVS_O	Commodore	08/07/2008 23:00	08/08/2008 09:00	27.01
CVS_O	Commodore	08/20/2008 09:00	08/20/2008 18:00	13.53
CVS_O	Commodore	08/20/2008 21:00	08/21/2008 09:30	54.13
CVS_O	Commodore	08/22/2008 22:45	08/23/2008 08:45	93.09
CVS_O	Defender	01/26/2008 15:30	01/27/2008 07:00	185.72
CVS_O	Defender	01/28/2008 18:30	01/29/2008 02:30	207.09
CVS_O	Defender	01/29/2008 03:30	01/29/2008 11:00	156.01
CVS_O	Defender	01/29/2008 12:15	01/29/2008 15:30	113.10
CVS_O	Defender	01/31/2008 13:00	01/31/2008 15:40	178.82
CVS_O	Defender	01/31/2008 16:30	02/01/2008 06:30	185.20
CVS_O	Defender	02/07/2008 20:00	02/07/2008 22:30	179.20
CVS_O	Defender	02/07/2008 23:40	02/08/2008 09:30	119.47
CVS_O	Defender	02/08/2008 11:15	02/08/2008 18:45	139.38
CVS_O	Defender	02/08/2008 20:30	02/09/2008 09:30	179.20
CVS_O	Defender	02/09/2008 11:00	02/09/2008 13:20	59.73
CVS_O	Defender	08/30/2008 15:00	08/31/2008 07:30	95.98
CVS_O	Defender	08/31/2008 11:30	08/31/2008 23:05	72.95

Appendix 1. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CVS_O	Defender	08/31/2008 23:45	09/01/2008 09:30	58.76
CVS_O	Defender	09/01/2008 10:00	09/01/2008 17:15	88.55
CVS_O	Defender	09/01/2008 18:00	09/02/2008 09:30	91.30
CVS_O	Defender	09/02/2008 10:30	09/02/2008 23:15	63.52
CVS_O	Defender	09/03/2008 00:10	09/03/2008 10:45	23.07
CVS_O	Destination	08/13/2008 00:15	08/13/2008 14:50	129.09
CVS_O	Destination	08/13/2008 16:00	08/13/2008 23:30	135.26
CVS_O	Destination	08/14/2008 01:00	08/14/2008 11:45	39.66
CVS_O	Destination	08/14/2008 13:25	08/14/2008 20:30	160.00
CVS_O	Destination	08/25/2008 20:00	08/26/2008 10:00	1.98
CVS_O	Destination	08/26/2008 13:15	08/26/2008 22:40	36.73
CVS_O	Destination	08/27/2008 02:15	08/27/2008 08:15	22.93
CVS_O	Destination	08/27/2008 11:00	08/27/2008 14:45	21.58
CVS_O	Destination	08/27/2008 15:45	08/27/2008 21:35	9.46
CVS_O	Destination	08/28/2008 00:40	08/28/2008 08:15	85.91
CVS_O	Destination	08/30/2008 00:15	08/30/2008 11:00	90.91
CVS_O	Destination	09/01/2008 13:00	09/01/2008 22:30	1.00
CVS_O	Dominator	09/07/2008 14:10	09/07/2008 21:25	32.44
CVS_O	Dominator	09/07/2008 23:00	09/08/2008 17:20	53.15
CVS_O	Dominator	09/08/2008 19:00	09/09/2008 07:05	30.17
CVS_O	Dominator	09/10/2008 13:05	09/10/2008 15:20	4.64
CVS_O	Excalibur Ii	06/23/2008 07:55	06/23/2008 13:45	27.85
CVS_O	Excalibur Ii	06/23/2008 16:45	06/23/2008 20:00	27.69
CVS_O	Excalibur Ii	06/23/2008 21:00	06/23/2008 23:59	4.08
CVS_O	Excalibur Ii	06/25/2008 00:20	06/25/2008 01:30	0.41
CVS_O	Excalibur Ii	06/25/2008 04:30	06/25/2008 06:30	6.42
CVS_O	Fierce Allegiance	02/19/2008 12:00	02/19/2008 21:30	183.29
CVS_O	Fierce Allegiance	02/19/2008 23:00	02/20/2008 06:30	18.36
CVS_O	Fierce Allegiance	02/20/2008 10:00	02/20/2008 12:30	4.63
CVS_O	Fierce Allegiance	02/20/2008 16:00	02/20/2008 20:30	93.99
CVS_O	Fierce Allegiance	02/20/2008 22:00	02/21/2008 09:00	19.66
CVS_O	Fierce Allegiance	02/21/2008 09:45	02/21/2008 10:25	23.10
CVS_O	Fierce Allegiance	02/23/2008 19:30	02/23/2008 22:30	20.00
CVS_O	Fierce Allegiance	02/23/2008 23:30	02/24/2008 02:00	200.84
CVS_O	Fierce Allegiance	06/16/2008 16:00	06/16/2008 20:00	25.48
CVS_O	Fierce Allegiance	06/18/2008 20:15	06/19/2008 08:00	112.11
CVS_O	Fierce Allegiance	06/19/2008 10:00	06/19/2008 19:30	132.40
CVS_O	Fierce Allegiance	06/19/2008 20:30	06/20/2008 03:45	10.19
CVS_O	Fierce Allegiance	06/20/2008 09:30	06/20/2008 20:00	39.87
CVS_O	Gladiator	08/19/2008 09:18	08/19/2008 15:50	58.35
CVS_O	Gladiator	08/19/2008 18:21	08/20/2008 03:35	46.66
CVS_O	Gladiator	08/20/2008 04:20	08/20/2008 05:40	4.97
CVS_O	Gladiator	08/20/2008 09:25	08/20/2008 11:05	21.51
CVS_O	Gladiator	08/20/2008 12:25	08/20/2008 15:45	56.17
CVS_O	Gladiator	08/23/2008 16:30	08/23/2008 17:35	7.17
CVS_O	Gladiator	08/23/2008 21:20	08/23/2008 23:05	2.09
CVS_O	Gladiator	10/06/2008 21:40	10/06/2008 23:45	13.97
CVS_O	Gladiator	10/07/2008 00:50	10/07/2008 10:09	42.60
CVS_O	Gladiator	10/07/2008 15:50	10/07/2008 16:10	0.00
CVS_O	Gladiator	10/07/2008 19:40	10/07/2008 21:00	0.70

Appendix 1. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CVS_O	Gladiator	10/12/2008 02:14	10/12/2008 15:30	43.07
CVS_O	Gladiator	10/12/2008 17:41	10/13/2008 11:02	63.01
CVS_O	Gladiator	10/13/2008 12:30	10/14/2008 10:48	71.98
CVS_O	Gladiator	10/14/2008 13:05	10/14/2008 18:34	72.38
CVS_O	Gladiator	10/14/2008 20:13	10/15/2008 06:53	64.03
CVS_O	Golden Dawn	06/19/2008 11:51	06/19/2008 15:56	114.39
CVS_O	Golden Dawn	06/19/2008 17:09	06/19/2008 23:36	63.48
CVS_O	Golden Dawn	06/20/2008 00:46	06/20/2008 09:58	58.87
CVS_O	Golden Dawn	06/20/2008 10:56	06/20/2008 14:39	22.88
CVS_O	Golden Dawn	06/20/2008 17:16	06/20/2008 21:52	16.40
CVS_O	Golden Dawn	06/21/2008 00:16	06/21/2008 10:11	36.19
CVS_O	Golden Dawn	06/22/2008 12:58	06/22/2008 16:35	33.76
CVS_O	Golden Dawn	06/22/2008 18:02	06/23/2008 00:38	17.54
CVS_O	Golden Dawn	06/23/2008 01:59	06/23/2008 08:38	52.10
CVS_O	Golden Dawn	06/23/2008 10:33	06/23/2008 21:10	64.41
CVS_O	Golden Dawn	06/23/2008 22:43	06/24/2008 09:00	66.55
CVS_O	Golden Dawn	06/24/2008 10:58	06/24/2008 21:11	42.21
CVS_O	Golden Dawn	06/25/2008 19:12	06/25/2008 22:47	35.18
CVS_O	Golden Dawn	06/26/2008 04:30	06/26/2008 13:36	48.38
CVS_O	Golden Dawn	06/26/2008 15:11	06/26/2008 22:45	74.75
CVS_O	Golden Dawn	06/30/2008 06:00	06/30/2008 17:42	26.39
CVS_O	Golden Dawn	07/02/2008 15:04	07/02/2008 20:31	54.72
CVS_O	Golden Dawn	07/03/2008 04:31	07/03/2008 12:43	40.70
CVS_O	Golden Dawn	07/03/2008 14:25	07/03/2008 22:04	17.36
CVS_O	Golden Dawn	07/03/2008 23:08	07/04/2008 11:27	69.27
CVS_O	Golden Dawn	07/06/2008 21:28	07/07/2008 06:32	15.77
CVS_O	Golden Dawn	07/07/2008 10:45	07/07/2008 17:57	77.81
CVS_O	Golden Dawn	07/07/2008 19:23	07/08/2008 00:05	51.43
CVS_O	Golden Dawn	07/11/2008 04:02	07/11/2008 15:52	55.94
CVS_O	Golden Dawn	07/11/2008 17:35	07/11/2008 23:20	37.39
CVS_O	Golden Dawn	07/12/2008 00:30	07/12/2008 10:15	84.14
CVS_O	Golden Dawn	07/12/2008 12:00	07/12/2008 21:55	18.44
CVS_O	Golden Dawn	07/13/2008 00:43	07/13/2008 08:15	69.83
CVS_O	Golden Dawn	07/13/2008 09:51	07/13/2008 13:30	9.45
CVS_O	Golden Dawn	07/13/2008 15:45	07/13/2008 19:05	18.29
CVS_O	Golden Dawn	07/15/2008 18:07	07/15/2008 23:28	25.69
CVS_O	Golden Dawn	08/05/2008 22:56	08/06/2008 04:26	81.44
CVS_O	Golden Dawn	08/06/2008 05:56	08/06/2008 13:31	79.39
CVS_O	Golden Dawn	08/06/2008 15:11	08/06/2008 18:26	75.39
CVS_O	Golden Dawn	08/06/2008 19:52	08/07/2008 02:56	51.28
CVS_O	Golden Dawn	10/13/2008 08:01	10/13/2008 23:02	40.19
CVS_O	Golden Dawn	10/14/2008 00:23	10/14/2008 10:04	60.35
CVS_O	Golden Dawn	10/14/2008 12:29	10/14/2008 20:52	71.67
CVS_O	Golden Dawn	10/14/2008 22:29	10/15/2008 10:44	47.51
CVS_O	Golden Dawn	10/15/2008 13:38	10/15/2008 18:31	36.13
CVS_O	Gold Rush	06/19/2008 11:24	06/19/2008 15:52	41.85
CVS_O	Gold Rush	06/19/2008 17:36	06/19/2008 23:14	25.90
CVS_O	Gold Rush	06/20/2008 08:05	06/20/2008 14:41	1.62
CVS_O	Gold Rush	06/20/2008 17:47	06/20/2008 19:34	0.22
CVS_O	Gold Rush	06/20/2008 22:21	06/21/2008 00:19	1.58

Appendix 1. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CVS_O	Gold Rush	06/21/2008 09:11	06/21/2008 13:46	21.68
CVS_O	Great Pacific	06/20/2008 11:03	06/20/2008 13:13	59.91
CVS_O	Great Pacific	06/20/2008 14:07	06/20/2008 19:55	25.66
CVS_O	Great Pacific	06/20/2008 20:49	06/21/2008 06:58	29.83
CVS_O	Great Pacific	06/21/2008 09:49	06/21/2008 15:39	61.64
CVS_O	Great Pacific	06/21/2008 19:28	06/21/2008 21:12	3.87
CVS_O	Gun-Mar	02/10/2008 23:50	02/11/2008 05:30	150.11
CVS_O	Gun-Mar	02/11/2008 07:00	02/11/2008 14:40	146.76
CVS_O	Gun-Mar	02/11/2008 16:40	02/11/2008 22:50	145.21
CVS_O	Gun-Mar	02/12/2008 00:10	02/12/2008 02:25	48.12
CVS_O	Gun-Mar	06/29/2008 05:45	06/29/2008 12:15	200.00
CVS_O	Gun-Mar	06/29/2008 13:45	06/29/2008 22:30	170.00
CVS_O	Gun-Mar	06/29/2008 23:45	06/30/2008 07:30	190.00
CVS_O	Gun-Mar	07/04/2008 04:00	07/04/2008 12:50	90.00
CVS_O	Gun-Mar	07/04/2008 18:45	07/05/2008 02:00	108.62
CVS_O	Gun-Mar	07/05/2008 03:00	07/05/2008 09:15	69.79
CVS_O	Gun-Mar	07/05/2008 11:30	07/05/2008 19:30	109.53
CVS_O	Gun-Mar	07/05/2008 21:00	07/06/2008 08:15	170.00
CVS_O	Gun-Mar	07/27/2008 08:40	07/27/2008 19:15	184.22
CVS_O	Gun-Mar	07/27/2008 20:30	07/28/2008 08:00	75.40
CVS_O	Gun-Mar	07/28/2008 14:38	07/28/2008 23:00	144.12
CVS_O	Gun-Mar	07/29/2008 00:20	07/29/2008 11:00	86.68
CVS_O	Gun-Mar	07/29/2008 14:20	07/29/2008 17:00	38.78
CVS_O	Gun-Mar	08/01/2008 17:00	08/02/2008 03:00	169.66
CP	Highland Light	01/23/2008 04:50	01/23/2008 11:15	45.09
CP	Highland Light	01/26/2008 13:25	01/26/2008 16:00	76.93
CP	Highland Light	02/05/2008 06:20	02/05/2008 12:10	13.86
CP	Highland Light	02/11/2008 21:55	02/11/2008 23:15	14.93
CP	Highland Light	02/12/2008 04:20	02/12/2008 08:15	31.45
CP	Highland Light	02/14/2008 13:05	02/14/2008 19:30	26.95
CP	Highland Light	02/21/2008 11:40	02/21/2008 16:05	59.43
CP	Highland Light	02/21/2008 17:15	02/21/2008 18:55	13.27
CP	Highland Light	02/23/2008 09:20	02/23/2008 12:00	85.79
CP	Highland Light	02/25/2008 09:25	02/25/2008 10:50	124.25
CP	Highland Light	03/05/2008 00:55	03/05/2008 02:00	102.79
CP	Highland Light	03/05/2008 02:50	03/05/2008 03:40	90.90
CP	Highland Light	07/15/2008 21:10	07/15/2008 23:10	8.85
CP	Highland Light	07/16/2008 12:10	07/16/2008 14:20	45.62
CP	Highland Light	07/18/2008 03:55	07/18/2008 09:05	70.56
CP	Highland Light	07/18/2008 22:40	07/19/2008 02:20	69.34
CP	Highland Light	07/28/2008 17:30	07/28/2008 19:30	13.01
CP	Highland Light	07/29/2008 13:00	07/29/2008 15:40	51.79
CP	Highland Light	07/29/2008 16:40	07/29/2008 17:25	82.33
CP	Highland Light	08/02/2008 09:10	08/02/2008 11:20	75.46
CP	Highland Light	08/02/2008 18:00	08/02/2008 23:55	52.22
CP	Highland Light	08/04/2008 04:30	08/04/2008 07:15	119.76
CP	Highland Light	08/13/2008 02:00	08/13/2008 05:30	32.75
CP	Highland Light	08/13/2008 14:30	08/13/2008 17:15	28.29
CP	Highland Light	08/16/2008 02:45	08/16/2008 03:45	8.48
CP	Highland Light	08/17/2008 04:15	08/17/2008 11:00	111.16

Appendix 1. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CP	Highland Light	08/19/2008 05:15	08/19/2008 08:50	57.99
CP	Highland Light	08/20/2008 07:35	08/20/2008 12:20	13.79
CP	Highland Light	08/21/2008 12:45	08/21/2008 18:55	34.54
CP	Highland Light	09/04/2008 17:15	09/05/2008 00:50	84.83
CP	Highland Light	09/17/2008 18:20	09/18/2008 00:30	122.74
CP	Highland Light	09/24/2008 07:10	09/24/2008 13:05	17.97
CP	Highland Light	09/26/2008 04:15	09/26/2008 09:35	13.13
CP	Highland Light	09/27/2008 05:15	09/27/2008 10:40	15.30
CP	Highland Light	09/28/2008 00:40	09/28/2008 09:55	74.66
CP	Highland Light	10/02/2008 15:50	10/02/2008 16:00	0.00
CP	Highland Light	10/02/2008 16:50	10/02/2008 22:50	69.03
CP	Highland Light	10/02/2008 23:30	10/03/2008 01:45	84.29
CP	Highland Light	10/05/2008 10:15	10/05/2008 17:50	20.29
CP	Island Enterprise	02/06/2008 21:35	02/07/2008 00:55	7.43
CP	Island Enterprise	02/07/2008 04:00	02/07/2008 08:20	80.60
CP	Island Enterprise	02/08/2008 18:00	02/08/2008 18:50	79.97
CP	Island Enterprise	02/10/2008 08:20	02/10/2008 10:45	107.65
CP	Island Enterprise	02/10/2008 13:25	02/10/2008 14:35	70.82
CP	Island Enterprise	02/21/2008 04:15	02/21/2008 08:30	64.45
CP	Island Enterprise	02/22/2008 14:40	02/22/2008 16:40	53.61
CP	Island Enterprise	02/23/2008 19:45	02/23/2008 20:10	3.91
CP	Island Enterprise	02/25/2008 06:10	02/25/2008 08:00	60.77
CP	Island Enterprise	03/01/2008 12:00	03/01/2008 14:40	22.72
CP	Island Enterprise	03/04/2008 15:00	03/04/2008 15:50	64.46
CP	Island Enterprise	03/05/2008 18:45	03/05/2008 21:00	100.38
CP	Island Enterprise	03/07/2008 19:20	03/07/2008 21:20	67.69
CP	Island Enterprise	03/08/2008 01:50	03/08/2008 02:15	72.74
CP	Island Enterprise	07/24/2008 21:00	07/25/2008 02:30	80.19
CP	Island Enterprise	08/08/2008 12:05	08/08/2008 13:35	12.59
CP	Island Enterprise	08/08/2008 18:20	08/08/2008 21:10	83.97
CP	Island Enterprise	08/09/2008 20:25	08/10/2008 00:20	80.83
CP	Island Enterprise	08/17/2008 18:15	08/17/2008 22:45	107.35
CP	Island Enterprise	08/17/2008 23:30	08/18/2008 09:00	33.85
CP	Island Enterprise	08/30/2008 00:20	08/30/2008 08:40	91.79
CP	Island Enterprise	09/05/2008 01:35	09/05/2008 04:30	115.93
CP	Island Enterprise	09/05/2008 05:05	09/05/2008 09:10	96.85
CP	Island Enterprise	09/21/2008 23:00	09/22/2008 03:40	92.79
CP	Island Enterprise	09/23/2008 04:15	09/23/2008 09:50	69.28
CP	Kodiak Enterprise	01/23/2008 01:15	01/23/2008 02:25	21.98
CP	Kodiak Enterprise	01/26/2008 18:10	01/26/2008 20:30	92.00
CP	Kodiak Enterprise	01/27/2008 02:50	01/27/2008 04:00	77.36
CP	Kodiak Enterprise	02/04/2008 05:00	02/04/2008 09:00	42.70
CP	Kodiak Enterprise	02/07/2008 12:00	02/07/2008 21:00	55.96
CP	Kodiak Enterprise	02/11/2008 03:55	02/11/2008 09:10	73.07
CP	Kodiak Enterprise	02/15/2008 20:30	02/16/2008 02:30	52.10
CP	Kodiak Enterprise	02/23/2008 03:45	02/23/2008 05:10	105.71
CP	Kodiak Enterprise	02/23/2008 21:35	02/23/2008 23:30	26.88
CP	Kodiak Enterprise	02/24/2008 17:00	02/24/2008 18:35	104.47
CP	Kodiak Enterprise	02/26/2008 02:45	02/26/2008 06:45	64.86
CP	Kodiak Enterprise	02/27/2008 13:00	02/27/2008 17:30	102.37

Appendix 1. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CP	Kodiak Enterprise	02/27/2008 21:45	02/27/2008 23:00	80.62
CP	Kodiak Enterprise	03/02/2008 20:45	03/03/2008 00:27	97.51
CP	Kodiak Enterprise	03/06/2008 11:55	03/06/2008 12:35	87.99
CP	Kodiak Enterprise	07/09/2008 05:00	07/09/2008 09:30	25.40
CP	Kodiak Enterprise	07/20/2008 01:00	07/20/2008 04:30	74.99
CP	Kodiak Enterprise	07/20/2008 11:25	07/20/2008 14:20	57.07
CP	Kodiak Enterprise	08/01/2008 11:00	08/01/2008 12:30	100.88
CP	Kodiak Enterprise	08/02/2008 18:20	08/02/2008 21:10	93.62
CP	Kodiak Enterprise	08/03/2008 04:15	08/03/2008 09:50	121.42
CP	Kodiak Enterprise	08/06/2008 10:00	08/06/2008 13:10	112.94
CP	Kodiak Enterprise	08/07/2008 09:40	08/07/2008 14:20	75.72
CP	Kodiak Enterprise	08/08/2008 09:00	08/08/2008 14:30	70.48
CP	Kodiak Enterprise	08/13/2008 21:45	08/14/2008 00:40	63.03
CP	Kodiak Enterprise	08/17/2008 17:30	08/17/2008 23:40	84.40
CP	Kodiak Enterprise	08/20/2008 18:30	08/20/2008 23:25	79.43
CP	Kodiak Enterprise	08/21/2008 21:45	08/22/2008 03:30	74.08
CP	Kodiak Enterprise	08/28/2008 07:30	08/28/2008 11:30	17.00
CP	Kodiak Enterprise	09/03/2008 09:45	09/03/2008 12:15	2.35
CP	Kodiak Enterprise	09/04/2008 01:30	09/04/2008 08:10	94.58
CP	Kodiak Enterprise	09/21/2008 18:30	09/22/2008 00:45	82.68
CP	Kodiak Enterprise	09/23/2008 02:00	09/23/2008 05:15	72.97
CVS_O	Marcy J	06/28/2008 12:20	06/28/2008 15:40	7.98
CVS_O	Marcy J	06/28/2008 17:50	06/28/2008 23:30	19.69
CVS_O	Marcy J	06/29/2008 12:00	06/29/2008 14:00	9.97
CVS_O	Marcy J	06/29/2008 16:00	06/29/2008 21:15	5.69
CVS_O	Marcy J	06/29/2008 22:00	06/29/2008 23:50	1.90
CVS_O	Marcy J	06/30/2008 17:30	06/30/2008 19:00	0.00
CVS_O	Marcy J	07/01/2008 09:30	07/01/2008 10:30	0.00
CVM	Margaret Lyn	07/04/2008 02:10	07/04/2008 11:55	47.48
CVM	Margaret Lyn	07/05/2008 22:45	07/06/2008 09:00	27.12
CVM	Margaret Lyn	07/19/2008 11:50	07/19/2008 19:30	46.45
CVM	Margaret Lyn	07/24/2008 17:06	07/24/2008 20:15	45.00
CVM	Margaret Lyn	08/17/2008 21:10	08/18/2008 07:40	49.43
CVM	Margaret Lyn	08/18/2008 08:45	08/18/2008 14:50	53.89
CVM	Margaret Lyn	09/04/2008 01:30	09/04/2008 05:10	49.49
CVM	Margaret Lyn	09/06/2008 15:00	09/07/2008 01:25	14.38
CVM	Margaret Lyn	09/13/2008 12:40	09/13/2008 16:35	8.52
CVM	Margaret Lyn	09/17/2008 03:00	09/17/2008 06:50	51.43
CVM	Margaret Lyn	10/03/2008 16:00	10/04/2008 05:25	40.70
CVM	Margaret Lyn	10/13/2008 11:30	10/13/2008 23:40	24.93
CVM	Margaret Lyn	10/14/2008 01:30	10/14/2008 12:45	26.46
CVM	Mar-Gun	01/28/2008 16:40	01/28/2008 21:20	54.05
CVM	Mar-Gun	02/03/2008 00:25	02/03/2008 10:10	34.69
CVM	Mar-Gun	02/04/2008 21:50	02/05/2008 01:15	51.67
CVM	Mar-Gun	02/10/2008 00:05	02/10/2008 01:25	52.38
CVM	Mar-Gun	02/10/2008 19:00	02/11/2008 06:00	49.21
CVM	Mar-Gun	02/12/2008 08:15	02/12/2008 18:40	44.17
CVM	Mar-Gun	02/17/2008 15:45	02/17/2008 16:01	54.47
CVM	Mar-Gun	02/18/2008 19:20	02/18/2008 23:15	36.42
CVM	Mar-Gun	05/18/2008 13:10	05/18/2008 18:20	0.00

Appendix 1. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CVM	Mar-Gun	05/19/2008 07:20	05/19/2008 13:20	0.00
CVM	Mar-Gun	05/25/2008 18:25	05/25/2008 22:00	0.00
CVM	Mar-Gun	05/31/2008 12:15	05/31/2008 21:00	0.00
CVM	Mar-Gun	07/02/2008 06:30	07/02/2008 09:00	48.21
CVM	Mar-Gun	07/07/2008 16:20	07/07/2008 19:40	51.88
CVM	Mar-Gun	07/17/2008 15:05	07/17/2008 20:05	51.29
CVM	Mar-Gun	07/20/2008 19:55	07/20/2008 22:25	58.00
CVM	Mar-Gun	08/02/2008 23:00	08/03/2008 07:30	42.93
CVM	Mar-Gun	08/05/2008 09:15	08/05/2008 15:35	55.64
CVM	Mar-Gun	08/11/2008 23:20	08/12/2008 10:40	39.82
CVM	Mark I	01/27/2008 05:55	01/27/2008 12:38	41.77
CVM	Mark I	01/27/2008 14:30	01/27/2008 20:55	49.55
CVM	Mark I	02/07/2008 20:00	02/08/2008 01:05	51.47
CVM	Mark I	02/11/2008 18:25	02/11/2008 23:15	53.19
CVM	Mark I	05/19/2008 19:25	05/19/2008 21:15	0.00
CVM	Mark I	05/27/2008 11:15	05/27/2008 17:30	0.00
CVM	Mark I	06/02/2008 06:30	06/02/2008 09:45	0.00
CVM	Mark I	06/02/2008 14:10	06/02/2008 21:00	0.00
CVM	Mark I	06/03/2008 10:25	06/03/2008 11:55	0.00
CVM	Mark I	06/08/2008 06:40	06/08/2008 10:10	0.00
CVM	Mark I	06/11/2008 16:20	06/11/2008 21:30	0.00
CVM	Mark I	06/14/2008 18:05	06/14/2008 22:00	0.00
CVM	Mark I	07/21/2008 09:35	07/21/2008 11:00	0.00
CVM	Miss Berdie	05/15/2008 15:30	05/15/2008 16:00	0.00
CVM	Miss Berdie	05/28/2008 15:30	05/28/2008 18:30	0.00
CVM	Miss Berdie	05/29/2008 06:10	05/29/2008 06:50	0.00
CVM	Miss Berdie	06/08/2008 07:18	06/08/2008 14:30	0.00
CVM	Miss Berdie	06/13/2008 13:30	06/13/2008 15:00	0.00
CVM	Miss Berdie	06/13/2008 20:35	06/13/2008 22:00	0.00
CVM	Misty Dawn	02/07/2008 12:20	02/07/2008 15:30	33.30
CVM	Misty Dawn	02/09/2008 14:00	02/09/2008 17:40	36.33
CVM	Misty Dawn	02/11/2008 04:33	02/11/2008 16:30	45.65
CVM	Misty Dawn	02/11/2008 22:00	02/12/2008 07:20	42.54
CVM	Misty Dawn	02/21/2008 02:05	02/21/2008 03:45	42.14
CVM	Misty Dawn	02/22/2008 00:05	02/22/2008 00:40	47.53
CVM	Misty Dawn	02/27/2008 06:10	02/27/2008 11:10	49.42
CVM	Misty Dawn	03/02/2008 09:15	03/02/2008 11:05	56.54
CVM	Misty Dawn	07/16/2008 11:30	07/16/2008 15:55	49.90
CVM	Misty Dawn	08/02/2008 19:20	08/02/2008 21:05	36.57
CVM	Misty Dawn	08/04/2008 01:25	08/04/2008 08:55	22.08
CVM	Misty Dawn	08/05/2008 09:30	08/05/2008 17:35	52.14
CVM	Misty Dawn	08/09/2008 07:15	08/09/2008 17:00	9.94
CVM	Misty Dawn	08/17/2008 08:50	08/17/2008 13:35	52.88
CVM	Misty Dawn	09/05/2008 06:35	09/05/2008 18:30	36.02
CVM	Misty Dawn	09/20/2008 03:05	09/20/2008 05:20	49.68
CVM	Misty Dawn	10/02/2008 05:25	10/02/2008 16:25	22.22
CVM	Misty Dawn	10/03/2008 08:10	10/03/2008 14:15	41.47
CVM	Misty Dawn	10/16/2008 20:20	10/17/2008 06:15	41.73
CVM	Misty Dawn	11/02/2008 15:45	11/02/2008 18:00	0.00
CVM	Nordic Fury	02/19/2008 00:40	02/19/2008 05:40	35.66

Appendix 1. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CVM	Nordic Fury	02/22/2008 11:45	02/22/2008 12:00	54.44
CVM	Nordic Fury	05/26/2008 16:25	05/26/2008 20:30	0.00
CVM	Nordic Fury	05/27/2008 14:00	05/27/2008 17:00	0.00
CVM	Nordic Fury	05/29/2008 06:15	05/29/2008 09:15	0.00
CVM	Nordic Fury	05/29/2008 11:30	05/29/2008 15:45	0.00
CVM	Nordic Fury	05/31/2008 06:40	05/31/2008 08:10	0.00
CVM	Nordic Fury	06/07/2008 06:35	06/07/2008 12:35	0.00
CVM	Nordic Fury	06/08/2008 07:10	06/08/2008 12:40	0.00
CVM	Nordic Fury	06/11/2008 06:50	06/11/2008 12:45	0.00
CVM	Nordic Fury	06/12/2008 17:45	06/12/2008 22:00	0.00
CVM	Nordic Fury	06/13/2008 08:50	06/13/2008 09:40	0.00
CVM	Nordic Fury	10/12/2008 02:00	10/12/2008 14:50	29.80
CP	Northern Eagle	01/22/2008 02:35	01/22/2008 04:45	17.44
CP	Northern Eagle	01/23/2008 09:55	01/23/2008 14:55	21.98
CP	Northern Eagle	01/24/2008 15:55	01/24/2008 21:55	113.86
CP	Northern Eagle	01/27/2008 20:45	01/27/2008 23:00	124.36
CP	Northern Eagle	01/31/2008 20:20	01/31/2008 23:00	97.41
CP	Northern Eagle	02/02/2008 16:40	02/02/2008 20:40	59.79
CP	Northern Eagle	02/15/2008 22:10	02/16/2008 06:05	46.15
CP	Northern Eagle	02/23/2008 19:35	02/24/2008 00:20	27.44
CP	Northern Eagle	02/28/2008 06:30	02/28/2008 07:00	91.32
CP	Northern Eagle	02/28/2008 12:35	02/28/2008 15:15	1.76
CP	Northern Eagle	02/29/2008 18:55	02/29/2008 23:55	63.73
CP	Northern Eagle	03/01/2008 23:55	03/02/2008 04:00	113.29
CP	Northern Eagle	03/04/2008 14:15	03/04/2008 16:20	123.29
CP	Northern Eagle	03/04/2008 21:45	03/04/2008 23:20	136.78
CP	Northern Eagle	03/05/2008 00:40	03/05/2008 02:00	88.00
CP	Northern Eagle	06/30/2008 22:40	07/01/2008 04:25	130.98
CP	Northern Eagle	07/07/2008 03:20	07/07/2008 04:20	95.07
CP	Northern Eagle	07/17/2008 23:35	07/18/2008 03:40	141.73
CP	Northern Eagle	07/18/2008 11:30	07/18/2008 14:00	3.94
CP	Northern Eagle	07/18/2008 15:25	07/18/2008 22:35	138.81
CP	Northern Eagle	07/20/2008 19:45	07/21/2008 02:30	62.72
CP	Northern Eagle	07/22/2008 22:30	07/23/2008 01:00	18.74
CP	Northern Eagle	07/24/2008 12:35	07/24/2008 19:10	66.18
CP	Northern Eagle	07/28/2008 05:15	07/28/2008 12:15	26.11
CP	Northern Eagle	07/29/2008 00:40	07/29/2008 08:50	60.59
CP	Northern Eagle	08/07/2008 21:20	08/08/2008 03:45	102.84
CP	Northern Eagle	08/08/2008 04:30	08/08/2008 10:00	103.59
CP	Northern Eagle	08/09/2008 07:00	08/09/2008 14:40	57.65
CP	Northern Eagle	08/16/2008 06:15	08/16/2008 10:40	55.34
CP	Northern Eagle	08/24/2008 21:20	08/25/2008 08:25	84.63
CP	Northern Eagle	08/31/2008 07:40	08/31/2008 14:40	97.40
CP	Northern Eagle	08/31/2008 15:30	08/31/2008 19:30	58.00
CP	Northern Eagle	09/03/2008 23:00	09/04/2008 09:00	49.64
CP	Northern Eagle	09/06/2008 04:20	09/06/2008 09:20	53.40
CP	Northern Eagle	09/07/2008 13:30	09/07/2008 14:54	26.50
CP	Northern Eagle	09/08/2008 01:35	09/08/2008 09:15	103.72
CP	Northern Eagle	09/08/2008 10:00	09/08/2008 14:15	30.60
CP	Northern Eagle	09/14/2008 16:15	09/14/2008 20:35	100.57

Appendix 1. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CP	Northern Eagle	09/15/2008 11:20	09/15/2008 15:45	83.96
CP	Northern Eagle	09/18/2008 04:50	09/18/2008 06:10	0.00
CP	Northern Eagle	09/25/2008 22:45	09/26/2008 09:30	99.11
CP	Northern Eagle	09/30/2008 14:40	10/01/2008 00:25	38.33
CP	Northern Eagle	10/03/2008 06:30	10/03/2008 11:10	97.81
CP	Northern Eagle	10/03/2008 09:30	10/04/2008 09:30	65.77
CP	Northern Eagle	10/04/2008 17:20	10/05/2008 02:15	106.30
CP	Northern Eagle	10/05/2008 23:20	10/06/2008 03:35	128.55
CP	Northern Eagle	10/06/2008 04:30	10/06/2008 11:00	97.31
CP	Northern Eagle	10/11/2008 02:50	10/11/2008 10:30	114.90
CP	Northern Eagle	10/16/2008 02:30	10/16/2008 07:30	70.90
CP	Northern Eagle	10/17/2008 04:20	10/17/2008 11:00	75.74
CP	Northern Eagle	10/22/2008 08:35	10/22/2008 14:15	54.54
CP	Northern Glacier	01/20/2008 12:15	01/20/2008 12:55	51.33
CP	Northern Glacier	01/20/2008 14:15	01/20/2008 15:05	45.29
CP	Northern Glacier	01/24/2008 22:35	01/25/2008 04:00	52.90
CP	Northern Glacier	01/26/2008 00:05	01/26/2008 02:40	64.23
CP	Northern Glacier	01/29/2008 04:35	01/29/2008 09:25	42.39
CP	Northern Glacier	02/06/2008 05:20	02/06/2008 09:45	8.01
CP	Northern Glacier	02/06/2008 13:25	02/06/2008 17:00	11.30
CP	Northern Glacier	02/07/2008 00:40	02/07/2008 04:50	39.59
CP	Northern Glacier	02/13/2008 21:10	02/13/2008 23:10	20.86
CP	Northern Glacier	02/18/2008 02:45	02/18/2008 03:30	58.09
CP	Northern Glacier	02/19/2008 12:30	02/19/2008 14:30	63.48
CP	Northern Glacier	02/24/2008 06:30	02/24/2008 09:10	10.63
CP	Northern Glacier	03/01/2008 17:15	03/01/2008 19:10	46.10
CP	Northern Glacier	03/04/2008 02:15	03/04/2008 02:35	52.50
CP	Northern Glacier	03/09/2008 09:30	03/09/2008 10:05	82.23
CP	Northern Glacier	03/13/2008 09:25	03/13/2008 13:50	48.92
CP	Northern Glacier	03/16/2008 00:15	03/16/2008 01:45	49.37
CP	Northern Glacier	03/18/2008 05:20	03/18/2008 07:50	50.83
CP	Northern Glacier	03/18/2008 21:45	03/18/2008 22:00	30.05
CP	Northern Glacier	03/22/2008 06:25	03/22/2008 07:30	33.33
CP	Northern Glacier	06/13/2008 01:45	06/13/2008 03:50	39.48
CP	Northern Glacier	06/15/2008 13:15	06/15/2008 13:30	46.19
CP	Northern Glacier	06/16/2008 00:30	06/16/2008 03:00	47.24
CP	Northern Glacier	06/16/2008 17:10	06/16/2008 18:45	35.52
CP	Northern Glacier	06/17/2008 03:15	06/17/2008 04:20	49.63
CP	Northern Glacier	06/19/2008 07:30	06/19/2008 10:40	56.15
CP	Northern Glacier	06/21/2008 04:30	06/21/2008 08:40	49.33
CP	Northern Glacier	07/03/2008 09:20	07/03/2008 13:00	21.93
CP	Northern Glacier	07/04/2008 06:00	07/04/2008 10:55	46.99
CP	Northern Glacier	07/05/2008 07:55	07/05/2008 10:10	59.86
CP	Northern Glacier	07/06/2008 05:10	07/06/2008 07:45	30.52
CP	Northern Glacier	07/10/2008 05:30	07/10/2008 10:30	41.21
CP	Northern Glacier	07/10/2008 11:05	07/10/2008 15:15	6.45
CP	Northern Glacier	07/12/2008 12:55	07/12/2008 14:41	34.90
CP	Northern Glacier	07/19/2008 13:00	07/19/2008 16:35	20.56
CP	Northern Glacier	07/19/2008 21:50	07/20/2008 01:50	64.76
CP	Northern Glacier	07/26/2008 12:30	07/26/2008 14:55	74.34

Appendix 1. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CP	Northern Glacier	07/26/2008 19:05	07/26/2008 22:30	83.83
CP	Northern Glacier	07/28/2008 00:40	07/28/2008 04:20	62.51
CP	Northern Glacier	07/28/2008 06:20	07/28/2008 08:00	58.78
CP	Northern Glacier	07/29/2008 22:00	07/29/2008 23:20	56.77
CP	Northern Glacier	07/30/2008 04:25	07/30/2008 07:00	21.33
CP	Northern Glacier	07/30/2008 21:00	07/31/2008 00:10	60.13
CP	Northern Glacier	07/31/2008 19:00	07/31/2008 22:00	79.18
CP	Northern Glacier	08/05/2008 11:15	08/05/2008 13:00	14.88
CP	Northern Glacier	08/12/2008 09:00	08/12/2008 10:45	36.60
CP	Northern Glacier	08/17/2008 18:30	08/17/2008 20:30	19.73
CP	Northern Glacier	08/19/2008 16:55	08/20/2008 01:10	49.11
CP	Northern Glacier	08/20/2008 15:30	08/20/2008 19:10	49.10
CP	Northern Glacier	08/27/2008 11:55	08/27/2008 14:05	34.00
CP	Northern Glacier	09/02/2008 14:40	09/02/2008 15:40	0.00
CP	Northern Glacier	09/07/2008 03:20	09/07/2008 07:25	77.87
CP	Northern Glacier	09/10/2008 01:40	09/10/2008 03:00	22.09
CP	Northern Glacier	09/10/2008 06:25	09/10/2008 14:00	23.93
CP	Northern Glacier	09/14/2008 11:00	09/14/2008 14:50	11.90
CP	Northern Glacier	09/21/2008 11:00	09/21/2008 19:25	66.67
CP	Northern Glacier	09/22/2008 01:15	09/22/2008 05:07	80.97
CP	Northern Glacier	09/24/2008 00:45	09/24/2008 06:30	50.35
CP	Northern Glacier	09/24/2008 21:00	09/25/2008 02:00	52.35
CP	Northern Glacier	09/25/2008 10:00	09/25/2008 18:15	35.63
CP	Northern Glacier	10/05/2008 09:40	10/05/2008 12:40	0.64
CP	Northern Glacier	10/06/2008 07:50	10/06/2008 08:40	1.59
CP	Northern Glacier	10/06/2008 18:40	10/06/2008 22:15	23.02
CP	Northern Glacier	10/07/2008 02:10	10/07/2008 08:40	34.30
CP	Northern Glacier	10/18/2008 03:25	10/18/2008 04:50	1.74
CP	Northern Glacier	10/24/2008 07:17	10/24/2008 13:30	31.69
CP	Northern Glacier	10/25/2008 23:45	10/26/2008 05:50	43.97
CP	Northern Glacier	10/27/2008 14:05	10/27/2008 20:45	1.93
CP	Northern Glacier	10/31/2008 05:25	10/31/2008 13:00	46.83
CP	Northern Glacier	10/31/2008 22:00	11/01/2008 04:00	40.65
CP	Northern Hawk	01/21/2008 20:40	01/22/2008 01:45	68.95
CP	Northern Hawk	01/28/2008 02:35	01/28/2008 08:35	81.91
CP	Northern Hawk	01/28/2008 21:00	01/29/2008 02:30	109.94
CP	Northern Hawk	01/31/2008 16:35	01/31/2008 17:45	112.18
CP	Northern Hawk	02/02/2008 19:00	02/02/2008 21:20	20.28
CP	Northern Hawk	02/06/2008 17:30	02/07/2008 00:45	64.57
CP	Northern Hawk	02/09/2008 01:35	02/09/2008 04:55	44.01
CP	Northern Hawk	02/15/2008 05:15	02/15/2008 06:30	80.48
CP	Northern Hawk	02/16/2008 14:10	02/16/2008 17:25	132.87
CP	Northern Hawk	02/22/2008 09:15	02/22/2008 14:30	71.81
CP	Northern Hawk	02/25/2008 01:25	02/25/2008 09:15	86.17
CP	Northern Hawk	03/11/2008 08:20	03/11/2008 15:35	93.12
CP	Northern Hawk	03/11/2008 16:50	03/12/2008 01:30	49.47
CP	Northern Hawk	06/29/2008 11:55	06/29/2008 18:05	94.12
CP	Northern Hawk	06/29/2008 20:20	06/29/2008 22:35	116.75
CP	Northern Hawk	07/03/2008 07:10	07/03/2008 10:20	82.78
CP	Northern Hawk	07/05/2008 14:05	07/05/2008 18:30	70.46

Appendix 1. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CP	Northern Hawk	07/06/2008 02:45	07/06/2008 07:30	75.37
CP	Northern Hawk	07/12/2008 02:25	07/12/2008 06:35	124.00
CP	Northern Hawk	07/17/2008 04:10	07/17/2008 07:35	108.64
CP	Northern Hawk	07/17/2008 15:25	07/17/2008 19:10	151.37
CP	Northern Hawk	07/18/2008 03:30	07/18/2008 08:35	83.41
CP	Northern Hawk	07/18/2008 21:40	07/19/2008 01:10	83.46
CP	Northern Hawk	07/19/2008 02:40	07/19/2008 08:00	105.08
CP	Northern Hawk	07/19/2008 08:30	07/19/2008 14:05	62.69
CP	Northern Hawk	07/24/2008 01:20	07/24/2008 08:05	73.02
CP	Northern Hawk	07/28/2008 00:25	07/28/2008 04:55	103.49
CP	Northern Hawk	08/08/2008 05:30	08/08/2008 10:05	94.49
CP	Northern Hawk	08/14/2008 08:55	08/14/2008 14:20	56.09
CP	Northern Hawk	08/17/2008 17:55	08/17/2008 20:25	100.47
CP	Northern Hawk	08/17/2008 21:10	08/18/2008 02:15	28.26
CP	Northern Hawk	08/24/2008 02:40	08/24/2008 04:50	23.74
CP	Northern Hawk	08/28/2008 10:20	08/28/2008 15:40	31.47
CP	Northern Hawk	09/04/2008 17:40	09/05/2008 02:40	123.00
CP	Northern Hawk	09/06/2008 09:25	09/06/2008 17:05	68.70
CP	Northern Hawk	09/08/2008 04:55	09/08/2008 11:45	66.83
CP	Northern Hawk	09/14/2008 04:20	09/14/2008 10:25	68.61
CP	Northern Hawk	09/16/2008 12:25	09/16/2008 21:40	111.97
CP	Northern Hawk	09/17/2008 13:35	09/17/2008 16:40	125.29
CP	Northern Hawk	09/30/2008 21:10	10/01/2008 03:20	92.41
CP	Northern Hawk	10/01/2008 12:05	10/01/2008 17:05	0.00
CP	Northern Hawk	10/04/2008 01:55	10/04/2008 05:10	115.39
CP	Northern Jaeger	01/23/2008 13:25	01/23/2008 18:45	34.17
CP	Northern Jaeger	01/29/2008 20:07	01/29/2008 22:55	121.37
CP	Northern Jaeger	01/30/2008 05:40	01/30/2008 11:45	130.08
CP	Northern Jaeger	02/18/2008 02:05	02/18/2008 06:15	111.96
CP	Northern Jaeger	02/19/2008 03:10	02/19/2008 10:30	40.81
CP	Northern Jaeger	02/21/2008 21:10	02/22/2008 03:20	87.79
CP	Northern Jaeger	02/22/2008 04:05	02/22/2008 09:30	116.66
CP	Northern Jaeger	02/26/2008 12:20	02/26/2008 16:55	121.67
CP	Northern Jaeger	06/28/2008 03:44	06/28/2008 09:00	108.29
CP	Northern Jaeger	06/29/2008 06:44	06/29/2008 11:30	82.18
CP	Northern Jaeger	07/03/2008 17:18	07/03/2008 23:45	99.27
CP	Northern Jaeger	07/07/2008 19:07	07/07/2008 20:50	70.51
CP	Northern Jaeger	07/07/2008 21:49	07/08/2008 03:30	91.89
CP	Northern Jaeger	07/17/2008 00:33	07/17/2008 05:35	86.77
CP	Northern Jaeger	07/22/2008 13:18	07/22/2008 17:15	76.14
CP	Northern Jaeger	07/22/2008 18:05	07/23/2008 02:30	104.44
CP	Northern Jaeger	07/26/2008 16:30	07/26/2008 20:47	87.88
CP	Northern Jaeger	07/27/2008 23:50	07/28/2008 08:43	94.24
CP	Northern Jaeger	07/29/2008 01:10	07/29/2008 07:57	74.49
CP	Northern Jaeger	08/04/2008 12:38	08/04/2008 16:18	109.04
CP	Northern Jaeger	08/05/2008 03:38	08/05/2008 06:35	82.93
CP	Northern Jaeger	08/06/2008 06:07	08/06/2008 11:50	78.09
CP	Northern Jaeger	08/07/2008 06:50	08/07/2008 12:10	90.23
CP	Northern Jaeger	08/11/2008 13:25	08/11/2008 16:42	56.12
CP	Northern Jaeger	08/17/2008 23:20	08/18/2008 07:10	69.06

Appendix 1. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CP	Northern Jaeger	08/19/2008 11:07	08/19/2008 14:15	120.92
CP	Northern Jaeger	08/20/2008 16:09	08/20/2008 17:28	1.23
CP	Northern Jaeger	09/07/2008 18:03	09/07/2008 19:30	21.47
CP	Northern Jaeger	09/15/2008 17:10	09/15/2008 23:10	41.52
CP	Northern Jaeger	09/16/2008 04:25	09/16/2008 10:05	69.38
CP	Northern Jaeger	09/17/2008 19:47	09/17/2008 19:50	0.83
CP	Northern Jaeger	09/18/2008 23:10	09/19/2008 03:00	107.99
CP	Northern Jaeger	09/19/2008 14:38	09/19/2008 18:30	98.65
CP	Northern Jaeger	09/21/2008 05:30	09/21/2008 09:50	73.35
CP	Northern Jaeger	09/22/2008 21:50	09/23/2008 01:25	34.75
CP	Northern Jaeger	09/24/2008 03:15	09/24/2008 07:30	73.97
CP	Northern Jaeger	09/24/2008 20:15	09/25/2008 00:20	96.94
CP	Northern Jaeger	09/25/2008 10:20	09/25/2008 18:30	53.77
CP	Northern Jaeger	:	03/06/2008 01:30	117.34
CVS_O	Northern Patriot	02/19/2008 08:25	02/19/2008 15:42	76.51
CVS_O	Northern Patriot	02/19/2008 16:56	02/19/2008 21:19	75.76
CVS_O	Northern Patriot	02/22/2008 09:45	02/22/2008 14:00	55.16
CVS_O	Northern Patriot	02/22/2008 16:37	02/22/2008 23:07	54.69
CVS_O	Northern Patriot	07/31/2008 20:30	08/01/2008 10:27	73.62
CVS_O	Northern Patriot	08/01/2008 11:35	08/01/2008 22:06	35.24
CVS_O	Northern Patriot	08/01/2008 23:35	08/02/2008 08:43	56.67
CVS_O	Ocean Explorer	07/22/2008 16:00	07/22/2008 20:15	89.55
CVS_O	Ocean Explorer	07/23/2008 00:10	07/23/2008 10:10	79.51
CVS_O	Ocean Explorer	07/23/2008 13:30	07/23/2008 15:30	19.90
CVS_O	Ocean Explorer	07/23/2008 17:40	07/23/2008 18:30	74.62
CVS_O	Ocean Explorer	07/23/2008 19:40	07/23/2008 21:40	29.85
CVS_O	Ocean Explorer	09/01/2008 13:00	09/01/2008 22:00	27.46
CVS_O	Ocean Explorer	09/01/2008 23:15	09/02/2008 10:15	50.13
CVS_O	Ocean Explorer	09/02/2008 11:45	09/02/2008 20:30	41.95
CVS_O	Ocean Explorer	09/02/2008 22:00	09/03/2008 09:00	19.51
CVS_O	Ocean Explorer	09/03/2008 10:15	09/03/2008 20:15	20.46
CVS_O	Ocean Explorer	09/04/2008 13:00	09/04/2008 14:00	4.73
CVS_O	Ocean Explorer	09/04/2008 17:30	09/05/2008 08:00	130.15
CVS_O	Ocean Explorer	09/05/2008 09:45	09/05/2008 21:30	81.03
CVS_O	Ocean Explorer	09/05/2008 22:45	09/06/2008 08:45	63.83
CVS_O	Ocean Explorer	09/07/2008 12:00	09/07/2008 21:00	0.64
CVS_O	Ocean Explorer	09/08/2008 09:45	09/08/2008 19:45	2.17
CVS_O	Ocean Explorer	09/08/2008 22:30	09/09/2008 07:45	1.55
CVS_O	Ocean Explorer	09/09/2008 10:30	09/09/2008 22:00	1.51
CVS_O	Ocean Explorer	09/11/2008 04:00	09/11/2008 08:50	11.59
CVS_O	Ocean Explorer	09/11/2008 12:00	09/11/2008 14:15	1.06
CVS_O	Ocean Explorer	09/11/2008 17:30	09/12/2008 08:15	56.51
CVS_O	Ocean Explorer	09/17/2008 00:00	09/17/2008 09:30	23.34
CVS_O	Ocean Explorer	09/17/2008 11:00	09/17/2008 19:45	22.99
CVS_O	Ocean Explorer	09/17/2008 22:15	09/18/2008 08:45	38.41
CVS_O	Ocean Explorer	09/19/2008 00:00	09/19/2008 10:45	15.48
CVS_O	Ocean Hope 3	06/22/2008 11:20	06/22/2008 12:45	5.20
CVS_O	Ocean Hope 3	06/22/2008 14:30	06/22/2008 20:35	5.19
CVM	Oceanic	01/27/2008 04:15	01/27/2008 08:00	47.94
CVM	Oceanic	01/30/2008 08:36	01/30/2008 15:50	52.78

Appendix 1. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CVM	Oceanic	02/07/2008 01:26	02/07/2008 10:48	47.94
CVM	Oceanic	02/07/2008 19:38	02/07/2008 22:50	51.17
CVM	Oceanic	02/16/2008 16:40	02/16/2008 18:48	19.04
CVM	Oceanic	02/18/2008 21:11	02/18/2008 22:38	47.00
CVM	Oceanic	02/24/2008 14:05	02/24/2008 14:26	52.71
CVM	Oceanic	07/07/2008 02:23	07/07/2008 04:40	47.04
CVM	Oceanic	07/07/2008 12:18	07/07/2008 14:43	54.43
CVM	Oceanic	07/22/2008 06:30	07/22/2008 18:30	51.98
CVM	Oceanic	07/23/2008 22:30	07/24/2008 05:00	29.45
CVM	Oceanic	08/01/2008 11:40	08/01/2008 14:30	47.34
CVM	Oceanic	08/02/2008 16:05	08/02/2008 17:25	53.95
CVM	Oceanic	08/03/2008 13:10	08/03/2008 16:05	33.01
CVM	Oceanic	08/09/2008 10:00	08/09/2008 19:55	18.30
CVM	Oceanic	08/17/2008 09:40	08/17/2008 15:09	44.51
CVM	Oceanic	08/21/2008 02:50	08/21/2008 12:50	50.23
CVM	Ocean Leader	01/20/2008 16:30	01/20/2008 17:55	65.68
CVM	Ocean Leader	01/23/2008 15:50	01/23/2008 22:20	63.86
CVM	Ocean Leader	01/26/2008 00:50	01/26/2008 07:47	69.61
CVM	Ocean Leader	01/26/2008 13:00	01/26/2008 22:55	59.04
CVM	Ocean Leader	02/10/2008 14:35	02/10/2008 15:45	71.44
CVM	Ocean Leader	02/11/2008 16:40	02/11/2008 20:10	64.23
CVM	Ocean Leader	03/03/2008 04:02	03/03/2008 06:05	70.49
CVM	Ocean Leader	03/05/2008 09:40	03/05/2008 11:35	74.27
CVM	Ocean Leader	03/07/2008 07:44	03/07/2008 09:10	69.50
CVM	Ocean Leader	07/05/2008 10:35	07/05/2008 16:50	47.62
CVM	Ocean Leader	07/28/2008 18:18	07/28/2008 19:30	75.05
CVM	Ocean Leader	07/31/2008 18:45	08/01/2008 06:00	64.29
CVM	Ocean Leader	08/03/2008 20:55	08/04/2008 10:30	58.10
CVM	Ocean Leader	08/21/2008 19:16	08/21/2008 22:37	4.44
CVM	Ocean Leader	09/10/2008 00:05	09/10/2008 12:01	43.25
CVM	Ocean Leader	09/10/2008 23:36	09/11/2008 04:58	23.75
CVM	Ocean Leader	09/30/2008 07:00	09/30/2008 18:35	12.86
CVM	Ocean Leader	10/01/2008 18:40	10/02/2008 11:15	30.84
CVM	Ocean Leader	10/05/2008 15:25	10/06/2008 04:05	58.48
CVM	Ocean Leader	10/18/2008 11:35	10/18/2008 22:15	65.53
CP	Ocean Peace	06/16/2008 13:58	06/16/2008 15:10	5.04
CP	Ocean Peace	06/16/2008 17:35	06/16/2008 18:48	3.38
CP	Ocean Rover	01/25/2008 15:35	01/25/2008 21:50	129.51
CP	Ocean Rover	01/27/2008 07:35	01/27/2008 11:30	106.66
CP	Ocean Rover	01/29/2008 00:05	01/29/2008 01:10	77.50
CP	Ocean Rover	02/05/2008 08:40	02/05/2008 15:00	53.87
CP	Ocean Rover	02/09/2008 19:00	02/09/2008 20:55	69.15
CP	Ocean Rover	02/14/2008 21:45	02/15/2008 02:00	121.72
CP	Ocean Rover	02/15/2008 10:00	02/15/2008 14:50	63.56
CP	Ocean Rover	02/15/2008 15:35	02/15/2008 20:35	78.63
CP	Ocean Rover	02/19/2008 01:45	02/19/2008 13:15	60.15
CP	Ocean Rover	02/24/2008 05:15	02/24/2008 08:10	109.54
CP	Ocean Rover	02/25/2008 06:25	02/25/2008 09:10	155.21
CP	Ocean Rover	02/25/2008 11:20	02/25/2008 16:55	110.19
CP	Ocean Rover	02/27/2008 14:00	02/27/2008 16:30	123.70

Appendix 1. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CP	Ocean Rover	02/29/2008 09:50	02/29/2008 12:35	98.14
CP	Ocean Rover	03/10/2008 10:50	03/10/2008 12:00	33.12
CP	Ocean Rover	03/12/2008 16:50	03/13/2008 02:30	49.35
CP	Ocean Rover	03/14/2008 09:15	03/14/2008 18:50	72.27
CP	Ocean Rover	03/16/2008 14:25	03/16/2008 15:20	118.49
CP	Ocean Rover	03/18/2008 06:50	03/18/2008 09:35	90.20
CP	Ocean Rover	06/27/2008 03:15	06/27/2008 07:35	106.95
CP	Ocean Rover	06/30/2008 09:55	06/30/2008 13:00	107.52
CP	Ocean Rover	07/03/2008 10:05	07/03/2008 13:10	29.18
CP	Ocean Rover	07/04/2008 15:25	07/04/2008 21:15	90.04
CP	Ocean Rover	07/13/2008 14:30	07/13/2008 18:25	96.91
CP	Ocean Rover	07/13/2008 19:05	07/14/2008 01:00	88.42
CP	Ocean Rover	07/14/2008 18:05	07/14/2008 22:45	105.31
CP	Ocean Rover	07/14/2008 23:30	07/15/2008 06:55	75.64
CP	Ocean Rover	07/18/2008 04:10	07/18/2008 12:00	45.25
CP	Ocean Rover	07/21/2008 03:55	07/21/2008 08:55	98.84
CP	Ocean Rover	07/21/2008 21:45	07/22/2008 04:20	100.20
CP	Ocean Rover	07/26/2008 15:55	07/26/2008 21:35	103.52
CP	Ocean Rover	07/30/2008 10:30	07/30/2008 11:45	82.62
CP	Ocean Rover	08/01/2008 04:15	08/01/2008 09:15	133.96
CP	Ocean Rover	08/01/2008 16:45	08/01/2008 20:45	103.50
CP	Ocean Rover	08/05/2008 01:00	08/05/2008 06:40	92.95
CP	Ocean Rover	08/12/2008 21:00	08/13/2008 03:20	96.60
CP	Ocean Rover	08/14/2008 01:25	08/14/2008 08:45	66.37
CP	Ocean Rover	08/15/2008 09:10	08/15/2008 14:50	110.55
CP	Ocean Rover	08/15/2008 20:00	08/16/2008 02:00	96.26
CP	Ocean Rover	08/26/2008 21:40	08/27/2008 04:40	39.07
CP	Ocean Rover	08/29/2008 18:50	08/30/2008 04:40	106.72
CP	Ocean Rover	08/30/2008 18:15	08/31/2008 03:35	125.73
CP	Ocean Rover	09/01/2008 14:20	09/01/2008 22:55	80.36
CP	Ocean Rover	09/03/2008 14:15	09/03/2008 20:05	82.92
CP	Ocean Rover	09/05/2008 18:05	09/05/2008 23:50	24.34
CP	Ocean Rover	09/06/2008 10:45	09/06/2008 17:25	21.37
CP	Ocean Rover	09/08/2008 19:25	09/09/2008 06:10	64.71
CP	Ocean Rover	09/18/2008 03:30	09/18/2008 04:45	101.98
CP	Ocean Rover	09/21/2008 10:20	09/21/2008 18:10	56.60
CP	Ocean Rover	09/22/2008 19:40	09/23/2008 01:55	114.42
CP	Ocean Rover	09/25/2008 06:10	09/25/2008 13:00	79.24
CVM	Pacific Challenger	02/11/2008 18:00	02/11/2008 21:19	72.74
CVM	Pacific Challenger	02/21/2008 18:00	02/22/2008 04:20	54.48
CVM	Pacific Challenger	02/23/2008 06:15	02/23/2008 07:00	45.59
CVM	Pacific Challenger	05/18/2008 12:05	05/18/2008 19:05	0.00
CVM	Pacific Challenger	05/26/2008 06:20	05/26/2008 08:30	0.00
CVM	Pacific Challenger	05/30/2008 21:15	05/30/2008 22:00	0.00
CVM	Pacific Challenger	06/02/2008 09:50	06/02/2008 11:25	0.00
CVS_O	Pacific Explorer	01/23/2008 11:30	01/23/2008 14:10	95.80
CVS_O	Pacific Explorer	01/23/2008 14:45	01/23/2008 16:10	56.00
CVS_O	Pacific Explorer	01/24/2008 11:40	01/24/2008 18:45	59.68
CVS_O	Pacific Explorer	01/24/2008 20:35	01/25/2008 00:11	14.82
CVS_O	Pacific Explorer	01/26/2008 20:20	01/27/2008 07:36	65.73

Appendix 1. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CVS_O	Pacific Explorer	02/01/2008 15:25	02/01/2008 21:48	79.25
CVS_O	Pacific Explorer	02/02/2008 00:23	02/02/2008 04:40	54.38
CVS_O	Pacific Explorer	02/02/2008 06:45	02/02/2008 11:15	49.51
CVS_O	Pacific Explorer	02/02/2008 14:40	02/02/2008 17:25	74.60
CVS_O	Pacific Explorer	02/02/2008 18:20	02/02/2008 22:55	39.31
CVS_O	Pacific Explorer	02/04/2008 06:15	02/04/2008 09:45	134.91
CVS_O	Pacific Explorer	02/04/2008 11:30	02/04/2008 16:00	55.91
CVS_O	Pacific Explorer	02/04/2008 22:03	02/05/2008 11:10	49.87
CVS_O	Pacific Explorer	09/12/2008 12:40	09/12/2008 14:50	0.20
CVS_O	Pacific Explorer	09/12/2008 17:20	09/13/2008 09:15	42.24
CVS_O	Pacific Explorer	09/13/2008 10:30	09/13/2008 21:45	2.60
CVS_O	Pacific Explorer	09/14/2008 02:10	09/14/2008 11:15	9.49
CVS_O	Pacific Explorer	09/14/2008 16:00	09/14/2008 22:00	9.43
CVS_O	Pacific Explorer	09/14/2008 23:00	09/15/2008 03:30	1.84
CVS_O	Pacific Explorer	09/16/2008 23:15	09/17/2008 09:45	42.62
CVS_O	Pacific Explorer	10/07/2008 16:30	10/08/2008 09:00	73.53
CVM	Pacific Fury	01/31/2008 23:00	02/01/2008 07:45	36.10
CVM	Pacific Fury	02/09/2008 12:00	02/09/2008 15:20	54.06
CVM	Pacific Fury	02/20/2008 19:35	02/20/2008 20:25	51.05
CVM	Pacific Fury	05/28/2008 18:45	05/28/2008 21:30	0.00
CVM	Pacific Fury	06/08/2008 07:15	06/08/2008 13:10	0.00
CVM	Pacific Fury	06/09/2008 10:00	06/09/2008 14:40	0.00
CVM	Pacific Fury	06/13/2008 16:00	06/13/2008 17:50	0.00
CVM	Pacific Fury	07/17/2008 07:25	07/17/2008 14:30	52.61
CVM	Pacific Fury	07/20/2008 20:45	07/20/2008 23:05	53.86
CVM	Pacific Fury	07/21/2008 03:00	07/21/2008 08:30	52.41
CVM	Pacific Fury	08/02/2008 17:25	08/02/2008 18:35	53.25
CVM	Pacific Fury	08/05/2008 13:20	08/05/2008 15:55	52.53
CVM	Pacific Fury	08/14/2008 11:15	08/14/2008 16:40	52.42
CVM	Pacific Fury	08/18/2008 22:35	08/19/2008 02:20	47.58
CVM	Pacific Fury	09/02/2008 06:45	09/02/2008 16:45	19.21
CVM	Pacific Fury	09/12/2008 07:45	09/12/2008 18:20	13.95
CVM	Pacific Fury	09/17/2008 21:45	09/18/2008 02:00	51.25
CP	Pacific Glacier	01/20/2008 12:20	01/20/2008 13:00	81.24
CP	Pacific Glacier	01/21/2008 04:10	01/21/2008 07:40	97.06
CP	Pacific Glacier	01/21/2008 11:20	01/21/2008 14:20	125.92
CP	Pacific Glacier	01/29/2008 00:30	01/29/2008 03:50	127.35
CP	Pacific Glacier	01/29/2008 14:55	01/29/2008 16:30	16.49
CP	Pacific Glacier	02/04/2008 14:55	02/04/2008 20:05	30.44
CP	Pacific Glacier	02/07/2008 04:00	02/07/2008 08:25	136.39
CP	Pacific Glacier	02/09/2008 16:05	02/09/2008 16:55	1.74
CP	Pacific Glacier	02/16/2008 02:55	02/16/2008 03:50	121.32
CP	Pacific Glacier	02/16/2008 21:30	02/16/2008 22:55	89.68
CP	Pacific Glacier	02/20/2008 15:30	02/20/2008 17:35	113.52
CP	Pacific Glacier	02/26/2008 11:05	02/26/2008 13:20	82.01
CVS_O	Pacific Prince	02/23/2008 21:00	02/24/2008 00:40	186.90
CVS_O	Pacific Prince	02/24/2008 03:30	02/24/2008 06:00	161.96
CVS_O	Pacific Prince	02/24/2008 08:00	02/24/2008 11:40	152.97
CVS_O	Pacific Prince	02/27/2008 07:20	02/27/2008 08:40	3.85
CVS_O	Pacific Prince	02/27/2008 12:00	02/27/2008 20:30	103.24

Appendix 1. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CVS_O	Pacific Prince	02/27/2008 22:35	02/28/2008 02:45	160.18
CVS_O	Pacific Prince	03/04/2008 21:50	03/05/2008 01:00	162.38
CVS_O	Pacific Prince	03/05/2008 02:25	03/05/2008 04:55	153.17
CVS_O	Pacific Prince	03/05/2008 06:10	03/05/2008 11:55	156.92
CVS_O	Pacific Prince	03/08/2008 07:35	03/08/2008 08:05	151.77
CVS_O	Pacific Prince	03/08/2008 10:05	03/08/2008 11:50	178.15
CVS_O	Pacific Prince	03/08/2008 13:55	03/08/2008 14:25	29.94
CVM	Pegasus	05/17/2008 17:40	05/17/2008 21:30	0.00
CVM	Pegasus	05/24/2008 17:45	05/24/2008 21:00	0.00
CVM	Pegasus	05/31/2008 06:30	05/31/2008 13:00	0.00
CVM	Pegasus	06/07/2008 13:00	06/07/2008 17:15	0.00
CVM	Popado II	09/26/2008 18:55	09/26/2008 19:50	0.00
CVM	Popado II	09/28/2008 11:45	09/28/2008 12:27	0.00
CVM	Popado II	10/11/2008 14:30	10/11/2008 17:54	0.00
CVM	Popado II	10/22/2008 07:30	10/22/2008 08:39	0.00
CVM	Popado II	11/10/2008 11:50	11/10/2008 12:20	0.00
CVS_O	Poseidon	03/01/2008 05:00	03/01/2008 13:00	48.99
CVS_O	Poseidon	03/01/2008 14:00	03/01/2008 18:00	125.35
CVS_O	Poseidon	03/01/2008 19:00	03/01/2008 21:00	91.38
CVS_O	Poseidon	03/15/2008 15:00	03/15/2008 20:00	80.00
CVS_O	Poseidon	03/15/2008 21:00	03/15/2008 23:00	170.00
CVS_O	Poseidon	03/15/2008 23:30	03/16/2008 01:30	29.04
CVS_O	Progress	02/04/2008 18:00	02/04/2008 18:40	58.95
CVS_O	Progress	02/04/2008 20:00	02/05/2008 05:45	50.67
CVS_O	Progress	02/05/2008 19:10	02/05/2008 20:00	0.42
CVS_O	Progress	02/06/2008 12:30	02/06/2008 17:30	33.74
CVS_O	Progress	02/08/2008 14:00	02/08/2008 18:30	64.57
CVS_O	Progress	02/08/2008 19:00	02/09/2008 00:30	43.91
CVS_O	Progress	02/09/2008 01:30	02/09/2008 12:45	72.86
CVS_O	Progress	08/13/2008 23:20	08/13/2008 23:50	0.12
CVS_O	Progress	08/14/2008 02:00	08/14/2008 09:15	64.92
CVS_O	Progress	08/14/2008 13:00	08/14/2008 17:50	45.52
CVS_O	Progress	08/14/2008 20:15	08/15/2008 01:30	12.13
CVS_O	Progress	08/15/2008 02:15	08/15/2008 10:00	13.78
CVS_O	Progress	08/16/2008 12:30	08/16/2008 15:30	19.10
CVM	Sea Storm	07/01/2008 18:35	07/01/2008 21:50	0.00
CVM	Sea Storm	07/15/2008 13:00	07/15/2008 13:25	0.00
CVM	Sea Storm	07/15/2008 15:00	07/15/2008 17:30	0.00
CVM	Sea Storm	08/09/2008 08:30	08/09/2008 09:15	0.00
CVM	Sea Storm	08/09/2008 13:00	08/09/2008 14:10	0.00
CVM	Sea Storm	08/17/2008 19:10	08/17/2008 20:15	0.00
CP	Seattle Enterprise	01/21/2008 16:30	01/21/2008 18:20	18.64
CP	Seattle Enterprise	01/23/2008 11:10	01/23/2008 18:05	27.92
CP	Seattle Enterprise	01/25/2008 20:00	01/25/2008 22:15	76.67
CP	Seattle Enterprise	01/27/2008 13:00	01/27/2008 14:30	30.98
CP	Seattle Enterprise	01/27/2008 16:15	01/27/2008 20:00	98.50
CP	Seattle Enterprise	01/28/2008 20:30	01/28/2008 22:45	92.51
CP	Seattle Enterprise	01/30/2008 08:50	01/30/2008 11:55	119.23
CP	Seattle Enterprise	01/31/2008 02:20	01/31/2008 05:40	54.26
CP	Seattle Enterprise	02/03/2008 15:35	02/03/2008 23:20	64.27

Appendix 1. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CP	Seattle Enterprise	02/08/2008 11:45	02/08/2008 14:20	24.69
CP	Seattle Enterprise	02/13/2008 05:10	02/13/2008 05:45	77.34
CP	Seattle Enterprise	02/21/2008 09:55	02/21/2008 13:15	54.40
CP	Seattle Enterprise	09/03/2008 08:45	09/03/2008 16:35	20.00
CP	Seattle Enterprise	09/09/2008 09:15	09/09/2008 13:45	10.54
CP	Seattle Enterprise	09/15/2008 13:45	09/15/2008 19:20	24.06
CP	Seattle Enterprise	09/17/2008 14:45	09/17/2008 17:10	92.30
CP	Seattle Enterprise	09/20/2008 03:20	09/20/2008 10:10	96.19
CP	Seattle Enterprise	09/23/2008 20:15	09/24/2008 04:00	71.90
CP	Seattle Enterprise	10/03/2008 00:50	10/03/2008 02:20	97.20
CP	Seattle Enterprise	10/04/2008 12:00	10/04/2008 18:10	6.66
CP	Seattle Enterprise	10/05/2008 09:15	10/05/2008 17:30	15.10
CP	Seattle Enterprise	10/14/2008 22:00	10/15/2008 09:30	43.10
CP	Seattle Enterprise	10/16/2008 21:40	10/17/2008 02:00	14.30
CP	Seattle Enterprise	10/17/2008 11:25	10/17/2008 21:20	0.96
CP	Seattle Enterprise	10/22/2008 01:05	10/22/2008 10:10	81.01
CVS_O	Sea Wolf	02/01/2008 20:30	02/02/2008 10:20	107.17
CVS_O	Sea Wolf	02/02/2008 12:45	02/02/2008 15:10	37.24
CVS_O	Sea Wolf	02/03/2008 02:15	02/03/2008 09:00	7.95
CVS_O	Sea Wolf	02/03/2008 21:10	02/04/2008 09:50	63.74
CVS_O	Sea Wolf	02/04/2008 11:20	02/04/2008 13:15	12.19
CVS_O	Sea Wolf	02/04/2008 14:00	02/04/2008 18:10	3.35
CVS_O	Sea Wolf	02/04/2008 21:50	02/05/2008 04:10	50.79
CVS_O	Seeker	03/19/2008 14:10	03/19/2008 16:10	55.60
CVS_O	Seeker	03/19/2008 17:35	03/19/2008 20:00	66.47
CVS_O	Sovereignty	02/11/2008 20:30	02/12/2008 09:15	114.26
CVS_O	Sovereignty	02/12/2008 11:00	02/12/2008 18:15	19.84
CVS_O	Sovereignty	02/13/2008 16:30	02/13/2008 21:30	135.14
CVS_O	Sovereignty	02/13/2008 23:45	02/14/2008 02:00	84.35
CVS_O	Sovereignty	02/16/2008 14:45	02/16/2008 16:30	132.68
CVS_O	Sovereignty	02/16/2008 18:00	02/16/2008 20:45	131.73
CVS_O	Sovereignty	02/16/2008 22:35	02/17/2008 05:30	139.71
CVS_O	Sovereignty	06/12/2008 21:30	06/13/2008 08:30	159.32
CVS_O	Sovereignty	06/13/2008 10:30	06/13/2008 11:00	10.42
CVS_O	Sovereignty	06/13/2008 15:30	06/14/2008 00:30	104.54
CVS_O	Sovereignty	06/14/2008 02:10	06/14/2008 11:30	166.80
CVS_O	Sovereignty	07/25/2008 21:00	07/25/2008 23:00	28.84
CVS_O	Sovereignty	07/26/2008 00:30	07/26/2008 17:00	137.10
CVS_O	Sovereignty	07/26/2008 19:30	07/27/2008 10:30	0.88
CVS_O	Sovereignty	07/27/2008 13:30	07/27/2008 20:00	1.80
CVS_O	Sovereignty	07/28/2008 01:30	07/28/2008 09:00	47.86
CVS_O	Sovereignty	09/29/2008 23:15	09/30/2008 10:02	15.53
CVS_O	Sovereignty	10/01/2008 00:45	10/01/2008 12:50	52.79
CP	Starbound	01/20/2008 12:20	01/20/2008 14:00	64.85
CP	Starbound	01/20/2008 19:55	01/20/2008 21:40	99.49
CP	Starbound	01/21/2008 17:30	01/21/2008 22:50	32.16
CP	Starbound	01/30/2008 00:40	01/30/2008 04:20	95.96
CP	Starbound	02/02/2008 13:30	02/02/2008 19:05	59.95
CP	Starbound	02/02/2008 21:50	02/03/2008 01:30	53.04
CP	Starbound	02/04/2008 20:55	02/05/2008 02:50	58.26

Appendix 1. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CP	Starbound	02/09/2008 13:30	02/09/2008 19:17	27.70
CP	Starbound	02/10/2008 12:15	02/10/2008 15:30	103.00
CP	Starbound	02/14/2008 08:00	02/14/2008 16:00	23.78
CP	Starbound	02/18/2008 10:00	02/18/2008 13:40	88.35
CP	Starbound	02/20/2008 05:35	02/20/2008 08:45	98.78
CP	Starbound	02/22/2008 17:45	02/22/2008 21:55	89.93
CP	Starbound	02/24/2008 08:45	02/24/2008 11:30	105.93
CP	Starbound	03/01/2008 00:35	03/01/2008 03:50	99.26
CP	Starbound	03/02/2008 02:05	03/02/2008 05:05	91.71
CP	Starbound	03/02/2008 13:05	03/02/2008 13:30	84.52
CP	Starbound	03/03/2008 10:00	03/03/2008 12:25	88.98
CP	Starbound	03/03/2008 22:40	03/04/2008 02:45	81.20
CP	Starbound	03/04/2008 19:30	03/04/2008 20:35	89.72
CP	Starbound	03/05/2008 10:40	03/05/2008 12:10	96.75
CP	Starbound	03/10/2008 05:45	03/10/2008 07:15	68.92
CP	Starbound	06/12/2008 12:45	06/12/2008 14:45	78.30
CP	Starbound	06/14/2008 23:55	06/15/2008 00:40	88.87
CP	Starbound	06/16/2008 10:10	06/16/2008 15:30	81.41
CP	Starbound	06/18/2008 11:35	06/18/2008 13:00	75.21
CP	Starbound	06/24/2008 21:25	06/25/2008 01:35	92.61
CP	Starbound	06/26/2008 03:05	06/26/2008 06:30	94.35
CP	Starbound	06/26/2008 09:30	06/26/2008 15:15	80.06
CP	Starbound	06/28/2008 11:10	06/28/2008 13:00	91.80
CP	Starbound	06/28/2008 21:50	06/29/2008 00:45	94.00
CP	Starbound	06/30/2008 06:10	06/30/2008 11:50	67.13
CP	Starbound	06/30/2008 14:00	06/30/2008 17:30	92.77
CP	Starbound	07/10/2008 01:00	07/10/2008 07:05	49.91
CP	Starbound	07/15/2008 19:05	07/15/2008 21:30	104.36
CP	Starbound	07/23/2008 18:20	07/23/2008 21:45	103.51
CP	Starbound	07/29/2008 15:40	07/29/2008 19:10	84.34
CP	Starbound	08/03/2008 00:10	08/03/2008 04:30	70.62
CP	Starbound	08/10/2008 10:15	08/10/2008 15:30	109.63
CP	Starbound	08/10/2008 22:25	08/11/2008 02:25	68.87
CP	Starbound	08/18/2008 05:25	08/18/2008 12:50	36.40
CP	Starbound	08/18/2008 19:00	08/18/2008 20:30	95.10
CP	Starbound	08/20/2008 19:45	08/21/2008 03:05	91.03
CP	Starbound	08/21/2008 04:10	08/21/2008 10:00	73.05
CP	Starbound	08/24/2008 19:45	08/25/2008 04:25	89.68
CP	Starbound	09/20/2008 06:25	09/20/2008 11:10	44.66
CP	Starbound	09/22/2008 03:30	09/22/2008 06:15	92.68
CP	Starbound	:	02/18/2008 08:40	87.97
CP	Starbound	:	02/07/2008 12:50	81.80
CVS_O	Starlite	02/28/2008 02:34	02/28/2008 09:10	134.35
CVS_O	Starlite	02/28/2008 10:30	02/28/2008 11:40	8.00
CVS_O	Starlite	07/01/2008 10:30	07/01/2008 15:50	23.57
CVS_O	Starlite	07/01/2008 20:55	07/01/2008 21:40	106.37
CVS_O	Starlite	07/01/2008 22:40	07/02/2008 10:20	91.86
CVS_O	Starlite	07/02/2008 13:40	07/02/2008 15:15	28.99
CVS_O	Starlite	07/06/2008 13:20	07/06/2008 23:30	45.09
CVS_O	Starlite	08/05/2008 07:35	08/05/2008 18:35	45.00

Appendix 1. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CVS_O	Starlite	08/05/2008 20:10	08/06/2008 07:15	114.64
CVS_O	Starlite	08/06/2008 09:55	08/06/2008 17:50	74.08
CVS_O	Starward	03/10/2008 01:30	03/10/2008 02:00	99.02
CVS_O	Starward	03/10/2008 03:45	03/10/2008 05:00	101.02
CVS_O	Starward	03/10/2008 06:45	03/10/2008 07:20	78.64
CVM	Traveler	01/28/2008 22:44	01/29/2008 03:22	43.28
CVM	Traveler	01/29/2008 16:55	01/29/2008 21:30	38.56
CVM	Traveler	02/01/2008 00:20	02/01/2008 07:05	40.06
CVM	Traveler	02/09/2008 22:27	02/09/2008 22:43	41.05
CVM	Traveler	02/20/2008 19:56	02/20/2008 22:01	48.57
CVM	Traveler	02/22/2008 19:40	02/22/2008 23:20	45.19
CVM	Traveler	02/24/2008 14:45	02/24/2008 15:50	39.34
CVM	Traveler	05/19/2008 08:40	05/19/2008 09:50	0.00
CVM	Traveler	05/29/2008 17:31	05/29/2008 20:55	0.00
CVM	Traveler	05/30/2008 07:20	05/30/2008 10:05	0.00
CVM	Traveler	07/03/2008 15:50	07/03/2008 20:35	0.00
CVM	Traveler	07/08/2008 07:05	07/08/2008 14:10	0.00
CVM	Traveler	07/11/2008 05:55	07/11/2008 06:23	0.00
CVM	Traveler	07/11/2008 17:42	07/11/2008 19:51	0.00
CVM	Traveler	07/23/2008 10:20	07/23/2008 10:57	0.00
CVM	Traveler	08/04/2008 10:05	08/04/2008 10:24	0.00
CVM	Traveler	08/06/2008 16:25	08/06/2008 17:40	0.00
CVM	Traveler	08/07/2008 21:27	08/07/2008 22:27	0.00
CVM	Traveler	08/08/2008 11:08	08/08/2008 11:56	0.00
CVM	Traveler	08/09/2008 07:28	08/09/2008 09:05	0.00
CVM	Traveler	08/10/2008 18:08	08/10/2008 21:40	0.00
CVM	Traveler	08/11/2008 18:00	08/11/2008 19:50	0.00
CVM	Traveler	08/17/2008 19:37	08/17/2008 20:50	0.00
CVM	Traveler	09/02/2008 11:00	09/02/2008 17:40	10.21
CVM	Traveler	09/05/2008 02:20	09/05/2008 11:50	30.46
CVM	Traveler	09/08/2008 06:45	09/08/2008 18:20	18.70
CVM	Traveler	09/18/2008 20:40	09/19/2008 01:07	46.39
CVM	Traveler	09/18/2008 22:24	09/19/2008 03:43	51.36
CVM	Traveler	09/20/2008 23:45	09/21/2008 03:10	48.57
CVM	Traveler	09/24/2008 10:45	09/24/2008 17:05	11.36
CVM	Traveler	09/29/2008 15:40	09/30/2008 08:45	42.83
CVM	Traveler	10/12/2008 00:01	10/12/2008 11:52	40.23
CVM	Vanguard	03/01/2008 12:00	03/01/2008 13:00	48.84
CVM	Vanguard	03/05/2008 09:30	03/05/2008 12:30	63.92
CVM	Vanguard	08/01/2008 09:00	08/01/2008 11:27	65.69
CVM	Vanguard	08/01/2008 19:42	08/01/2008 22:55	62.19
CVM	Vanguard	08/03/2008 22:24	08/04/2008 12:32	23.86
CVM	Vanguard	08/23/2008 22:52	08/24/2008 09:12	31.18
CVM	Vanguard	08/28/2008 16:20	08/29/2008 08:13	35.77
CVM	Vanguard	09/09/2008 02:00	09/09/2008 12:30	28.55
CVM	Vanguard	09/13/2008 22:40	09/14/2008 13:30	56.91
CVM	Vanguard	09/17/2008 18:15	09/17/2008 23:45	57.71
CVM	Vanguard	09/19/2008 07:40	09/19/2008 23:00	63.89
CVM	Vanguard	09/23/2008 22:30	09/24/2008 09:00	57.61
CVM	Vanguard	09/30/2008 07:15	09/30/2008 11:15	12.18

Appendix 1. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CVM	Vanguard	09/30/2008 16:00	09/30/2008 21:30	5.92
CVM	Vesteraalen	02/09/2008 10:29	02/09/2008 13:30	53.45
CVM	Vesteraalen	02/17/2008 22:45	02/18/2008 02:50	51.58
CVM	Vesteraalen	02/18/2008 06:42	02/18/2008 11:30	49.08
CVM	Vesteraalen	03/02/2008 06:18	03/02/2008 09:50	56.95
CVM	Vesteraalen	03/03/2008 01:08	03/03/2008 02:00	59.06
CVM	Vesteraalen	08/16/2008 14:20	08/16/2008 15:12	53.13
CVM	Vesteraalen	08/19/2008 17:10	08/20/2008 05:00	54.19
CVM	Vesteraalen	09/02/2008 02:45	09/02/2008 14:15	34.79
CVM	Vesteraalen	09/08/2008 04:05	09/08/2008 11:58	45.29
CVM	Vesteraalen	09/13/2008 12:19	09/13/2008 20:55	51.63
CVM	Vesteraalen	09/17/2008 10:56	09/17/2008 12:38	52.13
CVM	Vesteraalen	09/17/2008 20:18	09/18/2008 03:05	49.71
CVM	Vesteraalen	09/18/2008 18:22	09/18/2008 21:20	49.66
CVM	Vesteraalen	09/19/2008 06:19	09/19/2008 06:35	55.86
CVM	Vesteraalen	09/19/2008 22:05	09/20/2008 02:00	50.63
CVM	Vesteraalen	09/24/2008 18:55	09/25/2008 03:10	24.07
CVM	Vesteraalen	10/04/2008 10:47	10/04/2008 22:59	20.49
CVM	Vesteraalen	10/11/2008 11:20	10/11/2008 21:05	46.52
CVM	Vesteraalen	10/12/2008 10:55	10/12/2008 17:18	25.24
CVM	Vesteraalen	10/13/2008 22:00	10/14/2008 07:00	52.27
CVM	Vesteraalen	10/15/2008 23:20	10/16/2008 09:19	35.42
CVM	Vesteraalen	10/19/2008 03:10	10/19/2008 05:15	39.41
CVS_O	Viking	02/01/2008 13:00	02/01/2008 20:30	125.77
CVS_O	Viking	02/01/2008 22:30	02/02/2008 09:00	106.03
CVS_O	Viking	02/02/2008 11:30	02/02/2008 12:00	5.15
CVS_O	Viking	02/02/2008 22:00	02/03/2008 04:30	62.25
CVS_O	Viking	02/03/2008 06:00	02/03/2008 10:30	9.90
CVS_O	Viking	02/05/2008 02:00	02/05/2008 11:00	105.61
CVS_O	Viking	02/05/2008 14:00	02/05/2008 17:00	112.86
CVS_O	Viking	02/05/2008 19:00	02/05/2008 23:50	114.47
CVS_O	Viking	02/09/2008 21:00	02/10/2008 01:30	126.12
CVS_O	Viking	08/20/2008 00:30	08/20/2008 09:30	17.83
CVS_O	Viking	08/20/2008 12:30	08/20/2008 17:00	50.54
CVS_O	Viking	08/20/2008 23:40	08/21/2008 11:30	98.17
CVS_O	Viking	08/21/2008 13:00	08/21/2008 22:30	50.54
CVS_O	Viking	08/22/2008 03:00	08/22/2008 12:45	35.23
CVS_O	Viking	08/26/2008 17:00	08/26/2008 23:00	19.93
CVS_O	Viking Explorer	07/10/2008 14:55	07/10/2008 22:00	99.56
CVS_O	Viking Explorer	07/10/2008 23:30	07/11/2008 09:45	106.37
CVS_O	Viking Explorer	07/11/2008 10:30	07/11/2008 14:30	3.27
CVS_O	Viking Explorer	07/11/2008 19:10	07/12/2008 09:10	53.26
CVS_O	Viking Explorer	08/12/2008 18:30	08/12/2008 19:20	1.99
CVS_O	Viking Explorer	08/13/2008 00:35	08/13/2008 20:30	18.36
CVS_O	Viking Explorer	08/14/2008 19:30	08/14/2008 23:00	8.27
CVS_O	Viking Explorer	08/15/2008 01:00	08/15/2008 09:15	23.98
CVS_O	Viking Explorer	08/15/2008 12:45	08/15/2008 17:15	19.88
CVS_O	Viking Explorer	08/15/2008 18:30	08/16/2008 08:20	24.81
CVS_O	Walter N	06/16/2008 01:50	06/16/2008 06:25	11.13
CVS_O	Walter N	06/16/2008 13:10	06/16/2008 22:30	55.05

Appendix 1. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CVS_O	Walter N	06/25/2008 14:30	06/25/2008 17:10	29.28
CVS_O	Walter N	06/25/2008 20:00	06/25/2008 22:00	4.24
CVM	Western Dawn	01/29/2008 01:05	01/29/2008 07:00	32.69
CVM	Western Dawn	05/20/2008 07:00	05/20/2008 20:30	0.00
CVM	Western Dawn	05/21/2008 15:50	05/21/2008 16:45	0.00
CVM	Western Dawn	05/28/2008 11:30	05/28/2008 15:15	0.00
CVM	Western Dawn	05/29/2008 06:05	05/29/2008 09:10	0.00
CVM	Western Dawn	05/29/2008 11:25	05/29/2008 15:35	0.00
CVM	Western Dawn	05/30/2008 07:10	05/30/2008 09:50	0.00
CVM	Western Dawn	06/07/2008 10:50	06/07/2008 13:15	0.00
CVM	Western Dawn	07/02/2008 06:20	07/02/2008 11:00	0.00
CVM	Western Dawn	08/10/2008 03:50	08/10/2008 11:30	45.55
CVM	Western Dawn	08/10/2008 13:45	08/10/2008 20:20	17.67
CVM	Western Dawn	08/11/2008 23:10	08/12/2008 11:40	16.87
CVM	Western Dawn	08/15/2008 14:20	08/15/2008 16:10	49.97
CVM	Western Dawn	08/18/2008 22:00	08/19/2008 05:40	37.23
CVM	Western Dawn	09/01/2008 02:55	09/01/2008 08:30	51.38
CVM	Western Dawn	09/03/2008 19:50	09/04/2008 06:50	49.51
CVM	Western Dawn	09/05/2008 11:05	09/05/2008 22:31	36.03
CVM	Western Dawn	09/07/2008 06:40	09/07/2008 13:40	18.29
CVM	Western Dawn	09/15/2008 18:05	09/15/2008 21:50	3.48
CVM	Western Dawn	09/20/2008 00:25	09/20/2008 07:55	40.26
CVM	Western Dawn	09/30/2008 08:55	09/30/2008 20:30	8.69
CVM	Western Dawn	10/04/2008 04:30	10/04/2008 16:25	13.52
CVS_O	Westward I	02/25/2008 03:35	02/25/2008 09:55	91.52
CVS_O	Westward I	02/25/2008 11:25	02/25/2008 21:35	91.61
CVS_O	Westward I	02/25/2008 23:20	02/26/2008 01:25	92.03
CVS_O	Westward I	02/28/2008 12:45	02/28/2008 16:25	101.09
CVS_O	Westward I	02/28/2008 19:45	02/29/2008 03:30	115.60
CVS_O	Westward I	06/29/2008 05:00	06/29/2008 10:20	95.27
CVS_O	Westward I	06/29/2008 11:50	06/29/2008 16:15	58.98
CVS_O	Westward I	06/29/2008 17:40	06/30/2008 00:50	54.44
CVS_O	Westward I	06/30/2008 02:10	06/30/2008 10:30	90.73
CVS_O	Westward I	07/03/2008 14:00	07/03/2008 18:15	48.23
CVS_O	Westward I	07/03/2008 19:50	07/04/2008 09:45	53.03
CVS_O	Westward I	07/19/2008 15:10	07/19/2008 19:31	39.57
CVS_O	Westward I	07/19/2008 20:10	07/19/2008 21:30	0.45
CVS_O	Westward I	07/20/2008 02:40	07/20/2008 13:45	77.41
CVS_O	Westward I	07/20/2008 15:00	07/20/2008 21:15	38.92
CVS_O	Westward I	07/20/2008 22:20	07/21/2008 11:45	60.61
CVS_O	Westward I	07/21/2008 13:00	07/21/2008 15:30	10.53
CVS_O	Westward I	07/21/2008 18:30	07/22/2008 02:30	63.65
CVS_O	Westward I	07/31/2008 04:15	07/31/2008 16:15	75.98
CVS_O	Westward I	07/31/2008 17:30	08/01/2008 08:30	52.30
CVS_O	Westward I	08/01/2008 10:00	08/01/2008 12:40	8.95
CVS_O	Westward I	08/01/2008 15:15	08/01/2008 19:15	89.44
CVS_O	Westward I	08/01/2008 20:25	08/02/2008 04:50	86.77
CVS_O	Westward I	08/05/2008 14:15	08/06/2008 06:30	87.17
CVS_O	Westward I	08/06/2008 08:20	08/06/2008 15:50	13.26
CVS_O	Westward I	08/06/2008 17:20	08/06/2008 19:10	0.89

Appendix 1. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CVS_O	Westward I	08/06/2008 21:45	08/07/2008 05:20	92.77
CVS_O	Westward I	08/07/2008 07:00	08/07/2008 22:00	70.60
CVS_O	Westward I	08/07/2008 23:45	08/08/2008 03:20	21.97
CVS_O	Westward I	08/11/2008 18:40	08/12/2008 09:15	31.35
CVS_O	Westward I	08/25/2008 11:15	08/25/2008 17:15	1.70
CVS_O	Westward I	08/26/2008 02:00	08/26/2008 10:00	27.18
CVS_O	Westward I	08/26/2008 16:20	08/26/2008 22:50	26.30
CVS_O	Westward I	08/27/2008 00:40	08/27/2008 09:20	11.64
CVS_O	Westward I	08/27/2008 12:30	08/27/2008 21:15	26.22
CVS_O	Westward I	08/28/2008 00:25	08/28/2008 08:10	89.96
CVS_O	Westward I	08/28/2008 13:00	08/28/2008 18:10	2.60
CVS_O	Westward I	08/28/2008 23:55	08/29/2008 09:40	75.85
CVS_O	Westward I	09/01/2008 02:35	09/01/2008 08:45	17.92
CVS_O	Westward I	09/01/2008 10:00	09/01/2008 14:30	2.24

Appendix 2. Selected trips for the closure zone audit, Bering Sea pollock fishery, 2008.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight
				(Metric tons)
CVS_O	Alaskan Command	01/26/2008	01/30/2008	412.40
CVS_O	Alaskan Command	01/31/2008	02/03/2008	587.47
CVS_O	Alaskan Command	02/04/2008	02/08/2008	525.15
CVS_O	Alaskan Command	02/26/2008	02/29/2008	612.26
CVS_O	Alaskan Command	08/01/2008	08/05/2008	590.41
CVS_NO	Alaska Rose	02/25/2008	02/28/2008	332.03
CVS_O	Aldebaran	02/11/2008	02/14/2008	174.01
CVS_O	Alsea	02/21/2008	02/25/2008	462.51
CVS_NO	Alsea	06/13/2008	06/15/2008	416.27
CVS_O	Alsea	08/03/2008	08/08/2008	402.19
CVS_NO	Alsea	08/15/2008	08/19/2008	197.49
CVS_NO	Alyeska	02/21/2008	02/23/2008	213.07
CVS_NO	Alyeska	02/24/2008	02/26/2008	294.75
CVS_O	American Eagle	08/10/2008	08/15/2008	212.37
CVS_O	American Eagle	08/22/2008	08/26/2008	156.11
CVS_NO	American Eagle	09/01/2008	09/05/2008	155.22
CVS_O	Arctic Explorer	01/25/2008	01/27/2008	306.44
CVS_O	Arctic Explorer	02/07/2008	02/10/2008	247.55
CVS_O	Arctic Explorer	03/05/2008	03/09/2008	312.10
CVS_O	Arctic Explorer	06/19/2008	06/21/2008	334.06
CVS_O	Arctic Explorer	08/06/2008	08/09/2008	279.30
CVS_O	Arctic Explorer	08/17/2008	08/20/2008	237.05
CVS_O	Arctic Wind	06/28/2008	07/01/2008	255.17
CVS_O	Arctic Wind	09/25/2008	09/30/2008	140.04
CVS_O	Arcturus	08/19/2008	08/22/2008	143.28
CVS_O	Arcturus	09/19/2008	09/24/2008	98.03
CVS_NO	Argosy	07/01/2008	07/05/2008	301.67
CVS_NO	Argosy	08/26/2008	09/01/2008	368.57
CVS_O	Auriga	07/03/2008	07/08/2008	527.63
CVS_O	Aurora	07/25/2008	07/28/2008	576.27
CVS_O	Bering Rose	02/15/2008	02/18/2008	346.30
CVS_O	Bristol Explorer	01/26/2008	01/29/2008	376.33
CVS_O	Bristol Explorer	06/28/2008	06/30/2008	323.34
CVS_NO	Caitlin Ann	09/25/2008	09/30/2008	110.20
CVS_O	Chelsea K	01/21/2008	01/24/2008	848.20
CVS_O	Chelsea K	01/25/2008	01/29/2008	527.47
CVS_O	Chelsea K	01/29/2008	02/01/2008	731.78
CVS_O	Chelsea K	06/10/2008	06/14/2008	809.68
CVS_O	Chelsea K	07/27/2008	08/01/2008	806.67
CVS_O	Columbia	02/27/2008	02/29/2008	217.63
CVS_NO	Columbia	07/17/2008	07/20/2008	145.91
CVS_NO	Columbia	10/07/2008	10/11/2008	267.56
CVS_O	Commodore	06/14/2008	06/16/2008	189.21
CVS_O	Commodore	06/29/2008	06/30/2008	187.80
CVS_O	Commodore	07/13/2008	07/15/2008	40.53
CVS_O	Commodore	07/29/2008	08/01/2008	192.72
CVS_O	Commodore	08/05/2008	08/06/2008	41.36
CVS_O	Commodore	08/20/2008	08/21/2008	67.05
CVS_O	Defender	01/26/2008	01/30/2008	684.20
CVS_O	Defender	02/07/2008	02/10/2008	725.13

Appendix 2. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CVS_O	Defender	08/30/2008	09/04/2008	550.04
CVS_O	Destination	08/13/2008	08/17/2008	464.64
CVS_O	Destination	08/25/2008	08/31/2008	270.14
CVS_NO	Dominator	03/06/2008	03/07/2008	306.36
CVS_O	Dominator	09/07/2008	09/09/2008	231.73
CVS_NO	Dominator	09/15/2008	09/18/2008	252.77
CVS_NO	Excalibur Ii	03/04/2008	03/06/2008	159.90
CVS_O	Excalibur Ii	06/23/2008	06/25/2008	75.60
CVS_NO	Excalibur Ii	06/26/2008	06/27/2008	167.85
CVS_NO	Excalibur Ii	06/27/2008	06/28/2008	83.99
CVS_O	Fierce Allegiance	02/19/2008	02/22/2008	339.72
CVS_O	Fierce Allegiance	06/16/2008	06/23/2008	319.33
CVS_NO	Gladiator	03/16/2008	03/18/2008	338.37
CVS_O	Gladiator	08/19/2008	08/22/2008	193.38
CVS_O	Gladiator	10/04/2008	10/06/2008	118.38
CVS_O	Gladiator	10/12/2008	10/15/2008	333.19
CVS_O	Golden Dawn	06/19/2008	06/21/2008	311.31
CVS_O	Golden Dawn	06/22/2008	06/25/2008	268.21
CVS_O	Golden Dawn	06/29/2008	07/01/2008	26.74
CVS_O	Golden Dawn	07/02/2008	07/06/2008	185.46
CVS_O	Golden Dawn	07/11/2008	07/14/2008	294.18
CVS_O	Golden Dawn	08/05/2008	08/09/2008	302.47
CVS_O	Golden Dawn	10/12/2008	10/16/2008	262.76
CVS_NO	Gold Rush	01/21/2008	01/22/2008	124.58
CVS_NO	Gold Rush	01/24/2008	01/27/2008	138.29
CVS_O	Gold Rush	06/19/2008	06/22/2008	94.62
CVS_NO	Gold Rush	07/25/2008	07/28/2008	132.30
CVS_O	Great Pacific	06/17/2008	06/20/2008	189.18
CVS_NO	Great Pacific	08/30/2008	09/03/2008	178.00
CVS_O	Gun-Mar	02/10/2008	02/13/2008	552.87
CVS_O	Gun-Mar	06/29/2008	07/02/2008	547.17
CVS_O	Gun-Mar	07/04/2008	07/08/2008	538.08
CVS_O	Gun-Mar	07/27/2008	07/31/2008	529.75
CVS_NO	Leslie Lee	07/21/2008	07/23/2008	26.89
CVS_NO	Majesty	07/15/2008	07/16/2008	75.17
CVS_NO	Majesty	08/07/2008	08/10/2008	127.73
CVS_O	Marcy J	06/28/2008	07/01/2008	51.00
CVS_NO	Nordic Star	01/25/2008	01/27/2008	186.53
CVS_NO	Nordic Star	06/17/2008	06/20/2008	179.92
CVS_O	Northern Patriot	02/19/2008	02/21/2008	340.91
CVS_O	Northern Patriot	07/31/2008	08/02/2008	173.06
CVS_O	Ocean Explorer	07/22/2008	07/26/2008	292.22
CVS_O	Ocean Explorer	09/01/2008	09/04/2008	163.64
CVS_O	Ocean Explorer	09/07/2008	09/10/2008	129.33
CVS_O	Ocean Explorer	09/17/2008	09/19/2008	98.90
CVS_NO	Ocean Hope 3	06/18/2008	06/21/2008	104.23
CVS_NO	Oceanic	06/23/2008	06/26/2008	207.18
CVS_O	Pacific Explorer	01/23/2008	01/25/2008	245.81
CVS_O	Pacific Explorer	02/01/2008	02/03/2008	297.79
CVS_O	Pacific Explorer	09/12/2008	09/15/2008	65.59

Appendix 2. Continued.

Sector	Vessel	Start of Haul	End of Haul	Pollock Weight (Metric tons)
CVS_O	Pacific Explorer	10/07/2008	10/08/2008	75.49
CVS_O	Pacific Prince	02/23/2008	02/26/2008	507.81
CVS_O	Pacific Prince	03/04/2008	03/07/2008	472.66
CVS_NO	Pacific Prince	08/18/2008	08/23/2008	421.79
CVS_NO	Poseidon	02/26/2008	02/29/2008	209.51
CVS_O	Poseidon	03/15/2008	03/18/2008	237.13
CVS_NO	Poseidon	06/27/2008	06/30/2008	202.38
CVS_O	Progress	02/04/2008	02/07/2008	190.72
CVS_O	Progress	02/08/2008	02/11/2008	183.12
CVS_NO	Progress	02/21/2008	02/24/2008	192.51
CVS_NO	Progress	08/08/2008	08/12/2008	183.48
CVS_O	Progress	08/13/2008	08/17/2008	157.14
CVS_NO	Royal American	01/24/2008	01/26/2008	217.37
CVS_NO	Royal American	07/23/2008	07/27/2008	230.52
CVS_NO	Royal Atlantic	03/12/2008	03/14/2008	215.47
CVS_NO	Royal Atlantic	06/23/2008	06/25/2008	101.11
CVS_NO	Seadawn	01/20/2008	01/21/2008	294.26
CVS_NO	Seadawn	01/25/2008	01/28/2008	291.94
CVS_NO	Seadawn	10/13/2008	10/18/2008	284.34
CVS_O	Sea Wolf	02/01/2008	02/06/2008	286.12
CVS_O	Seeker	03/19/2008	03/20/2008	125.80
CVS_NO	Seeker	03/25/2008	03/26/2008	129.59
CVS_O	Sovereignty	02/11/2008	02/15/2008	369.77
CVS_O	Sovereignty	06/12/2008	06/15/2008	446.10
CVS_O	Sovereignty	07/25/2008	07/29/2008	216.95
CVS_O	Sovereignty	09/29/2008	10/02/2008	70.17
CVS_NO	Starfish	06/16/2008	06/19/2008	119.24
CVS_NO	Starlite	02/24/2008	02/27/2008	230.88
CVS_O	Starlite	07/01/2008	07/05/2008	250.88
CVS_O	Starlite	08/05/2008	08/09/2008	227.69
CVS_O	Starward	03/10/2008	03/11/2008	285.93
CVS_NO	Starward	09/09/2008	09/12/2008	147.04
CVS_NO	Storm Petrel	07/24/2008	07/28/2008	148.33
CVS_O	Viking	02/01/2008	02/04/2008	317.58
CVS_O	Viking	02/05/2008	02/08/2008	334.19
CVS_O	Viking	08/20/2008	08/25/2008	253.39
CVS_NO	Viking Explorer	01/31/2008	02/02/2008	211.77
CVS_NO	Viking Explorer	02/04/2008	02/06/2008	126.53
CVS_NO	Viking Explorer	02/07/2008	02/10/2008	221.93
CVS_O	Viking Explorer	07/07/2008	07/10/2008	166.30
CVS_O	Viking Explorer	08/12/2008	08/14/2008	18.28
CVS_NO	Walter N	02/09/2008	02/11/2008	160.38
CVS_NO	Walter N	06/12/2008	06/15/2008	142.24
CVS_NO	Walter N	06/20/2008	06/24/2008	131.23
CVS_O	Westward I	02/25/2008	02/27/2008	276.70
CVS_O	Westward I	06/29/2008	07/02/2008	298.61
CVS_O	Westward I	07/19/2008	07/23/2008	290.38
CVS_O	Westward I	07/31/2008	08/04/2008	313.95
CVS_O	Westward I	08/05/2008	08/10/2008	284.08
CVS_O	Westward I	08/25/2008	08/31/2008	260.99

2008B3

OUR No. 06480713
Expiration Date: 06/30/2008

WRITE - Vessel Copy: Keep in Logbook
Observer Copy: Give to Observer
Yellow - VMSB Copy: Return

DATE (M - D - Y) 7/15/08 PAGE 103

ADFG Vessel No. 60650

Federal Fishery Permit No. 2996

VESSEL NAME Majesty

OPERATOR NAME AND SIGNATURE Raye Morris

NO. OF OBSERVATIONS 0

OBSERVER INFORMATION

OBSERVER NAME AND CRUISE #

OBSERVER NAME AND CRUISE #

MANAGEMENT PROGRAM (check applicable and enter number)

CDD Exempted AIP

Research No. 101

START

END

REASON

TRAWL GEAR ONLY (Circle one)

COBLZ 609 RKCSA

FEDERAL REPORTING AREA 4

CREW SIZE 4

AVE. SEA DEPTH (Circle one)

M or F 34

AVE. GEAR DEPTH (Circle one)

M or F 34

DATE AND TIME OF GEAR RETRIEVAL

16:50 16:40:08

18:45 16:40:6

BEGIN POSITION OF HAUL

LATITUDE 5515 LONGITUDE 16407

LATITUDE 5526 LONGITUDE 16400

END POSITION OF HAUL

LATITUDE 5514 LONGITUDE 16408

LATITUDE 5539 LONGITUDE 16406

TIME OF GEAR DEPLOYMENT

17:00 18:10

HAUL NO.

81 82

TOTAL HAIL WEIGHT (kg or ml)

109000 601000

TARGET SPECIES CODE

270 270

DISCARD/DISPOSITION

SPECIES CODE

PRODUCT CODE

BALANCE FORWARD

DAILY TOTAL

CUMULATIVE TOTAL SINCE LAST DELIVERY

NO DISCARD

CATCH DELIVERY INFORMATION

CHECK HERE IF DELIVERIES ARE UNSORTED COD ENDS

CHECK HERE IF DELIVERIES ARE PRESORTED AT SEA. IF FISH ARE NOT PRESORTED, INDICATE WHOLE DISCARDS AND DISPOSITION

Wardah and Pacific herring, crabs, hake, or other

DELIVERY DATE 7-16-08 RECIPIENT'S NAME Taylor S. ...

ADFG FISH TICKET # 56734 ADFG PROCESSOR CODE 10939

REMARKS

Appendix 4. Candidate violations and verdicts by ABR and Sea State, Inc., for a selected subset (10% vessel/day catch) of the Bering Sea pollock fishery, 2008. The names of vessels associated with potential violations have been removed pending final resolution of the cases.

Vessel	Observation Date/Time	ABR Verdict	Sea State Verdict
Alaskan Command	02/02/2008 04:30:00	Excluded: speed filter	Excluded
Alaskan Command	02/02/2008 04:50:00	Excluded: speed filter	Excluded
Alaskan Command	02/02/2008 05:00:00	Excluded: speed filter	Excluded
Alaskan Command	02/03/2008 09:48:00	Excluded: speed filter	Excluded
Alaskan Command	02/03/2008 10:00:00	Excluded: speed filter	Excluded
Alaskan Command	02/03/2008 10:12:00	Excluded: speed filter	Excluded
Alaskan Command	02/03/2008 10:30:00	Excluded: speed filter	Excluded
Alaskan Command	02/03/2008 10:35:00	Excluded: speed filter	Excluded
Alaskan Command	02/03/2008 11:00:00	Excluded: speed filter	Excluded
Alaskan Command	02/03/2008 11:22:00	Exempt: tier status	Excluded
Alaskan Command	02/03/2008 11:30:00	Exempt: tier status	Excluded
Alaskan Command	02/03/2008 11:51:00	Exempt: tier status	Excluded
Alaskan Command	02/03/2008 12:00:00	Exempt: tier status	Excluded
Alaskan Command	02/03/2008 12:14:00	Exempt: tier status	Excluded
Alaskan Command	02/03/2008 21:36:00	Exempt: tier status	Excluded
Alaskan Command	02/03/2008 21:45:00	Exempt: tier status	Excluded
Alaskan Command	02/03/2008 22:00:00	Exempt: tier status	Excluded
Alaskan Command	02/03/2008 22:30:00	Exempt: tier status	Excluded
Alaskan Command	02/03/2008 23:00:00	Exempt: tier status	Excluded
Alaskan Command	02/03/2008 23:14:00	Exempt: tier status	Excluded
Alaskan Command	02/03/2008 23:30:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 00:00:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 00:00:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 00:30:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 00:53:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 01:00:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 01:12:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 01:30:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 02:00:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 02:30:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 02:46:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 03:00:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 03:30:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 04:00:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 04:30:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 06:30:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 06:51:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 07:00:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 07:30:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 08:00:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 09:00:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 09:30:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 10:00:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 10:09:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 10:15:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 10:30:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 11:00:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 11:08:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 11:14:00	Exempt: tier status	Excluded

Appendix 4. Continued.

Vessel	Observation Date/Time	ABR Verdict	Sea State Verdict
Alaskan Command	02/04/2008 11:30:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 12:00:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 12:30:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 12:47:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 12:53:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 13:00:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 13:30:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 14:00:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 14:30:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 14:49:00	Excluded: buffer filter	Excluded
Alaskan Command	02/04/2008 17:38:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 17:52:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 18:00:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 18:16:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 18:30:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 19:00:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 19:30:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 21:00:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 21:13:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 21:19:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 21:30:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 22:00:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 22:30:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 22:52:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 23:00:00	Exempt: tier status	Excluded
Alaskan Command	02/04/2008 23:30:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 00:00:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 00:30:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 00:36:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 01:00:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 01:30:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 02:00:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 02:19:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 02:30:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 03:00:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 03:30:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 04:00:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 04:16:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 04:30:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 05:00:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 05:30:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 06:00:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 06:10:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 06:24:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 06:30:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 07:00:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 07:30:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 07:40:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 08:00:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 08:13:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 08:30:00	Exempt: tier status	Excluded

Appendix 4. Continued.

Vessel	Observation Date/Time	ABR Verdict	Sea State Verdict
Alaskan Command	02/05/2008 09:00:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 09:19:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 09:30:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 09:47:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 10:00:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 10:30:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 11:00:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 11:30:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 12:00:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 12:30:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 12:43:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 12:49:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 13:00:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 13:06:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 13:30:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 14:00:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 14:11:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 14:16:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 14:22:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 14:30:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 15:00:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 15:30:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 15:50:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 16:00:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 16:19:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 16:30:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 17:00:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 17:30:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 17:35:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 17:41:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 18:00:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 18:00:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 18:30:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 19:00:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 19:18:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 19:30:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 19:46:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 20:00:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 20:30:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 21:00:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 21:30:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 22:00:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 22:30:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 22:35:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 23:00:00	Exempt: tier status	Excluded
Alaskan Command	02/05/2008 23:30:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 00:00:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 00:14:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 01:00:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 01:30:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 02:00:00	Exempt: tier status	Excluded

Appendix 4. Continued.

Vessel	Observation Date/Time	ABR Verdict	Sea State Verdict
Alaskan Command	02/06/2008 02:30:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 03:30:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 04:00:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 04:08:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 04:18:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 04:30:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 05:00:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 05:30:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 05:47:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 06:00:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 06:06:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 06:30:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 07:00:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 07:30:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 07:40:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 07:49:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 08:00:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 08:30:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 09:00:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 09:10:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 09:24:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 09:30:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 10:00:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 10:30:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 10:39:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 10:48:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 11:00:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 11:30:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 12:00:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 12:13:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 12:22:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 12:30:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 12:41:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 13:00:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 13:30:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 14:00:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 14:30:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 15:00:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 15:30:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 15:37:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 15:43:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 16:00:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 16:30:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 17:00:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 17:16:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 17:22:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 17:30:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 17:39:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 18:00:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 18:30:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 19:00:00	Exempt: tier status	Excluded

Appendix 4. Continued.

Vessel	Observation Date/Time	ABR Verdict	Sea State Verdict
Alaskan Command	02/06/2008 19:18:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 19:30:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 20:00:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 20:30:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 20:43:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 21:00:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 21:30:00	Excluded: manual review, vessel running	Excluded
Alaskan Command	02/06/2008 22:00:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 22:07:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 22:16:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 22:30:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 23:00:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 23:30:00	Exempt: tier status	Excluded
Alaskan Command	02/06/2008 23:51:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 00:00:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 00:30:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 01:00:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 01:30:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 02:00:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 02:30:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 03:00:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 03:30:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 04:00:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 04:05:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 04:30:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 05:00:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 05:30:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 05:38:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 05:48:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 06:00:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 06:30:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 07:00:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 07:17:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 07:30:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 08:00:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 08:30:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 09:00:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 09:06:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 09:30:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 10:00:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 10:30:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 10:35:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 11:00:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 11:30:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 12:00:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 12:30:00	Exempt: tier status	Excluded
Alaskan Command	02/07/2008 13:00:00	Excluded: speed filter	Excluded
Alaskan Command	02/07/2008 13:30:00	Excluded: speed filter	Excluded
Alaskan Command	02/26/2008 00:00:00	Excluded: manual review, vessel running	Excluded

Appendix 4. Continued.

Vessel	Observation Date/Time	ABR Verdict	Sea State Verdict
Alaskan Command	02/26/2008 00:30:00	Excluded: speed filter	Excluded
Alaskan Command	02/26/2008 00:51:00	Excluded: speed filter	Excluded
Alaskan Command	02/26/2008 01:00:00	Excluded: speed filter	Excluded
Aldebaran	02/13/2008 10:30:00	Excluded: speed filter	Excluded
Aldebaran	02/13/2008 11:00:00	Excluded: speed filter	Excluded
Aldebaran	02/13/2008 11:07:00	Excluded: speed filter	Excluded
Aldebaran	02/13/2008 11:15:00	Excluded: speed filter	Excluded
Aldebaran	02/13/2008 11:23:00	Excluded: speed filter	Excluded
Aldebaran	02/13/2008 11:30:00	Excluded: speed filter	Excluded
Aldebaran	02/13/2008 11:35:00	Excluded: speed filter	Excluded
Alsea	02/21/2008 19:30:00	Excluded: buffer filter	Excluded
Alsea	02/21/2008 20:30:00	Exempt: tier status	Excluded
Alsea	02/21/2008 21:00:00	Exempt: tier status	Excluded
Alsea	02/21/2008 21:19:00	Exempt: tier status	Excluded
Alsea	02/21/2008 21:30:00	Exempt: tier status	Excluded
Alsea	02/21/2008 22:00:00	Exempt: tier status	Excluded
Alsea	02/21/2008 22:30:00	Exempt: tier status	Excluded
Alsea	02/21/2008 23:00:00	Exempt: tier status	Excluded
Alsea	02/21/2008 23:30:00	Exempt: tier status	Excluded
Alsea	02/22/2008 00:00:00	Exempt: tier status	Excluded
Alsea	02/22/2008 00:30:00	Exempt: tier status	Excluded
Alsea	02/22/2008 00:46:00	Exempt: tier status	Excluded
Alsea	02/24/2008 03:30:00	Exempt: tier status	Excluded
Alsea	02/24/2008 04:00:00	Exempt: tier status	Excluded
Alsea	02/24/2008 04:23:00	Exempt: tier status	Excluded
Alsea	02/24/2008 04:30:00	Exempt: tier status	Excluded
Alyeska	02/22/2008 05:58:21	Excluded: speed filter	Excluded
Alyeska	02/22/2008 06:32:00	Excluded: speed filter	Excluded
Alyeska	02/22/2008 07:06:00	Excluded: speed filter	Excluded
Alyeska	02/22/2008 07:38:00	Excluded: speed filter	Excluded
Alyeska	02/22/2008 08:16:38	Excluded: speed filter	Excluded
American Dynasty	02/19/2008 19:54:00	Exempt: tier status	Excluded
American Dynasty	02/19/2008 20:00:00	Exempt: tier status	Excluded
American Dynasty	02/19/2008 20:30:00	Exempt: tier status	Excluded
American Dynasty	02/19/2008 20:41:00	Exempt: tier status	Excluded
American Dynasty	02/19/2008 21:00:00	Exempt: tier status	Excluded
American Dynasty	02/19/2008 21:30:00	Exempt: tier status	Excluded
American Dynasty	02/19/2008 22:00:00	Exempt: tier status	Excluded
American Dynasty	02/19/2008 22:11:00	Exempt: tier status	Excluded
American Dynasty	02/19/2008 22:30:00	Exempt: tier status	Excluded
American Dynasty	02/19/2008 22:54:00	Exempt: tier status	Excluded
American Dynasty	02/19/2008 23:00:00	Exempt: tier status	Excluded
American Dynasty	02/20/2008 00:30:00	Exempt: tier status	Excluded
American Dynasty	02/20/2008 01:00:00	Exempt: tier status	Excluded
American Dynasty	02/20/2008 01:30:00	Exempt: tier status	Excluded
American Dynasty	02/20/2008 01:43:00	Exempt: tier status	Excluded
American Dynasty	02/20/2008 02:00:00	Exempt: tier status	Excluded
American Dynasty	02/20/2008 02:30:00	Exempt: tier status	Excluded
American Dynasty	02/20/2008 03:00:00	Exempt: tier status	Excluded
American Dynasty	02/20/2008 03:22:00	Exempt: tier status	Excluded
American Dynasty	02/20/2008 03:30:00	Exempt: tier status	Excluded

Appendix 4. Continued.

Vessel	Observation Date/Time	ABR Verdict	Sea State Verdict
American Eagle	09/04/2008 02:30:00	Excluded: speed filter	Excluded
American Eagle	09/04/2008 03:00:00	Excluded: speed filter	Excluded
American Eagle	09/04/2008 03:30:00	Excluded: speed filter	Excluded
American Eagle	09/04/2008 03:39:00	Excluded: speed filter	Excluded
American Eagle	09/04/2008 03:49:00	Excluded: speed filter	Excluded
American Eagle	09/04/2008 04:00:00	Excluded: speed filter	Excluded
American Eagle	09/04/2008 04:30:00	Excluded: speed filter	Excluded
American Eagle	09/04/2008 05:00:00	Excluded: speed filter	Excluded
American Eagle	09/04/2008 05:22:00	Excluded: speed filter	Excluded
American Eagle	09/04/2008 05:30:00	Excluded: speed filter	Excluded
American Eagle	09/04/2008 07:30:00	Excluded: speed filter	Excluded
American Eagle	09/04/2008 08:00:00	Excluded: speed filter	Excluded
American Eagle	09/04/2008 08:11:00	Excluded: speed filter	Excluded
American Eagle	09/04/2008 08:30:00	Excluded: speed filter	Excluded
American Eagle	09/04/2008 08:39:00	Excluded: speed filter	Excluded
American Eagle	09/04/2008 08:54:00	Excluded: speed filter	Excluded
American Eagle	09/04/2008 09:00:00	Excluded: speed filter	Excluded
American Eagle	09/04/2008 09:30:00	Excluded: speed filter	Excluded
American Eagle	09/04/2008 09:41:00	Excluded: speed filter	Excluded
American Eagle	09/04/2008 10:00:00	Excluded: speed filter	Excluded
American Eagle	09/04/2008 10:23:00	Excluded: speed filter	Excluded
American Eagle	09/04/2008 10:30:00	Excluded: speed filter	Excluded
American Eagle	09/04/2008 10:37:00	Excluded: speed filter	Excluded
American Triumph	02/20/2008 00:30:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 01:00:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 01:30:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 01:44:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 02:00:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 03:00:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 03:23:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 03:30:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 04:00:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 04:30:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 04:38:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 10:30:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 10:36:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 11:00:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 11:22:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 11:30:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 11:41:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 11:51:00	Exempt: tier status	Exempt: tier status
American Triumph	02/20/2008 12:00:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 12:10:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 12:30:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 13:00:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 13:06:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 13:20:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 13:30:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 13:39:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 14:00:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 14:30:00	Exempt: tier status	Excluded

Appendix 4. Continued.

Vessel	Observation Date/Time	ABR Verdict	Sea State Verdict
American Triumph	02/20/2008 14:35:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 14:45:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 14:59:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 15:00:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 15:13:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 15:22:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 15:30:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 16:00:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 16:19:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 18:00:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 18:30:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 23:00:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 23:19:00	Exempt: tier status	Excluded
American Triumph	02/20/2008 23:30:00	Exempt: tier status	Excluded
American Triumph	02/21/2008 00:00:00	Exempt: tier status	Excluded
Arctic Explorer	02/09/2008 11:30:00	Excluded: speed filter	Excluded
Arctic Explorer	02/09/2008 12:00:00	Excluded: speed filter	Excluded
Arctic Explorer	02/09/2008 12:30:00	Excluded: speed filter	Excluded
Arctic Explorer	02/09/2008 12:46:00	Excluded: speed filter	Excluded
Arctic Explorer	02/10/2008 13:21:00	Excluded: speed filter	Excluded
Arctic Explorer	02/10/2008 13:30:00	Excluded: speed filter	Excluded
Arctic Explorer	02/10/2008 14:00:00	Excluded: speed filter	Excluded
Arctic Explorer	03/07/2008 02:00:00	Excluded: speed filter	Excluded
Arctic Explorer	03/07/2008 02:30:00	Excluded: speed filter	Excluded
Arctic Explorer	03/07/2008 03:00:00	Excluded: speed filter	Excluded
Arctic Explorer	03/08/2008 17:30:00	Excluded: speed filter	Excluded
Arctic Explorer	03/08/2008 17:53:00	Excluded: speed filter	Excluded
Arcturus	09/19/2008 20:54:00	Excluded: speed filter	Excluded
Arcturus	09/19/2008 21:00:00	Excluded: speed filter	Excluded
Bering Rose	02/15/2008 08:30:00	Exempt: tier status	Excluded
Caitlin Ann	09/30/2008 00:30:00	Exempt: tier status	Excluded
Caitlin Ann	09/30/2008 01:00:00	Exempt: tier status	Excluded
Caitlin Ann	09/30/2008 01:16:00	Exempt: tier status	Excluded
Caitlin Ann	09/30/2008 01:30:00	Exempt: tier status	Excluded
Chelsea K	01/31/2008 13:23:00	Excluded: speed filter	Excluded
Chelsea K	01/31/2008 13:30:00	Excluded: speed filter	Excluded
Chelsea K	01/31/2008 13:37:00	Excluded: speed filter	Excluded
Chelsea K	01/31/2008 14:00:00	Excluded: speed filter	Excluded
Chelsea K	02/01/2008 21:00:00	Excluded: speed filter	Excluded
Chelsea K	02/01/2008 21:14:00	Excluded: speed filter	Excluded
Chelsea K	02/01/2008 21:30:00	Excluded: speed filter	Excluded
Defender	02/07/2008 04:00:00	Excluded: speed filter	Excluded
Defender	02/07/2008 04:06:00	Excluded: speed filter	Excluded
Defender	02/07/2008 04:30:00	Excluded: speed filter	Excluded
Defender	02/07/2008 05:00:00	Excluded: speed filter	Excluded
Defender	02/07/2008 05:30:00	Excluded: speed filter	Excluded
Defender	02/07/2008 05:40:00	Excluded: speed filter	Excluded
Defender	02/07/2008 06:00:00	Excluded: speed filter	Excluded
Defender	02/09/2008 22:30:00	Excluded: speed filter	Excluded
Defender	02/09/2008 22:37:00	Excluded: speed filter	Excluded
Defender	02/09/2008 22:46:00	Excluded: speed filter	Excluded

Appendix 4. Continued.

Vessel	Observation Date/Time	ABR Verdict	Sea State Verdict
Defender	02/09/2008 23:00:00	Excluded: speed filter	Excluded
Dominator	03/06/2008 10:46:00	Exempt: tier status	Excluded
Dominator	03/06/2008 11:00:00	Exempt: tier status	Excluded
Dominator	03/06/2008 11:05:00	Exempt: tier status	Excluded
Dominator	03/06/2008 11:30:00	Exempt: tier status	Excluded
Dominator	03/06/2008 11:47:00	Exempt: tier status	Excluded
Dominator	03/06/2008 12:00:00	Exempt: tier status	Excluded
Dominator	03/06/2008 12:30:00	Exempt: tier status	Excluded
Dominator	03/06/2008 22:30:00	Excluded: speed filter	Excluded
Dominator	03/06/2008 23:00:00	Excluded: speed filter	Excluded
Dominator	03/06/2008 23:30:00	Excluded: speed filter	Excluded
Dominator	03/07/2008 00:00:00	Excluded: speed filter	Excluded
Dominator	03/07/2008 00:17:00	Excluded: speed filter	Excluded
Dominator	03/07/2008 00:23:00	Excluded: speed filter	Excluded
Dominator	03/07/2008 00:30:00	Excluded: speed filter	Excluded
Dominator	09/10/2008 00:00:00	Excluded: manual review, vessel running	Excluded: vessel running
Fierce Allegiance	02/21/2008 18:00:00	Exempt: tier status	Excluded
Fierce Allegiance	02/21/2008 18:07:00	Exempt: tier status	Excluded
Fierce Allegiance	02/21/2008 18:17:00	Exempt: tier status	Excluded
Fierce Allegiance	02/21/2008 18:30:00	Exempt: tier status	Excluded
Fierce Allegiance	02/21/2008 19:00:00	Exempt: tier status	Excluded
Fierce Allegiance	02/21/2008 19:23:00	Exempt: tier status	Excluded
Fierce Allegiance	02/21/2008 19:30:00	Exempt: tier status	Excluded
Fierce Allegiance	02/21/2008 19:41:00	Exempt: tier status	Excluded
Fierce Allegiance	02/21/2008 20:00:00	Exempt: tier status	Excluded
Fierce Allegiance	02/21/2008 20:30:00	Exempt: tier status	Excluded
Fierce Allegiance	02/21/2008 21:00:00	Exempt: tier status	Excluded
Fierce Allegiance	02/21/2008 21:11:00	Exempt: tier status	Excluded
Fierce Allegiance	02/21/2008 21:30:00	Exempt: tier status	Excluded
Fierce Allegiance	02/21/2008 21:39:00	Exempt: tier status	Excluded
Gladiator	03/17/2008 08:17:00	Excluded: speed filter	Excluded
Gladiator	03/17/2008 08:30:00	Excluded: speed filter	Excluded
Gladiator	03/17/2008 08:55:00	Excluded: speed filter	Excluded
Gladiator	03/17/2008 09:00:00	Excluded: speed filter	Excluded
Gladiator	03/17/2008 09:09:00	Excluded: speed filter	Excluded
Gladiator	03/17/2008 09:30:00	Excluded: speed filter	Excluded
Gladiator	03/17/2008 09:37:00	Excluded: speed filter	Excluded
Gladiator	03/17/2008 10:00:00	Excluded: speed filter	Excluded
Golden Dawn	07/06/2008 17:30:00	Excluded: speed filter	Excluded
Golden Dawn	07/06/2008 18:00:00	Excluded: speed filter	Excluded
Golden Dawn	07/06/2008 18:20:00	Excluded: speed filter	Excluded
Golden Dawn	07/06/2008 18:30:00	Excluded: speed filter	Excluded
Golden Dawn	07/06/2008 19:00:00	Excluded: speed filter	Excluded
Golden Dawn	07/06/2008 19:30:00	Excluded: speed filter	Excluded
Majesty	07/15/2008 17:30:00	Excluded: logbook review, not fishing	Excluded: logbook review, not fishing
Majesty	07/15/2008 18:00:00	Excluded: logbook review, not fishing	Excluded: logbook review, not fishing
Northern Hawk	02/15/2008 05:30:00	Exempt: tier status	Excluded

Appendix 4. Continued.

Vessel	Observation Date/Time	ABR Verdict	Sea State Verdict
Northern Hawk	02/15/2008 05:43:00	Exempt: tier status	Excluded
Northern Hawk	02/15/2008 05:52:00	Exempt: tier status	Excluded
Northern Hawk	02/15/2008 06:00:00	Exempt: tier status	Excluded
Northern Hawk	02/15/2008 06:06:00	Exempt: tier status	Excluded
Northern Patriot	02/19/2008 20:49:00	Exempt: tier status	Excluded
Northern Patriot	02/19/2008 21:00:00	Exempt: tier status	Excluded
Northern Patriot	02/19/2008 22:00:00	Exempt: tier status	Excluded
Northern Patriot	02/19/2008 23:00:00	Exempt: tier status	Excluded
Northern Patriot	02/21/2008 22:00:00	Exempt: tier status	Excluded
Northern Patriot	02/21/2008 22:08:00	Exempt: tier status	Excluded
Northern Patriot	02/21/2008 23:00:00	Exempt: tier status	Excluded
Northern Patriot	02/22/2008 00:00:00	Exempt: tier status	Excluded
(Removed)	03/14/2008 18:00:00	Possible violation	Possible violation
(Removed)	03/14/2008 18:30:00	Possible violation	Possible violation
(Removed)	03/14/2008 18:47:00	Possible violation	Possible violation
Pacific Explorer	02/01/2008 09:30:00	Excluded: speed filter	Excluded
Pacific Explorer	02/01/2008 09:43:00	Excluded: speed filter	Excluded
Pacific Explorer	02/01/2008 09:52:00	Excluded: speed filter	Excluded
Pacific Explorer	02/01/2008 10:00:00	Excluded: speed filter	Excluded
Pacific Explorer	02/01/2008 10:06:00	Excluded: speed filter	Excluded
Pacific Explorer	02/03/2008 06:21:00	Excluded: speed filter	Excluded
Pacific Explorer	02/03/2008 06:30:00	Excluded: speed filter	Excluded
Pacific Explorer	02/03/2008 07:00:00	Excluded: speed filter	Excluded
Pacific Explorer	02/03/2008 07:17:00	Excluded: speed filter	Excluded
Pacific Explorer	02/03/2008 07:30:00	Excluded: speed filter	Excluded
Pacific Explorer	02/03/2008 08:00:00	Excluded: speed filter	Excluded
Pacific Explorer	02/03/2008 08:09:00	Excluded: speed filter	Excluded
Pacific Explorer	02/03/2008 08:30:00	Excluded: speed filter	Excluded
Pacific Explorer	09/12/2008 02:00:00	Excluded: speed filter	Excluded
Pacific Explorer	09/12/2008 02:17:00	Excluded: speed filter	Excluded
Pacific Explorer	09/12/2008 02:32:00	Excluded: speed filter	Excluded
Pacific Explorer	09/12/2008 03:00:00	Excluded: speed filter	Excluded
Pacific Explorer	09/12/2008 03:30:00	Excluded: speed filter	Excluded
Pacific Prince	02/23/2008 07:00:00	Excluded: speed filter	Excluded
Pacific Prince	02/23/2008 07:23:00	Excluded: speed filter	Excluded
Pacific Prince	02/23/2008 07:30:00	Excluded: speed filter	Excluded
Pacific Prince	02/23/2008 07:42:00	Excluded: speed filter	Excluded
Pacific Prince	02/23/2008 08:00:00	Excluded: speed filter	Excluded
Pacific Prince	02/24/2008 14:23:00	Excluded: speed filter	Excluded
Pacific Prince	02/24/2008 14:30:00	Excluded: speed filter	Excluded
Pacific Prince	02/24/2008 15:00:00	Excluded: speed filter	Excluded
Pacific Prince	03/04/2008 13:30:00	Excluded: speed filter	Excluded
Pacific Prince	03/04/2008 13:36:00	Excluded: speed filter	Excluded
Pacific Prince	03/04/2008 13:46:00	Excluded: speed filter	Excluded
Pacific Prince	03/04/2008 14:00:00	Excluded: speed filter	Excluded
Pacific Prince	03/04/2008 14:24:00	Excluded: speed filter	Excluded
Pacific Prince	03/04/2008 14:30:00	Excluded: speed filter	Excluded
Pacific Prince	03/07/2008 19:51:00	Excluded: speed filter	Excluded
Pacific Prince	03/07/2008 20:00:00	Excluded: speed filter	Excluded
Pacific Prince	03/07/2008 20:20:00	Excluded: speed filter	Excluded
Pacific Prince	03/07/2008 20:30:00	Excluded: speed filter	Excluded

Appendix 4. Continued.

Vessel	Observation Date/Time	ABR Verdict	Sea State Verdict
Pacific Prince	03/07/2008 20:39:00	Excluded: speed filter	Excluded
Progress	02/04/2008 12:43:00	Exempt: tier status	Excluded
Progress	02/04/2008 12:52:00	Exempt: tier status	Excluded
Progress	02/04/2008 13:00:00	Exempt: tier status	Excluded
Progress	02/04/2008 13:06:00	Exempt: tier status	Excluded
Progress	02/04/2008 13:30:00	Exempt: tier status	Excluded
Progress	02/04/2008 13:42:00	Exempt: tier status	Excluded
Progress	02/04/2008 14:00:00	Exempt: tier status	Excluded
Progress	02/04/2008 14:20:00	Exempt: tier status	Excluded
Progress	02/04/2008 14:30:00	Exempt: tier status	Excluded
Progress	02/04/2008 14:36:00	Exempt: tier status	Excluded
Progress	02/04/2008 14:45:00	Exempt: tier status	Excluded
Progress	02/04/2008 14:52:00	Exempt: tier status	Excluded
Progress	02/04/2008 14:56:53	Exempt: tier status	Excluded
Progress	02/04/2008 15:00:00	Exempt: tier status	Excluded
Progress	02/04/2008 15:09:00	Exempt: tier status	Excluded
Progress	02/04/2008 15:30:00	Exempt: tier status	Excluded
Progress	02/04/2008 15:33:15	Exempt: tier status	Excluded
Progress	02/04/2008 16:00:00	Exempt: tier status	Excluded
Progress	02/04/2008 16:04:00	Exempt: tier status	Excluded
Progress	02/04/2008 16:05:39	Exempt: tier status	Excluded
Progress	02/04/2008 16:07:02	Exempt: tier status	Excluded
Progress	02/04/2008 16:10:00	Exempt: tier status	Excluded
Progress	02/04/2008 16:22:48	Exempt: tier status	Excluded
Progress	02/04/2008 16:23:05	Exempt: tier status	Excluded
Progress	02/04/2008 16:23:39	Exempt: tier status	Excluded
Progress	02/04/2008 16:30:00	Exempt: tier status	Excluded
Progress	02/04/2008 16:39:55	Exempt: tier status	Excluded
Progress	02/04/2008 16:47:00	Exempt: tier status	Excluded
Progress	02/04/2008 17:00:00	Exempt: tier status	Excluded
Progress	02/04/2008 17:12:00	Exempt: tier status	Excluded
Progress	02/04/2008 17:30:00	Exempt: tier status	Excluded
Progress	02/04/2008 17:38:00	Exempt: tier status	Excluded
Progress	02/04/2008 17:39:00	Exempt: tier status	Excluded
Progress	02/04/2008 17:49:00	Exempt: tier status	Excluded
Progress	02/04/2008 18:00:00	Exempt: tier status	Excluded
Progress	02/04/2008 18:08:55	Exempt: tier status	Excluded
Progress	02/04/2008 18:17:00	Exempt: tier status	Excluded
Progress	02/04/2008 18:30:00	Exempt: tier status	Excluded
Progress	02/04/2008 18:50:00	Exempt: tier status	Excluded
Progress	02/04/2008 19:00:00	Exempt: tier status	Excluded
Progress	02/04/2008 19:01:47	Exempt: tier status	Excluded
Progress	02/04/2008 19:02:05	Exempt: tier status	Excluded
Progress	02/04/2008 19:35:05	Exempt: tier status	Excluded
Progress	02/04/2008 20:04:00	Exempt: tier status	Excluded
Progress	02/04/2008 20:31:00	Exempt: tier status	Excluded
Progress	02/04/2008 20:40:00	Exempt: tier status	Excluded
Progress	02/04/2008 21:21:35	Exempt: tier status	Excluded
Progress	02/04/2008 21:50:00	Exempt: tier status	Excluded
Progress	02/04/2008 22:24:00	Exempt: tier status	Excluded
Progress	02/04/2008 22:31:00	Exempt: tier status	Excluded

Appendix 4. Continued.

Vessel	Observation Date/Time	ABR Verdict	Sea State Verdict
Progress	02/04/2008 22:52:00	Exempt: tier status	Excluded
Progress	02/04/2008 23:00:00	Exempt: tier status	Excluded
Progress	02/04/2008 23:33:04	Exempt: tier status	Excluded
Progress	02/05/2008 00:11:00	Exempt: tier status	Excluded
Progress	02/05/2008 00:31:00	Exempt: tier status	Excluded
Progress	02/05/2008 00:38:00	Exempt: tier status	Excluded
Progress	02/05/2008 01:08:00	Exempt: tier status	Excluded
Progress	02/05/2008 01:50:54	Exempt: tier status	Excluded
Progress	02/05/2008 02:00:00	Exempt: tier status	Excluded
Progress	02/05/2008 02:21:15	Exempt: tier status	Excluded
Progress	02/05/2008 02:30:00	Exempt: tier status	Excluded
Progress	02/05/2008 02:48:00	Exempt: tier status	Excluded
Progress	02/05/2008 02:49:00	Exempt: tier status	Excluded
Progress	02/05/2008 03:32:00	Exempt: tier status	Excluded
Progress	02/05/2008 03:58:00	Exempt: tier status	Excluded
Progress	02/05/2008 04:01:00	Exempt: tier status	Excluded
Progress	02/05/2008 04:36:00	Exempt: tier status	Excluded
Progress	02/05/2008 05:02:00	Exempt: tier status	Excluded
Progress	02/05/2008 05:33:00	Exempt: tier status	Excluded
Progress	02/05/2008 05:41:09	Exempt: tier status	Excluded
Progress	02/05/2008 06:39:34	Exempt: tier status	Excluded
Progress	02/05/2008 07:09:43	Exempt: tier status	Excluded
Progress	02/05/2008 07:12:00	Exempt: tier status	Excluded
Progress	02/05/2008 07:30:00	Exempt: tier status	Excluded
Progress	02/05/2008 07:39:00	Exempt: tier status	Excluded
Progress	02/05/2008 07:44:00	Exempt: tier status	Excluded
Progress	02/05/2008 08:00:00	Exempt: tier status	Excluded
Progress	02/05/2008 08:06:00	Exempt: tier status	Excluded
Progress	02/05/2008 08:14:00	Exempt: tier status	Excluded
Progress	02/05/2008 08:20:00	Exempt: tier status	Excluded
Progress	02/05/2008 08:30:00	Exempt: tier status	Excluded
Progress	02/05/2008 08:48:00	Exempt: tier status	Excluded
Progress	02/05/2008 09:00:00	Exempt: tier status	Excluded
Progress	02/05/2008 09:17:53	Exempt: tier status	Excluded
Progress	02/05/2008 09:18:00	Exempt: tier status	Excluded
Progress	02/05/2008 09:49:45	Exempt: tier status	Excluded
Progress	02/05/2008 10:24:00	Exempt: tier status	Excluded
Progress	02/05/2008 10:56:00	Exempt: tier status	Excluded
Progress	02/05/2008 11:00:00	Exempt: tier status	Excluded
Progress	02/05/2008 11:01:00	Exempt: tier status	Excluded
Progress	02/05/2008 11:30:00	Exempt: tier status	Excluded
Progress	02/05/2008 13:01:00	Exempt: tier status	Excluded
Progress	02/05/2008 13:30:00	Exempt: tier status	Excluded
Progress	02/05/2008 14:00:00	Exempt: tier status	Excluded
Progress	02/05/2008 14:24:00	Exempt: tier status	Excluded
Progress	02/05/2008 14:26:13	Exempt: tier status	Excluded
Progress	02/05/2008 14:30:00	Exempt: tier status	Excluded
Progress	02/05/2008 14:38:00	Exempt: tier status	Excluded
Progress	02/05/2008 14:42:00	Exempt: tier status	Excluded
Progress	02/05/2008 15:00:00	Exempt: tier status	Excluded
Progress	02/05/2008 15:14:00	Exempt: tier status	Excluded

Appendix 4. Continued.

Vessel	Observation Date/Time	ABR Verdict	Sea State Verdict
Progress	02/05/2008 15:16:36	Exempt: tier status	Excluded
Progress	02/05/2008 15:30:00	Exempt: tier status	Excluded
Progress	02/05/2008 15:33:07	Exempt: tier status	Excluded
Progress	02/05/2008 15:33:15	Exempt: tier status	Excluded
Progress	02/05/2008 16:00:00	Exempt: tier status	Excluded
Progress	02/05/2008 16:10:00	Exempt: tier status	Excluded
Progress	02/05/2008 16:30:00	Exempt: tier status	Excluded
Progress	02/05/2008 16:44:00	Exempt: tier status	Excluded
Progress	02/05/2008 17:00:00	Exempt: tier status	Excluded
Progress	02/05/2008 17:18:00	Exempt: tier status	Excluded
Progress	02/05/2008 17:30:00	Exempt: tier status	Excluded
Progress	02/05/2008 17:38:00	Exempt: tier status	Excluded
Progress	02/05/2008 17:52:00	Exempt: tier status	Excluded
Progress	02/05/2008 17:55:18	Exempt: tier status	Excluded
Progress	02/05/2008 17:55:30	Exempt: tier status	Excluded
Progress	02/05/2008 18:29:41	Exempt: tier status	Excluded
Progress	02/05/2008 18:30:00	Exempt: tier status	Excluded
Progress	02/05/2008 19:00:00	Exempt: tier status	Excluded
Progress	02/05/2008 19:04:00	Exempt: tier status	Excluded
Progress	02/05/2008 19:17:00	Exempt: tier status	Excluded
Progress	02/05/2008 19:30:00	Exempt: tier status	Excluded
Progress	02/05/2008 19:34:00	Exempt: tier status	Excluded
Progress	02/05/2008 19:35:00	Exempt: tier status	Excluded
Progress	02/05/2008 20:00:00	Exempt: tier status	Excluded
Progress	02/05/2008 20:08:00	Exempt: tier status	Excluded
Progress	02/05/2008 20:30:00	Exempt: tier status	Excluded
Progress	02/05/2008 20:42:00	Exempt: tier status	Excluded
Progress	02/05/2008 21:09:34	Exempt: tier status	Excluded
Progress	02/05/2008 22:20:00	Exempt: tier status	Excluded
Progress	02/05/2008 22:33:00	Exempt: tier status	Excluded
Progress	02/05/2008 22:48:00	Exempt: tier status	Excluded
Progress	02/05/2008 23:31:13	Exempt: tier status	Excluded
Progress	02/06/2008 00:06:00	Exempt: tier status	Excluded
Progress	02/06/2008 00:14:00	Exempt: tier status	Excluded
Progress	02/06/2008 00:21:00	Exempt: tier status	Excluded
Progress	02/06/2008 00:32:48	Exempt: tier status	Excluded
Progress	02/06/2008 01:16:39	Exempt: tier status	Excluded
Progress	02/06/2008 01:52:00	Exempt: tier status	Excluded
Progress	02/06/2008 02:20:00	Exempt: tier status	Excluded
Progress	02/06/2008 09:00:00	Exempt: tier status	Excluded
Progress	02/06/2008 09:12:00	Exempt: tier status	Excluded
Progress	02/06/2008 09:21:00	Exempt: tier status	Excluded
Progress	02/06/2008 09:30:00	Exempt: tier status	Excluded
Progress	02/06/2008 09:40:00	Exempt: tier status	Excluded
Progress	02/06/2008 10:00:00	Exempt: tier status	Excluded
Progress	02/06/2008 10:11:59	Exempt: tier status	Excluded
Progress	02/06/2008 10:50:00	Exempt: tier status	Excluded
Progress	02/06/2008 11:00:00	Exempt: tier status	Excluded
Progress	02/06/2008 11:30:00	Exempt: tier status	Excluded
Progress	02/06/2008 12:00:00	Exempt: tier status	Excluded
Progress	02/06/2008 12:30:00	Exempt: tier status	Excluded

Appendix 4. Continued.

Vessel	Observation Date/Time	ABR Verdict	Sea State Verdict
Progress	02/06/2008 13:00:00	Exempt: tier status	Excluded
Progress	02/06/2008 13:30:00	Exempt: tier status	Excluded
Progress	02/06/2008 14:00:00	Exempt: tier status	Excluded
Progress	02/06/2008 14:09:00	Exempt: tier status	Excluded
Progress	02/06/2008 14:18:00	Exempt: tier status	Excluded
Progress	02/06/2008 14:30:00	Exempt: tier status	Excluded
Progress	02/06/2008 15:00:00	Exempt: tier status	Excluded
Progress	02/06/2008 15:22:52	Exempt: tier status	Excluded
Progress	02/06/2008 15:23:47	Exempt: tier status	Excluded
Progress	02/06/2008 15:30:00	Exempt: tier status	Excluded
Progress	02/06/2008 15:38:00	Exempt: tier status	Excluded
Progress	02/06/2008 15:48:00	Exempt: tier status	Excluded
Progress	02/06/2008 15:57:21	Exempt: tier status	Excluded
Progress	02/06/2008 16:00:00	Exempt: tier status	Excluded
Progress	02/06/2008 16:24:00	Exempt: tier status	Excluded
Progress	02/06/2008 16:30:00	Exempt: tier status	Excluded
Progress	02/06/2008 17:00:00	Exempt: tier status	Excluded
Progress	02/06/2008 17:06:59	Exempt: tier status	Excluded
Progress	02/06/2008 17:22:00	Exempt: tier status	Excluded
Progress	02/06/2008 17:30:00	Exempt: tier status	Excluded
Progress	02/06/2008 17:41:00	Exempt: tier status	Excluded
Progress	02/06/2008 17:44:01	Exempt: tier status	Excluded
Progress	02/06/2008 18:00:00	Exempt: tier status	Excluded
Progress	02/06/2008 18:16:00	Exempt: tier status	Excluded
Progress	02/06/2008 18:30:00	Exempt: tier status	Excluded
Progress	02/06/2008 18:44:00	Exempt: tier status	Excluded
Progress	02/06/2008 18:52:00	Exempt: tier status	Excluded
Progress	02/06/2008 19:00:00	Exempt: tier status	Excluded
Progress	02/06/2008 19:14:00	Exempt: tier status	Excluded
Progress	02/06/2008 19:20:00	Exempt: tier status	Excluded
Progress	02/06/2008 19:30:00	Exempt: tier status	Excluded
Progress	02/06/2008 19:46:00	Exempt: tier status	Excluded
Progress	02/06/2008 20:00:00	Exempt: tier status	Excluded
Progress	02/06/2008 20:21:48	Excluded: speed filter	Excluded
Progress	02/06/2008 20:30:00	Excluded: speed filter	Excluded
Progress	02/08/2008 02:30:00	Excluded: manual review, vessel running	Excluded
Progress	02/08/2008 02:32:00	Excluded: manual review, vessel running	Excluded
Progress	02/08/2008 03:00:00	Excluded: manual review, vessel running	Excluded
Progress	02/08/2008 03:09:03	Excluded: manual review, vessel running	Excluded
Progress	02/08/2008 03:24:00	Excluded: speed filter	Excluded
Progress	02/08/2008 03:30:00	Excluded: manual review, vessel running	Excluded
Progress	02/10/2008 00:00:00	Excluded: speed filter	Excluded
Progress	02/10/2008 00:13:00	Excluded: manual review, vessel running	Excluded

Appendix 4. Continued.

Vessel	Observation Date/Time	ABR Verdict	Sea State Verdict
Progress	02/10/2008 00:22:56	Excluded: manual review, vessel running	Excluded: logbook review, not fishing
Progress	02/10/2008 00:30:00	Excluded: speed filter	Excluded
Progress	02/10/2008 00:49:23	Excluded: speed filter	Excluded
Progress	02/10/2008 01:00:00	Excluded: speed filter	Excluded
Seadawn	10/14/2008 22:30:00	Excluded: speed filter	Excluded
Seadawn	10/14/2008 22:47:00	Excluded: speed filter	Excluded
Seadawn	10/14/2008 23:00:00	Excluded: speed filter	Excluded
Seadawn	10/14/2008 23:30:00	Excluded: speed filter	Excluded
Seadawn	10/15/2008 16:30:00	Excluded: speed filter	Excluded
Seadawn	10/15/2008 17:39:00	Excluded: speed filter	Excluded
Seadawn	10/15/2008 18:00:00	Excluded: speed filter	Excluded
Seadawn	10/15/2008 18:12:00	Excluded: speed filter	Excluded
Seadawn	10/17/2008 17:30:00	Excluded: speed filter	Excluded
Seadawn	10/17/2008 17:51:00	Excluded: speed filter	Excluded
Seadawn	10/17/2008 18:00:00	Excluded: manual review, vessel running	Excluded
Seadawn	10/18/2008 02:43:00	Excluded: speed filter	Excluded
Seadawn	10/18/2008 03:00:00	Excluded: speed filter	Excluded
Seadawn	10/18/2008 03:30:00	Excluded: speed filter	Excluded
Seadawn	10/18/2008 04:00:00	Excluded: speed filter	Excluded
Seadawn	10/18/2008 04:22:00	Excluded: speed filter	Excluded
Seadawn	10/18/2008 04:30:00	Excluded: speed filter	Excluded
Seattle Enterprise	02/21/2008 10:00:00	Exempt: tier status	Excluded
Seattle Enterprise	02/21/2008 10:30:00	Exempt: tier status	Excluded
Seattle Enterprise	02/21/2008 11:00:00	Exempt: tier status	Excluded
Seattle Enterprise	02/21/2008 11:17:00	Exempt: tier status	Excluded
Sea Wolf	02/01/2008 11:00:00	Excluded: speed filter	Excluded
Sea Wolf	02/01/2008 11:20:00	Excluded: speed filter	Excluded
Sea Wolf	02/01/2008 11:30:00	Excluded: speed filter	Excluded
Sea Wolf	02/03/2008 20:00:00	Exempt: tier status	Excluded
Sea Wolf	02/03/2008 20:05:00	Exempt: tier status	Excluded
Sea Wolf	02/03/2008 20:32:00	Exempt: tier status	Excluded
Sea Wolf	02/03/2008 21:00:00	Exempt: tier status	Excluded
Sea Wolf	02/03/2008 21:30:00	Exempt: tier status	Excluded
Sea Wolf	02/03/2008 22:00:00	Exempt: tier status	Excluded
Sea Wolf	02/03/2008 22:30:00	Exempt: tier status	Excluded
Sea Wolf	02/03/2008 23:00:00	Exempt: tier status	Excluded
Sea Wolf	02/03/2008 23:18:00	Exempt: tier status	Excluded
Sea Wolf	02/03/2008 23:30:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 00:00:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 00:30:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 01:00:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 01:30:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 02:00:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 02:30:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 02:54:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 03:00:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 03:30:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 04:00:00	Exempt: tier status	Excluded

Appendix 4. Continued.

Vessel	Observation Date/Time	ABR Verdict	Sea State Verdict
Sea Wolf	02/04/2008 04:30:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 05:00:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 05:11:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 05:30:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 06:00:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 06:08:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 06:17:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 06:30:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 07:00:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 07:30:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 08:00:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 08:30:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 08:39:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 09:00:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 09:30:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 10:00:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 10:09:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 10:30:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 11:00:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 11:10:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 11:19:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 11:30:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 12:00:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 12:30:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 12:48:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 13:00:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 13:07:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 13:30:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 14:00:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 19:30:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 19:40:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 20:00:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 20:30:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 21:00:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 21:13:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 21:30:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 22:00:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 22:30:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 23:00:00	Exempt: tier status	Excluded
Sea Wolf	02/04/2008 23:30:00	Exempt: tier status	Excluded
Sea Wolf	02/05/2008 00:00:00	Exempt: tier status	Excluded
Sea Wolf	02/05/2008 00:30:00	Exempt: tier status	Excluded
Sea Wolf	02/05/2008 01:00:00	Exempt: tier status	Excluded
Sea Wolf	02/05/2008 01:30:00	Exempt: tier status	Excluded
Sea Wolf	02/05/2008 02:00:00	Exempt: tier status	Excluded
Sea Wolf	02/05/2008 02:17:00	Exempt: tier status	Excluded
Sea Wolf	02/05/2008 02:30:00	Exempt: tier status	Excluded
Sea Wolf	02/05/2008 02:41:00	Exempt: tier status	Excluded
Sea Wolf	02/05/2008 03:00:00	Exempt: tier status	Excluded
Sea Wolf	02/05/2008 03:30:00	Exempt: tier status	Excluded
Sea Wolf	02/05/2008 04:00:00	Exempt: tier status	Excluded

Appendix 4. Continued.

Vessel	Observation Date/Time	ABR Verdict	Sea State Verdict
Sea Wolf	02/05/2008 04:30:00	Exempt: tier status	Excluded
Sea Wolf	02/05/2008 04:49:00	Exempt: tier status	Excluded
Sea Wolf	02/05/2008 05:00:00	Exempt: tier status	Excluded
Sea Wolf	02/05/2008 05:30:00	Exempt: tier status	Excluded
Sea Wolf	02/05/2008 06:00:00	Exempt: tier status	Excluded
Sea Wolf	02/05/2008 06:08:00	Exempt: tier status	Excluded
Sea Wolf	02/05/2008 06:30:00	Exempt: tier status	Excluded
Sea Wolf	02/05/2008 06:37:00	Exempt: tier status	Excluded
Sea Wolf	02/05/2008 07:00:00	Exempt: tier status	Excluded
Sea Wolf	02/05/2008 07:30:00	Excluded: speed filter	Excluded
Sea Wolf	02/05/2008 07:35:00	Excluded: speed filter	Excluded
Sea Wolf	02/06/2008 23:30:00	Excluded: speed filter	Excluded
Sea Wolf	02/06/2008 23:54:00	Excluded: speed filter	Excluded
Sea Wolf	02/07/2008 00:00:00	Excluded: manual review, vessel running	Excluded
Sovereignty	02/11/2008 00:00:00	Excluded: manual review, vessel running	Excluded
Sovereignty	02/11/2008 00:30:00	Excluded: speed filter	Excluded
Sovereignty	02/11/2008 01:00:00	Excluded: speed filter	Excluded
Sovereignty	02/11/2008 01:30:00	Excluded: speed filter	Excluded
Sovereignty	02/11/2008 01:38:00	Excluded: speed filter	Excluded
Sovereignty	02/14/2008 09:12:00	Excluded: speed filter	Excluded
Sovereignty	02/14/2008 09:18:00	Excluded: speed filter	Excluded
Sovereignty	02/14/2008 09:30:00	Excluded: speed filter	Excluded
Sovereignty	02/14/2008 09:36:00	Excluded: speed filter	Excluded
Sovereignty	02/14/2008 20:00:00	Excluded: speed filter	Excluded
Sovereignty	02/14/2008 20:30:00	Excluded: speed filter	Excluded
Sovereignty	02/14/2008 20:43:00	Excluded: speed filter	Excluded
Sovereignty	02/14/2008 20:51:00	Excluded: speed filter	Excluded
Sovereignty	02/14/2008 21:00:00	Excluded: speed filter	Excluded
Sovereignty	02/14/2008 21:07:00	Excluded: speed filter	Excluded
Sovereignty	02/15/2008 15:00:00	Excluded: speed filter	Excluded
Sovereignty	02/15/2008 15:30:00	Excluded: speed filter	Excluded
Sovereignty	02/15/2008 15:40:00	Excluded: speed filter	Excluded
Sovereignty	02/15/2008 15:52:00	Excluded: speed filter	Excluded
Sovereignty	02/15/2008 16:00:00	Excluded: speed filter	Excluded
Sovereignty	02/15/2008 22:30:00	Excluded: speed filter	Excluded
Sovereignty	02/15/2008 23:00:00	Excluded: speed filter	Excluded
Sovereignty	02/15/2008 23:30:00	Excluded: speed filter	Excluded
Sovereignty	02/15/2008 23:40:00	Excluded: speed filter	Excluded
Sovereignty	02/15/2008 23:48:00	Excluded: speed filter	Excluded
Sovereignty	02/16/2008 00:00:00	Excluded: manual review, vessel running	Excluded
Sovereignty	09/29/2008 19:00:00	Excluded: speed filter	Excluded
Sovereignty	09/29/2008 19:30:00	Excluded: speed filter	Excluded
Sovereignty	09/29/2008 19:35:00	Excluded: speed filter	Excluded
Sovereignty	09/29/2008 20:00:00	Excluded: speed filter	Excluded
Sovereignty	09/29/2008 20:24:00	Excluded: speed filter	Excluded
Sovereignty	09/29/2008 20:30:00	Excluded: speed filter	Excluded
Sovereignty	09/29/2008 20:44:00	Excluded: speed filter	Excluded

Appendix 4. Continued.

Vessel	Observation Date/Time	ABR Verdict	Sea State Verdict
Sovereignty	09/30/2008 15:49:00	Excluded: speed filter	Excluded: vessel running
Sovereignty	09/30/2008 15:55:00	Excluded: speed filter	Excluded: vessel running
Sovereignty	09/30/2008 17:30:00	Excluded: speed filter	Excluded: vessel running
Sovereignty	09/30/2008 18:00:00	Excluded: speed filter	Excluded: vessel running
Starlite	02/27/2008 17:30:00	Exempt: tier status	Excluded
Starlite	02/27/2008 18:00:00	Exempt: tier status	Excluded
Starlite	02/27/2008 18:17:00	Exempt: tier status	Excluded
Starlite	02/27/2008 18:30:00	Exempt: tier status	Excluded
Starlite	02/27/2008 19:00:00	Exempt: tier status	Excluded
Starlite	02/27/2008 19:05:00	Exempt: tier status	Excluded
Starlite	02/27/2008 19:14:00	Exempt: tier status	Excluded
Starlite	02/27/2008 19:30:00	Exempt: tier status	Excluded
Starlite	02/27/2008 20:00:00	Exempt: tier status	Excluded
Starlite	02/27/2008 20:30:00	Exempt: tier status	Excluded
Starlite	02/27/2008 20:39:00	Exempt: tier status	Excluded
Starlite	02/27/2008 21:00:00	Exempt: tier status	Excluded
Starward	09/11/2008 14:30:00	Exempt: tier status	Excluded
Starward	09/11/2008 15:00:00	Exempt: tier status	Excluded
Starward	09/11/2008 15:07:00	Exempt: tier status	Excluded
Starward	09/11/2008 15:15:03	Exempt: tier status	Excluded
Starward	09/11/2008 15:30:00	Exempt: tier status	Excluded
Starward	09/11/2008 15:40:00	Exempt: tier status	Excluded
Starward	09/11/2008 15:49:00	Exempt: tier status	Excluded
Starward	09/11/2008 16:00:00	Exempt: tier status	Excluded
Starward	09/12/2008 18:00:00	Exempt: tier status	Excluded
Starward	09/12/2008 18:00:00	Exempt: tier status	Excluded
Starward	09/12/2008 18:06:00	Excluded: speed filter	Excluded
Starward	09/12/2008 18:30:00	Excluded: speed filter	Excluded
Starward	09/12/2008 18:43:00	Excluded: speed filter	Excluded
Starward	09/12/2008 19:00:00	Excluded: manual review, vessel running	Excluded
Starward	09/12/2008 19:01:24	Excluded: manual review, vessel running	Excluded
Starward	09/12/2008 19:07:00	Excluded: speed filter	Excluded
Viking	02/01/2008 01:00:00	Excluded: speed filter	Excluded
Viking	02/01/2008 01:30:00	Excluded: speed filter	Excluded
Viking	02/03/2008 19:00:00	Exempt: tier status	Excluded
Viking	02/03/2008 19:30:00	Exempt: tier status	Excluded
Viking	02/03/2008 19:35:00	Exempt: tier status	Excluded
Viking	02/03/2008 20:00:00	Excluded: speed filter	Excluded
Viking	02/03/2008 20:30:00	Excluded: speed filter	Excluded
Viking	02/03/2008 21:00:00	Excluded: speed filter	Excluded
Viking	02/05/2008 00:30:00	Exempt: tier status	Excluded
Viking	02/05/2008 00:35:00	Exempt: tier status	Excluded
Viking	02/05/2008 01:00:00	Exempt: tier status	Excluded
Viking	02/05/2008 01:32:00	Exempt: tier status	Excluded
Viking	02/05/2008 02:00:00	Exempt: tier status	Excluded
Viking	02/05/2008 02:30:00	Exempt: tier status	Excluded
Viking	02/05/2008 03:00:00	Exempt: tier status	Excluded
Viking	02/05/2008 03:30:00	Exempt: tier status	Excluded

Appendix 4. Continued.

Vessel	Observation Date/Time	ABR Verdict	Sea State Verdict
Viking	02/05/2008 04:00:00	Exempt: tier status	Excluded
Viking	02/05/2008 04:16:00	Exempt: tier status	Excluded
Viking	02/05/2008 04:30:00	Exempt: tier status	Excluded
Viking	02/05/2008 04:49:00	Exempt: tier status	Excluded
Viking	02/05/2008 05:00:00	Exempt: tier status	Excluded
Viking	02/05/2008 05:30:00	Exempt: tier status	Excluded
Viking	02/05/2008 06:00:00	Exempt: tier status	Excluded
Viking	02/05/2008 06:09:00	Exempt: tier status	Excluded
Viking	02/05/2008 06:30:00	Exempt: tier status	Excluded
Viking	02/05/2008 07:00:00	Exempt: tier status	Excluded
Viking	02/05/2008 07:30:00	Exempt: tier status	Excluded
Viking	02/05/2008 07:39:00	Exempt: tier status	Excluded
Viking	02/05/2008 08:00:00	Exempt: tier status	Excluded
Viking	02/05/2008 08:12:00	Exempt: tier status	Excluded
Viking	02/05/2008 08:30:00	Exempt: tier status	Excluded
Viking	02/05/2008 09:00:00	Exempt: tier status	Excluded
Viking	02/05/2008 09:23:00	Exempt: tier status	Excluded
Viking	02/05/2008 09:30:00	Exempt: tier status	Excluded
Viking	02/05/2008 10:00:00	Exempt: tier status	Excluded
Viking	02/05/2008 10:30:00	Exempt: tier status	Excluded
Viking	02/05/2008 11:00:00	Exempt: tier status	Excluded
Viking	02/05/2008 11:07:00	Exempt: tier status	Excluded
Viking	02/05/2008 11:30:00	Exempt: tier status	Excluded
Viking	02/05/2008 12:00:00	Exempt: tier status	Excluded
Viking	02/05/2008 12:30:00	Exempt: tier status	Excluded
Viking	02/05/2008 12:36:00	Exempt: tier status	Excluded
Viking	02/05/2008 12:46:00	Exempt: tier status	Excluded
Viking	02/05/2008 13:00:00	Exempt: tier status	Excluded
Viking	02/05/2008 13:30:00	Exempt: tier status	Excluded
Viking	02/05/2008 14:00:00	Exempt: tier status	Excluded
Viking	02/05/2008 14:11:00	Exempt: tier status	Excluded
Viking	02/05/2008 14:20:00	Exempt: tier status	Excluded
Viking	02/05/2008 14:30:00	Exempt: tier status	Excluded
Viking	02/05/2008 15:00:00	Exempt: tier status	Excluded
Viking	02/05/2008 15:30:00	Exempt: tier status	Excluded
Viking	02/05/2008 15:50:00	Exempt: tier status	Excluded
Viking	02/05/2008 16:00:00	Exempt: tier status	Excluded
Viking	02/05/2008 16:05:00	Exempt: tier status	Excluded
Viking	02/05/2008 16:14:00	Exempt: tier status	Excluded
Viking	02/05/2008 16:30:00	Exempt: tier status	Excluded
Viking	02/05/2008 17:00:00	Exempt: tier status	Excluded
Viking	02/05/2008 17:30:00	Exempt: tier status	Excluded
Viking	02/05/2008 17:39:00	Exempt: tier status	Excluded
Viking	02/05/2008 17:53:00	Exempt: tier status	Excluded
Viking	02/05/2008 18:00:00	Exempt: tier status	Excluded
Viking	02/05/2008 18:00:00	Exempt: tier status	Excluded
Viking	02/05/2008 18:30:00	Exempt: tier status	Excluded
Viking	02/05/2008 19:00:00	Exempt: tier status	Excluded
Viking	02/05/2008 19:13:00	Exempt: tier status	Excluded
Viking	02/05/2008 19:22:00	Exempt: tier status	Excluded
Viking	02/05/2008 19:30:00	Exempt: tier status	Excluded

Appendix 4. Continued.

Vessel	Observation Date/Time	ABR Verdict	Sea State Verdict
Viking	02/05/2008 19:41:00	Exempt: tier status	Excluded
Viking	02/05/2008 20:00:00	Exempt: tier status	Excluded
Viking	02/05/2008 20:30:00	Exempt: tier status	Excluded
Viking	02/05/2008 20:51:00	Exempt: tier status	Excluded
Viking	02/05/2008 21:00:00	Exempt: tier status	Excluded
Viking	02/05/2008 21:30:00	Exempt: tier status	Excluded
Viking	02/05/2008 22:00:00	Exempt: tier status	Excluded
Viking	02/05/2008 22:30:00	Exempt: tier status	Excluded
Viking	02/05/2008 22:35:00	Exempt: tier status	Excluded
Viking	02/05/2008 23:00:00	Exempt: tier status	Excluded
Viking	02/05/2008 23:30:00	Exempt: tier status	Excluded
Viking	02/06/2008 00:00:00	Exempt: tier status	Excluded
Viking	02/06/2008 00:08:00	Exempt: tier status	Excluded
Viking	02/06/2008 00:18:00	Exempt: tier status	Excluded
Viking	02/06/2008 00:30:00	Exempt: tier status	Excluded
Viking	02/06/2008 01:00:00	Exempt: tier status	Excluded
Viking	02/06/2008 01:30:00	Exempt: tier status	Excluded
Viking	02/06/2008 01:52:00	Exempt: tier status	Excluded
Viking	02/06/2008 02:00:00	Exempt: tier status	Excluded
Viking	02/06/2008 02:30:00	Exempt: tier status	Excluded
Viking	02/06/2008 03:00:00	Excluded: speed filter	Excluded
Viking	02/06/2008 03:30:00	Excluded: speed filter	Excluded
Viking	02/06/2008 04:00:00	Excluded: speed filter	Excluded
Viking	02/06/2008 04:13:00	Excluded: speed filter	Excluded
Viking	02/06/2008 04:30:00	Excluded: speed filter	Excluded
Viking	02/09/2008 00:00:00	Excluded: manual review, vessel running	Excluded
Viking Explorer	02/02/2008 01:46:00	Excluded: speed filter	Excluded
Viking Explorer	02/02/2008 02:00:00	Excluded: speed filter	Excluded
Viking Explorer	02/02/2008 02:30:00	Excluded: speed filter	Excluded
Viking Explorer	02/02/2008 03:00:00	Excluded: speed filter	Excluded
Viking Explorer	02/02/2008 03:11:00	Excluded: speed filter	Excluded
Viking Explorer	02/02/2008 03:20:00	Excluded: speed filter	Excluded
Viking Explorer	02/02/2008 19:00:00	Excluded: speed filter	Excluded
Viking Explorer	02/02/2008 19:18:00	Excluded: speed filter	Excluded
Viking Explorer	02/02/2008 19:30:00	Excluded: speed filter	Excluded
Viking Explorer	02/02/2008 19:46:00	Excluded: speed filter	Excluded
Viking Explorer	02/02/2008 20:00:00	Excluded: speed filter	Excluded
Viking Explorer	02/02/2008 20:24:00	Excluded: speed filter	Excluded
Viking Explorer	02/02/2008 20:30:00	Excluded: speed filter	Excluded
Viking Explorer	02/02/2008 20:48:00	Excluded: speed filter	Excluded
Viking Explorer	02/02/2008 21:00:00	Excluded: speed filter	Excluded
Viking Explorer	02/02/2008 21:30:00	Excluded: speed filter	Excluded
Viking Explorer	02/02/2008 22:00:00	Excluded: speed filter	Excluded
Viking Explorer	02/02/2008 22:08:00	Excluded: speed filter	Excluded
Viking Explorer	02/02/2008 22:30:00	Excluded: speed filter	Excluded
Viking Explorer	02/02/2008 23:00:00	Excluded: speed filter	Excluded
Viking Explorer	02/02/2008 23:30:00	Excluded: speed filter	Excluded
Viking Explorer	02/07/2008 02:30:00	Excluded: speed filter	Excluded
Viking Explorer	02/07/2008 03:00:00	Excluded: speed filter	Excluded

Appendix 4. Continued.

Vessel	Observation Date/Time	ABR Verdict	Sea State Verdict
Viking Explorer	02/07/2008 04:00:00	Excluded: speed filter	Excluded
Viking Explorer	02/07/2008 04:30:00	Excluded: speed filter	Excluded
Viking Explorer	02/09/2008 00:30:00	Excluded: speed filter	Excluded
Viking Explorer	02/09/2008 01:00:00	Excluded: speed filter	Excluded
Viking Explorer	02/09/2008 01:30:00	Excluded: speed filter	Excluded
Viking Explorer	07/07/2008 07:30:00	Excluded: speed filter	Excluded
Viking Explorer	07/07/2008 08:00:00	Excluded: speed filter	Excluded
Viking Explorer	07/09/2008 11:30:00	Excluded: buffer filter	Excluded
Viking Explorer	08/12/2008 11:30:00	Excluded: speed filter	Excluded
Viking Explorer	08/12/2008 11:44:00	Excluded: speed filter	Excluded
Viking Explorer	08/12/2008 11:54:00	Excluded: speed filter	Excluded
Viking Explorer	08/12/2008 12:30:00	Excluded: speed filter	Excluded
Viking Explorer	08/12/2008 13:00:00	Excluded: speed filter	Excluded
Viking Explorer	08/12/2008 14:15:00	Excluded: speed filter	Excluded
Viking Explorer	08/12/2008 14:24:00	Excluded: speed filter	Excluded
Viking Explorer	08/12/2008 15:21:00	Excluded: speed filter	Excluded
Viking Explorer	08/12/2008 15:30:00	Excluded: speed filter	Excluded
Viking Explorer	08/12/2008 15:40:00	Excluded: speed filter	Excluded
Viking Explorer	08/12/2008 15:50:00	Excluded: speed filter	Excluded
Viking Explorer	08/12/2008 16:00:00	Excluded: speed filter	Excluded
Viking Explorer	08/12/2008 16:30:00	Excluded: speed filter	Excluded
Viking Explorer	08/12/2008 16:46:00	Excluded: speed filter	Excluded
Viking Explorer	08/12/2008 17:19:00	Excluded: speed filter	Excluded
Viking Explorer	08/12/2008 17:30:00	Excluded: speed filter	Excluded

Appendix 5. Memorandum regarding discrepancy in compliance audit for the pollock fishery, 2008.



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To: Larry Cotter, Phillip Lestenkof, Robin Samuelson, Morgen Crow, Janis Ivanoff, Ragnar Alstrom, Bob Dooley, Donna Parker, Doug Christensen, Jeff Hendricks, Jim McManus, John Gruver, Mike Martin, Pat Hardina, Steve Olson, Karen Gillis, Jill Klein, Mike Smith, Jennifer Hooper, Becca Robbin Gisclair, David Witherell, Chris Oliver, Diana Stram, Eric Olson

From: Matt Macander

23 March 2009

An annual Intercooperative Agreement (ICA) compliance audit is required under 50 C.F.R. 679.21(g) (5) (vi). The National Oceanic and Atmospheric Administration (NOAA) Fisheries, Alaska Region, requires "an external audit designed to evaluate the accuracy of the approach used by Sea State to monitor compliance" be prepared for the pollock fishery. The audit, which NOAA required be based on an "[e]xamination of a randomly selected subset of vessel/days representing 10% of the catch" was conducted by ABR, Inc.—Environmental Research and Services (hereafter, ABR) for Sea State, Inc. ABR has conducted this audit annually for the 2006, 2007 and 2008 pollock fishing seasons.

The audit of the stipulated 10% subset of the 2008 pollock fishing season data has identified an instance where Sea State did not identify or report an apparent Savings Area violation to the cooperatives that are party to the Agreement. We identified three Vessel Monitoring System locations for *Vessel A* (PCC cooperative), between 18:00:00 and 18:47:00 on 3/14/2008, that occurred within the boundary of the "Chinook closure area west of 168" as referenced in the IC Salmon Closure memo of 3/13/2008. This closure was "[c]losed to all vessels in Tiers 2 and 3, effective 1800 hrs, 3/14/08 to 1800 hrs, 3/18/08" (IC_salmon_031308.doc, attached). The PCC Cooperative was in Tier Status 2 for this period and so *Vessel A* was subject to the closure. According to the observer records for this time period, *Vessel A* had fishing gear deployed from 09:15 to 18:50 on 3/14/2008.

The cause of the discrepancy between the ABR and Sea State results was most likely a data entry error by Sea State during creation of the polygon dataset used in the Sea State software to analyze the data for closure zone violations. We compared the Sea State polygon dataset to the closure memos as part of our audit, and noticed that four closure zones were missing, including the closure referenced here. We made Sea State aware of the problem, and Sea State has subsequently reviewed all of their closure polygons and corrected any discrepancies identified. Based on a review of the corrected data, they initiated an ICA enforcement action in the case described above. The vessel name has been redacted because this enforcement action is pending.

Attachments.

Copy to: Karl Haflinger, Joe Sullivan

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