



Marine Mammal Monitoring and Mitigation Final Report, Rev. 1

Crowley Kotzebue Dock Upgrade Project

**Kotzebue, Alaska
August 2021**

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ACRONYMS AND ABBREVIATIONS

4MP	Marine Mammal Monitoring and Mitigation Plan
BA	Biological Assessment
BFT	Beaufort sea state
BMP	best management practice
CFR	Code of Federal Regulations
cy	cubic yards
Crowley	Crowley Fuels, LLC
DPS	distinct population segment
Fairweather	Fairweather Science, LLC
ft	feet
HTL	high tide line
hrs	hours
IHA	Incidental Harassment Authorization
km	kilometers
m	meters
MHW	mean high water
MLLW	mean lower low water
MMPA	Marine Mammal Protection Act (of 1972)
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
OCSP	OPEN CELL SHEET PILE®
PND	PND Engineers, Inc.
PSO	protected species observer
USACE	United States Army Corps of Engineers

1 Introduction

Crowley Fuels, LLC (Crowley) completed a protected species observation program for the Crowley Kotzebue Dock Upgrade Project in Kotzebue, Alaska in accordance with an Incidental Harassment Authorization (IHA) issued by the National Oceanic and Atmospheric Administration (NOAA) National Marine Fisheries Service (NMFS) on July 7, 2020. This authorization permitted small numbers of Level B marine mammal harassment takes incidental to the project's activities. Takes were authorized for the following species: bearded seals (*Erignathus barbatus*, ugruk), ringed seals (*Phoca (pusa) hispida*, natchiq), spotted seals (*Phoca largha*, qasigialq), ribbon seals (*Histiophoca fasciata*, qaigulik), beluga whales (*Delphinapterus leucas*, sisuaq), harbor porpoises (*Phocoena phocoena*), killer whales (*Orcinus orca*, aaglu), minke whales (*Balaenoptera acutorostrata*), and gray whales (*Eschrichtius robustus*, agvigluag). The take of other species of marine mammals was not authorized.

Crowley conducted observations in Kotzebue Sound between July and October of 2020. The observer program was designed by PND Engineers, Inc. (PND) to comply with all pertinent project permits and implemented and managed by Crowley, Swalling General Contractors, and Fairweather Science, LLC (Fairweather). In accordance with the project's IHA and accompanying Biological Opinion, this is the final report of all monitoring activities.

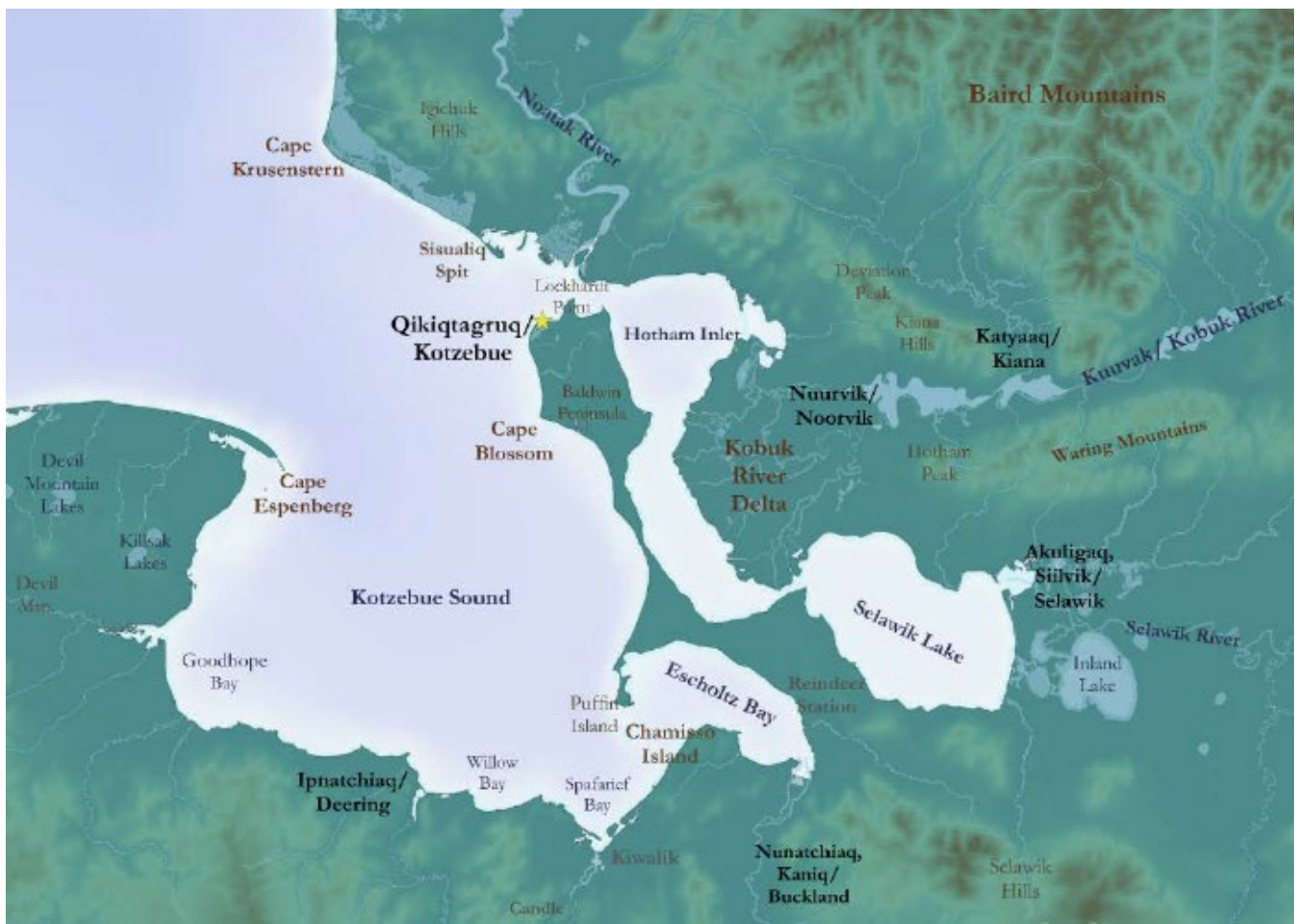


Figure 1. Project vicinity

The Crowley Kotzebue Dock is located at the northern shore of the Baldwin Peninsula in Kotzebue Sound (Figure 1). The dock provides berthing for Crowley's bulk fueling operations and essential access for community-servicing barges, cargo-loading, subsistence harvest, and other community events. The purpose of the project was to upgrade the existing dock, which had deteriorated over the years and was reaching the end of its service life.



Figure 2. Action area with observation sites

The project action area consists of all areas affected directly or indirectly by the federal action (50 CFR 402.02), extending to a point where no measurable effects from the proposed action occur. The action area for this project consisted of the area in the immediate vicinity of the Crowley Fuels Dock where construction activities occurred and the maximum ensounded harassment area which resulted from vibratory pile driving. The action area was estimated to extend up to 5,200 m, rounded up from the calculated 5,168 m Level B Harassment radius for sheet pile driving. The red triangle marks the project location.

2 Project Activities

Construction activities involved an OPEN CELL SHEET PILE® (OCSP) structure (a bulkhead utilizing flat-web sheet piles, fabricated connector wyres, and anchor piles) constructed one cell at a time. Fourteen new sheet pile cells were installed seaward of the existing dock, so no demolition of existing dock face was required.

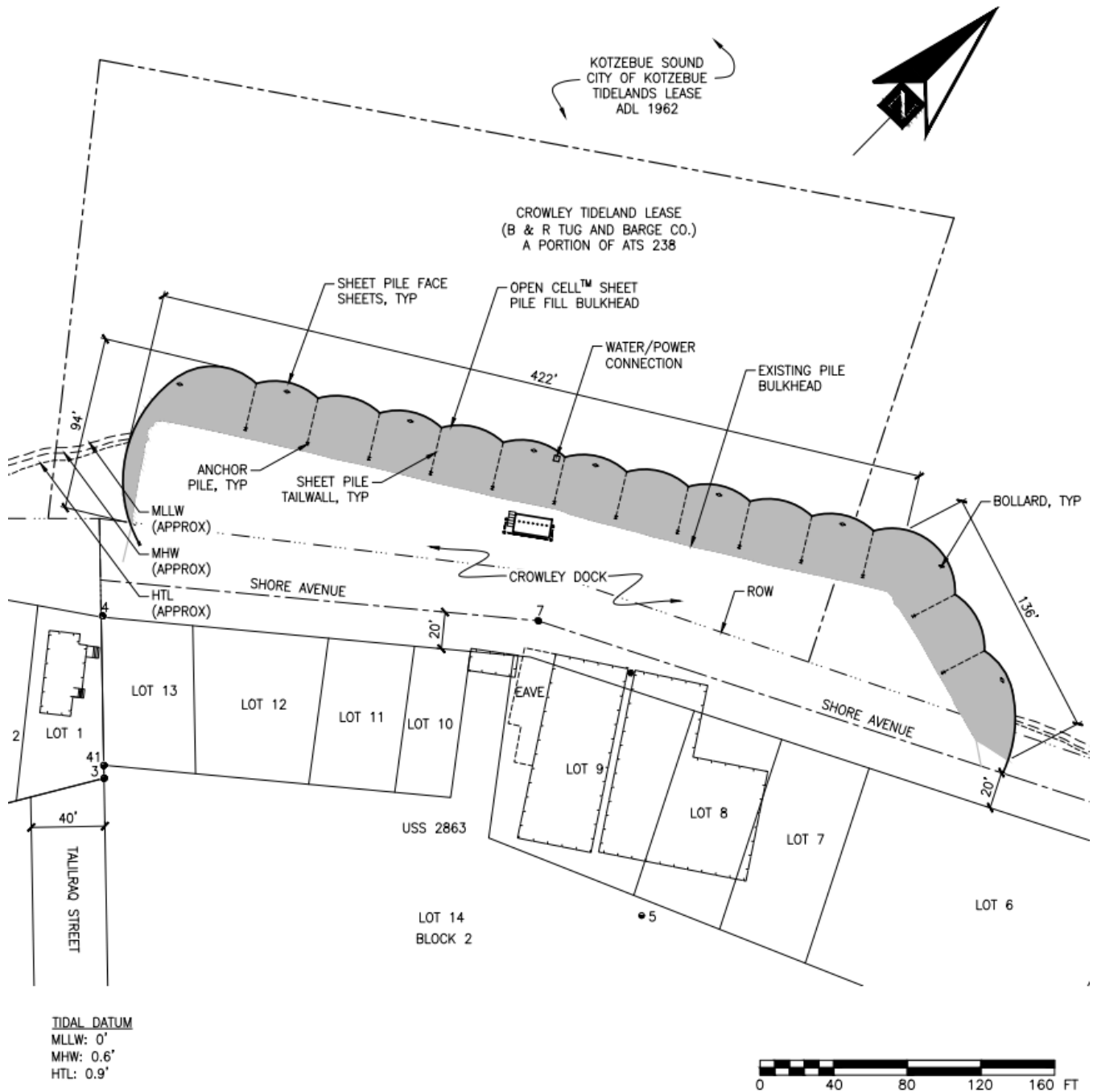


Figure 3. Project Overview

Piles were installed using a land-based crane with an APE 200-6 vibratory hammer. Temporary piles for bulkhead template structures were utilized to aid with sheet pile cell construction. Fourteen-inch H-pile anchor piles with welded connectors to secure the structure were installed at the end of each sheet pile tail wall using a vibratory hammer on land. The bulkhead was filled with clean gravel materials after the closure of each cell. Fill was placed within the cells from shore using excavators, loaders, dump trucks, and dozers and finished using roller compactors and graders. Twenty-four-inch pipe piles were driven into completed, compacted cells at nine locations along the dock face to support mooring bollards.

A 120/208-volt power service was provided near the south end of the new dock and routed via buried conduit. The construction activities described above were completed with 11-hours of impactful work per day, six days per week (excluding holidays), between Tuesday July 21, 2020 and Sunday September 27, 2020.

3 Monitoring Program

Pre-construction monitoring occurred between July 08, 2020 and July 14, 2020, followed by a period of delayed pre-construction work from July 15, 2020 until July 20, 2020. All over-water and in-water construction activities took place between July 21, 2020 and September 27, 2020. Post-construction monitoring began on September 28, 2020 and concluded on October 03, 2020.

The project used rotating shifts of three land-based protected species observers (PSOs) for monitoring and mitigation. PSOs were placed on the shoreline around the project site (Figure 4) to observe marine mammals within the Level B harassment zones. In general, the full Level B harassment zones were visible to the PSOs. Visibility statistics are discussed further in Section 4.2. The entirety of the 10-meter shutdown zone was in view from the Center observer station.

The specific objectives of the monitoring program as outlined in the Marine Mammal Monitoring and Mitigation Plan (4MP) were:

- To monitor the mitigation zones, to estimate the number of marine mammals exposed to noise at (or exceeding) established thresholds, and to document animal responses and behaviors;
- To minimize impacts to the marine mammal species present in the project area through implementation of mitigation procedures; and
- To collect data on takes, occurrence, and behavior of marine mammal species in the project area and record and report any potential impacts from the project.

This report presents the final marine mammal observation data and findings from the project and includes information on operations, marine mammal monitoring and sightings, and mitigation measures implemented. Observer sighting logs are provided in Appendix A and construction effort logs in Appendix B. Logs are also included in excel format. Appendix C contains marine mammal stranding forms generated for two carcasses spotted during the pre-construction phase.

All PSOs had sufficient training, orientation, or experience in marine mammal research, protected species monitoring, or local subsistence harvest activities and were approved by NMFS prior to the start of the Project. PSO training included responsibilities, safety training, communication procedures, familiarization with the 4MP, and operational procedures.

3.1 Monitoring Stations

Primary monitoring stations utilized were the Center, North, and South stations. The North Alternate station was added with approval as an alternative to the North station for days when it was not safe to access due to conditions in the Sound. At various times, the primary stations positions were slightly adjusted due to construction progress or other circumstances as described below. These adjustments were within the original approved locations.

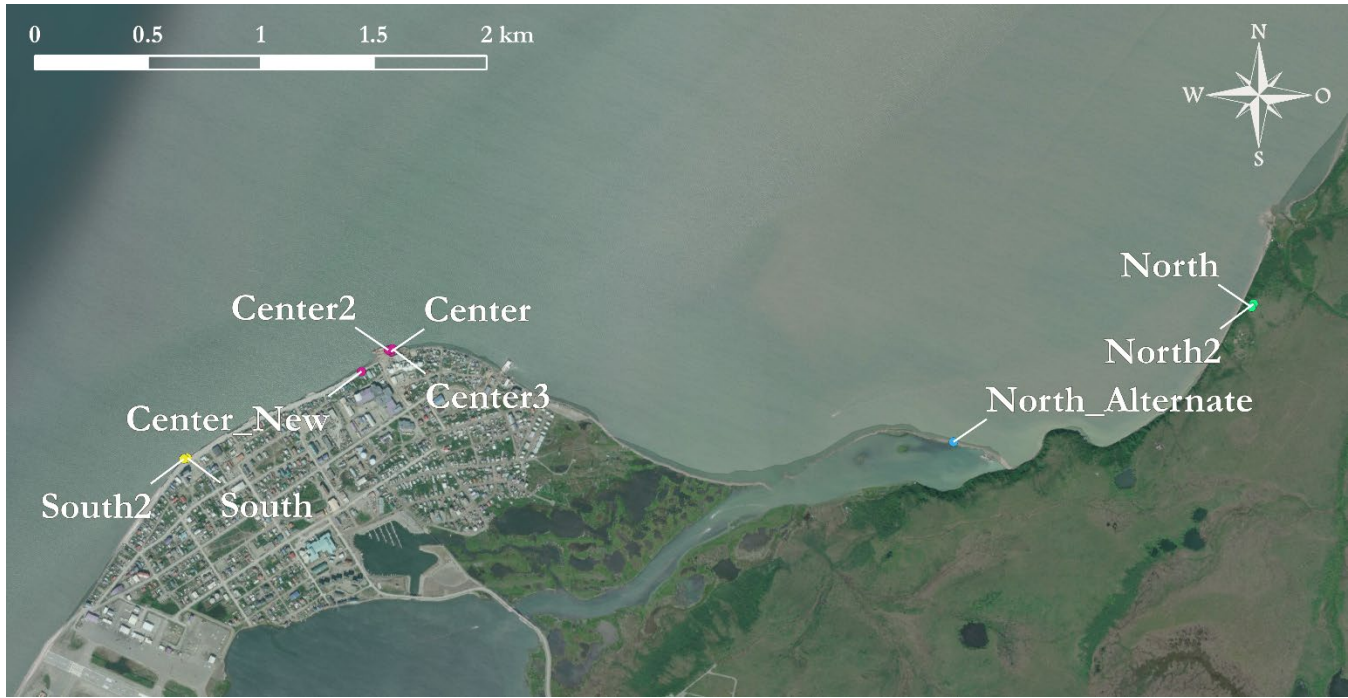


Figure 4. PSO station locations utilized throughout the project

Table 1. PSO station locations

PSO Station	Latitude	Longitude	Elevation (ft)	Start Date	End Date
Center	66.90376	-162.58429	9	07/08/20	07/25/20
Center2	66.90380	-162.58456	17.5	07/27/20	08/05/20
Center3 ¹	66.90388	-162.58421	17.5	08/06/20	09/18/20
Center_New	66.90278	-162.58667	17.5	09/18/20	10/03/20
North	66.91259	-162.50322	70	07/21/20	07/23/20
North2	66.91273	-162.50310	60	07/24/20	09/13/20
North_Alternate ²	66.90508	-162.52879	11	09/09/20	09/27/20

¹ Observation from the Center3 station was conducted from dock level (approximately 9 ft elevation) for less than one hour while the PSO observation tower was relocated.

² The North_Alternate station was approved for use when the North station could not be used due to unsafe weather conditions for accessing the site via boat. It was primarily used as such between September 9 and 27.

PSO Station	Latitude	Longitude	Elevation (ft)	Start Date	End Date
South ¹	66.89809	-162.60143	9	07/08/20	07/20/20
South2 ²	66.89803	-162.60173	20	07/21/20	10/03/20

3.2 Monitoring Effort

The total PSO monitoring effort was approximately 1,850 hours during the project, including pre- and postconstruction monitoring. Work occurred during daytime hours between Wednesday, July 8th, 2020 and Saturday, October 3rd, 2020, excluding Sundays and government holidays.

Table 2. Total PSO effort per observation site

Observation Site	Total Observation Effort (hrs)
North	503.2
Center	697.8
South	648.6
Total	1849.6

PSOs recorded environmental data approximately every half hour, every shift change, and upon any change in construction activities or environmental conditions. Marine mammal sightings were recorded upon first observation. Occasional confirmed re-sightings of the same individual(s) were recorded using the ID number assigned to the original sighting and with descriptive notes detailing the re-sight. Effort and sighting data fields, units, and descriptions are included in Appendix B.

3.2.1 Environmental Data

Recorded environmental data included Beaufort sea state (BFT, a scale of 0 – 12 utilizing estimated wind speeds and wave heights based on observed sea characteristics), relative wave heights, visible distance, percent glare, percent cloud cover, precipitation type (as applicable), and a subjective assessment of sightability (Excellent, Good, Fair, or Poor).

¹ Pre-construction monitoring from the south station was conducted from sea wall level (approximately 9 ft elevation) prior to tower construction.

² Approximately 22 hours of were conducted from sea wall level (approximately 9 ft elevation) on days when wind made the tower unsafe for occupation, primarily on August 4, 17, 18 and September 9 and 10.

4 Monitoring Data Analysis

This section describes data analysis methods and the estimated number of marine mammals exposed to construction activities related to the project.

4.1 Environmental Conditions

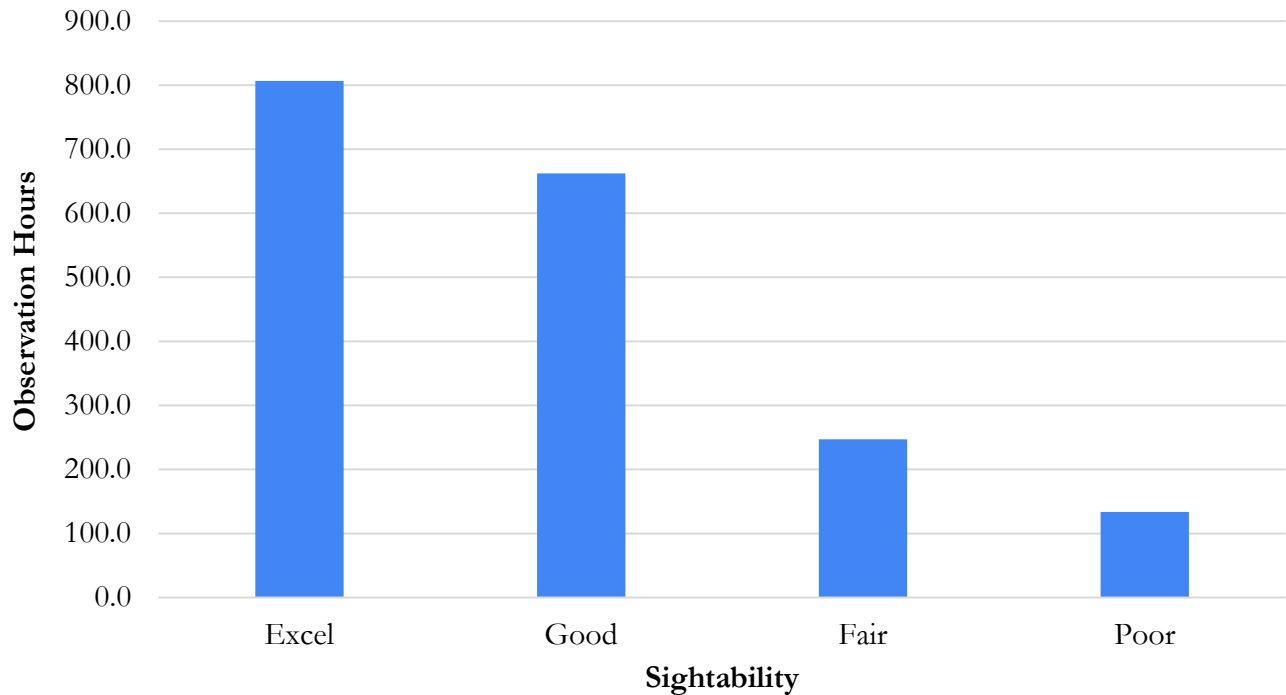


Figure 5. Duration of sightability conditions during observation

When extreme foul weather was predicted or observed to prohibit monitoring, work was generally delayed and observers were not on duty. As a result, sighting records are biased towards better visibility conditions. To correlate sighting and exposure rates to visibility conditions, this bias was removed by dividing the sightings per hour by the number of hours of each given condition. The resultant data shows that sighting rates were relatively independent of sightability condition.

Assessments of sightings by weather conditions include the most commonly reported species: spotted seals, ringed seals, and unidentified seals. Other species were omitted due to limited number of sightings that prevented legibility at this scale.

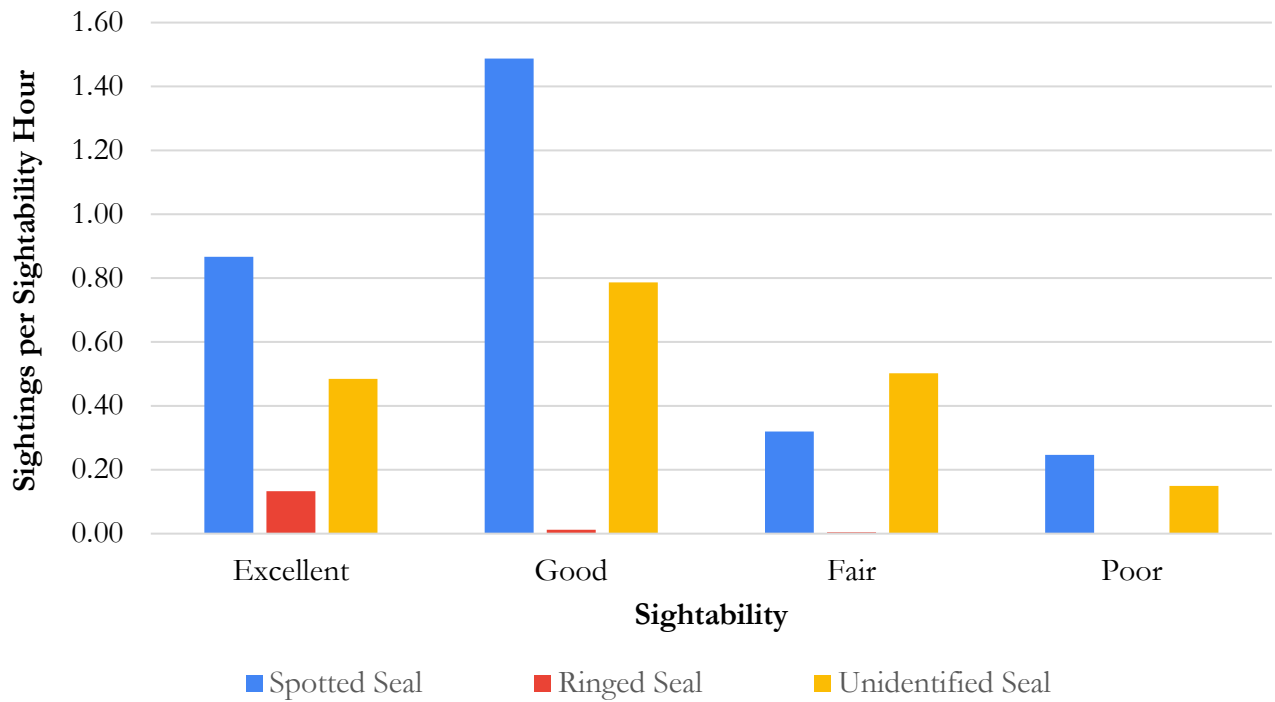


Figure 6. Sightings per hour of sightability condition

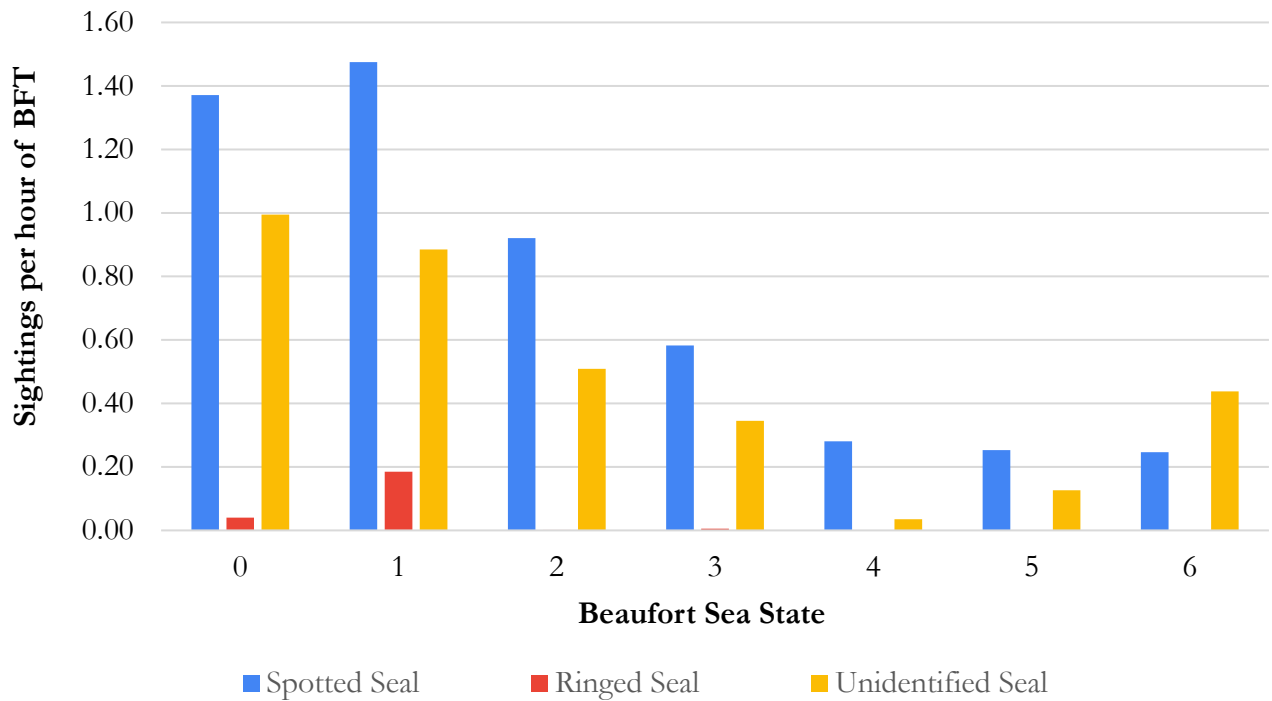


Figure 7. Sightings per hour of Beaufort sea state

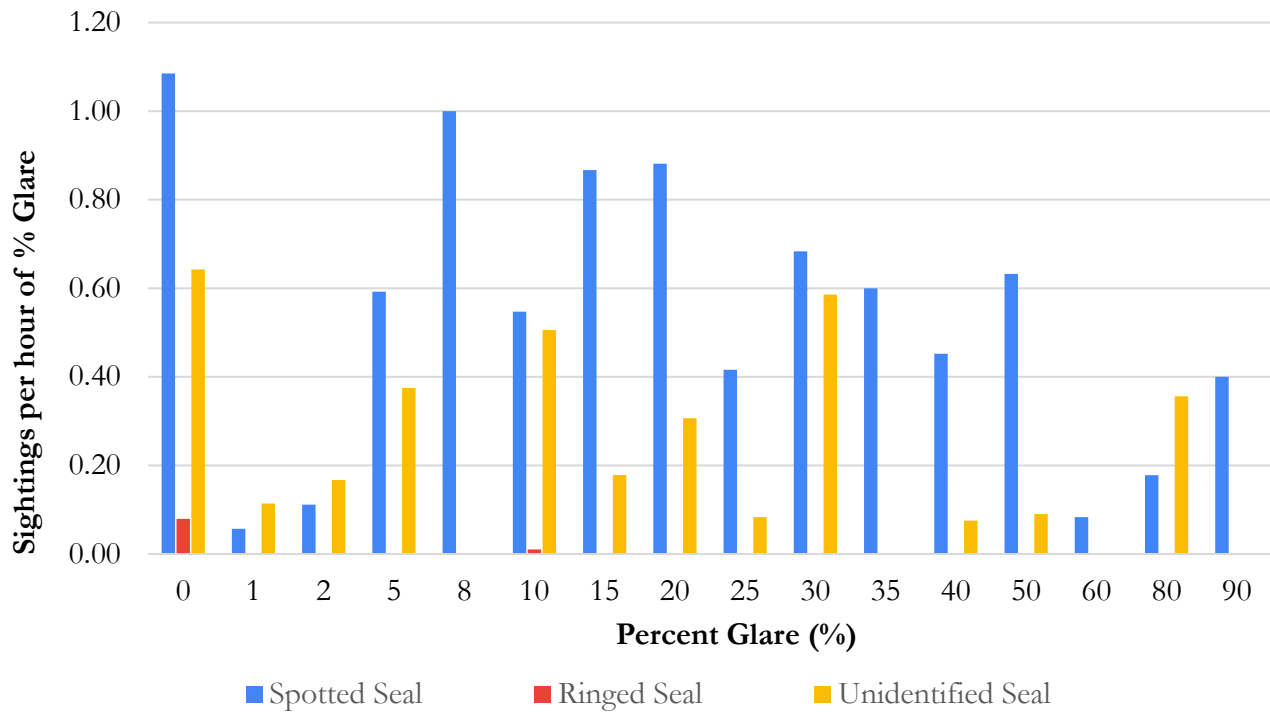


Figure 8. Sightings per hour of percent glare

4.2 Visibility

Observable range from each station was recorded at regular intervals. The majority of the time, visibility was at least ten kilometers. Visibility was greater than eight kilometers at least 90% of the time.

Table 3. Visibility statistics by observer site

Observation Location	Visibility (km)				
	Minimum	Average	Maximum	Standard Deviation	Variation
North	0	9.35	10	1.41	1.99
Center	0.1	9.12	10	2.01	4.05
South	0.1	8.98	10	2.19	4.80
Total	0	9.13	10	1.97	3.88

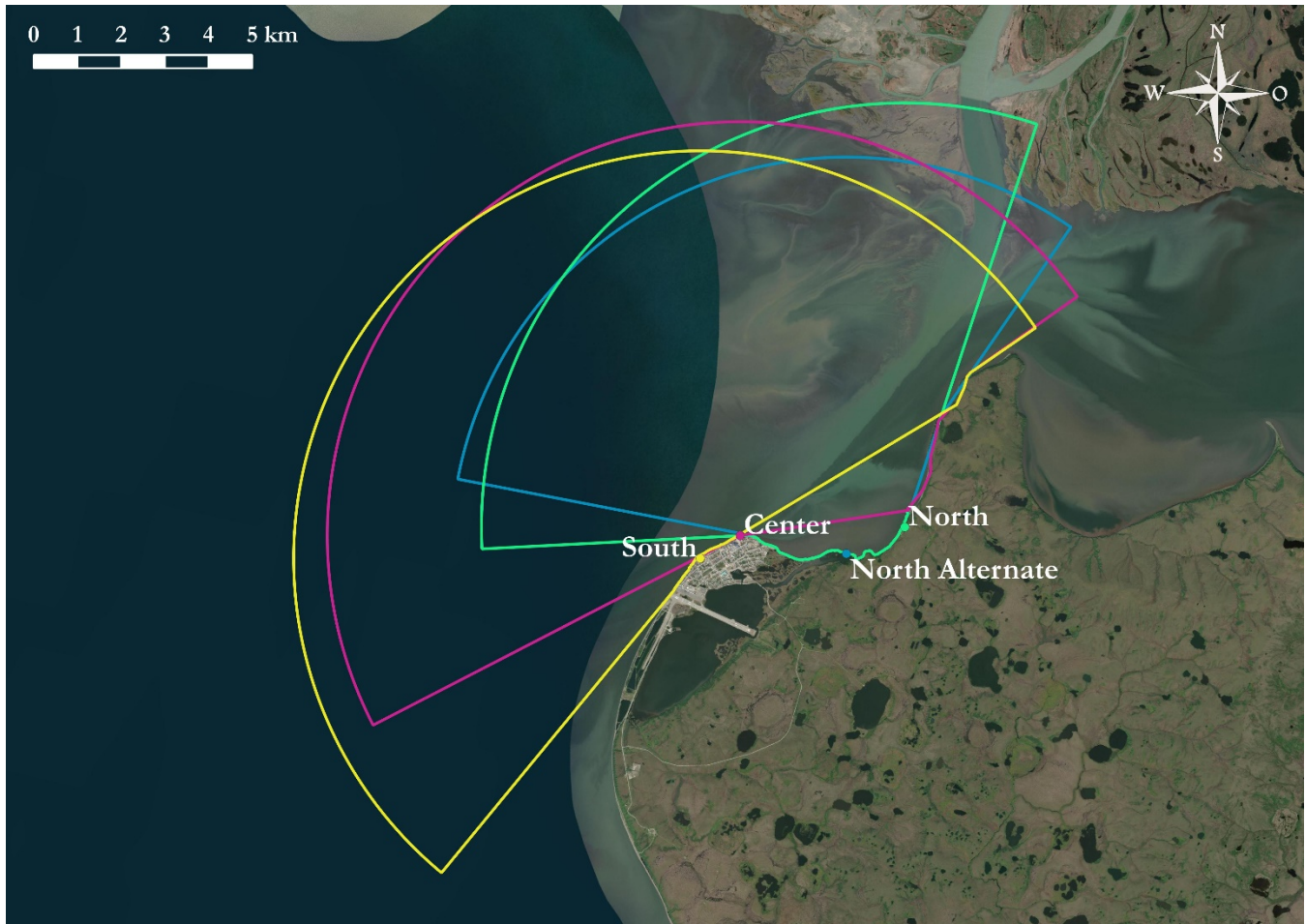


Figure 9. Average visibility extents by observer station

4.3 Pre- and Post-Construction Monitoring

Crowley agreed to provide one week each of pre- and postconstruction monitoring to supplement limited existing baseline data regarding marine mammal presence and typical behaviors within the action area. Pre- and postconstruction monitoring were conducted from the Center and South observer stations.

Table 4. Pre- and postconstruction sighting duration and total number of animals sighted

Monitoring Period	Start Date	End Date	Total # Animals	Total Sighting Duration (hrs)	Sighting Rate (Individuals/ Hour Observation)
Preconstruction	7/8/2020	7/20/2020	52	2.42	0.30
During Construction	7/21/2020	9/26/2020	2192	575.43	1.41
Postconstruction	9/27/2020	10/3/2020	735	123.30	6.38
Total			2979	701.15	1.61

Preconstruction monitoring occurred between July 08, 2020 and July 14, 2020. Construction was subsequently delayed through July 20, 2020, providing an additional initial condition monitoring opportunity. A total of 174.4 hours of monitoring occurred before in-water or overwater construction began, split between two stations. Postconstruction monitoring occurred for 115.2 observation hours between September 28, 2020 and October 03, 2020. Table 4 includes the number of animals sighted during these periods, the total duration for which animals were sighted, and the rate of sightings.

4.4 Construction Monitoring

PSOs monitored construction activities on 52 days between July 21, 2020 and concluded on September 26, 2020. The total PSO monitoring effort was approximately 1,850 hours during the project, including pre- and postconstruction monitoring. Hours of in- or over-water construction observation (not including daily pre- and post-construction monitoring, seasonal pre- and post-construction monitoring, or “no work” periods) totaled 398.5 hours (as recorded at the Center observer station).

Table 5. Construction activities recorded at Center station

Effort Code	Construction Activity	Activity Duration (hrs) ¹
VIB	Vibratory pile installation	38.0
VIBR	Vibratory pile removal	3.7
VIB/VIBR	Periods of rapid pile installation and removal sometimes used to assist briefly when driving was difficult	1.4
PULL	Deadpull - removal of piles via crane	0.8
SLING	Slinging overwater of construction materials	174.4
STAB	Positioning the piles via crane	95.9
PRE	Pre-construction (30 minutes prior to operations)	41.7
POST	Post-construction (30 minutes following operations)	23.2
DELAY	Delay due to marine mammal	92.6
NO WORK	Continuous monitoring during no operations	38.0
SHUT	Shut down due to marine mammal	0
WxDOWN	Shut down due to weather	0
OTHER²	Activity not otherwise captured. See notes in construction logs.	84.4
Total duration of construction activities		556.1

¹ Activity durations are based on the effort records of the Center observer station, as that station was most closely in coordination with the construction crew.

² “Other” work typically included such tasks as welding, fill placement, fill compaction, or other miscellaneous construction site duties such as clean-up or delivery logistics. Observers may have remained on duty so as not to delay start-up of monitored activities or for other schedule management reasons. See construction logs for more details.

There were no observers on duty at the North or South stations September 22 through September 25, as only dirt work (fill and compaction) or over-water work (slinging and moving equipment and materials) were in progress.

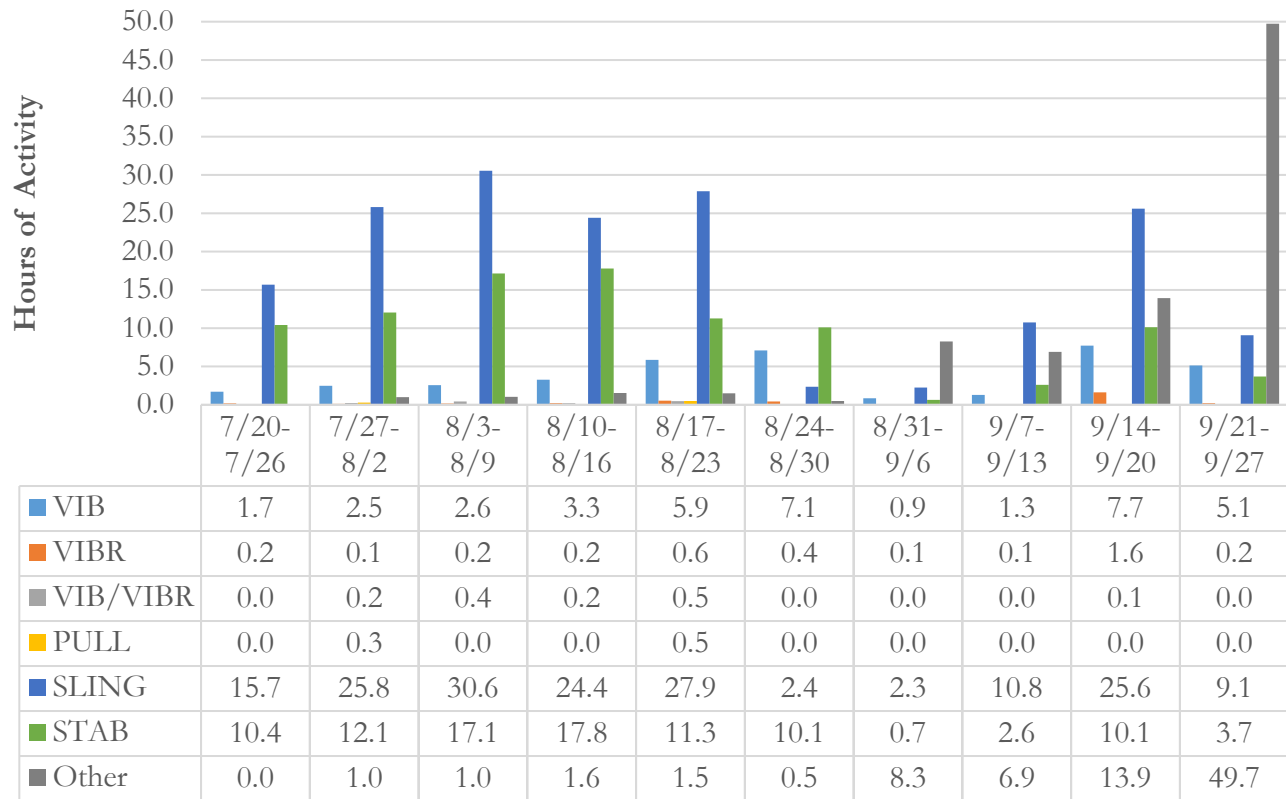


Figure 10. Construction activity hours by type each week at Center station

4.5 Sighting Rates

During in- and over-water construction (including vibratory pile-driving and removal; pulling, slinging, and stabbing piles, and “other”), 1,850 animals were sighted, or an average of 35.6 animals sighted per day or 4.642 per hour. Table 6 shows the number of sightings by week and species and includes sightings during daily pre- and post-construction monitoring, seasonal pre- and post-construction monitoring, or “no work” periods.

Table 6. Number of animals sighted per week by species (during all activities)

Week	Bearded Seal	Beluga Whale	Harbor Porpoise	Ribbon Seal	Ringed Seal	Spotted Seal	Unidentified Seal	Total
7/6-7/12	2	-	-	-	1	21	12	36
7/13-7/19	-	-	-	-	-	6	9	15
7/20-7/26	-	-	-	-	-	2	3	5
7/27-8/2	-	-	-	-	1	88	28	117
8/3-8/9	-	-	-	-	4	81	103	188

Week	Bearded Seal	Beluga Whale	Harbor Porpoise	Ribbon Seal	Ringed Seal	Spotted Seal	Unidentified Seal	Total
8/10-8/16	-	5	-	-	-	50	79	134
8/17-8/23	-	-	-	-	2	72	45	119
8/24-8/30	-	-	-	-	-	26	10	36
8/31-9/6	-	-	-	-	-	60	10	70
9/7-9/13	-	-	-	-	-	101	57	158
9/14-9/20	-	-	-	-	105	372	357	834
9/21-9/27	-	-	-	-	3	204	325	532
9/28-10/4	1	-	2	1	-	713	18	735
Total	3	5	2	1	116	1796	1056	2979

More sightings occurred during the week beginning September 14 than during any other week during the observation period. More construction activity took place that week and therefore more observation hours occurred than any other week during construction.

Table 7. Number of animals sighted by species and activity

	Seasonal Preconstruction	Vibratory Driving	Vibratory Removal	Vibratory Driving & Removal	Deadpull Piles	Slinging Piles	Stabbing Piles	Daily Postconstruction	Daily Preconstruction	Other	No Work	Seasonal Postconstruction	Total
Beluga Whale											5		5
Harbor Porpoise												2	2
Bearded Seal	2											1	3
Ringed Seal	1	2	1			5	4		1	101	1		116
Spotted Seal	27	436	9	91	2	162	69	24	39	84	140	713	1796
Ribbon Seal												1	1
Unidentified Seal	22	308	6	138	1	136	62	8	15	233	109	18	1056
Total	52	746	16	229	3	303	135	32	55	418	255	735	2979

Sightings of marine mammals appeared to increase with vibratory pile installation (including template and sheet pile driving) and post-season construction, but sample sizes were not large and may not be indicative of a relationship (Table 7, Table 8, & Table 9). Belugas, porpoises, bearded seals, and ribbon seals were not sighted during construction and so are not included in some construction-related report statistics.

Animals were observed to increase frequency in relationship to food sources, including an increase noted by observers when herring schools were near to the shoreside. They dispersed as food sources were less present in the vicinity, according to reports of local subsistence hunters.

Table 8. Rate (sightings per hour), average group size, and standard deviation of group size of animals sighted by species and *construction* activity

	Vibratory Driving & Removal ¹			Non-Noisy In-Water Work ²			Other			All Construction Summary		
	Rate	Avg Grp	Std Dev Grp	Rate	Avg Grp	Std Dev Grp	Rate	Avg Grp	Std Dev Grp	Rate	Avg Grp	Std Dev Grp
Ringed Seal	0.07	1.00	0.00	0.31	1.29	0.49	1.20	50.50	70.00	0.28	9.42	28.53
Spotted Seal	12.44	3.65	4.77	0.89	1.50	2.07	1.00	2.40	2.93	2.14	2.53	3.71
Unidentified Seal	10.49	5.08	11.51	1.22	1.36	2.14	2.76	8.96	33.94	2.22	3.39	12.83
Total	22.99	4.15	7.97	2.42	1.43	2.08	4.95	6.63	24.96	4.64	3.03	9.67

Table 9. Rate (sightings per hour), average group size, and standard deviation of group size of animals sighted by species and *non-construction* activity

	Pre- and Post-Season Construction			Pre- and Post-Construction			No Work			No Construction Summary		
	Rate	Avg Grp	Std Dev Grp	Rate	Avg Grp	Std Dev Grp	Rate	Avg Grp	Std Dev Grp	Rate	Avg Grp	Std Dev Grp
Beluga Whales	-	-	-	-	-	-	0.05	5.00	N/A	0.02	5.00	N/A
Harbor Porpoise	0.01	2.00	N/A	-	-	-	-	-	-	0.01	2.00	N/A
Bearded Seal	0.02	1.00	0.00	-	-	-	-	-	-	0.01	1.00	0.00
Ringed Seal	0.01	1.00	N/A	0.02	1.00	N/A	0.01	1.00	N/A	0.01	1.00	0.00
Spotted Seal	5.22	13.70	23.83	0.97	1.75	2.95	1.51	1.92	3.97	3.15	5.79	15.03
Ribbon Seal	0.01	1.00	N/A	-	-	-	-	-	-	0.003	1.00	N/A
Unidentified Seals	0.28	1.60	2.25	0.35	1.21	0.71	1.18	2.53	6.16	0.57	1.98	4.52
Total	5.55	9.26	19.87	1.34	1.55	2.40	2.75	2.16	4.85	3.77	4.36	12.34

¹ Vibratory Driving, Removal, and Driving/Removal (periods when piles were inserted & removed over a period to assist in advancing difficult piles were combined due to the similarity of the activities and the limited periods of Removal)

² Deadpull, sling, or stab piles

4.6 Sighting Distribution

Marine mammals were most often seen within the channel that follows the Kotzebue shoreline immediately offshore of the Crowley dock. One group of beluga whales was sighted moving through the area further from shore than was typical of the resident pinnipeds (Figure 12). Sightings near the North station were often associated with feeding behaviors and were reported to coincide with fishing in nearby streams.

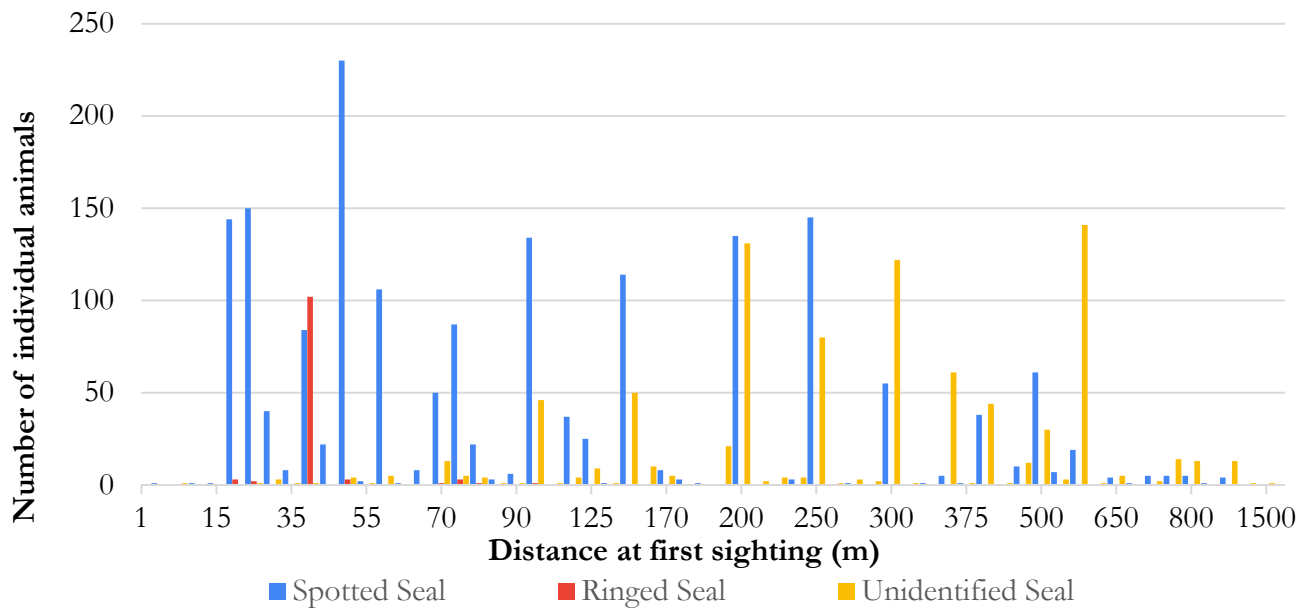


Figure 11. Distance to animal(s) at first sighting by species

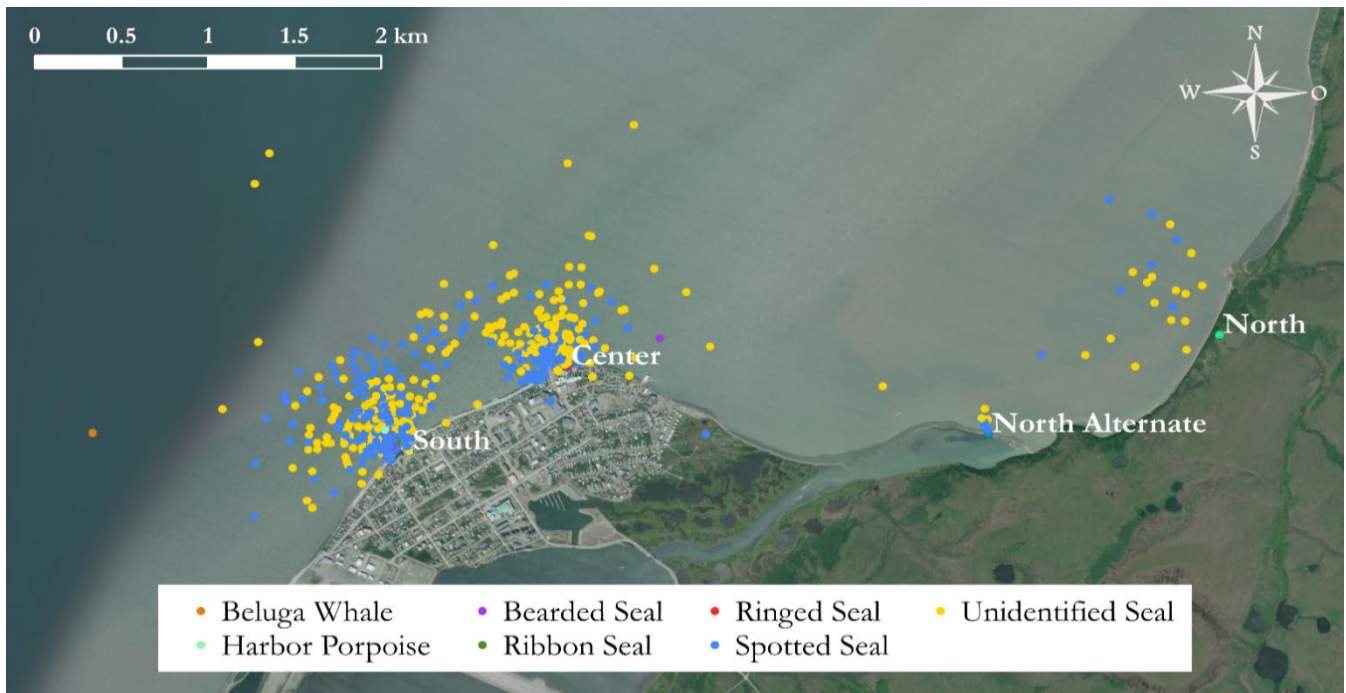


Figure 12. Distribution of animals at first sighting by species

Sightings per observed area were analyzed using a Natural Breaks Jenks methodology and QGIS spatial analysis software to determine the variation in sighting density moving away from the observers. Groupings were selected to minimize variation in distance to first sighting. The number of groupings was increased from 5 until the sum of squared deviations was minimized at 8 groupings (Figure 13). Further increases in number of groupings showed minimal improvement in minimization of variation or created groups too small to be meaningful.

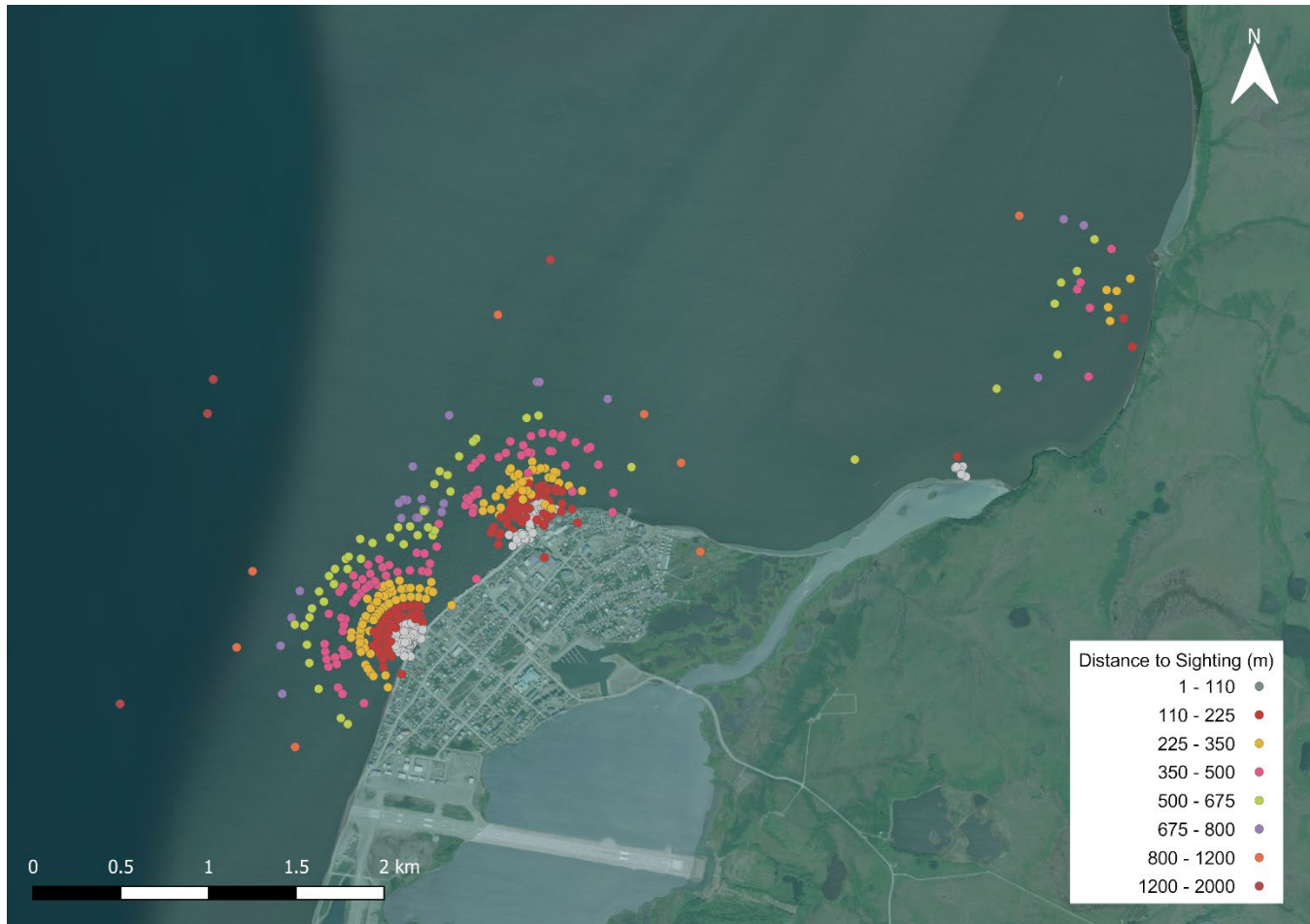


Figure 13. Groupings of sightings by distance to first observation

Groupings were initially intermingled because of occasional changes in observer station locations. Final density analysis was performed using the intersection of sightings with concentric rings spaced using the increments determined in the Natural Breaks Jenks analysis, so groupings were no longer intermingled (Figure 14). Because sighting behavior and distribution was found to be different at the North observer station, those sightings were eliminated from sighting density analysis. Number of individuals sighted was divided by area to determine average sighting density at varying distances from the observers at the South and Center stations. Altogether, observable area covered approximately 15.4 sq km, but density rates were calculated based on the 11.4 sq km visible from stations South and Center.

Past 350 meters, ringed seal sightings were not reported and sightings of other protected species were uncommon. Unidentified seals past 350 meters were assumed to be spotted seals.

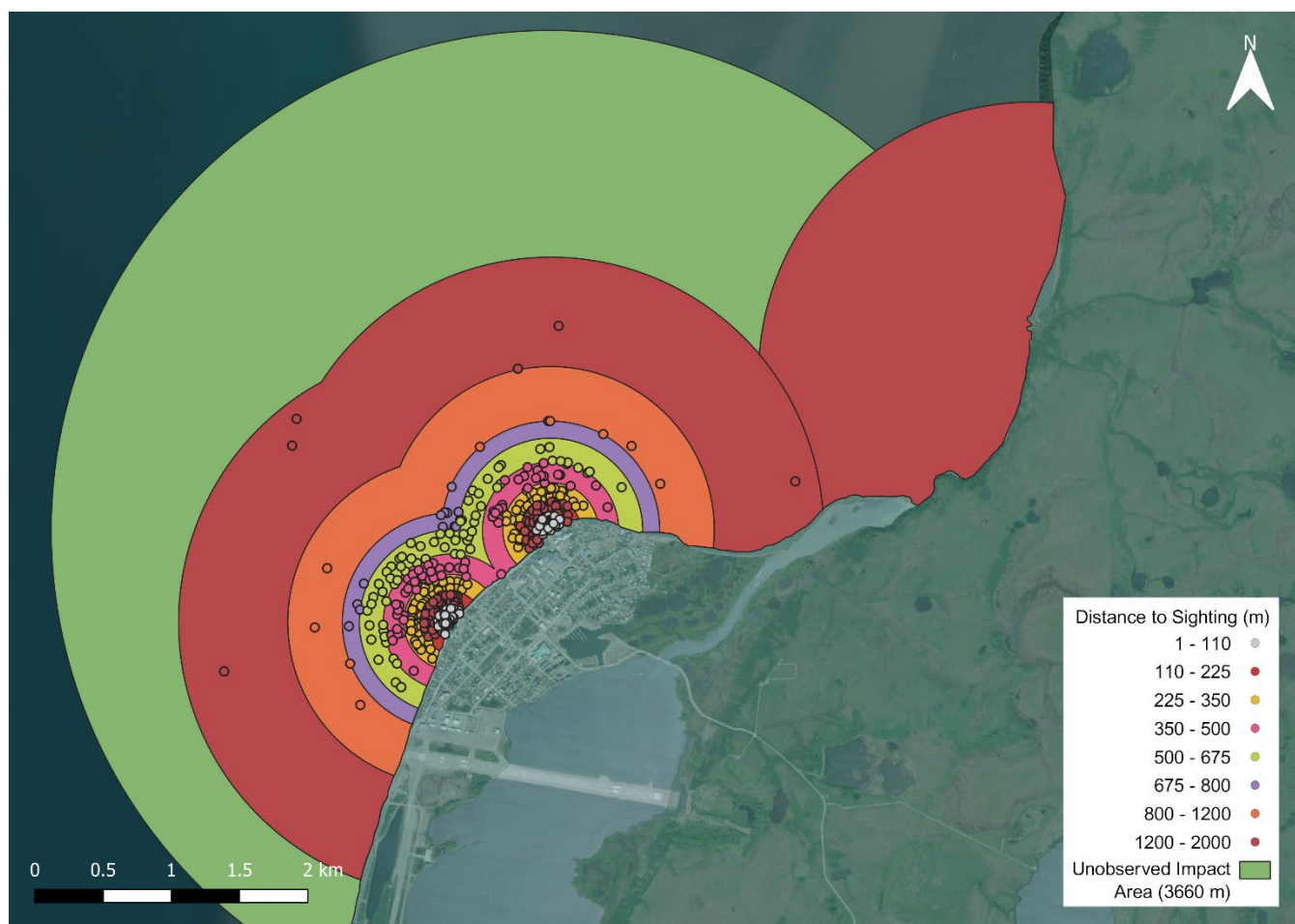


Figure 14. Sighting density rings and unobserved take area

Table 10. Sightings per area by density ring

Distance to First Sighting	No. Sightings	Area (km ²)	Sightings/km ²
1 - 110	333	0.04	7746
110 - 225	189	0.14	1391
225 - 350	122	0.26	474
350 - 500	74	0.47	158
500 - 675	71	0.66	108
675 - 800	13	0.54	24.2
800 - 1200	10	2.19	4.57
1200 - 2000	6	6.45	0.93

Individuals per sighting were skewed in the outer (1200 – 2000 m) ring because of one spotted seal sighting estimated at 175 individuals feeding in a large group. Therefore, an overall average number of individual

spotted seals per sighting (3.54) was applied to the rate of 0.93 sightings/km² to estimate a rate of 3.29 spotted seals per km² in the unobserved impact area.

4.7 Observed Behaviors

PSOs recorded the initial and secondary behaviors (as applicable) of each marine mammal sighting. The initial behavior was defined as the first behavior that observers noticed upon detecting the marine mammal. Secondary behaviors were additional behaviors observed over the duration of the sighting. Marine mammals were observed until they were no longer in view. PSOs also recorded any potential reactions that marine mammals may have had in response to project vessels and project operations. If the animal did not appear to acknowledge the vessel or ongoing project activity, the reaction was coded as no reaction (none). For sightings with more than one animal, the most common behavior of the group was recorded. Construction activity at the time of the sighting was also recorded.

Table 11. Pre- and postconstruction behavior of spotted and unidentified seals¹

Behavior	Primary Behavior			Secondary Behavior		
	Spotted Seals	Unidentified Seals	Total	Spotted Seals	Unidentified Seals	Total
Dead	-	1	1	-	1	1
Dive	41	-	41	74	5	79
Feed	69	-	69	1	-	1
Look	302	26	328	11	-	11
Mill	308	-	308	248	-	248
Sink	13	5	18	147	21	168
Splash	-	1	1	201	1	202
Swim	7	6	13	57	5	62
Swim	-	1	1	1	7	8

No significant changes of behavior were noted between construction season and baseline monitoring. Ringed seals were not observed as frequently and especially seldom in the fringe seasons.

Table 12. Behavior of ringed, spotted, and unidentified seals² during construction

Behavior	Primary Behavior				Secondary Behavior			
	Ringed Seals	Spotted Seals	Unidentified Seals	Total	Ringed Seals	Spotted Seals	Unidentified Seals	Total
Breach	-	1	-	1	-	-	-	-
Dive	101	36	37	174	4	214	232	450

¹ Other species were omitted due to limited number of sightings.

² Other species were omitted due to limited number of sightings.

Behavior	Primary Behavior				Secondary Behavior			
	Ringed Seals	Spotted Seals	Unidentified Seals	Total	Ringed Seals	Spotted Seals	Unidentified Seals	Total
Feed	-	55	32	87	-	95	1	96
Look	9	603	246	858	-	21	6	27
Mill	1	189	244	434	1	183	129	313
Porpoise	-	3	-	3	-	6	-	6
Rest	-	1	-	1	-	2	-	2
Sink	-	9	5	14	2	71	4	77
Splash	-	2	32	34	7	336	290	633
Surface Active	-	-	175	175	-	33	223	256
Swim	4	130	216	350	101	69	127	297
Travel	-	27	28	55	-	26	-	26
Unknown	-	-	1	1	-	-	4	4

Apparent reactions to construction noises (Table 13) were infrequent. When observed, “looking” toward the noise was most common and leaving the initial sighting location occurred only occasionally.

Table 13. Reactions of ringed, spotted, and unidentified seals¹ to construction activity

Reaction to Construction Activity	Ringed Seals	Spotted Seals	Unidentified Seals	Total
Change Direction		1		1
Dive		1	1	2
Look		6		6
None	115	1047	1015	2177
Splash		1		1

When identifiable, animals sighted in the area were most frequently adult. Occasionally pups or juveniles were identified, most often with larger groups.

Table 14. Age distribution of animals sighted (during all activities)

	Adult	Adult/Juvenile	Juvenile	Pup	Unknown
Beluga Whales	5	-	-	-	-
Harbor Porpoises	-	-	-	-	2
Bearded Seals	-	-	1	2	-
Ringed Seals	110	-	-	-	6

	Adult	Adult/Juvenile	Juvenile	Pup	Unknown
Spotted Seals	918	80 ¹	4	-	794
Ribbon Seals	-	-	-	-	1
Unidentified Seals	721	-	-	2	333
Total	1754	80	5	4	1136

4.8 Observed Takes

The IHA authorized Level B harassment takes for nine NMFS-managed marine mammal species. No Level A harassment takes were authorized for this project. No other species of marine mammals were observed. Table 15 summarizes the total number of animals observed during all stages of observation, potential exposures during vibratory pile driving or removal activities, and the number of takes authorized in the IHA.

Only marine mammals sighted during vibratory driving or removal activities were recorded as potential takes. No other project activities resulted in potential harassment. Original reports from observers received quality control review when transferred from daily logs into data sheets, at the end of the project, and when writing this report. In general, take estimates increased, except for the removal of a duplicate count of one group of 100 seals. This entry was clearly noted as a duplicate of one by another observer, so the additional animal count was removed from the sighting totals.

4.9 Assumed Takes

Protected species were sighted up to 2,000 meters from the observer locations, so presence of animals beyond this range was assumed to be unobservable from shore. It is also believed that densities in this area would be low relative to the project area due to the extremely shallow water and absence of significant food sources. For estimations of unobserved take, density of animals in this area was assumed to be similar to the density within the outer ring of observable area, as described in Section 4.6.

The unobserved impact area extended from the observable radius of 2,000 meters to the maximum range of sheet pile driving noise of 3,660 meters (as determined during sound source verification measurements, see the project's Hydroacoustic Monitoring Report for details). The portion of this area unobserved during construction was measured at 17.4 square kilometers (Figure 14). Based on the unobserved area and rate of 3.29 spotted seals per area, an estimate of 58 unobserved spotted seals was calculated. Because one group of feeding seals estimated at 175 individuals was observed in the outer observed ring, the total estimate of unobserved spotted seals was increased to 233 individuals. This number was multiplied by the rate of take per sighting in observed spotted seals (536 takes/ 1,796 sighting) for a total of 70 additional spotted seal takes. Similarly, an estimated 100 additional unidentified seals were taken.

Application of similar methods in other species would result in zero additional takes estimated, as they were not observed in the outer areas or were only sighted very rarely. Instead, an estimate of one additional unobserved group taken during construction was used for other species. A summary of estimated unobserved takes is included in Table 15.

¹ Two mixed groups with a total of 6 individuals positively identified as juveniles, the rest adult or unknown.

Table 15. Total observed animals and observed & allowable level B exposures by species

	Total Number of Animals Observed	Observed Exposures to Vibratory Pile Driving or Removal	Estimated Unobserved Exposures	Allowable Level B Takes
Gray Whales	-	-	-	15
Minke Whales	-	-	-	8
Killer Whales	-	-	-	330
Beluga Whales	5	-	5	4,437
Harbor Porpoises	2	-	2	120
Bearded Seals	3	-	-	1,115
Ringed Seals	116	3	3	6,312
Spotted Seals	1,796	536	70	6,917
Ribbon Seals	1	-	1	8
Unidentified Seals¹	1,056	452	100	N/A
Total	2,979	991	180	19,262

5 Mitigation

No sightings required the implementation of mitigation measures (delay or shutdown) as no animals were within range of Level A harassment and no non-permitted species were sighted. No deaths or injuries were caused by the project.

One sighting, on August 3, was recorded as occurring within one meter of the Center observer station for approximately half an hour. However, as there is no discussion included of the need for shutdown or of how the animal entered or exited the silt curtained area (which would have been noted by the construction crew, as well), this is thought to be a typographic error or not representative of where the animal was during vibratory driving.

Two dead marine mammals were sighted during pre-construction monitoring. The carcasses were suspected to be the remains of subsistence harvest, but were duly reported to the Marine Mammal Stranding Network. After consultation with the Stranding Network, it was determined that no further reports of remains clearly identifiable as subsistence harvest would be needed. No other injuries or deaths of marine mammals were noted.

¹ Based on regional patterns of observation and identified sightings, it is anticipated that most or all of the unidentified seals were spotted or ringed seals.

Appendix A. Observation Logs

SIGHTING LOG ABBREVIATIONS

Selected abbreviations used by observers are included here, with a full list of field descriptions included in the digital logs. Sighting logs from all three stations are below. Full observations and additional fields are included in the digital logs.

Species	
GW	Gray Whale
MW	Minke Whale
KW	Killer Whale
BW	Beluga Whale
HP	Harbor Porpoise
BS	Bearded Seal
RS	Ringed Seal
SS	Spotted Seal
RBNS	Ribbon Seal
UP	Unidentified Pinniped - larger otariid seal species that could not be identified. Describe in Notes.
US	Unidentified Seal - smaller phocid seal species that could not be identified. Describe in Notes.
UMW	Unidentified Mysticete Whale
UTW	Unidentified Toothed Whale
UW	Unidentified Whale - Whale species but no further identifying characteristics visible. Describe in Notes.
UMM	Unidentified Marine Mammal - Certain a marine mammal but no Other characteristics visible for further identification. Describe in Notes.
Other	Marine mammal species not listed. Describe in Notes.

Sighting Cues	
	Initial visual cue that the PSO saw and resulted in a marine mammal sighting.
Birds	Group of birds on water surface or hovering over a particular area, possibly feeding.
Body	Part of the body visible.
Blow	Exhalation visible.
Dorsal	Dorsal fin visible above the water surface.
Fluke	Fluke visible above the water surface.
Footprint	Wake on water surface from animal swimming.
Head	Part of the head visible.
Other	Describe in Notes.
Splash	Splash from marine mammal movement visible.

Behaviors	
Blow	Visible exhalation from a cetacean species.
Breach	Cetacean jumping out of the water.
Dead	Carcass is found. Describe condition in Notes. Complete stranding report.
Dive	Animal dives below the water surface and is not seen again for an extended period of time.
Enter Water	Pinniped enters the water from a haul-out for no obvious reason.
Feed	Animal is feeding or prey is observed in combination with characteristic feeding movement/behavior.
Flipper Slap	Cetacean slapped the water surface with the pectoral fin and produced a splash.
Fluke	Cetacean raises tail before completing a forward dive.
Haulout	Pinniped(s) resting on land or ice.
Lobtail	Cetacean slapped the water surface with fluke vigorously and produced a splash.
Logging	Animal resting at the water surface. Drifting and not Otherwise moving.
Look	Animal looked in any direction above the water surface.
Mill	Animals are slowly moving about while remaining in the same general area.
Other	Behavior not Otherwise captured by the options listed in the drop-down. Describe in the Notes.
Porpoising	Rapid travel at the water surface. Low, arching leaps above the water surface.
Rafting	Group of animals motionless at the surface. Typical for sea otters.
Rest	Animal is motionless at the water surface or on land/ice.
Rush	Rapid movement into the water from the land/ice.
Sink	Pinniped sinks below the water surface in an upright/vertical position.
Slap	Vigorously slapping the water surface with body, flippers, tail, etc.
Splash	Animal moves quickly/vigorously and creates a splash.
Spyhop	Cetacean raises head in a vertical position with eyes above the water surface.
Startle	Rapidly changing behavior, dispersement, or travel that suggests a response to an external event.
Surface active	Several behaviors observed at the surface, including splashing, breaching, lobtailing, etc.
Swim	Animal swimming at the water surface. May include several short shallow dives.
Tail wave	Vertical body position with tail held out of the water. Tail may be moving slowly but slapping/splashing does not occur.
Travel	Steady swimming in one direction.
Unknown	Unable to determine behavior. Enter this in second behavior, if none is observed.

Pace	
ST	Stationary - Animal is not moving. Also use for carcasses.
SL	Slow - Animal is moving slowly. Behaviors look relaxed.
MO	Moderate - Animal is moving at a medium pace.

Pace	
VI	Vigorous - Animal is moving at a rapid pace that suggests it is agitated.
UN	Unknown - Cannot determine the pace of movement/behavior.

Reaction	
None	No reaction observed. The animal continues to behave in same way and at the same pace as when first encountered.
Avoid	Animal maneuvers away from project activities.
Approach	Animal approaches project area.
Increase Speed	Animal was traveling at a certain speed and then increased speed, likely in response to project activities.
Decrease Speed	Animal was traveling at a certain speed and then reduced speed, likely in response to project activities.
Change Direction	Animal was traveling in one direction and then changed course, likely in response to project activities.
Look	Pinniped appears to look at the project activity.
Rush	Rapid movement into the water from the land/ice, likely in response to project activities.
Splash	Animal moves vigorously and creates a splash, likely in response to project activities.
Startle	Animal exhibits a sudden shock or alarmed behavior, likely in response to project activities.
Dive	Animal dives below the water surface and is not seen again for an extended period of time, likely in response to project activities.
Interact with gear	Animal is interacting with project equipment in the water.
Unknown	Unknown if behavior is a reaction to project activities.

Activity	
PRE	Pre-construction watch begins 30 minutes prior to the start of operations
POST	Post-construction watch continues for 30 minutes after operations have ceased
VIB	Vibratory pile installation
VIBR	Vibratory pile removal
STAB	Stabbing - positioning of the piles via a crane
PULL	Deadpull - removal of piles via a crane
SLING	Slinging - over-water slinging of construction materials
DELAY	Operations are delayed because a marine mammal has entered the shutdown zone while the PSO was clearing the area
No Work	Continuous monitoring is occurring but no operations are underway
Wx Down	Operations are ceased due to weather - shut down zone is not visible
SHUT	Operations have been shut down for a marine mammal sighting (authorized species in/near the Level A zone or unauthorized species in/near the Level B zone)
Other	Activity not Otherwise captured by the above categories. Please describe in the Notes.

CENTER OBSERVER SIGHTINGS

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
C0001	07-09-20	11:30	Preconstruction	11:31	BS	Pup	U	1	15	330	NE	Eye	Body	Dead	Unk	ST	None	Dead seal pup carcass drifted from the South, originally detected by PSO at South location at 10:15 (S020).
C0002	07-10-20	15:10	Preconstruction	15:10	BS	Pup	U	1	600	60	X	Eye	Body	Dead	Unk	ST	None	Seal pup carcass found approx. 600 meters NE of Crowley dock center PSO location on beach. Most likely same individual seen the previous day (sighting ID C001)
C0003	07-11-20	10:21	Preconstruction	10:21	US	Adult	U	1	1500	4	N	Eye	Head	Swim	Unk	UN	None	An Unidentified seal observed approx. 1.5km N of the center SO location (bearing of 4°) the animal looked large, most likely an adult individual, dark color dorsal surface and light ventral. Head was initially detected, then dorsal surface was exposed while diving toward a Northerly direction. Too far to see distinguishable features other than it was large.
C0004	07-11-20	14:50	Preconstruction	14:50	US	Adult	U	1	500	355	U	Eye	Head	Look	Sink	SL	None	Could not make out details as seal was far, just saw a small dark seal head quickly before it submerged.
C0005	07-13-20	10:20	Preconstruction	10:20	SS	Adult	U	1	500	341	N	Eye	Head	Look	Swim	SL	None	Detected with binoculars while scanning, head was above water looking at surroundings for a few seconds, then the seal began to swim in a Northerly direction and dove out of sight. Good lighting allowed to see distinguishable spotted coat, and dog-like face.
C0006	07-13-20	15:32	Preconstruction	15:32	US	U	U	1	450	335	U	Eye	Head	Swim	Dive	MO	None	Quick surfacing of seal spotted with naked eye. Submerged before I could get binoculars on it to make ID. Did not resight.
C0007	07-14-20	9:01	Preconstruction	9:01	US	U	U	1	350	330	SW	Eye	Head	Swim	Dive	MO	None	Quick surfacing of seal spotted with naked eye. Submerged before I could get binoculars on it to make ID. Did not resight.
C0008	07-14-20	10:12	Preconstruction	10:26	SS	Adult	U	1	250	25	NE	Eye	Head	Swim	Dive	SL	None	
C0009	07-18-20	9:26	Preconstruction	9:27	SS	Adult	U	1	450	329	N	Eye	Head	Look	Swim	SL	None	Seen through binoculars, distance estimated by naked eye.
C0010	07-18-20	10:13	Preconstruction	10:13	SS	Adult	U	1	300	18	SW	Eye	Head	Look	Swim	MO	None	Moving pretty steadily South, resurfaced at bearing 338 degrees.
C0011	07-18-20	10:39	Preconstruction	10:39	US	Adult	U	1	400	285	S	Eye	Head	Swim	Unk	SL	None	Too brief to distinguish species characteristics, most likely SS.
C0012	07-18-20	15:36	Preconstruction	15:36	SS	Adult	U	1	75	342	NE	Eye	Head	Swim	Dive	SL	None	

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
C0013	07-23-20	13:16	SLING	13:16	US	Adult	U	1	800	30	N	Eye	Head	Look	Swim	MO	None	Distance estimated by eye, too far to determine species, most likely spotted.
C0014	07-27-20	16:05	No Work	16:06	SS	Adult	U	1	500	35	U	Eye	Head	Feed	Dive	SL	None	Seal was chewing on a fish.
C0015	07-28-20	8:24	No Work	8:24	US	U	U	1	200	320	U	Eye	Head	Look	Sink	SL	None	Caught quick glimpse of a seal head out of corner of my eye, it was partially obscured by barge that docks here. Did not resight.
C0016	07-28-20	8:47	No Work	8:48	SS	Adult	U	1	100	350	SW	Eye	Head	Swim	Sink	SL	None	
C0017	07-28-20	10:15	No Work	10:18	SS	Adult	U	1	80	14	SW	Eye	Head	Swim	Sink	SL	None	
C0018	07-28-20	10:42	No Work	10:43	SS	Adult	U	1	50	35	SW	Eye	Head	Look	Swim	SL	None	
C0019	07-28-20	10:46	No Work	10:46	SS	Adult	U	1	200	328	U	Eye	Head	Look	Sink	SL	None	
C0020	07-28-20	11:02	No Work	11:02	US	U	U	1	450	70	U	Eye	Head	Look	Sink	SL	None	Seal surfacing for a quick breath
C0021	07-28-20	11:11	No Work	11:29	SS	Adult	U	1	120	30	SW	Eye	Head	Look	Swim	SL	None	Saw while scanning with binoculars, distance estimated by eye, surfaced again at heading of 26 degrees @ 11:17 and again at 11:29 continuing at a Southerly direction
C0022	07-28-20	11:32	No Work	11:33	SS	Adult	U	1	200	0	U	Eye	Head	Look	Sink	SL	None	
C0023	07-28-20	12:08	No Work	12:20	SS	Adult	U	1	50	350	S	Eye	Head	Look	Dive	SL	None	Closest seal i've seen at center, surfaced to look and breathe with head facing S, re-surfaced in same location at 12:20
C0024	07-28-20	12:26	No Work	12:46	SS	Adult	U	1	100	300	U	Eye	Head	Look	Sink	SL	None	Seal re-surfaced in same spot over a 20 minute period, coat pattern on face is distinguishable enough to notice that it is the same individual.
C0025	07-28-20	13:37	SLING	13:37	SS	Adult	U	1	50	345	U	Eye	Head	Look	Sink	SL	None	Seal surfaced only 50 meters from cell 8 where pile driving just finished, seal did not seem distressed.
C0026	07-28-20	14:39	No Work	14:40	SS	Adult	U	1	100	358	U	Eye	Head	Look	Sink	SL	None	Large one
C0027	07-28-20	16:46	SLING	16:46	SS	Adult	U	1	150	310	SW	Eye	Head	Swim	Dive	MO	None	
C0028	07-29-20	7:23	PRE	7:25	SS	Adult	U	2	80	25	SW	Eye	Head	Look	Dive	SL	Look	Two seals popped up a few meters apart from each Other. No pile driving happening, but stabbing and welding in cell 7 was occurring. Both seals did seem to look at the work happening (seals were NW of work looking towards the dock for nearly a minute)
C0029	07-29-20	7:38	STAB	7:42	SS	Adult	U	1	65	315	SW	Eye	Head	Swim	Dive	MO	None	
C0030	07-29-20	7:49	STAB	7:50	SS	Adult	U	1	80	8	SW	Eye	Head	Swim	Dive	MO	None	
C0031	07-29-20	7:59	STAB	7:59	SS	Adult	U	1	100	335	SW	Eye	Head	Swim	Sink	SL	None	
C0032	07-29-20	8:05	VIB	8:05	SS	Adult	U	1	100	305	SW	Eye	Head	Swim	Look	MO	Change Direction	Seal swam in from SW and was heading NE. Stopped looked toward work zone, changed direction and headed back in the direction it had come (SW).

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
C0033	07-29-20	8:12	SLING	8:12	SS	Adult	U	1	60	340	SW	Eye	Head	Swim	Dive	MO	None	
C0034	07-29-20	8:29	VIB	8:29	SS	Adult	U	1	200	308	W	Eye	Head	Look	Sink	SL	None	
C0035	07-29-20	9:48	STAB	9:48	SS	Adult	U	1	75	8	SW	Eye	Head	Look	Dive	SL	None	
C0036	07-29-20	10:08	PULL	10:13	SS	Adult	U	1	150	10	SW	Eye	Head	Mill	Sink	SL	None	Seal hanging out in the same area, but slowly moving to the SW
C0037	07-29-20	10:36	SLING	10:53	SS	Adult	U	1	100	350	SW	Eye	Head	Mill	Sink	SL	None	Seal hanging around the same area but slowly moving S
C0038	07-29-20	14:28	PRE	14:28	SS	Adult	U	1	200	175	NE	Eye	Body	Swim	Dive	SL	None	
C0039	07-29-20	14:53	SLING	14:53	SS	Adult	U	1	200	30	N	Eye	Body	Swim	Look	SL	None	
C0040	07-29-20	16:18	VIB	16:28	SS	U	U	1	500	26	S	Eye	Head	Swim	Dive	SL	None	VIB occurring from 16:18-16:19 and 16:22-16:28
C0041	07-29-20	16:50	No Work	16:52	SS	Adult	U	1	200	360	U	Eye	Head	Look	Sink	SL	None	
C0042	07-29-20	16:53	No Work	17:05	SS	Adult	U	1	130	300	SW	Eye	Head	Look	Sink	SL	None	Seal hanging around in the same location, resurfacing every couple of minutes.
C0043	07-30-20	7:14	PRE	7:15	SS	Adult	U	1	40	18	SW	Eye	Head	Look	Sink	SL	None	
C0044	07-30-20	8:15	SLING	8:15	US	U	U	1	350	355	U	Eye	Head	Look	Sink	SL	None	Too quick and far out to get ID
C0045	07-30-20	14:07	STAB	14:07	SS	Adult	U	3	200	360	U	Eye	Head	Look	Sink	SL	None	All 3 seals were briefly milling and looking at surroundings approx. 1 meter apart from each Other, they all sunk under water or dove away at the same time.
C0046	07-31-20	12:05	PRE	12:06	SS	Adult	U	1	200	20	S	Eye	Head	Swim	Dive	MO	None	
C0047	08-01-20	7:17	PRE	7:24	SS	U	U	1	200	20	SW	Eye	Head	Dive	Swim	MO	None	Consistent travel parallel travel with multiple surfacings
C0048	08-01-20	7:31	SLING	7:32	US	U	U	1	450	350	SW	Eye	Head	Swim	Sink	SL	None	Too far out and quick to ID
C0049	08-01-20	7:35	SLING	7:35	US	U	U	2	500	315	U	Eye	Head	Look	Sink	SL	None	Quick surfacing of two seal heads, far out
C0050	08-01-20	7:54	VIBR	7:56	SS	U	U	2	300	360	U	Eye	Head	Look	Sink	SL	None	Pair of seals popping up a few times in same area, VIBR on at 7:56
C0051	08-01-20	8:12	SLING	8:12	SS	Adult	U	1	150	340	U	Eye	Head	Look	Sink	SL	None	
C0052	08-01-20	9:57	SLING	9:57	SS	Adult	U	1	300	354	U	Eye	Head	Swim	Dive	SL	None	
C0053	08-01-20	11:15	No Work	11:15	SS	Adult	U	1	150	359	U	Eye	Head	Look	Sink	SL	None	No over water work
C0054	08-01-20	11:28	STAB	11:29	RS	Adult	U	1	100	345	S	Eye	Head	Swim	Dive	SL	None	Photo taken, very clear ringed-seal coat pattern
C0055	08-01-20	12:15	No Work	12:15	US	Adult	U	1	300	18	U	Eye	Head	Look	Sink	SL	None	Too far to distinguish species, could be SS or RS
C0056	08-01-20	16:37	STAB	16:37	US	U	U	1	800	322	W	Eye	Head	Swim	Sink	MO	None	Too far away and in glare. Could not ID to species but either SS or RS
C0057	08-03-20	8:27	STAB	8:28	US	U	U	1	400	355	NE	Eye	Head	Swim	Dive	SL	None	Too far out for ID- either SS or RS
C0058	08-03-20	9:16	SLING	9:16	US	U	U	1	800	1	SW	Eye	Head	Swim	Sink	SL	None	Too far to confirm ID- either SS or RS

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
C0059	08-03-20	9:22	SLING	9:22	US	U	U	1	500	16	NE	Eye	Head	Swim	Sink	SL	None	Too far to ID to species, either SS or RS
C0060	08-03-20	9:55	STAB	10:03	SS	U	U	1	400	355	NE	Eye	Head	Swim	Dive	MO	None	Seal swimming N, re-surfaced multiple times
C0061	08-03-20	10:10	STAB	10:10	US	U	U	1	600	268	SW	Eye	Head	Look	Sink	SL	None	Quick surfacing of a seal head, could not ID to species.
C0062	08-03-20	10:45	SLING	10:45	US	U	U	2	500	311	U	Eye	Head	Look	Dive	SL	None	Quick surfacing of two animals; either SS or RS
C0063	08-03-20	10:48	VIB	10:54	US	U	U	1	600	325	E	Eye	Head	Swim	Dive	SL	None	A few quick surfacings too far to ID to species; either SS or RS. VIB occurring from 10:51 to 10:52.
C0064	08-03-20	11:10	SLING	11:10	US	Adult	U	1	300	55	N	Eye	Head	Swim	Dive	SL	None	Too far to identify to species level
C0065	08-03-20	12:06	No Work	12:06	US	Adult	U	1	600	355	N	Eye	Head	Look	Swim	SL	None	Too far and too brief to identify to species level
C0066	08-03-20	16:15	SLING	16:38	RS	Adult	U	1	50	345	U	Eye	Head	Look	Sink	SL	None	Same seal hanging around in the same area, resurfacing every few seconds
C0067	08-03-20	16:50	VIB	17:17	SS	Adult	U	1	1	320	U	Eye	Head	Look	Sink	SL	None	Same seal surfacing in the same area over a period of time, seen both during VIB and during no over water work. VIB occurring from 17:08 to 17:09, 17:13 to 17:14, and 17:17 to 17:18.
C0068	08-03-20	17:23	VIB	17:48	SS	Adult	U	2	200	320	U	Eye	Head	Look	Sink	SL	None	Seen during both SLING and VIB operations, two seals seen in the same area popping up over a period of time the last surfacing was only one of the seals. VIB occurring from 17:25 to 17:35, 17:38 to 17:39, and 17:45 to 17:46.
C0069	08-04-20	7:11	PRE	7:11	SS	Adult	U	1	100	9	SW	Eye	Head	Swim	Dive	MO	None	
C0070	08-04-20	9:30	SLING	9:30	SS	Adult	U	1	120	318	SW	Eye	Head	Look	Dive	SL	None	
C0071	08-04-20	12:15	No Work	12:15	US	Adult	U	1	200	5	SE	Eye	Head	Swim	Dive	SL	None	Sea state is high hard to ID, SS or RS
C0072	08-04-20	12:53	VIB	15:33	SS	Adult	U	1	100	1	Variable	Eye	Head	Look	Swim	SL	None	Close enough to ID w/ binoculars- pale face easy to distinguish. Surfaced several times in same general area, slowly heading S initially then turned back N, seems curious about dock work. - continued to hang around through shift change and into KMS shift. VIB occurring from 14:33 to 14:34, 14:41 to 14:42, and 15:29 to 15:30.
C0073	08-04-20	16:45	VIB	17:53	SS	Adult	U	3	50	5	U	Eye	Head	Look	Mill	SL	None	At least 3 seals hanging out (all popped up at once) & resighted in area repeatedly. All darker in color than c072. Vib occurring from 17:39 to 17:41 and 17:47 to 17:48.
C0072a	08-04-20	17:03	STAB	17:05	SS	Adult	U	1	60	340	U	Eye	Head	Look	Mill	SL	Look	Same seal as FT Sighted earlier (C072) returned to the area about 1.5 hours after last sighted. Confident that it is the same individual b/c of coat pattern and pale coloration

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
C0074	08-05-20	7:32	STAB	8:09	SS	U	U	1	60	345	U	Eye	Body	Swim	Dive	MO	None	Darker seal hanging around in the area popping up repeatedly every few minutes
C0075	08-05-20	7:57	STAB	8:02	SS	Adult	U	1	50	320	NE	Eye	Head	Look	Dive	SL	None	Lighter in color than Other seal in area
C0076	08-05-20	8:04	STAB	8:06	US	U	U	1	400	300	NW	Eye	Head	Swim	Dive	MO	None	Seal swimming in a northerly, direction, too far out for ID, but either SS or RS
C0077	08-05-20	8:36	VIB	9:15	SS	Adult	U	4	100	45	NE	Eye	Head	Mill	Feed	SL	None	At least 4 seals milling in the area, some appear to be fishing. Seen between 340 and 45 degrees repeatedly diving and popping up every few minutes. Seen as close as 60 m and as far as 150 m. VIB occurring from 9:07 to 9:10.
C0078	08-05-20	11:04	VIB	14:00	SS	Adult	U	1	90	335	Variable	Eye	Head	Look	Mill	SL	None	Seal surfaced several times in same general area slowly making its way South initially then turned N, surfaced seconds before VIB, most likely had noise exposure. VIB occurring from 12:39 to 12:40, 12:45 to 12:46, 12:52 to 12:53, 12:56 to 12:57, 13:55 to 13:56, and 14:00 to 14:02.
C0079	08-05-20	11:37	STAB	11:37	US	U	U	1	500	35	U	Eye	Head	Look	Sink	SL	None	Too far to ID to species level
C0080	08-05-20	11:58	No Work	12:00	US	Adult	U	3	800	2	U	Eye	Head	Look	Mill	SL	None	Too far to identify species, 3 seals milling by fisherman nets.
C0081	08-05-20	15:27	SLING	15:33	US	Adult	U	1	250	315	NE	Eye	Head	Swim	Dive	SL	None	SS or RS, traveling slowly NE
C0082	08-05-20	17:18	VIB	17:20	SS	Adult	U	1	100	310	NE	Eye	Head	Swim	Dive	SL	Look	Multiple surfacings as it moved NE while VIB ops happening (moving very slowly) appeared to look at the work during some surfacings. VIB occurring from 17:19 to 17:20.
C0083	08-06-20	12:04	SLING	13:20	SS	Adult	U	1	80	310	N	Eye	Head	Look	Swim	MO	None	Re-surfaced multiple times in same spot, slowly drifting South initially, then turned to travel N. Seen traveling N surfacing every few mins until too far to see.
C0084	08-06-20	14:05	SLING	14:05	SS	Adult	U	1	30	345	S	Eye	Head	Swim	Dive	MO	None	
C0085	08-06-20	14:49	SLING	14:49	US	U	U	1	200	335	U	Eye	Head	Look	Sink	SL	None	Too far and too brief to ID to species level
C0086	08-06-20	15:40	SLING	15:41	SS	Adult	U	1	250	10	NE	Eye	Head	Swim	Dive	VI	None	Seal moving quickly North
C0087	08-06-20	16:50	SLING	16:58	SS	Adult	U	1	60	320	U	Eye	Head	Look	Sink	SL	None	Popped up again in same spot
C0088	08-07-20	9:04	SLING	9:04	US	U	U	1	650	298	SE	Eye	Head	Swim	Dive	MO	None	Ss/rs
C0089	08-07-20	9:07	SLING	9:09	SS	Adult	U	1	75	306	NE	Eye	Head	Swim	Dive	MO	None	Swimming quickly through and out of area
C0090	08-07-20	9:22	SLING	10:04	SS	Adult	U	5	250	335	Variable	Eye	Head	Mill	Dive	SL	None	Different seals than previous sighting. At least 5 seals diving and surfacing in the same general area together. Seen as close as 100m and as far as 400m. Moving between 310 and 350 degrees

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
C0091	08-07-20	10:24	VIB	10:44	SS	Adult	U	2	100	290	NW	Eye	Head	Swim	Dive	SL	None	Two seals swimming in from the SE headed NW. VIB occurring from 10:42 to 10:44.
C0092	08-07-20	11:37	STAB	11:38	US	Adult	U	1	300	360	U	Eye	Head	Look	Sink	SL	None	Too far and too brief to ID to species level
C0093	08-07-20	12:23	VIB	14:21	SS	Adult	U	2	120	355	Variable	Eye	Head	Feed	Dive	MO	None	Seems like seals are feeding on fish that are caught by net. Fast movements just beneath the water. VIB occurring from 12:31 to 12:32 and 12:38 to 12:39.
C0094	08-08-20	8:43	STAB	8:43	US	U	U	1	150	302	U	Eye	Head	Look	Sink	SL	None	Quick surfacing of an RS or SS, right after VIB stopped
C0095	08-08-20	13:34	SLING	13:34	SS	Adult	U	1	80	330	U	Eye	Head	Look	Sink	SL	None	
C0096	08-10-20	7:57	SLING	7:58	SS	Adult	U	1	50	350	NE	Eye	Head	Swim	Dive	SL	None	
C0097	08-10-20	13:50	SLING	13:50	SS	Adult	U	1	200	275	U	Eye	Head	Look	Sink	SL	None	
C0098	08-10-20	15:29	POST	15:29	US	U	U	1	75	9	SW	Eye	Head	Swim	Sink	SL	None	SS or RS
C0099	08-11-20	7:01	No Work	7:50	SS	U	U	2	70	358	Variable	Eye	Head	Look	Mill	SL	None	Multiple sightings 2 seals hanging out in the area
C0100	08-11-20	7:06	No Work	7:18	US	U	U	1	200	300	NE	Eye	Head	Swim	Sink	SL	None	SS or RS, seals traveled through
C0101	08-11-20	10:18	No Work	10:34	SS	Adult	U	1	100	352	U	Eye	Splash	Feed	Sink	VI	None	Seal actively feeding, seen bursting to the surface chasing fish
C0102	08-11-20	11:05	No Work	11:05	US	Adult	U	1	60	315	U	Eye	Head	Look	Sink	SL	None	Too brief to ID
C0103	08-11-20	11:35	No Work	11:52	SS	Adult	U	1	100	354	N	Eye	Head	Swim	Dive	MO	None	Resurfaced a few times
C0104	08-11-20	11:56	No Work	12:00	SS	Adult	U	1	60	300	N	Eye	Head	Swim	Dive	MO	None	Swimming N at a moderate pace, frequent surfacing
C0105	08-11-20	13:30	Other	13:31	US	U	U	1	200	280	N	Eye	Head	Swim	Look	SL	None	Too far to ID
C0106	08-11-20	15:04	SLING	15:04	SS	Adult	U	1	175	11	U	Eye	Splash	Feed	Dive	VI	None	Chasing fish
C0107	08-11-20	17:11	SLING	17:12	US	U	U	2	300	351	SW	Eye	Head	Swim	Dive	MO	None	SS/RS two seals swimming together
C0108	08-11-20	17:53	SLING	17:53	US	Adult	U	1	150	349	SW	Eye	Head	Swim	Sink	SL	None	Quick surfacing RS or SS
C0109	08-11-20	18:26	POST	18:26	US	U	U	1	150	295	S	Eye	Head	Look	Swim	SL	None	Too brief to ID
C0110	08-12-20	7:24	STAB	7:40	US	U	U	1	150	340	SW	Eye	Head	Swim	Sink	SL	None	SS or RS, seal hanging out
C0111	08-12-20	8:29	SLING	8:29	US	U	U	1	250	322	NE	Eye	Head	Look	Dive	SL	None	RS or SS
C0112	08-12-20	9:03	STAB	9:03	US	U	U	1	200	280	W	Eye	Head	Swim	Dive	SL	None	RS or SS
C0113	08-12-20	9:08	STAB	9:08	SS	Adult	U	1	100	340	U	Eye	Splash	Feed	Porpoise	VI	None	Chasing fish
C0114	08-12-20	9:50	STAB	9:51	US	U	U	1	300	5	SW	Eye	Head	Swim	Dive	SL	Dive	Too far to ID to species- was at surface swimming, but dove at the same time VIB hammer started
C0115	08-12-20	9:57	VIB	9:58	SS	Adult	U	2	150	320	NE	Eye	Head	Look	Dive	MO	Look	Two seals popped up right when VIB hammer turned off & looked at it, then dove when it turned back on. VIB occurring from 9:58 to 9:59.

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
C0116	08-12-20	10:14	SLING	10:14	SS	Adult	U	1	70	36	SW	Eye	Head	Swim	Dive	SL	None	Seen right before VIB started; not within 10 meters, but within approx. 25 meters of the noise. No mitigation required because seal traveling away from work.
C0117	08-12-20	11:17	STAB	11:19	US	U	U	1	300	360	S	Eye	Head	Swim	Dive	VI	None	Traveling fast S, only nose was poking out of water, not enough of the animal exposed to ID
C0118	08-12-20	12:45	SLING	12:46	US	U	U	1	500	15	S	Eye	Head	Look	Swim	MO	None	Too far RS or SS.
C0119	08-13-20	10:49	STAB	10:49	US	U	U	1	500	35	U	Eye	Head	Look	Sink	SL	None	Too quick/too far to ID
C0120	08-13-20	15:31	VIB	16:15	SS	Adult	U	1	65	350	Variable	Eye	Head	Look	Dive	SL	None	Popping up in same area repeatedly. VIB occurring from 16:07 to 16:09.
C0121	08-13-20	15:44	STAB	15:45	US	U	U	1	200	25	S	Eye	Head	Swim	Sink	SL	None	SS or RS
C0122	08-13-20	18:05	STAB	18:05	US	U	U	1	300	309	S	Eye	Head	Swim	Look	MO	None	Too far to ID SS or RS
C0123	08-14-20	9:27	No Work	9:27	US	U	U	1	500	231	W	Eye	Head	Swim	Sink	SL	None	Too far/quick to ID to species
C0124	08-14-20	9:44	VIB	9:55	SS	Adult	U	1	150	319	NE	Eye	Head	Swim	Dive	VI	None	Seal moving rapidly N through area. Seen again during vibe ops @ 09:51 at 100m 342 degrees. VIB occurring from 9:49 to 9:52.
C0125	08-14-20	10:03	SLING	10:03	US	U	U	1	300	285	NE	Eye	Head	Swim	Dive	MO	None	Too far and too brief to get ID
C0126	08-14-20	10:49	SLING	11:19	SS	Adult	U	1	50	332	Variable	Eye	Head	Swim	Dive	SL	None	Stayed in same general area into F'T's shift
C0127	08-14-20	11:50	No Work	11:51	US	Adult	U	1	150	355	N	Eye	Head	Look	Swim	SL	None	RS or SS
C0128	08-14-20	12:07	No Work	12:08	US	U	U	1	500	2	S	Eye	Head	Swim	Dive	SL	None	RS or SS too far to ID
C0129	08-14-20	14:10	SLING	14:10	SS	Adult	U	1	120	8	S	Eye	Head	Swim	Look	SL	None	
C0130	08-14-20	14:24	SLING	14:24	US	U	U	1	300	300	SW	Eye	Head	Look	Sink	SL	None	RS or SS to brief
C0131	08-14-20	14:31	SLING	14:36	US	U	U	1	200	35	W	Eye	Head	Look	Sink	SL	None	Re-surfaced multiple times around same area seem to be attracted to boat activity, too far to ID; SS or RS
C0132	08-15-20	7:14	PRE	7:15	SS	Adult	U	1	60	352	SW	Eye	Head	Swim	Sink	SL	None	
C0133	08-15-20	9:51	STAB	9:51	SS	Adult	U	1	75	18	SW	Eye	Head	Look	Sink	SL	None	Floating S with the current
C0134	08-15-20	12:11	No Work	12:11	US	Adult	U	1	300	330	W	Eye	Head	Swim	Dive	SL	None	RS or SS too far to ID
C0135	08-15-20	12:20	No Work	12:20	US	U	U	1	250	309	U	Eye	Head	Look	Sink	SL	None	RS or SS too far to ID
C0136	08-15-20	19:02	POST	19:02	SS	U	U	1	50	350	U	Eye	Head	Look	Sink	SL	None	After pile driving was complete, seal popped up very close to dock.
C0137	08-17-20	16:18	SLING	16:18	SS	Adult	U	1	100	281	NE	Eye	Head	Look	Dive	SL	None	
C0138	08-17-20	17:39	No Work	17:39	US	U	U	1	500	318	NW	Eye	Head	Look	Sink	SL	None	Too far & quick to ID to species
C0139	08-17-20	17:44	No Work	17:47	US	U	U	1	400	9	SW	Eye	Head	Swim	Sink	SL	None	Too far/too quick to make ID
C0140	08-17-20	18:01	VIB	18:18	US	Adult	U	1	120	360	S	Eye	Head	Look	Swim	SL	None	Too brief RS or SS, Surfaced again 20 meters South at same distance. VIB occurring from 18:04 to 18:06.

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
C0141	08-18-20	9:13	STAB	9:14	US	U	U	1	450	289	S	Eye	Head	Swim	Dive	SL	None	RS or SS
C0142	08-18-20	9:42	VIB	9:46	SS	Adult	U	2	400	279	Variable	Eye	Head	Swim	Dive	SL	None	Two seals hanging around a fishing vessel. VIB occurring from 9:44 to 9:48.
C0143	08-18-20	12:47	No Work	12:48	SS	Adult	U	1	60	25	S	Eye	Head	Swim	Dive	MO	None	Swam at surface for a minute.
C0144	08-20-20	11:58	SLING	11:59	SS	Adult	U	1	60	357	N	Eye	Head	Look	Sink	SL	None	Basking in sun and breathing at surface before sinking
C0145	08-20-20	12:04	No Work	12:04	RS	U	U	1	50	5	U	Eye	Head	Look	Sink	SL	None	Head above water, shorter rostrum, pale coat color.
C0146	08-20-20	17:24	No Work	17:25	SS	Adult	U	1	100	330	NE	Eye	Head	Swim	Dive	SL	None	
C0147	08-20-20	18:09	SLING	18:09	US	Adult	U	1	100	337	N	Eye	Body	Swim	Dive	MO	None	Few mins after VIB of Z-pile. Only body was seen as it swam over swells. RS or SS, too brief to ID
C0148	08-21-20	8:40	SLING	8:51	US	U	U	2	250	39	Variable	Eye	Head	Swim	Sink	SL	None	2 seals could not ID due to fog-but seen repeatedly in same area
C0149	08-21-20	9:00	SLING	9:02	SS	Adult	U	1	55	10	SW	Eye	Head	Travel	Dive	VI	None	
C0150	08-21-20	9:20	No Work	9:21	SS	Adult	U	5	75	5	Variable	Eye	Head	Look	Mill	SL	None	5 seals popped up at once 360-10 degrees. Closest at about 50 meters, farthest at about 100 m.
C0151	08-21-20	10:23	SLING	10:23	US	U	U	1	200	300	SW	Eye	Head	Look	Sink	SL	None	SS or RS - Different area than the Other seals
C0152	08-21-20	11:01	No Work	11:01	US	U	U	1	300	335	U	Eye	Head	Look	Swim	SL	None	Too far to ID SS or RS
C0153	08-21-20	14:05	PRE	14:11	SS	Adult	U	1	100	341	Variable	Eye	Head	Swim	Feed	MO	None	
C0154	08-21-20	14:57	VIB	15:59	SS	Adult	U	1	250	329	Variable	Eye	Head	Splash	Dive	MO	None	Potentially feeding; No work hanging out in the area. VIB occurring from 15:04 to 15:05.
C0155	08-21-20	15:24	SLING	15:48	SS	U	U	1	150	315	NE	Eye	Head	Look	Swim	SL	None	Different than Other seals in the area
C0156	08-21-20	15:39	SLING	16:28	SS	Adult	U	1	100	295	NE	Eye	Head	Swim	Dive	MO	None	Moving N slowly; Different than previous seal-milling
C0157	08-21-20	16:10	SLING	16:10	SS	Adult	U	1	75	320	NE	Eye	Head	Travel	Dive	SL	None	Seal traveling through area from the South
C0158	08-21-20	17:01	SLING	17:01	SS	Adult	U	1	100	340	U	Eye	Head	Look	Sink	SL	None	
C0159	08-22-20	7:51	SLING	7:52	RS	Adult	U	1	80	42	SW	Eye	Head	Look	Sink	SL	None	Floating SW with the current
C0160	08-22-20	8:45	STAB	8:46	SS	Adult	U	2	50	326	SW	Eye	Head	Look	Sink	SL	None	2 seals popped up together
C0161	08-22-20	13:24	SLING	13:24	US	U	U	1	250	15	U	Eye	Head	Look	Sink	SL	None	Too far to ID
C0162	08-22-20	17:27	VIB	17:27	US	U	U	1	350	331	SW	Eye	Head	Swim	Sink	MO	None	Quick surfacing; RS or SS. VIB occurring from 17:27 to 17:28.
C0163	08-26-20	16:07	STAB	16:08	US	U	U	1	1200	350	S	Eye	Head	Splash	Dive	VI	None	Single splash followed by brief swim and dive. No identifying characteristics observed.
C0164	08-27-20	9:07	No Work	9:07	US	Adult	U	1	600	321	NW	Eye	Head	Sink	Swim	SL	None	Seal's head seen once, not observed again.

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
C0165	08-27-20	9:46	VIB	9:53	SS	Adult	U	1	650	291	ENE	Eye	Head	Sink	Swim	MO	None	Driving of temporary spud piling 09:49 to 09:51. Animal observed several times swimming east north east, between sinking. Identified by long snout, dark back.
C0166	08-27-20	10:16	SLING	12:18	SS	Adult	U	3	600	298	NE	Eye	Head	Mill	Sink	SL	None	3 tightly grouped seals. Identified by long snout, dark back, size. Shift change - kl - still milling in same area 11:00, 11:30, only one seal sighted at 11:40, all 3 at 11:55.
C0167	08-27-20	12:04	No Work	13:14	SS	Adult	U	2	400	10	X	Eye	Head	Look	Sink	SL	None	Seals milling, looking and sinking to the northeast of dock face - 12:40 - swimming SW in front of project area. Last seen 13:14 swimming SW.
C0168	08-27-20	13:37	VIB	16:09	SS	Adult	U	3	600	310	NE	Eye	Head	Swim	Dive	MO	None	First seen while welding template, seals swimming in tide line. Stabbing at 13:55. Sheet piling (VIB) at 14:50.
C0169	08-28-20	7:39	VIB	9:23	US	Adult	U	2	800	281	SW	Eye	Head	Mill	Swim	SL	None	Side profiles of two seal heads just visible in tide rip SW of dock. Too distant to identify. VIB occurred 08:20-08:21; 08:27-08:29; 08:43.
C0170	08-28-20	8:04	VIB	9:44	SS	Adult	U	2	500	9	NE	Eye	Head	Mill	Swim	MO	None	Pair of seals traversing tide rip back and forth. Clearly identified by dark back and spots on side and belly. VIB occurred at 08:20-0821; 08:27-08:29; 08:43.
C0171	08-28-20	8:14	VIB	10:58	US	Adult	U	1	400	350	W	Eye	Head	Sink	Swim	MO	None	Seal observed occasionally and briefly following tide rip back and forth in between submersion. VIB occurred from 08:20-08:21; 08:27-08:29; 10:09; 10:18; 10:27.
C0172	08-28-20	12:18	No Work	12:25	US	Adult	U	1	600	0	W	Eye	Head	Swim	Sink	SL	None	Slowly swimming in tide line with gulls.
C0173	08-28-20	14:55	STAB	15:05	SS	Adult	U	1	150	350	E	Eye	Wake	Swim	Sink	SL	None	Slowly swimming east.
C0174	08-28-20	15:02	STAB	15:06	US	Adult	U	1	400	8	E	Eye	Wake	Sink	Swim	SL	None	Brief sighting of head.
C0175	08-31-20	8:02	No Work	8:02	US	Adult	U	1	400	85	S	Eye	Head	Sink	Swim	SL	None	Sighted once, very briefly.
C0176	08-31-20	9:12	SLING	9:54	US	Adult	U	2	200	5	E	Eye	Head	Look	Sink	MO	None	Man basket slinging over dock at time of first sighting. Seen very briefly again at 09:38, 09:45, 09:54.
C0177	08-31-20	10:01	No Work	12:11	SS	Adult	U	1	150	340	E	Eye	Head	Look	Sink	SL	None	Seen lifting snout to sky before sinking. Distinct spots under chin.
C0178	08-31-20	11:45	No Work	11:45	US	Adult	U	1	75	40	NE	Eye	Head	Swim	Sink	SL	None	Seal popped up between dock face and anchored ship, swam slowly to east, sank, was not seen again.
C0179	08-31-20	13:06	No work	13:27	SS	Adult	U	1	75	359	E	Eye	Wake	Swim	Dive	MO	None	Swimming east along dock face.
C0180	09-02-20	8:13	Other	12:40	SS	Adult	U	5	100	345	X	Eye	Head	Feed	Mill	MO	None	Seals swimming between dives. At 9:22 1 seal in the group seen splashing, observed with fish in its mouth. Gravel backfill operations.

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
C0181	09-02-20	9:51	Other	12:42	US	Adult	U	3	800	295	X	Eye	Head	Mill	Swim	MO	None	Gravel fill ops underway
C0182	09-02-20	14:23	Other	14:24	SS	Adult	U	1	75	20	E	Eye	Head	Look	Sink	SL	None	Seal looking and sinking, swimming east. Gravel backfill/compacting ops
C0183	09-02-20	15:40	SLING	15:42	SS	Adult	U	1	200	320	E	Eye	Head	Swim	Dive	SL	None	Slinging and stabbing operations (not in water)
C0184	09-02-20	16:34	SLING	18:03	US	Adult	U	3	550	290	E	Eye	Head	Swim	Dive	SL	None	
C0185	09-08-20	13:40	VIB	19:50	SS	Adult	U	3	100	50	NE	Eye	Head	Mill	Swim	SL	None	Milling in the same general area to the northeast of the dock - 14:42 - all swimming southwest, 400 meters away. 15:30 on, seen periodically milling. VIB 17:51-17:52, 19:07, 19:18-19:20. VIBR 17:49-17:50, 18:51-18:52, 19:12-19:13
C0186	09-08-20	13:52	No work	14:06	SS	Adult	U	1	250	315	E	Eye	Head	Swim	Dive	SL	None	Milling in area. 14:06 - boats came through, not seen again.
C0187	09-08-20	14:33	SLING	15:20	SS	Adult	U	1	75	325	SW	Eye	Wake	Swim	Dive	SL	None	
C0188	09-08-20	17:14	VIB	19:50	SS	Adult	U	2	450	47	E	Eye	Head	Feed	Mill	VI	None	Seal seen chasing salmon. VIB 17:51-17:52, 19:07, 19:18-19:20. VIBR 17:49-17:50, 18:51-18:52, 19:12-19:13
C0189	09-09-20	9:39	SLING	11:04	US	Adult	U	1	200	95	NE	Eye	Head	Dive	Swim	MO	None	Seen briefly among whitecaps, periodically afterwards.
C0190	09-09-20	11:29	Other	14:50	SS	Adult	U	2	150	350	E	Eye	Head	Dive	Swim	MO	None	Milling in same area 12:10, 13:24, 13:54, 14:00, 14:50.
C0191	09-09-20	13:04	SLING	13:05	SS	Adult	U	1	50	20	W	Eye	Head	Look	Sink	SL	None	
C0192	09-09-20	14:44	VIB	18:00	SS	Adult	U	2	50	35	W	Eye	Head	Look	Dive	MO	None	Swimming slowly along dock face. VIB ON: 15:01, 15:04, 16:32, 16:34, 16:43, 16:48, 16:50, 16:53, 16:54, 16:56, 16:59, 17:01
C0193	09-10-20	8:17	No work	8:50	SS	Adult	U	2	80	5	E	Eye	Head	Dive	Swim	MO	None	
C0194	09-12-20	7:50	VIB	13:20	SS	Adult	U	7	50	351	NE	Eye	Head	Mill	Look	SL	None	Seals seen periodically along tide rip between 50 and 150 meters out, looking between sinking.
C0195	09-12-20	7:52	VIB	13:20	US	Adult	U	3	180	70	E	Eye	Head	Mill	Dive	SL	None	Milling to east of dock face.
C0196	09-12-20	11:19	VIB	13:20	SS	Adult	U	3	40	10	E	Eye	Head	Look	Sink	SL	None	
C0197	09-12-20	16:58	VIB	17:07	SS	Adult	U	1	150	50	E	Eye	Head	Look	Sink	SL	None	
C0198	09-12-20	17:05	VIB	17:40	SS	Adult	U	25	120	65	NW	Eye	Birds	Feed	Travel	VI	None	Group traveling together in NW direction first seen at 250m, bearing 065, then closest at 120 meters, bearing 359. Seen splashing and in pursuit of prey. Milled in one area briefly, continuing out of sight into the glare to the west, leaving some individuals from group behind. Similar behavior observed before, after and during VIB.
C0199	09-12-20	17:44	VIB	20:39	SS	Adult	U	3	200	290	E	Eye	Head	Mill	Sink	MO	None	

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
C0200	09-13-20	8:00	VIB	11:00	US	Adult	U	13	250	340	NW	Eye	Head	Mill	Dive	SL	None	Seals drifting west with tide in between dives, sometimes swimming east
C0201	09-13-20	8:55	VIB	11:00	SS	Adult	U	2	150	280	N	Eye	Splash	Feed	Splash	VI	None	One seal chasing prey with another nearby
C0202	09-13-20	10:05	VIB	10:23	US	Adult	U	1	40	7	NE	Eye	Splash	Feed	Splash	VI	None	Thrashing about with a salmon in its mouth.
C0203	09-14-20	8:01	VIB	10:05	SS	Adult	U	8	170	312	W	Eye	Head	Sink	Dive	SL	None	Seals surface 170-250 meters out.
C0204	09-14-20	15:55	SLING	16:00	SS	Adult	U	1	75	10	S	Eye	Head	Look	Sink	SL	None	Looked, sank and was not seen again.
C0205	09-14-20	17:35	STAB	17:36	SS	Adult	U	1	50	360	E	Eye	Body	Swim	Dive	MO	None	Swimming parallel to dock face.
C0206	09-14-20	17:53	VIB	21:13	SS	Adult	U	3	80	245	NE	Eye	Head	Look	Dive	MO	None	
C0207	09-14-20	18:32	VIB	21:13	US	Adult	U	7	180	255	NE	Eye	Head	Dive	Swim	MO	None	Group of seals near shore to west of site.
C0208	09-14-20	18:44	VIB	21:13	US	Adult	U	3	250	344	E	Eye	Head	Dive	Swim	MO	None	
C0209	09-15-20	8:41	VIB	10:03	US	Adult	U	2	160	305	NE	Eye	Head	Dive	Swim	MO	None	
C0210	09-15-20	8:55	VIB	9:50	SS	Adult	U	1	70	345	E	Eye	Head	Dive	Swim	MO	None	
C0211	09-15-20	10:03	VIB	10:46	US	Adult	U	17	350	289	E	Eye	Head	Travel	Splash	VI	None	Group of seals traveling along tide rip east to west. Closest point of approach 224 m at 10:37.
C0212	09-15-20	10:55	VIB	13:10	SS	Adult	U	4	65	360	N	Eye	Head	Dive	Swim	MO	None	
C0213	09-15-20	13:10	VIB	13:30	SS	Adult	U	10	75	360	E	Eye	Body	Swim	Dive	MO	None	Group swimming to the east.
C0214	09-15-20	14:43	VIB	15:00	US	Adult	U	16	100	360	E	Eye	Head	Swim	Dive	MO	None	Group swimming to the east.
C0215	09-15-20	15:39	VIB	16:00	SS	Adult	U	8	75	260	E	Eye	Body	Swim	Dive	MO	None	Group swimming to the east.
C0216	09-15-20	15:44	VIB	15:48	SS	Adult	U	1	40	15	W	Eye	Head	Splash	Swim	MO	Splash	Single animal swimming past dock. When the VIB went on the animal splashed and dove - the VIB continued and the animal continued swimming normal past.
C0217	09-15-20	16:17	No work	16:20	US	Adult	U	30	200	360	E	Eye	Body	Swim	Dive	MO	None	Large group swimming/traveling east.
C0218	09-15-20	16:21	SLING	18:04	US	Adult	U	10	200	315	X	Eye	Head	Mill	Swim	SL	None	Several seals milling and swimming in same general area.
C0219	09-15-20	16:40	VIB	18:11	US	Adult	U	5	70	358	NE	Eye	Head	Mill	Dive	MO	None	
C0220	09-15-20	19:38	VIB	21:17	US	Adult	U	3	180	10	E	Eye	Splash	Splash	Dive	VI	None	
C0221	09-16-20	8:34	VIB	12:30	US	Adult	U	3	225	342	NE	Eye	Head	Mill	Dive	MO	None	Seals slowly moving northeast.
C0222	09-16-20	8:44	VIB	12:30	SS	Adult	U	3	70	40	E	Eye	Body	Look	Sink	SL	None	Seals move back and forth, east and then west, near dock face.
C0223	09-16-20	12:05	STAB	12:30	US	Adult	U	2	180	290	NE	Eye	Head	Dive	Swim	MO	None	
C0224	09-16-20	16:21	VIB	18:04	US	Adult	U	10	200	315	X	Eye	Head	Mill	Swim	SL	None	
C0225	09-16-20	16:40	VIB	18:11	US	Adult	U	5	70	358	NE	Eye	Head	Mill	Dive	MO	None	
C0227	09-16-20	18:31	VIB	20:30	US	Adult	U	4	250	280	E	Eye	Head	Mill	Dive	SL	None	
C0226	09-16-20	19:38	VIB	21:17	US	Adult	U	3	180	10	E	Eye	Head	Splash	Dive	VI	None	

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
C0235	09-17-20	8:44	VIB	11:15	US	Adult	U	9	250	290	X	Eye	Head	Mill	Dive	MO	None	
C0228	09-17-20	10:09	VIB	11:40	US	Adult	U	2	400	295	X	Eye	Birds	Dive	Swim	MO	None	Group of birds leads observer to distant seals.
C0229	09-17-20	11:01	VIB	11:36	US	Adult	U	5	170	10	NE	Eye	Head	Travel	Dive	MO	None	Seals traveling in a line in NE direction.
C0230	09-17-20	11:47	Other	15:00	US	Adult	U	7	160	300	NE	Eye	Birds	Dive	Swim	MO	None	Seals running NE along tide rip.
C0231	09-17-20	15:35	VIB	17:04	SS	Adult	U	1	75	10	SW	Eye	Head	Swim	Sink	SL	None	Seal slowly swimming along dock.
C0232	09-17-20	16:11	VIB	17:45	SS	Adult	U	4	200	250	X	Eye	Head	Mill	Sink	SL	None	4 seals in the tide line.
C0233	09-17-20	16:51	VIB	20:22	US	Adult	U	7	125	310	E	Eye	Head	Dive	Swim	MO	None	
C0234	09-17-20	17:01	STAB	17:55	SS	Adult	U	3	50	360	X	Eye	Head	Mill	Sink	SL	None	
C0236	09-18-20	9:01	VIB	11:00	US	Adult	U	1	120	20	X	Eye	Head	Feed	Dive	MO	None	Seen eating fish at 9:49.
C0237	09-18-20	10:31	VIB	11:30	SS	Adult	U	1	40	352	X	Eye	Head	Dive	Splash	VI	Dive	At 11:07, seal made abrupt dive at start of sheet VIB. Seal was 70 meters from sound source. Flippers caused splash during dive.
C0238	09-18-20	10:35	VIB	12:00	US	U	U		2000	290	X	Eye	Head	Feed	Swim	MO	None	Roughly 100 seals seen at bearing 290. South station PSOs inform that the seals are feeding. At 11:30 and 1200 m out, seals seen to stop movement east. *Same as south station sighting #S475. Construction Activity not reported, so "Other" substituted.
C0239	09-18-20	11:45	Other	12:00	RS	Adult	U	100	40	5	N	Eye	Head	Dive	Swim	MO	None	Construction Activity not reported, so "Other" substituted.
C0240	09-18-20	13:32	VIB	13:32	SS	Adult	U	1	40	280	E	Range	Head	Feed	Mill	MO	None	Single seal milling along the sea wall south of the project area. Observed with flounder to northeast at 16:02.
C0241	09-18-20	13:58	SLING	14:11	SS	Adult	U	2	200	320	NE	Eye	Head	Swim	Dive	MO	None	Swimming NE in the tide line.
C0242	09-18-20	15:16	VIB	18:13	US	Adult	U	4	200	300	X	Eye	Head	Mill	Swim	SL	None	Seals milling and swimming in the tide line.
C0243	09-18-20	15:24	SLING	16:10	US	Adult	U	1	150	50	SW	Eye	Body	Swim	Dive	MO	None	Possible ringed seal.
C0244	09-18-20	16:30	VIB	19:10	US	Adult	U	13	750	290	E	Eye	Head	Mill	Swim	MO	None	Group of seals spread out along tide line with birds.
C0245	09-19-20	8:01	VIB	11:45	US	Adult	U	1	500	360	X	Eye	Head	Mill	Dive	MO	None	
C0246	09-19-20	9:04	VIB	10:34	SS	Adult	U	2	30	355	E	Eye	Head	Dive	Swim	MO	None	
C0247	09-19-20	10:39	VIB	10:42	SS	Juv	U	1	20	40	N	Eye	Head	Dive	Swim	MO	None	Seen at 40m then 2 minutes after at 60m. Not seen again. ID'ed by spots around face.
C0248	09-19-20	12:05	VIBR	17:45	US	Adult	U	6	400	315	NE	Eye	Head	Mill	Dive	SL	None	Seals milling around on tide line.
C0249	09-19-20	13:14	VIB	14:20	SS	Adult	U	1	150	270	N	Eye	Head	Swim	Dive	MO	None	Large splash near the wall. Then swimming and diving.
C0250	09-19-20	15:28	VIB	18:00	US	Adult	U	1	200	45	W	Eye	Head	Swim	Sink	SL	None	16:30, still in area. 17:16, 17:50
C0251	09-19-20	18:48	VIB	20:08	US	Adult	U	3	300	310	X	Eye	Head	Mill	Dive	MO	None	

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
C0252	09-19-20	19:24	VIB	20:08	US	Adult	U	3	250	30	X	Eye	Head	Mill	Dive	SL	None	
C0253	09-20-20	8:39	VIB	20:09	US	Adult	U	6	400	305	X	Eye	Head	Mill	Dive	SL	None	Seals mill along tide line. Fog at 9:15, seals seen periodically after.
C0254	09-20-20	8:41	VIB	12:13	US	Adult	U	3	180	350	X	Eye	Head	Mill	Look	MO	None	Seals continue on same course until 8:45, then mill to SW of dock face. By 9:30 north of dock face.
C0255	09-20-20	10:32	VIB	13:15	US	Adult	U	4	220	45	X	Eye	Head	Mill	Dive	SL	None	
C0256	09-20-20	11:32	VIB	12:30	RS	Adult	U	1	50	350	S	Eye	Head	Look	Sink	MO	None	ID'ed by rings on back, wide, short snout.
C0257	09-20-20	15:14	VIB	15:42	US	Adult	U	2	200	10	SW	Eye	Head	Swim	Dive	MO	None	Swimming to the southwest.
C0258	09-20-20	16:13	VIB	20:09	US	Adult	U	3	150	45	SW	Eye	Splash	Splash	Swim	SL	None	Saw a splash then 2 seals come up together, on a juvenile. A third was 50 m from them. All swimming to the SW.
C0259	09-20-20	16:18	VIB	20:09	SS	Adult	U	1	70	260	E	Eye	Wake	Swim	Dive	MO	None	Saw wake then seal dove. Seen periodically after.
C0260	09-20-20	17:22	VIB	20:09	RS	Adult	U	1	40	340	E	Eye	Head	Dive	Swim	MO	None	
C0261	09-21-20	8:01	VIB	10:04	US	Adult	U	22	250	360	X	Eye	Head	Mill	Dive	MO	None	Seals spread in front of dock and to SW.
C0262	09-21-20	10:11	VIB	12:30	SS	Adult	U	4	40	50	N	Eye	Head	Dive	Swim	MO	None	
C0263	09-21-20	13:38	VIB	15:00	US	Adult	U	3	150	320	X	Eye	Head	Mill	Sink	SL	None	3 seals bobbing in same area.
C0264	09-21-20	16:13	VIB	20:09	US	Adult	U	1	60	340	NE	Eye	Head	Dive	Swim	MO	None	
C0265	09-22-20	8:05	Other	11:40	SS	Adult	U	4	120	355	X	Eye	Head	Look	Sink	SL	None	Backfill ops.
C0266	09-22-20	8:31	Other	17:24	US	Adult	U	2	280	10	NE	Eye	Head	Mill	Dive	SL	None	2 seals with a meter of one another. Seals move SW to 010 bearing at 11:28 then stay in the area.
C0267	09-23-20	8:21	Other	8:58	SS	Juv	U	1	30	350	X	Eye	Head	Look	Sink	MO	None	Seal looks, sinks, then repeatedly dove in same area. Identified as juvenile by size. Seen moving NE at 8:51. Backfill ops.
C0268	09-23-20	8:49	Other	9:04	US	Adult	U	1	200	360	E	Eye	Head	Dive	Swim	MO	None	Backfill ops.
C0269	09-23-20	9:09	Other	12:25	US	U	U	6	300	5	E	Eye	Birds	Splash	Dive	VI	None	Birds then seal seen following tide line east. Backfill ops.
C0270	09-23-20	12:56	Other	18:30	SS	U	U	5	75	40	X	Eye	Head	Look	Dive	MO	None	Originally three seals. Closest seal seen looking at construction site. Three seals joined by two smaller seals at 13:45. Group down to 2 seals by 15:00. Backfill ops.
C0271	09-23-20	13:32	Other	13:32	US	U	U	1	1000	65	X	Eye	Head	Look	Sink	MO	None	Seen on Other side of construction site. Normal head out-of-water behavior. Backfill ops.
C0272	09-23-20	13:57	Other	16:32	US	U	U	3	400	310	X	Eye	Head	Dive	Swim	MO	None	Three seals from 400-600 m around the same bearing. Moved within 200 m at bearing 280 at 1500. Backfill ops.
C0273	09-23-20	16:49	Other	17:35	US	Adult	U	1	400	5	X	Eye	Head	Sink	Swim	SL	None	Backfill ops.

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C0274	09-24-20	8:32	Other	10:30	SS	U	U	9	200	5	X	Eye	Head	Look	Sink	SL	None	5 seals joined original 4 for 9 seals. Later just the disturbance of water observed, and a seagull catching a fish. Backfill ops.
C0275	09-24-20	11:00	Other	11:40	US	U	U	10	1000	45	X	7x50	Splash	Look	Dive	MO	None	Seals all seen at the surface at once at a distance of 1000-1400m, most grouped within 100m of one another. Backfill ops.
C0276	09-24-20	11:50	Other	12:00	SS	U	U	1	50	360	X	Eye	Head	Look	Sink	SL	None	Compacting in progress.
C0277	09-24-20	12:07	No work	17:00	SS	U	U	13	500	30	X	Eye	Head	Look	Mill	SL	None	Group grows to 13 in number over time.
C0278	09-24-20	16:15	No work	18:00	SS	U	U	5	150	320	X	Eye	Head	Look	Sink	SL	None	
C0279	09-24-20	18:11	No work	19:32	SS	U	U	1	150	5	N	Eye	Head	Look	Sink	SL	None	
C0280	09-25-20	8:48	No work	10:15	SS	Adult	U	2	30	350	NE	Eye	Head	Dive	Swim	MO	None	One seal joined by another at 9:24. Birds present.
C0281	09-25-20	9:27	No work	10:15	US	Adult	U	2	200	40	X	Eye	Head	Look	Sink	SL	None	
C0282	09-25-20	10:01	No work	11:42	SS	Adult/Juv	U	8	20	20	X	Eye	Splash	Feed	Look	VI	None	8 seals chasing small fish among birds. 2 smaller seals ID'ed as juveniles.
C0283	09-25-20	10:11	No work	12:00	US	U	U	30	350	360	X	Eye	Head	Feed	Splash	VI	None	Seals following tide line west form bearing 300-020 degrees. Splashing, birds, presence of small fish indicate feeding.
C0284	09-25-20	12:07	No work	15:35	SS	U	U	32	500	270	N	Eye	Head	Look	Sink	SL	None	
C0285	09-25-20	16:23	Other	17:09	US	Adult	U	1	600	290	X	Eye	Head	Dive	Swim	SL	None	Activity - Other- Moving equipment at dock.
C0286	09-25-20	16:26	Other	18:00	SS	Adult	U	3	200	10	X	Eye	Head	Mill	Dive	SL	None	Activity - Other- Moving equipment at dock.
C0287	09-25-20	17:25	No work	19:33	SS	Adult	U	1	15	5	S	Eye	Head	Look	Sink	SL	None	
C0288	09-26-20	8:04	Other	10:15	SS	Adult	U	16	200	360	X	Eye	Head	Mill	Dive	SL	None	Seals spread out along tide line.
C0289	09-26-20	10:03	Other	11:07	SS	Adult	U	3	40	350	W	Eye	Head	Mill	Dive	SL	None	An adult and juvenile mill together with a second adult near.
C0290	09-26-20	11:30	Other	16:46	US	Adult	U	175	2000	300	X	Eye	Splash	Surface Active	Splash	MO	None	Seals in a frenzy of splashing and diving, likely feeding.
C0291	09-26-20	17:44	VIB	21:18	SS	Adult	U	3	150	30	X	Eye	Head	Mill	Dive	SL	None	Vib (out of water)
C0292	09-26-20	18:01	VIB	19:10	SS	Adult	U	25	400	45	NW	Eye	Head	Travel	Splash	VI	None	Group of seals travels SW with birds.
C0293	09-27-20	9:58	Postconstruction	9:59	US	Pup	U	1	25	5	X	Eye	Head	Look	Sink	MO	None	Very small young seal.
C0294	09-27-20	10:11	Postconstruction	10:30	US	U	U	12	100	300	X	Eye	Splash	Look	Sink	MO	None	Seals from 300-350 degrees, 100-200m, looking and sinking.
C0295	09-27-20	10:40	Postconstruction	13:00	SS	U	U		150	290	E	Eye	Head	Swim	Dive	MO	None	Same as south station sighting #S509. Bulk of 81 seals 290-360 degrees, 150-300m, swimming east along shore against current. 11:09 - 122 visible at once.

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
C0296	09-27-20	15:09	Postconstruction	17:17	SS	Adult	U	41	50	350	X	Eye	Head	Look	Dive	MO	None	Sighting C295 Cont'd. Activity: Other - moving equipment in yard. Last seen 17:17.
C0297	09-27-20	17:06	Postconstruction	17:53	SS	Adult	U	3	1000	95	X	Eye	Head	Dive	Swim	MO	None	Northeast of construction site. VIB bollard piles (OUT OF WATER)
C0298	09-28-20	9:11	Postconstruction	13:00	SS	Adult	U	33	300	360	X	Eye	Head	Mill	Sink	MO	None	Backfill ops. 29 @ 9:11, 8 within 300m @ 9:34, 3 within 300 m @ 10:35, 15 within 300m @ 10:59, 20 within 300m @ 11:33, 11 within 300m @ 12:30, 8 within 300m @ 12:59
C0299	09-28-20	15:08	Postconstruction	19:00	SS	U	U	15	200	290	X	Eye	Head	Mill	Sink	MO	None	Backfill ops. Large group in distance to west @ 15:08, 15 within 250m @ 15:31, 6 within 250m @ 17:01, 8 within 300m @ 18:13, 6 within 300m @ 18:58.
C0300	09-29-20	9:03	Postconstruction	19:00	SS	Adult	U	32	20	10	X	Eye	Head	Dive	Swim	SL	None	Backfill ops / compacting main activity. 6 seals at 09:03; 16 at 10:29; 21 at 11:44; 32 at 12:47. The number of seals remaining from this group stayed around 10 after 16:00.
C0301	09-30-20	9:11	Postconstruction	11:28	SS	U	U	19	60	345	X	Eye	Head	Look	Mill	SL	None	2 seals near observer, Others first sighted at 120-150m. Increased wind, chop, whitecaps reduce distant sightability. Located further east by splashing at 11:08.
C0302	09-30-20	10:58	Postconstruction	11:58	US	Adult	U	1	250	40	NW	Eye	Splash	Splash	Dive	VI	None	Large splash and birds, then seal's head seen.
C0303	09-30-20	12:17	Postconstruction	13:00	US	U	U	4	500	285	E	Eye	Head	Sink	Swim	SL	None	Distant seals seen tilting heads upwards and sinking.
C0304	09-30-20	12:21	Postconstruction	13:00	SS	Adult	U	6	25	5	E	Eye	Head	Look	Splash	MO	None	Group of seals mills within 70m of observer.
C0305	09-30-20	15:12	Postconstruction	19:00	SS	U	U	58	60	315	X	Eye	Head	Feed	Mill	MO	None	6 seals at 15:12; 18 at 17:30; 34 at 17:51, 1 seal seen eating fish; 48 at 18:05; 55 at 18:25; 58 at 18:41.
C0306	10-01-20	9:10	Postconstruction	13:00	SS	U	U	6	50	350	X	Eye	Head	Dive	Swim	MO	None	3 seals at 9:58; 4 seals at 10:34; 6 seals at 11:25; 4 seals at 12:40
C0307	10-01-20	15:09	Postconstruction	19:00	SS	U	U	4	50	300	X	Eye	Head	Mill	Sink	MO	None	1 seal at 16:45; 1 seal within 25m at 17:21; 2 seals within 50m at 18:16; 4 seals at 18:58.
C0308	10-02-20	10:16	Postconstruction	13:00	SS	U	U	3	50	350	X	7x50	Head	Mill	Sink	SL	None	3 seals within 50m of each Other at 10:16; 1 seal 50m out at 10:32; 3 seals in view at 12:35.
C0309	10-02-20	15:22	Postconstruction	19:00	SS	U	U	13	200	35	X	Eye	Head	Sink	Swim	MO	None	1 seal at 16:34; 5 seals at 16:47; 12 seals at 18:21; 13 seals at 18:42. All seals grouped within 50m of one another.
C0310	10-03-20	9:13	Postconstruction	19:00	SS	Adult/Juv	U	72	150	295	X	Eye	Body	Mill	Splash	MO	None	4 seals at 09:13, gradually increase group size until 72 at 16:09 when seals drift in from west with tide. 4 juveniles ID'ed, the rest of the seals were probably adults.

SOUTH OBSERVER SIGHTINGS

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
S0001	07-08-20	9:10	Preconstruction	9:11	SS	Adult	U	1	50	293	S	Eye	Body	Swim	Unk	MO	None	Only one surfacing was observed. Seal was at surface for near 60 seconds before submerging. Head & Dorsal surface was exposed during travel. Photo was taken giving certainty of species identification.
S0002	07-08-20	10:02	Preconstruction	10:02	US	Adult	U	1	250	321	SW	Eye	Head	Look	Unk	SL	None	Seal only surfaced briefly with head above water looking at surroundings facing in a southward direction. The seal submerged a few seconds after surfacing and was not seen again. Animal was too far to identify to species level, did not stay long enough for a photo. Head was clearly seen, but no distinguishing features were noticed.
S0003	07-08-20	10:57	Preconstruction	10:58	US	Adult	U	1	200	312	SW	Eye	Head	Swim	Unk	SL	None	Animal's head was visible facing a southward direction, dorsal surface was exposed during travel, too far to identify to species level, no photo taken. Head had a long rostrum (snout) most likely a spotted seal, but not confident to identify w/ certainty. Coloration was very dark due to distance; no distinguishable morphological features were noticed.
S0004	07-08-20	14:33	Preconstruction	14:33	US	U	U	1	30	285	SW	Eye	Head	Look	Sink	SL	None	Seal Popped its head up quickly, not allowing for a proper ID, but feel confident it was either a SS or RS
S0005	07-08-20	14:44	Preconstruction	14:44	US	U	U	1	55	317	U	Eye	Head	Look	Sink	SL	None	Seal Popped its head up quickly, not allowing for a proper ID, but feel confident it was either a SS or RS
S0006	07-08-20	15:12	Preconstruction	15:12	US	U	U	1	35	285	U	Eye	Head	Look	Sink	SL	None	Seal Popped its head up quickly, not allowing for a proper ID, but feel confident it was either a SS or RS
S0007	07-08-20	15:17	Preconstruction	15:23	SS	U	U	1	20	330	SW	Eye	Head	Look	Sink	SL	None	Resighted in the same area over the duration of a few minutes; last seen at 18m, 330 degrees
S0008	07-08-20	15:37	Preconstruction	15:38	SS	U	U	1	25	295	SW	Eye	Head	Look	Sink	SL	None	
S0009	07-08-20	15:51	Preconstruction	15:52	SS	U	U	1	20	305	NE	Eye	Head	Swim	Dive	SL	None	
S0010	07-08-20	15:59	Preconstruction	16:03	SS	U	U	1	60	300	NE	Eye	Head	Look	Dive	SL	None	Resighted in the same area over the duration of a few minutes; last seen at 50 m, 320 degrees
S0011	07-08-20	16:08	Preconstruction	16:08	SS	U	U	1	30	287	SW	Eye	Head	Swim	Dive	SL	None	
S0012	07-08-20	16:14	Preconstruction	16:16	SS	U	U	1	62	310	SW	Eye	Head	Look	Sink	SL	None	Resighted at 55m, 305 degrees
S0013	07-08-20	16:21	Preconstruction	16:23	SS	U	U	1	50	330	NE	Eye	Head	Swim	Dive	SL	None	Resighted at 50m, 335 degrees
S0014	07-08-20	16:23	Preconstruction	16:23	US	U	U	1	70	305	SW	Eye	Head	Look	Dive	SL	None	Seal Popped its head up quickly, not allowing for a proper ID, but likely a spotted seal
S0015	07-08-20	16:27	Preconstruction	16:27	SS	U	U	2	50	320	SW	Eye	Head	Look	Sink	SL	None	Two individuals surfaced about 2 meters apart

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
S0016	07-08-20	16:32	Preconstruction	16:33	SS	U	U	1	35	315	SW	Eye	Head	Swim	Sink	SL	None	
S0017	07-08-20	16:47	Preconstruction	16:47	SS	U	U	1	40	325	SW	Eye	Head	Look	Sink	SL	None	
S0018	07-08-20	16:52	Preconstruction	16:52	SS	U	U	2	50	315	SW	Eye	Head	Look	Sink	SL	None	Two individuals surfaced about 1 meter apart
S0019	07-08-20	16:54	Preconstruction	16:58	SS	U	U	1	60	340	SW	Eye	Head	Look	Sink	SL	None	Resighted in the same area over the duration of a few minutes
S0020	07-09-20	10:15	Preconstruction	10:18	US	Pup	U	1	7	320	NE	Eye	Body	Dead	Dead	ST	None	Carcass floating at surface being carried N by the current passed by the S observer station. Body was about 3ft long, light brown/grey in color with a darker brown dorsal coloring. Fresh dead with no obvious signs of decomposition. Floating on side, with left side up-left side had 1 or 2 white circular lesions and some red (either blood or bruising) where the flipper met the body. Head mostly submerged but some white tissue could be seen subsurface. Floated N and out of view. Resighted by the observer at the N station at 11:30 (C001). Level A stranding report sent to NMFS. Photos on PSO Green USB. Local PSO thought it might be a BS.
S0021	07-09-20	14:51	Preconstruction	15:06	SS	Adult	U	1	30	308	N	Eye	Head	Look	Mill	ST	None	1 spotted seal detected 30 meters off the south location dock at a bearing of 308 degrees. The seal was a large adult coming from a southerly bearing and traveling north initially. Afterwards the seal changed direction back south and got closer to the dock. Approx. 5 meters, at which the seal milled for several minutes, diving 3 times and surfacing four. The seal was observed jumping at one point. Photos taken of seal.
S0022	07-11-20	8:38	Preconstruction	8:38	SS	Adult	U	1	45	285	U	Eye	Head	Look	Sink	SL	None	
S0023	07-11-20	8:38	Preconstruction	8:38	SS	Adult	U	1	45	285	U	Eye	Head	Look	Sink	SL	None	
S0024	07-11-20	8:44	Preconstruction	8:44	US	Adult	U	1	60	300	U	Eye	Head	Look	Sink	SL	None	No positive ID; quick surface and sink. Likely an SS or RS
S0025	07-11-20	8:53	Preconstruction	8:53	US	Adult	U	2	80	330	U	Eye	Head	Look	Sink	SL	None	No positive ID; quick surface and sink. Likely an SS or RS
S0026	07-11-20	8:56	Preconstruction	9:04	SS	Adult	U	1	50	295	SW	Eye	Head	Look	Sink	SL	None	Resighted over a couple of minutes
S0027	07-11-20	10:33	Preconstruction	10:34	SS	Adult	U	1	40	295	U	Eye	Head	Look	Sink	SL	None	
S0028	07-11-20	10:37	Preconstruction	10:39	RS	Adult	U	1	70	325	SW	Eye	Head	Look	Sink	SL	None	Resighted over a couple of minutes

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
S0029	07-11-20	16:05	Preconstruction	17:00	SS	Adult	U	1	80	300	Variable	Eye	Head	Look	Feed	MO	None	1 spotted seal detected 80m off the south PSO location with a bearing of 300° the seal surfaced and looked before diving several times, at least 4 Other times. It was observed traveling in variable directions, chasing fish (fish seen jumping out of water). Last seen at 17:00.
S0030	07-13-20	13:50	Preconstruction	13:50	US	Adult	U	1	300	270	U	Eye	Head	Look	Sink	ST	None	Seal head seen out of water looking for a few seconds and then submerged. Size of head indicates that it was an adult, too brief to identify to species level, most likely spotted seal.
S0031	07-13-20	14:46	Preconstruction	14:55	SS	Adult	U	1	350	330	U	Eye	Head	Look	Splash	MO	None	Observed swimming in variable directions, seal got as close as 30 meters to the dock and splashed, several surfacings were seen, presumably feeding, since there was fish jumping out of water.
S0032	07-13-20	17:01	Preconstruction	17:01	US	Adult	U	1	1000	295	U	Eye	Head	Sink	Unk	ST	None	Seal head seen briefly for a few seconds before it submerged. Too brief to identify to species level. Large enough to assume it was an adult.
S0033	07-14-20	10:11	Preconstruction	10:12	US	Adult	U	1	400	322	N	Eye	Head	Look	Splash	SL	None	Head initially seen looking at surroundings then began to travel North, too far to determine species.
S0034	07-14-20	10:23	Preconstruction	10:23	US	Adult	U	1	800	5	S	Eye	Body	Swim	Unk	SL	None	Body seen with binoculars while scanning, the seal was swimming in a Southerly direction, briefly at surface, too far to identify.
S0035	07-14-20	11:18	Preconstruction	11:19	US	Adult	U	1	400	320	S	Eye	Body	Swim	Unk	MO	None	Traveling South, surfaced twice but too far to identify to species level. Not enough light.
S0036	07-18-20	13:42	Preconstruction	13:53	US	Adult	U	1	600	12	S	Eye	Head	Look	Swim	SL	None	Too far to identify to species level.
S0037	07-20-20	11:54	Preconstruction	11:54	US	Adult	U	1	150	300	N	Eye	Head	Look	Dive	SL	None	Quick surfacing, could not identify to species level.
S0038	07-21-20	8:44	No Work	8:44	SS	Adult	U	1	100	312	N	Eye	Head	Swim	Look	MO	None	
S0039	07-22-20	14:38	No Work	14:38	SS	Adult	U	1	20	275	N	Eye	Head	Look	Sink	MO	None	
S0040	07-25-20	13:43	No Work	13:43	US	Adult	U	1	50	255	U	Eye	Head	Look	Unk	UN	None	Seal head briefly seen, but disappeared between wave crests. Could not get species, or heading
S0041	07-27-20	7:16	No Work	7:16	US	U	U	1	600	290	S	Eye	Body	Swim	Dive	MO	None	Too brief to identify down to species
S0042	07-27-20	9:11	No Work	9:11	US	U	U	1	450	260	N	Eye	Head	Look	Sink	MO	None	Too quick a surfacing to identify down to species
S0043	07-27-20	15:46	No Work	16:00	SS	Adult	U	1	40	335	U	Eye	Head	Look	Feed	SL	None	Stayed in the vicinity for a bit, seemed to be hunting fish, could not tell final heading
S0044	07-27-20	16:58	No Work	17:35	SS	Adult	U	1	40	290	SW	Eye	Head	Look	Feed	SL	None	
S0045	07-27-20	17:15	No Work	17:15	SS	Adult	U	1	50	360	U	Eye	Head	Look	Sink	SL	None	
S0046	07-28-20	7:13	PRE	7:13	US	U	U	1	300	335	U	Eye	Head	Look	Sink	SL	None	Too brief to identify down to species

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
S0047	07-28-20	7:33	SLING	7:33	SS	Adult	U	1	150	292	S	Eye	Head	Look	Swim	SL	None	
S0048	07-28-20	8:17	No Work	8:17	US	Adult	U	1	600	5	U	Eye	Head	Look	Sink	SL	None	Too brief to identify down to species
S0049	07-28-20	8:56	No Work	8:56	SS	Adult	U	1	45	338	U	Eye	Head	Look	Sink	SL	None	
S0050	07-28-20	11:55	No Work	11:58	SS	Adult	U	1	80	12	U	Eye	Head	Look	Sink	SL	None	
S0051	07-28-20	12:02	No Work	12:03	SS	Adult	U	1	40	350	U	Eye	Head	Look	Sink	SL	None	
S0052	07-28-20	13:23	PRE	13:23	SS	Adult	U	1	70	350	U	Eye	Head	Look	Sink	SL	None	
S0053	07-28-20	15:58	SLING	16:20	SS	Adult	U	1	70	325	U	Eye	Head	Look	Sink	SL	None	Sank and resurfaced in the same area near a fishing net over a 20 minute period
S0054	07-28-20	16:26	SLING	16:26	US	Adult	U	1	150	310	U	Eye	Head	Look	Sink	SL	None	Vib off
S0055	07-28-20	16:44	SLING	16:45	SS	U	U	1	200	303	SW	Eye	Head	Look	Sink	SL	None	Potentially the same seal spotted previously by SVK hanging around the gillnets
S0056	07-28-20	17:16	SLING	17:17	SS	U	U	1	550	296	N	Eye	Head	Mill	Dive	SL	None	
S0057	07-29-20	7:14	PRE	7:26	SS	Adult	U	1	300	355	S	Eye	Head	Swim	Look	SL	None	
S0058	07-29-20	8:48	SLING	8:48	US	U	U	1	100	325	U	Eye	Head	Look	Sink	SL	None	Too brief to identify down to species
S0059	07-29-20	9:17	STAB	9:17	US	U	U	1	100	350	U	Eye	Head	Look	Sink	SL	None	Too brief to identify down to species or get heading
S0060	07-29-20	9:55	STAB	9:55	US	U	U	1	620	280	U	Eye	Splash	Unk	Unk	UN	None	Saw a big splash from distance, couldn't resight, but know it was too big to be a bird or fish from that distance.
S0061	07-29-20	10:13	PULL	10:21	SS	Adult	U	1	250	285	SE	Eye	Head	Look	Sink	SL	None	Seal hanging out in the area for a bit and changing directions. (VIB Ended)
S0062	07-29-20	10:54	SLING	10:56	SS	Adult	U	1	178	295	SE	Range	Head	Look	Sink	SL	None	
S0063	07-29-20	10:57	SLING	10:57	SS	U	U	1	350	280	S	Eye	Head	Look	Sink	SL	None	
S0064	07-29-20	11:20	SLING	11:20	SS	Adult	U	1	75	310	N	Eye	Head	Look	Dive	SL	None	
S0065	07-29-20	11:40	SLING	11:40	SS	U	U	1	650	335	N	Eye	Head	Look	Sink	SL	None	
S0066	07-29-20	11:58	SLING	11:58	SS	Adult	U	1	75	230	S	Eye	Head	Look	Dive	SL	None	Heading towards a net
S0067	07-29-20	13:44	Other	13:58	SS	Adult	U	1	70	360	S	Eye	Head	Look	Sink	SL	None	Popped up multiple times, slowly moving S
S0068	07-29-20	13:55	Other	13:55	SS	Adult	U	1	80	270	U	Eye	Head	Look	Sink	SL	None	
S0069	07-29-20	15:45	SLING	15:45	US	Adult	U	1	300	280	NW	Eye	Head	Look	Sink	SL	None	Too far to confirm ID
S0070	07-29-20	16:35	No Work	16:35	US	Adult	U	1	300	340	U	Eye	Head	Look	Sink	SL	None	Too brief to ID
S0071	07-29-20	16:45	No Work	16:46	SS	U	U	1	500	332	SE	Eye	Head	Look	Sink	SL	None	
S0072	07-29-20	16:46	No Work	16:47	SS	U	U	1	450	317	U	Eye	Head	Look	Sink	SL	None	
S0073	07-29-20	16:50	No Work	17:00	SS	U	U	2	450	345	SE	Eye	Head	Look	Sink	SL	None	
S0074	07-29-20	16:52	No Work	17:03	SS	U	U	1	500	310	SE	Eye	Head	Look	Sink	SL	None	
S0075	07-29-20	17:28	SLING	17:32	SS	U	U	1	650	1	U	Eye	Head	Look	Sink	SL	None	Seal also jumped out of water potentially hunting fish

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
S0076	07-29-20	17:41	SLING	17:42	SS	U	U	1	150	290	S	Eye	Head	Look	Sink	SL	None	
S0077	07-29-20	17:47	SLING	17:48	SS	U	U	1	500	306	U	Eye	Head	Look	Sink	SL	None	
S0078	07-29-20	17:55	SLING	17:56	SS	U	U	2	225	230	U	Eye	Head	Swim	Sink	SL	None	Two seals close to each Other, one was looking and the Other slowly swimming
S0079	07-29-20	18:21	SLING	18:21	SS	U	U	2	125	280	S	Eye	Head	Swim	Sink	SL	None	
S0080	07-29-20	18:33	POST	18:33	SS	U	U	1	600	323	S	Eye	Head	Look	Sink	SL	None	Potentially the same seal hanging around, but can't tell due to time between sightings
S0081	07-30-20	7:57	SLING	8:00	SS	Adult	U	1	60	305	N	Eye	Head	Swim	Look	SL	None	Resurfaced one time
S0082	07-30-20	11:25	STAB	11:25	SS	U	U	1	450	220	SE	Eye	Head	Look	Sink	SL	None	
S0083	07-30-20	11:47	STAB	11:47	US	U	U	1	1000	270	SE	Eye	Head	Look	Swim	SL	None	Heading toward a net
S0084	07-30-20	13:13	SLING	13:13	US	U	U	2	250	350	U	Eye	Head	Look	Sink	SL	None	Two seals, too far out to tell ID
S0085	07-30-20	13:17	SLING	13:17	US	U	U	1	300	10	U	Eye	Head	Look	Sink	SL	None	Too far out to tell ID
S0086	07-30-20	13:25	SLING	13:25	US	U	U	1	200	200	S	Eye	Head	Look	Sink	SL	None	Too far out to tell ID
S0087	07-30-20	14:21	STAB	14:21	SS	Adult	U	1	150	360	N	Eye	Head	Look	Dive	MO	None	
S0088	07-30-20	18:22	SLING	18:22	SS	U	U	2	400	315	SW	Eye	Head	Look	Sink	SL	None	Two seals right next to each Other, looking around
S0089	07-31-20	12:50	SLING	12:50	US	U	U	1	300	360	U	Eye	Head	Look	Sink	SL	None	Too far to determine species
S0090	07-31-20	14:49	SLING	14:49	SS	Adult	U	1	150	20	U	Eye	Head	Look	Sink	SL	None	
S0091	07-31-20	16:09	VIB	16:22	SS	Adult	U	1	100	330	S	Eye	Head	Look	Sink	SL	None	VIB on from 16:09 to 16:14
S0092	08-01-20	7:23	PRE	7:24	SS	Adult	U	1	300	295	N	Eye	Head	Swim	Dive	SL	None	
S0093	08-01-20	7:52	SLING	7:52	SS	Adult	U	1	60	298	S	Eye	Head	Look	Swim	SL	None	
S0094	08-01-20	8:33	SLING	8:51	SS	Adult	U	1	50	334	Variable	Eye	Head	Swim	Dive	SL	None	Seen slowly north, surfacing repeatedly
S0095	08-01-20	11:20	STAB	11:20	SS	Adult	U	1	200	325	S	Eye	Head	Look	Swim	SL	None	
S0096	08-01-20	11:36	No Work	11:37	US	Adult	U	3	300	315	N	Eye	Head	Look	Dive	SL	None	3 seal heads all popped up at once, but too quick to get ID
S0097	08-01-20	15:37	VIB	16:02	SS	Adult	U	2	120	340	N	Eye	Head	Look	Sink	MO	None	Seals were swimming around in the same area over a long period of time, eventually moving N, VIB on from 15:36 to 15:39
S0098	08-01-20	16:20	STAB	16:20	US	Adult	U	1	250	360	N	Eye	Head	Look	Sink	SL	None	Too far and water too choppy to get ID
S0099	08-03-20	7:03	VIB	9:00	SS	Adult	U	4	90	315	N	Eye	Head	Feed	Sink	SL	None	4 seals consistently surfacing repeatedly in an area of about 50m, all facing the same northerly direction. Multiple, regular surfacings- the animals appear to be feeding. At least one individual seen with a fish in its mouth. Seen throughout the entirety of ft's shift, slowly moving n. Vib occurred from 8:30-8:32.

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
S0100	08-03-20	8:00	STAB	8:01	US	Adult	U	1	50	265	SW	Eye	Head	Look	Sink	SL	None	Different spot and direction of travel than the above seals, either an SS or RS
S0101	08-03-20	8:42	STAB	8:43	RS	Adult	U	1	40	310	N	Eye	Head	Swim	Dive	SL	None	Multiple seals in the area at the same time, but making a separate sighting for this individual due to it being a RS
S0102	08-03-20	10:05	STAB	10:05	RS	U	U	2	75	325	N	Eye	Head	Look	Sink	SL	None	Two seals in the same area, potentially RS
S0103	08-03-20	10:12	STAB	10:20	US	U	U	1	350	315	N	Eye	Head	Look	Sink	SL	None	Seen hanging around in the same area
S0104	08-03-20	10:16	VIB	11:10	US	U	U	1	275	270	SE	Eye	Head	Look	Dive	SL	None	Seal resighted in the same area every 10 or so minutes. Vib occurring from 10:51 to 10:52 and 11:00 to 11:01.
S0105	08-03-20	11:47	VIB	13:50	SS	Adult	U	1	50	305	S	Eye	Head	Look	Sink	SL	None	Looking N, but flowing S with the current. Took pictures (will put on google drive). VIB occurring from 12:47 to 12:48, 12:54 to 12:55, 13:00 to 13:01, 13:05 to 13:06, and 13:43 to 13:44.
S0106	08-03-20	12:05	No Work	12:05	SS	Adult	U	1	75	260	S	Eye	Head	Look	Sink	SL	None	Looking N, but flowing S with the current
S0107	08-03-20	12:47	VIB	12:47	US	Adult	U	1	150	245	N	Eye	Head	Look	Sink	SL	None	Head sitting low in water, could not ID
S0108	08-03-20	12:52	SLING	12:52	US	Adult	U	1	200	280	N	Eye	Head	Look	Dive	SL	None	Too far to get ID
S0109	08-03-20	12:58	VIB	13:40	US	Adult	U	1	150	359	N	Eye	Head	Look	Sink	SL	None	Head sitting low in water, could not ID, but was resighted in the same area over some time. RS or SS. VIB occurring from 13:00 to 13:01 and 13:05 to 13:06.
S0110	08-03-20	13:25	SLING	13:26	SS	Adult	U	1	125	320	N	Eye	Head	Look	Dive	MO	None	
S0111	08-03-20	13:37	SLING	13:37	US	Adult	U	1	300	270	N	Eye	Head	Look	Dive	MO	None	Too far and in glare
S0112	08-03-20	14:03	VIB	14:18	US	Adult	U	1	300	360	NE	Eye	Head	Look	Dive	MO	None	Too far to get ID. Seal seen on multiple surfacings. VIB occurring from 14:06 to 14:07 and 14:18 to 14:19.
S0113	08-03-20	14:25	VIB	14:25	US	Adult	U	1	200	290	U	Eye	Head	Look	Sink	SL	None	Quick surfacing before sinking
S0114	08-03-20	14:40	VIB	16:00	SS	Adult	U	2	100	320	W	Eye	Body	Look	Dive	MO	None	Two seals in the same area resighted consistently over a long period. VIB occurring from 14:42 to 14:43, 14:46 to 14:47, and 14:48 to 14:49.
S0115	08-03-20	14:43	VIB	15:05	SS	Adult	U	1	200	15	N	Eye	Head	Look	Dive	MO	None	Seal seen on multiple surfacings, VIB occurring from 14:42 to 14:43, 14:46 to 14:47, and 14:48 to 14:49.
S0116	08-03-20	16:16	SLING	16:24	SS	Adult	U	1	300	320	U	Eye	Head	Look	Sink	SL	None	Seal seen on multiple surfacings
S0117	08-04-20	9:53	SLING	9:53	SS	Adult	U	1	50	305	U	Eye	Body	Porpoise	Dive	MO	None	Seal jumped completely out of water 3 times
S0118	08-04-20	12:45	SLING	12:50	US	Adult	U	1	120	280	N	Eye	Head	Look	Sink	MO	None	Couldn't get ID due to wave action
S0119	08-04-20	13:08	STAB	13:20	US	Adult	U	1	200	290	U	Eye	Head	Look	Sink	SL	None	SS or RS, Seal seen on multiple surfacings
S0120	08-04-20	13:15	STAB	13:38	US	Adult	U	1	250	255	NW	Eye	Head	Look	Sink	SL	None	SS or RS, Seal seen on multiple surfacings

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
S0121	08-04-20	13:30	STAB	13:57	US	Adult	U	2	150	10	U	Eye	Head	Look	Sink	SL	None	SS or RS, Two seals within a few m of each Other
S0122	08-04-20	13:41	STAB	13:56	US	Adult	U	1	200	340	NW	Eye	Head	Look	Sink	MO	None	SS or RS, Seal seen on multiple surfacings
S0123	08-04-20	14:06	PRE	14:28	US	Adult	U	1	300	300	U	Eye	Head	Look	Sink	SL	None	SS or RS, Seal seen on multiple surfacings
S0124	08-04-20	14:32	VIB	15:00	SS	Adult	U	1	70	330	SW	Eye	Head	Look	Dive	MO	None	Seal seen on multiple surfacings. VIB occurring from 14:33 to 14:34 and 14:41 to 14:42.
S0125	08-04-20	14:39	SLING	14:39	US	Adult	U	1	300	20	SW	Eye	Head	Look	Dive	MO	None	SS or RS
S0126	08-04-20	14:53	SLING	14:57	US	Adult	U	1	300	240	NW	Eye	Head	Look	Sink	MO	None	SS or RS
S0127	08-04-20	15:33	VIB	16:09	US	Adult	U	1	400	10	U	Eye	Head	Look	Sink	SL	None	SS or RS, Seal seen on multiple surfacings. VIB occurring from 15:35 to 15:36.
S0128	08-04-20	15:34	SLING	15:34	US	Adult	U	1	300	350	U	Eye	Head	Look	Sink	SL	None	SS or RS
S0129	08-04-20	15:48	STAB	16:11	US	Adult	U	1	100	35	SW	Eye	Head	Look	Dive	MO	None	SS or RS, Seal seen on multiple surfacings
S0130	08-04-20	16:13	VIB	16:32	US	Adult	U	2	250	285	NE	Eye	Head	Look	Dive	MO	None	SS or RS, Seals seen on multiple surfacings. VIB occurring from 16:26 to 16:27 and 16:32 to 16:33.
S0131	08-04-20	16:25	STAB	16:25	US	Adult	U	1	400	280	U	Eye	Head	Look	Sink	SL	None	SS or RS
S0132	08-04-20	16:33	VIB	18:43	US	Adult	U	1	150	359	N	Eye	Head	Look	Dive	MO	None	SS or RS, Seal seen on multiple surfacings. VIB occurring from 16:32 to 16:33, 17:39 to 17:41, 17:47 to 17:48, 18:04 to 18:05, 18:08 to 18:09, and 18:11 to 18:12.
S0133	08-04-20	16:43	VIB	18:43	SS	Adult	U	1	120	320	S	Eye	Head	Look	Sink	SL	None	Additional seal hanging around in the same area milling around, but different seal than S132. VIB occurring from 17:39 to 17:41, 17:47 to 17:48, 18:04 to 18:05, 18:08 to 18:09, and 18:11 to 18:12.
S0134	08-04-20	17:15	STAB	17:15	SS	Adult	U	1	800	359	N	Eye	Head	Look	Sink	SL	None	New seal in the area, different than S131 and S132
S0135	08-05-20	7:30	PRE	7:30	SS	U	U	1	50	325	N	Eye	Head	Look	Sink	SL	None	
S0136	08-05-20	7:57	STAB	7:57	US	Adult	U	1	150	297	U	Eye	Head	Look	Sink	SL	None	SS or RS
S0137	08-05-20	8:02	STAB	8:02	US	U	U	2	250	10	U	Eye	Head	Look	Sink	SL	None	2 seals very close to each Other, surfaced quickly
S0138	08-05-20	8:33	STAB	8:34	SS	Adult	U	1	20	300	U	Eye	Head	Look	Sink	SL	None	
S0139	08-05-20	8:53	STAB	8:54	SS	Adult	U	1	60	320	U	Eye	Head	Look	Sink	SL	None	
S0140	08-05-20	8:56	STAB	8:56	US	U	U	1	125	280	S	Eye	Head	Look	Sink	SL	None	SS or RS
S0141	08-05-20	9:19	SLING	9:19	SS	U	U	1	125	300	S	Eye	Head	Look	Sink	SL	None	
S0142	08-05-20	12:15	No Work	12:15	US	U	U	3	300	265	SE	Eye	Head	Look	Sink	SL	None	3 seals popped up together, all floating S with the current. SS or RS
S0143	08-05-20	12:45	VIB	13:20	US	U	U	1	400	325	N	Eye	Body	Look	Dive	MO	None	Mid dive when seen, resighted, but too far to get ID. VIB occurring from 12:45 to 12:46, 12:52 to 12:53, and 12:56 to 12:57.

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
S0144	08-05-20	12:51	VIB	13:30	US	U	U	1	500	255	SW	Eye	Head	Look	Sink	SL	None	Could be some of the seals seen hanging in the area, but too far in the distance to confirm ID. Hung out in the area for a while. VIB occurring from 12:52 to 12:53 and 12:56 to 12:57.
S0145	08-05-20	13:08	VIB	14:08	US	Adult	U	1	400	290	N	Eye	Head	Look	Dive	SL	None	SS or RS, Seen in the area repeatedly. VIB occurring 13:55 to 13:56, 14:00 to 14:02, and 14:07 to 14:08.
S0146	08-05-20	13:34	SLING	13:34	US	Adult	U	1	400	305	N	Eye	Head	Look	Sink	SL	None	SS or RS
S0147	08-05-20	13:42	VIB	13:59	US	Adult	U	1	300	235	NW	Eye	Head	Look	Sink	SL	None	SS or RS, between two buoys. VIB occurring 13:55 to 13:56.
S0148	08-05-20	13:45	VIB	14:00	US	Adult	U	1	100	320	N	Eye	Head	Look	Dive	SL	None	SS or RS, resighted in same area. VIB occurring 13:55 to 13:56 and 14:00 to 14:02.
S0149	08-05-20	14:23	VIB	14:44	US	Adult	U	1	400	265	SW	Eye	Head	Look	Sink	SL	None	SS or RS, resighted in same area. VIB occurring 14:30 to 14:31.
S0150	08-05-20	14:30	VIB	15:02	US	Adult	U	1	80	310	S	Eye	Head	Look	Sink	SL	None	Being pushed by current, resighted in same area, SS or RS. VIB occurring 14:30 to 14:31, 14:46 to 14:47, and 14:54 to 14:55.
S0151	08-05-20	14:49	VIB	15:14	US	Adult	U	1	300	285	NE	Eye	Head	Look	Sink	SL	None	SS or RS. VIB occurring 14:54 to 14:55.
S0152	08-05-20	15:07	SLING	15:08	US	Adult	U	1	400	325	N	Eye	Head	Look	Sink	SL	None	SS or RS
S0153	08-05-20	15:50	SLING	15:50	US	Adult	U	1	200	310	N	Eye	Head	Look	Sink	SL	None	SS or RS
S0154	08-05-20	15:57	VIB	19:00	SS	Adult	U	2	80	300	N	Eye	Head	Look	Sink	SL	None	Two seals hanging around in the same area, one with a distinctive pattern seen on previous shifts. VIB occurring 17:03 to 17:04, 17:09 to 17:11, 17:12 to 17:15, 17:16 to 17:18, 17:19 to 17:20, 17:22 to 17:23, 17:42 to 17:48, 17:58 to 18:00, 18:06 to 18:07, 18:10 to 18:11, 18:13 to 18:14, 18:16 to 18:17, and 18:21 to 18:22.
S0155	08-05-20	17:23	VIB	19:00	SS	Adult	U	1	500	290	N	Eye	Head	Look	Sink	SL	None	Joined the group of the 2 seals from S154. Hung out in the area. VIB occurring 17:22 to 17:23, 17:42 to 17:48, 17:58 to 18:00, 18:06 to 18:07, 18:10 to 18:11, 18:13 to 18:14, 18:16 to 18:17, and 18:21 to 18:22.
S0156	08-05-20	17:45	VIB/VIBR	17:45	SS	U	U	1	750	15	U	Eye	Head	Look	Sink	SL	None	Different one than the Others in the area. VIB/VIBR occurring from 17:42 to 17:48.
S0157	08-05-20	18:05	SLING	18:05	SS	U	U	1	750	270	S	Eye	Head	Look	Sink	SL	None	
S0159	08-06-20	11:37	PRE	15:30	SS	Adult	U	1	25	295	S	Eye	Head	Look	Dive	SL	None	Seen many times as it hung out in the area
S0160	08-06-20	11:42	PRE	11:42	US	U	U	1	200	255	S	Eye	Head	Look	Sink	SL	None	SS or RS
S0161	08-06-20	11:56	PRE	11:56	US	U	U	1	375	260	SE	Eye	Head	Look	Sink	SL	None	SS or RS
S0162	08-06-20	12:10	PRE	12:10	SS	Adult	U	1	350	350	N	Eye	Head	Look	Splash	SL	None	

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
S0163	08-06-20	12:40	No Work	12:51	US	Adult	U	1	150	310	U	Eye	Head	Look	Sink	SL	None	SS or RS
S0164	08-06-20	12:44	SLING	13:04	US	Adult	U	1	300	340	U	Eye	Head	Look	Sink	SL	None	SS or RS
S0165	08-06-20	12:53	SLING	13:15	US	Adult	U	1	500	240	U	Eye	Head	Look	Sink	SL	None	SS or RS, Seen repeatedly in same area
S0166	08-06-20	12:55	SLING	13:22	US	Adult	U	1	200	250	U	Eye	Head	Look	Sink	SL	None	SS or RS, Seen repeatedly in same area
S0167	08-06-20	13:09	SLING	14:14	US	Adult	U	2	300	20	U	Eye	Head	Look	Sink	SL	None	SS or RS, Seen repeatedly in same area
S0168	08-06-20	13:17	SLING	13:17	US	Adult	U	1	200	295	U	Eye	Head	Look	Dive	SL	None	SS or RS
S0169	08-06-20	13:22	SLING	14:15	US	Adult	U	1	100	345	N	Eye	Head	Look	Sink	SL	None	SS or RS, seen repeatedly in same area, Floating with current
S0170	08-06-20	13:33	Other	13:34	US	Adult	U	1	200	270	U	Eye	Head	Look	Sink	SL	None	SS or RS
S0171	08-06-20	13:40	SLING	15:19	US	Adult	U	2	500	265	U	Eye	Head	Look	Sink	SL	None	SS or RS, Seals seen repeatedly in same area
S0172	08-06-20	13:54	SLING	15:37	US	Adult	U	1	300	290	U	Eye	Head	Look	Sink	SL	None	SS or RS, Seen repeatedly in same area
S0173	08-06-20	13:58	SLING	15:06	US	Adult	U	1	300	275	N	Eye	Splash	Look	Dive	MO	None	SS or RS, Seen repeatedly in same area
S0174	08-06-20	14:07	SLING	14:50	US	Adult	U	1	300	335	N	Eye	Head	Look	Dive	SL	None	SS or RS, Seen repeatedly in same area
S0175	08-06-20	14:25	SLING	14:25	US	Adult	U	1	600	245	U	Eye	Head	Look	Sink	SL	None	SS or RS
S0176	08-06-20	15:34	SLING	15:55	US	Adult	U	1	250	310	U	Eye	Head	Look	Sink	SL	None	SS or RS, Seen repeatedly in same area
S0177	08-06-20	16:25	SLING	16:25	US	Adult	U	1	150	260	NE	Eye	Head	Look	Dive	MO	None	SS or RS
S0178	08-06-20	16:56	SLING	17:02	SS	U	U	1	275	263	N	Eye	Head	Look	Feed	SL	None	Had a fish in its mouth, Seen repeatedly in same area
S0179	08-06-20	17:13	POST	17:13	SS	U	U	1	700	296	NE	Eye	Head	Look	Sink	SL	None	
S0180	08-06-20	17:32	POST	18:00	US	Adult	U	1	125	355	SSW	Eye	Head	Look	Mill	SL	None	Seen repeatedly in same area
S0181	08-06-20	18:36	POST	18:36	SS	U	U	1	700	4	NNE	Eye	Head	Look	Sink	SL	None	
S0182	08-06-20	18:40	POST	18:40	SS	U	U	1	400	315	S	Eye	Head	Look	Sink	SL	None	
S0183	08-06-20	18:43	POST	18:43	SS	U	U	1	600	270	N	Eye	Head	Look	Sink	SL	None	
S0184	08-06-20	18:45	POST	18:45	SS	U	U	1	75	310	S	Eye	Head	Look	Sink	SL	None	
S0185	08-07-20	7:01	SLING	10:19	SS	Adult	U	6	70	275	N	Eye	Head	Mill	Other	SL	None	Seals within the same area milling and initially moving N very slowly. Hung out for hours and were jumping out of the water and being very active in the early morning. Last seen at 320 degrees.
S0186	08-07-20	10:38	STAB	10:38	US	U	U	1	225	285	S	Eye	Head	Look	Sink	SL	None	Different from the Other group of animals in the area, SS or RS
S0187	08-07-20	10:43	VIB	10:53	SS	Adult	U	1	50	310	SE	Eye	Head	Look	Sink	SL	None	Sean over 10 min as it drifted at the surface. VIB occurring from 10:42 to 10:44 and 10:50 to 10:51.
S0188	08-07-20	13:29	No Work	13:29	US	Adult	U	1	100	10	U	Eye	Head	Look	Sink	SL	None	SS or RS
S0189	08-07-20	13:37	STAB	14:24	US	Adult	U	1	150	320	Variable	Eye	Head	Look	Sink	SL	None	SS or RS, hung out in the area
S0190	08-07-20	13:57	No Work	14:13	US	Adult	U	1	200	250	Variable	Eye	Head	Look	Mill	SL	None	SS or RS, hung out in the area

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
S0191	08-07-20	14:03	STAB	14:37	US	Adult	U	1	150	5	U	Eye	Head	Look	Mill	SL	None	SS or RS, hung out in the area
S0192	08-07-20	15:08	SLING	15:08	US	Adult	U	1	100	280	U	Eye	Head	Look	Sink	SL	None	SS or RS
S0193	08-07-20	15:12	VIB	16:16	US	Adult	U	1	300	270	Variable	Eye	Head	Look	Mill	SL	None	SS or RS, hung out in the area. VIB occurring from 15:13 to 15:14.
S0194	08-07-20	15:17	STAB	15:35	US	Adult	U	2	300	350	Variable	Eye	Head	Look	Mill	SL	None	SS or RS, Seals hung out in the area
S0195	08-07-20	15:42	STAB	16:02	US	Adult	U	1	250	320	U	Eye	Head	Look	Sink	SL	None	SS or RS, hung out in the area
S0196	08-07-20	16:28	STAB	16:28	US	Adult	U	1	70	350	U	Eye	Head	Look	Sink	MO	None	SS or RS
S0197	08-07-20	16:32	SLING	16:32	US	Adult	U	1	300	360	U	Eye	Head	Look	Sink	SL	None	SS or RS
S0198	08-07-20	17:15	STAB	17:15	SS	U	U	1	300	310	N	Eye	Head	Look	Sink	SL	None	
S0199	08-07-20	17:39	STAB	17:40	SS	U	U	1	700	283	N	Eye	Head	Look	Sink	SL	None	
S0200	08-07-20	18:26	SLING	18:26	SS	U	U	1	150	310	S	Eye	Head	Look	Sink	SL	None	
S0201	08-08-20	8:29	SLING	8:29	SS	Adult	U	1	20	298	U	Eye	Head	Look	Sink	SL	None	
S0202	08-08-20	8:31	SLING	8:31	US	Adult	U	1	150	310	S	Eye	Head	Look	Swim	SL	None	SS or RS
S0203	08-08-20	12:46	SLING	12:50	US	Adult	U	1	250	340	U	Eye	Head	Look	Mill	UN	None	SS or RS
S0204	08-08-20	13:43	VIB/VIBR	14:15	US	Adult	U	1	150	340	U	Eye	Head	Look	Sink	SL	None	SS or RS, hung out in the area. VIB occurring from 13:43 to 13:44, 13:45 to 13:46, 13:46 to 13:47, 13:48 to 13:49, 13:50 to 13:51, and 13:52 to 13:53. VIBR occurring from 13:55 to 13:56.
S0205	08-08-20	14:09	SLING	14:09	US	Adult	U	1	300	310	U	Eye	Head	Look	Sink	SL	None	
S0206	08-08-20	14:24	SLING	14:25	US	Adult	U	1	30	350	N	Eye	Head	Look	Sink	SL	None	SS or RS
S0207	08-08-20	16:14	VIB/VIBR	18:30	SS	Adult	U	1	100	280	Variable	Eye	Head	Look	Mill	SL	None	Seen repeatedly in same area. VIB occurring 17:28 to 17:29, 17:43 to 17:45, and 17:48 to 17:49. VIBR/VIB occurring from 17:33 to 17:39.
S0208	08-08-20	16:42	VIB/VIBR	18:30	SS	U	U	1	450	323	S	Eye	Head	Look	Mill	SL	None	Seen repeatedly in same area. VIB occurring 17:28 to 17:29, 17:43 to 17:45, and 17:48 to 17:49. VIBR/VIB occurring from 17:33 to 17:39.
S0209	08-10-20	7:04	SLING	8:03	SS	U	U	1	50	350	Variable	Eye	Head	Look	Mill	SL	None	Seen repeatedly in same area
S0210	08-10-20	13:10	PRE	13:11	US	Adult	U	1	200	300	U	Eye	Head	Look	Sink	SL	None	SS or RS
S0211	08-10-20	14:06	VIB	15:08	US	Adult	U	1	150	300	U	Eye	Head	Look	Mill	SL	None	SS or RS, hung out in the area. VIB occurring from 14:06 to 14:07.
S0212	08-10-20	14:28	POST	14:28	US	Adult	U	1	75	5	U	Eye	Head	Look	Sink	SL	None	SS or RS
S0213	08-10-20	14:44	POST	15:11	US	Adult	U	1	150	270	N	Eye	Head	Look	Mill	MO	None	SS or RS, hung out in the area
S0214	08-10-20	15:17	POST	15:17	US	U	U	2	350	20	U	Eye	Head	Look	Sink	SL	None	SS or RS, 2 seals popped up right next to each Other
S0215	08-10-20	15:38	POST	15:53	US	Adult	U	1	75	330	SW	Eye	Head	Look	Mill	MO	None	SS or RS, hung out in the area
S0216	08-11-20	7:23	PRE	7:23	US	U	U	1	60	311	U	Eye	Head	Look	Sink	SL	None	Quick surfacing, didn't get ID

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
S0217	08-11-20	12:03	No Work	12:30	US	U	U	1	150	330	S	Eye	Head	Look	Sink	SL	None	Too far and quick to get ID
S0218	08-11-20	13:02	SLING	13:49	US	U	U	1	350	340	U	Eye	Head	Look	Sink	SL	None	SS or RS, hung out in the area
S0219	08-11-20	13:23	Other	13:37	US	U	U	1	400	15	SW	Eye	Head	Look	Sink	SL	None	SS or RS, hung out in the area
S0220	08-11-20	13:41	Other	13:41	US	Adult	U	1	150	335	S	Eye	Head	Look	Sink	SL	None	RS or SS
S0221	08-11-20	13:46	Other	13:46	US	Adult	U	1	400	280	S	Eye	Head	Look	Sink	SL	None	RS or SS
S0222	08-11-20	13:59	Other	13:59	US	Adult	U	1	300	310	U	Eye	Head	Look	Sink	SL	None	RS or SS
S0223	08-11-20	14:48	PRE	14:53	US	U	U	1	150	270	NW	Eye	Head	Look	Sink	MO	None	RS or SS, Seal spy hopping and moving NW quickly
S0224	08-11-20	15:27	SLING	15:27	US	U	U	1	300	270	U	Eye	Head	Look	Sink	SL	None	Too far and quick to get ID
S0225	08-11-20	15:54	SLING	15:54	US	U	U	1	300	230	U	Eye	Head	Look	Sink	SL	None	Too far and quick to get ID
S0226	08-11-20	17:20	VIB/VIBR	19:00	SS	U	U	1	375	330	S	Eye	Head	Look	Sink	SL	None	Hung out in the area. Vibr occurring from 18:05 to 18:06 and vib occurring from 18:07 to 18:09.
S0227	08-11-20	17:38	VIB/VIBR	19:00	SS	U	U	1	125	280	U	Eye	Head	Porpoise	Splash	SL	None	Porpoised out of the water, likely fishing, hung out in the area. VIBR occurring from 18:05 to 18:06 and VIB occurring from 18:07 to 18:09.
S0228	08-12-20	7:18	PRE	7:18	US	Adult	U	1	90	245	N	Eye	Head	Swim	Dive	SL	None	Too far and quick to get ID
S0229	08-12-20	7:23	VIB	9:24	SS	Adult	U	6	60	325	Variable	Eye	Head	Look	Mill	SL	None	Six seals milling about in same general area, resurfacing multiple times as close 30m and as far as 200m between 280 and 360 degrees. Seals remained into following shift. VIB occurring from 8:24 to 8:25, 8:32 to 8:33, and 8:34 to 8:35.
S0230	08-12-20	10:03	SLING	10:03	SS	Adult	U	1	400	350	N	Eye	Head	Look	Sink	SL	None	
S0231	08-12-20	10:49	STAB	10:49	SS	Adult	U	1	250	315	S	Eye	Head	Look	Sink	SL	None	Flowing south with the current
S0232	08-12-20	12:14	SLING	12:14	US	U	U	1	600	225	S	Eye	Head	Splash	Look	MO	None	Too far to get ID
S0233	08-12-20	13:21	STAB	14:05	US	Adult	U	1	130	20	U	Eye	Head	Look	Dive	SL	None	SS or RS, hung out in the area
S0234	08-12-20	14:37	STAB	14:37	US	Adult	U	1	100	250	U	Eye	Head	Look	Sink	SL	None	RS or SS
S0235	08-12-20	14:39	STAB	14:39	US	U	U	1	300	235	S	Eye	Head	Look	Dive	MO	None	RS or SS
S0236	08-12-20	14:50	STAB	14:50	US	Adult	U	1	70	270	SW	Eye	Head	Look	Dive	MO	None	RS or SS
S0237	08-12-20	14:52	STAB	14:52	US	Adult	U	2	50	10	NW	Eye	Head	Look	Dive	MO	None	RS or SS, two seals
S0238	08-12-20	15:10	STAB	15:15	US	Adult	U	1	100	330	N	Eye	Head	Look	Dive	MO	None	RS or SS
S0239	08-12-20	15:27	VIB	16:08	US	Adult	U	1	400	330	Variable	Eye	Head	Look	Mill	SL	None	SS or RS, hung out in the area. VIB occurring from 15:48 to 15:50, 15:57 to 15:59, 16:02 to 16:03, and 16:08 to 16:09.
S0240	08-12-20	15:46	STAB	15:47	US	Adult	U	1	200	260	S	Eye	Head	Travel	Dive	MO	None	RS or SS

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
S0241	08-12-20	15:58	VIB	17:35	US	Adult	U	2	200	310	Variable	Eye	Head	Look	Sink	SL	None	SS or RS, seals hung out in the area. VIB occurring from 15:57 to 15:59, 16:02 to 16:03, 16:08 to 16:09, 16:15 to 16:16, 17:16 to 17:18, 17:26 to 17:27, and 17:33 to 17:34.
S0242	08-12-20	18:09	VIB	18:25	SS	Adult	U	1	150	315	N	Eye	Head	Look	Sink	SL	None	Seal seen in the area multiple times. VIB occurring from 18:23 to 18:24.
S0243	08-12-20	18:17	VIB	18:25	SS	U	U	1	500	320	N	Eye	Head	Look	Sink	SL	None	VIB occurring from 18:23 to 18:24.
S0244	08-13-20	8:42	STAB	8:42	US	Adult	U	1	30	255	U	Eye	Head	Look	Sink	SL	None	RS or SS
S0245	08-13-20	9:53	STAB	9:53	US	Adult	U	1	275	300	N	Eye	Head	Look	Sink	SL	None	
S0246	08-13-20	11:09	VIB/VIBR	12:13	SS	Adult	U	1	100	330	Variable	Eye	Head	Look	Mill	SL	None	Seal hanging around fishing net. VIB/VIBR occurring from 11:56 to 12:02. VIB occurring from 12:09 to 12:10.
S0247	08-13-20	12:47	No Work	12:50	US	Adult	U	1	200	10	U	Eye	Head	Look	Sink	SL	None	RS or SS
S0248	08-13-20	14:24	VIB	15:54	US	Adult	U	2	210	340	Variable	Eye	Head	Look	Sink	SL	None	Two seals, RS or SS, resighted in the same area. VIB occurring from 14:51 to 14:52, 14:58 to 15:00, 15:07 to 15:09, and 15:14 to 15:15.
S0249	08-13-20	15:40	STAB	15:40	US	Adult	U	1	250	220	U	Eye	Body	Look	Dive	SL	None	RS or SS, too quick to get ID
S0250	08-13-20	16:50	STAB	16:50	SS	U	U	1	700	357	S	Eye	Head	Look	Sink	SL	None	
S0251	08-13-20	16:59	STAB	16:59	SS	U	U	1	400	310	S	Eye	Head	Look	Sink	SL	None	
S0252	08-13-20	18:29	VIB	18:45	SS	U	U	1	250	322	N	Eye	Head	Porpoise	Dive	MO	None	Moving around the area. Vib occurring from 18:29 to 18:30, 18:31 to 18:32, and 18:34 to 18:35.
S0253	08-14-20	8:42	SLING	9:21	SS	Adult	U	2	50	335	Variable	Eye	Head	Look	Sink	SL	None	Seals hanging around and resurfacing in the same general area
S0254	08-14-20	8:55	SLING	8:55	US	U	U	1	255	330	N	Eye	Head	Look	Sink	SL	None	RS or SS
S0255	08-14-20	9:06	SLING	9:18	SS	Adult	U	1	50	240	SW	Eye	Head	Look	Dive	MO	None	Seal seen in the area multiple times
S0256	08-14-20	9:36	No Work	9:36	US	U	U	2	600	315	N	Eye	Head	Look	Sink	SL	None	Both seals are RS or SS
S0257	08-14-20	10:28	SLING	10:28	US	U	U	1	400	360	N	Eye	Head	Look	Dive	SL	None	RS or SS
S0258	08-14-20	10:46	SLING	10:46	SS	Adult	U	1	70	270	S	Eye	Head	Look	Sink	SL	None	Looking N, but flowing S with the current
S0259	08-14-20	11:08	SLING	11:08	SS	Adult	U	1	20	335	N	Eye	Head	Look	Sink	SL	None	
S0260	08-14-20	11:09	SLING	11:42	US	U	U	1	400	260	N	Eye	Head	Look	Sink	SL	None	RS or SS, Seal seen in the area multiple times
S0261	08-14-20	12:00	No Work	12:04	BW	Adult	U	5	1700	260	W	Eye	Blow	Travel	Dive	MO	None	At least 5 whales, came from the S and heading W and out of sight. Potentially herded back into the sound by local hunters, but not resighted by observers
S0262	08-14-20	12:45	PRE	12:45	US	Adult	U	1	80	260	S	Eye	Head	Look	Sink	MO	None	RS or SS
S0263	08-14-20	13:53	SLING	13:59	US	Adult	U	1	120	30	U	Eye	Head	Look	Sink	SL	None	RS or SS
S0264	08-14-20	14:10	SLING	15:02	US	Adult	U	2	150	270	U	Eye	Head	Look	Sink	SL	None	Both seals are RS or SS

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
S0265	08-14-20	16:43	No Work	16:43	SS	U	U	1	300	300	N	Eye	Head	Look	Sink	SL	None	
S0266	08-14-20	17:20	STAB	17:20	SS	U	U	1	200	330	S	Eye	Head	Look	Sink	SL	None	
S0267	08-14-20	17:40	VIB	17:40	SS	Adult	U	1	175	250	E	Eye	Head	Look	Sink	SL	None	VIB occurring from 17:40 to 17:42.
S0268	08-14-20	18:18	STAB	18:18	SS	U	U	1	600	325	N	Eye	Head	Look	Sink	SL	None	
S0269	08-14-20	18:35	POST	18:35	SS	U	U	1	300	300	N	Eye	Head	Look	Sink	SL	None	
S0270	08-15-20	8:06	VIB	8:40	SS	U	U	1	80	306	N	Eye	Head	Look	Mill	SL	None	Resighted in the same area. Vib occurring from 8:14 to 8:17 and 8:21 to 8:24.
S0271	08-15-20	11:55	No Work	11:55	US	U	U	1	800	360	U	Eye	Head	Look	Sink	SL	None	SS or RS
S0272	08-15-20	16:09	STAB	16:09	US	Adult	U	1	160	280	U	Eye	Head	Look	Sink	SL	None	SS or RS
S0273	08-15-20	16:12	VIB	18:15	SS	Adult	U	1	200	320	U	Eye	Head	Look	Sink	SL	None	Resighted in the same area over shift change. Vib occurring from 16:38 to 16:40, 16:47 to 16:48, 16:57 to 16:59, 17:03 to 17:04, 17:06 to 17:07, 18:02 to 18:05, 18:07 to 18:09, and 18:14 to 18:16.
S0274	08-15-20	18:13	SLING	18:13	SS	U	U	1	10	315	W	Eye	Body	Breach	Porpoise	MO	None	Seal porpoised out of the water very close to railing.
S0275	08-17-20	7:03	SLING	8:59	SS	Adult	U	2	30	269	U	Eye	Head	Look	Sink	SL	None	Two seals hanging around in the area
S0276	08-17-20	8:17	No Work	8:20	SS	Adult	U	1	30	30	S	Eye	Head	Swim	Dive	SL	None	
S0277	08-17-20	8:49	No Work	8:51	SS	Adult	U	2	80	340	U	Eye	Head	Feed	Sink	SL	None	2 seals seen fishing in the same spot; seen with fish in mouths
S0278	08-17-20	9:07	SLING	9:08	SS	Adult	U	1	50	270	N	Eye	Head	Swim	Dive	SL	None	
S0279	08-17-20	12:11	No Work	12:12	SS	Adult	U	1	40	210	N	Eye	Head	Look	Dive	SL	None	
S0280	08-17-20	13:02	Other	13:02	SS	Adult	U	1	30	310	U	Eye	Head	Look	Sink	SL	None	
S0281	08-17-20	14:08	PULL	14:08	US	Adult	U	1	150	310	N	Eye	Head	Look	Dive	SL	None	SS or RS
S0282	08-17-20	14:13	VIB	15:39	SS	Adult	U	1	80	275	Variable	Eye	Head	Look	Mill	SL	None	Seen repeatedly in the same area. VIB occurring from 14:53 to 14:54 and 14:56 to 14:57.
S0283	08-17-20	15:14	SLING	15:49	US	Adult	U	1	300	245	U	Eye	Head	Look	Mill	MO	None	SS or RS, Seen repeatedly in the same area, potentially feeding
S0284	08-17-20	16:34	VIB	18:00	SS	U	U	2	750	7	S	Eye	Head	Look	Sink	SL	None	2 seals hanging out in the area. Vib occurring from 17:57 to 17:58.
S0285	08-17-20	16:41	VIB	18:30	SS	U	U	1	550	320	S	Eye	Head	Look	Sink	SL	None	VIB occurring from 17:57 to 17:58 and 18:04 to 18:06.
S0286	08-17-20	16:49	VIB	17:50	SS	U	U	2	600	260	U	Eye	Head	Look	Sink	SL	None	2 seals hanging out in the area
S0287	08-17-20	16:52	No Work	16:53	SS	U	U	1	900	230	U	Eye	Head	Look	Sink	SL	None	
S0288	08-17-20	17:38	No Work	17:38	SS	U	U	1	200	305	N	Eye	Head	Look	Sink	SL	None	
S0289	08-17-20	17:41	No Work	17:41	SS	U	U	1	75	305	S	Eye	Head	Look	Sink	SL	None	
S0290	08-17-20	18:03	SLING	18:03	SS	U	U	1	350	275	S	Eye	Head	Look	Sink	SL	None	

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
S0291	08-17-20	18:08	POST	18:08	SS	U	U	1	600	340	S	Eye	Head	Look	Sink	SL	None	
S0292	08-17-20	18:40	POST	18:40	SS	U	U	1	200	280	S	Eye	Head	Look	Sink	SL	None	
S0293	08-18-20	7:08	STAB	8:46	SS	Adult	U	2	80	320	U	Eye	Head	Look	Sink	SL	None	2 seals repeatedly popping up in same general area
S0294	08-18-20	7:56	STAB	8:43	US	Adult	U	1	100	230	W	Eye	Head	Swim	Dive	SL	None	RS or SS, Seal seen in the area multiple times
S0295	08-18-20	9:07	STAB	9:08	SS	Adult	U	1	30	270	S	Eye	Head	Swim	Dive	SL	None	
S0296	08-18-20	9:24	STAB	9:25	SS	Adult	U	1	45	210	N	Eye	Head	Look	Dive	SL	None	
S0297	08-18-20	9:44	VIB	9:45	SS	Adult	U	1	35	270	S	Eye	Head	Look	Dive	SL	None	VIB occurring from 9:44 to 9:48.
S0298	08-18-20	10:15	STAB	10:16	SS	U	U	1	60	325	S	Eye	Head	Look	Dive	SL	None	
S0299	08-18-20	12:11	SLING	12:12	SS	Adult	U	1	70	290	N	Eye	Head	Swim	Dive	SL	None	
S0300	08-18-20	12:39	No Work	12:39	US	U	U	1	350	335	N	Eye	Head	Look	Dive	SL	None	RS or SS
S0301	08-18-20	13:48	SLING	13:49	US	U	U	3	450	15	S	Eye	Head	Travel	Swim	MO	None	RS or SS, 3 heads, traveling together
S0302	08-18-20	14:24	VIB/VIBR	14:25	US	Adult	U	1	150	330	S	Eye	Head	Swim	Feed	MO	None	RS or SS. VIB occurring ON LAND from 14:24 to 14:37.
S0303	08-18-20	15:02	VIB	15:03	US	U	U	1	400	285	N	Eye	Head	Travel	Sink	MO	None	RS or SS. VIB occurring ON LAND from 14:38 to 15:18.
S0304	08-18-20	15:05	VIB	15:06	US	Adult	U	1	250	315	S	Eye	Head	Look	Sink	SL	None	RS or SS. VIB occurring ON LAND from 14:38 to 15:18.
S0305	08-18-20	16:47	SLING	16:48	SS	U	U	1	600	285	N	Eye	Head	Look	Sink	SL	None	
S0306	08-19-20	15:30	VIB	15:52	US	U	U	1	60	359	Variable	Eye	Head	Look	Sink	SL	None	RS or SS, Seal seen in the area multiple times. VIB occurring from 15:43 to 15:46 and 15:51 to 15:54.
S0307	08-19-20	16:23	STAB	16:23	US	U	U	1	110	325	S	Eye	Head	Swim	Sink	MO	None	RS or SS
S0308	08-19-20	18:35	POST	18:36	SS	U	U	1	250	300	U	Eye	Head	Look	Sink	SL	None	
S0309	08-20-20	10:56	SLING	10:56	SS	U	U	1	70	330	S	Eye	Head	Look	Dive	SL	None	
S0310	08-20-20	11:27	SLING	11:27	SS	U	U	1	60	310	S	Eye	Head	Look	Dive	SL	None	
S0311	08-20-20	11:33	SLING	11:33	SS	U	U	1	70	350	S	Eye	Head	Look	Sink	SL	None	
S0312	08-20-20	12:35	VIB/VIBR	16:22	US	U	U	1	200	260	U	Eye	Head	Look	Sink	SL	None	SS or RS, Popping around in area multiple times. VIBR occurring from 13:39 to 13:40, 13:54 to 13:55, 14:02 to 14:03, 14:10 to 14:11, and 14:19 to 14:20. VIB occurring from 13:45 to 13:46, 13:57 to 13:58, 14:05 to 14:05, 14:13 to 14:13, and 14:23 to 14:23.
S0313	08-20-20	13:08	VIB/VIBR	14:47	US	U	U	1	100	310	U	Eye	Head	Look	Sink	SL	None	SS or RS, Popping up around fishing net. VIBR occurring from 13:39 to 13:40, 13:54 to 13:55, 14:02 to 14:03, 14:10 to 14:11, and 14:19 to 14:20. VIB occurring from 13:45 to 13:46, 13:57 to 13:58, 14:05 to 14:05, 14:13 to 14:13, and 14:23 to 14:23.

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
S0314	08-20-20	13:33	VIB/VIBR	15:05	SS	U	U	1	50	275	NW	Eye	Head	Look	Sink	SL	None	VIBR occurring from 13:39 to 13:40, 13:54 to 13:55, 14:02 to 14:03, 14:10 to 14:11, and 14:19 to 14:20. VIB occurring from 13:45 to 13:46, 13:57 to 13:58, 14:05 to 14:05, 14:13 to 14:13, and 14:23 to 14:23.
S0315	08-20-20	15:28	No Work	15:29	US	U	U	1	150	360	U	Eye	Head	Look	Sink	SL	None	Rs/ss
S0316	08-20-20	16:03	VIB/VIBR	16:57	US	U	U	1	200	310	U	Eye	Head	Look	Sink	SL	None	SS or RS, Popping up in area multiple times. VIBR occurring from 16:24 to 16:25. VIB occurring from 16:28 to 16:29.
S0317	08-20-20	16:39	VIB/VIBR	19:03	SS	U	U	1	500	340	NW	Eye	Head	Look	Sink	SL	None	Hanging around a fishing net. VIBR occurring from 18:00 to 18:01, 18:02 to 18:05, 18:27 to 18:27 and 18:31 to 18:32. VIB occurring from 18:02 to 18:05, 18:29 to 18:29 and 18:33 to 18:33.
S0318	08-20-20	17:10	VIB/VIBR	19:03	SS	U	U	1	600	300	N	Eye	Head	Look	Sink	SL	None	Hanging around a fishing net. VIBR occurring from 18:00 to 18:01, 18:02 to 18:05, 18:27 to 18:27 and 18:31 to 18:32. VIB occurring from 18:02 to 18:05, 18:29 to 18:29 and 18:33 to 18:33.
S0319	08-20-20	17:59	No Work	17:59	SS	U	U	1	650	10	N	Eye	Head	Look	Sink	SL	None	
S0320	08-20-20	18:16	VIB/VIBR	19:03	SS	U	U	1	40	315	S	Eye	Head	Look	Sink	SL	None	Popping up in area multiple times. VIBR occurring from 18:27 to 18:27 and 18:31 to 18:32. VIB occurring from 18:29 to 18:29 and 18:33 to 18:33.
S0321	08-21-20	7:08	PRE	7:08	US	U	U	1	150	11	SW	Eye	Head	Look	Sink	SL	None	RS or SS
S0322	08-21-20	8:31	VIB/VIBR	8:44	SS	U	U	2	300	270	S	Eye	Head	Look	Sink	SL	None	Two seals popping up in area multiple times. VIBR occurring from 8:36 to 8:37. VIB occurring from 8:39 to 8:40.
S0323	08-21-20	9:28	No Work	9:28	SS	U	U	1	100	330	S	Eye	Head	Look	Dive	SL	None	
S0324	08-21-20	10:03	No Work	10:04	SS	U	U	1	150	325	S	Eye	Head	Look	Dive	SL	None	
S0325	08-21-20	10:12	SLING	10:12	SS	U	U	1	200	240	S	Eye	Head	Look	Sink	SL	None	
S0326	08-21-20	10:27	SLING	10:28	SS	U	U	1	250	310	S	Eye	Head	Look	Dive	SL	None	
S0327	08-21-20	10:38	SLING	10:38	US	U	U	1	400	360	S	Eye	Head	Look	Dive	SL	None	RS or SS
S0328	08-21-20	11:12	SLING	11:12	US	U	U	1	300	330	S	Eye	Head	Look	Dive	SL	None	RS or SS
S0329	08-21-20	15:13	SLING	15:49	US	Adult	U	2	100	310	U	Eye	Head	Look	Sink	SL	None	SS or RS, 2 Seals Popping up in area multiple times
S0330	08-21-20	15:16	SLING	16:02	SS	Adult	U	1	300	270	U	Eye	Head	Look	Sink	SL	None	Popping up in area multiple times
S0331	08-21-20	15:20	No Work	15:20	US	U	U	1	300	310	U	Eye	Head	Look	Sink	SL	None	RS or SS
S0332	08-21-20	15:27	VIB/VIBR	18:59	SS	U	U	3	50	320	U	Eye	Head	Look	Sink	SL	None	3 seals Surfaced multiple times over a period of time. VIBR occurring from 17:46 to 17:47. VIB occurring from 17:51 to 17:53.

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
S0333	08-22-20	7:20	SLING	8:13	SS	Adult	U	1	5	305	U	Eye	Head	Look	Sink	SL	None	Resighted multiple times, popped up very close to seawall
S0334	08-22-20	12:55	VIB	14:21	US	U	U	4	450	255	U	Eye	Head	Look	Sink	SL	None	4 seals hanging out in the area, Too far to ID. VIB occurring from 12:58 to 12:59, 13:06 to 13:07, 13:11 to 13:14, 14:07 to 14:09, and 14:15 to 14:17.
S0335	08-22-20	13:32	VIB	14:45	US	U	U	1	250	20	U	Eye	Head	Look	Mill	SL	None	SS or RS, Popping up in area multiple times. VIB occurring from 12:58 to 12:59, 13:06 to 13:07, 13:11 to 13:14, 14:07 to 14:09, 14:15 to 14:17, and 14:25 to 14:26.
S0336	08-22-20	13:49	VIB	14:42	US	Adult	U	1	200	335	U	Eye	Head	Look	Mill	SL	None	SS or RS, Popping up in area multiple times. VIB occurring from 12:58 to 12:59, 13:06 to 13:07, 13:11 to 13:14, 14:07 to 14:09, 14:15 to 14:17, and 14:25 to 14:26.
S0337	08-22-20	17:40	SLING	17:40	SS	U	U	1	600	310	N	Eye	Head	Look	Sink	SL	None	
S0338	08-22-20	18:02	POST	18:10	SS	U	U	1	250	305	S	Eye	Head	Look	Sink	SL	None	Seen multiple times
S0339	08-22-20	18:12	POST	18:12	SS	U	U	1	700	5	S	Eye	Head	Look	Sink	SL	None	
S0340	08-27-20	8:16	VIB/VIBR	8:25	SS	Adult	U	1	300	350	NE	Eye	Head	Look	Sink	SL	None	Saw seal with nose up, snorkeling. Continued to mill, snorkel in the same area. Last seen at 8:25
S0341	08-27-20	9:12	No Work	9:13	SS	U	U	1	50	260	S	Eye	Head	Look	Sink	SL	None	Looked, flowed with current and sank
S0342	08-27-20	10:48	SLING	10:48	SS	U	U	1	70	325	S	Eye	Head	Look	Sink	SL	None	Going with the current - just looked at me and flow
S0343	08-27-20	11:30	VIB	11:30	US	U	U	1	100	320	N	Eye	Head	Look	Sink	SL	None	Looked, flowed with current, traveling north
S0344	08-27-20	12:20	No Work	12:20	US	U	U	1	150	310	S	Eye	Head	Look	Sink	SL	None	
S0345	08-27-20	12:34	No Work	12:36	SS	Adult	U	1	45	320	S	Eye	Head	Look	Swim	SL	None	
S0346	08-27-20	12:46	No Work	12:47	SS	Adult	U	1	60	250	N	Eye	Head	Look	Swim	SL	None	
S0347	08-27-20	12:54	SLING	12:55	SS	Adult	U	1	30	200	N	Eye	Head	Look	Swim	SL	None	
S0348	08-27-20	13:07	SLING	13:08	SS	Adult	U	1	25	270	S	Eye	Head	Swim	Dive	SL	None	
S0349	08-27-20	13:25	Other	13:26	SS	Adult	U	1	35	310	N	Eye	Other	Look	Dive	SL	None	
S0350	08-27-20	14:31	STAB	14:33	SS	Adult	U	1	90	190	N	Eye	Other	Look	Dive	SL	None	
S0351	08-28-20	7:10	PRE	7:14	SS	Adult	U	1	50	325	N	Eye	Head	Look	Sink	SL	None	Seal milling near seawall
S0352	08-28-20	7:38	STAB	7:39	US	Adult	U	1	600	300	S	Eye	Body	Swim	Dive	MO	None	Seal swimming along the tideline to the south
S0353	08-28-20	7:49	STAB	8:05	SS	Adult	U	2	75	320	NW	Eye	Head	Swim	Mill	MO	None	2 seals about 100m apart milling between the seawall and the tide line. Likely the previous 2 sightings. Last seen about 600m swimming north.
S0354	08-28-20	9:22	No Work	9:22	SS	U	U	1	50	350	S	Eye	Head	Look	Sink	SL	None	Looking north flowing with current south
S0355	08-28-20	16:52	VIB	17:05	SS	U	U	1	550	308	W	Bino	Head	Look	Mill	SL	None	Hanging around gillnet, barge came through and scared it away

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
S0356	08-31-20	9:45	Other	10:42	SS	U	U	1	100	250	S	Eye	Head	Look	Sink	SL	None	Flowed with current south
S0357	08-31-20	9:51	VIB/VIBR	12:24	SS	U	U	1	50	300	S	Eye	Head	Look	Sink	SL	None	Milling
S0358	08-31-20	10:03	VIB/VIBR	12:24	SS	U	U	1	75	240	S	Eye	Head	Look	Sink	SL	None	
S0359	08-31-20	10:05	VIB/VIBR	12:24	SS	U	U	1	150	300	S	Eye	Head	Look	Sink	SL	None	Two popped up same time
S0360	08-31-20	10:16	No Work	10:16	SS	U	U	1	500	5	S	Bino	Head	Look	Sink	SL	None	Popped up same time as the one closer
S0361	08-31-20	10:18	VIB/VIBR	11:15	SS	U	U	1	75	290	S	Eye	Head	Look	Sink	SL	None	
S0362	08-31-20	12:41	No Work	X	SS	Adult	U	2	65	265	N	Eye	Head	Look	Dive	SL	None	Two seals milling and eating
S0363	08-31-20	12:55	No Work	12:56	SS	Adult	U	1	85	310	N	Eye	Head	Look	Dive	SL	None	
S0364	08-31-20	13:36	No Work	13:37	SS	Adult	U	1	40	250	N	Eye	Head	Look	Dive	SL	None	
S0365	09-02-20	8:13	Other	12:30	SS	Adult	U	4	50	300	X	Eye	Head	Swim	Mill	SL	None	Seals milling in area - probable feeding
S0366	09-02-20	10:50	Other	12:12	SS	Adult	U	2	70	250	S	Eye	Head	Look	Mill	SL	None	
S0367	09-02-20	12:54	No Work	13:00	SS	Adult	U	2	150	330	N	Eye	Head	Look	Dive	SL	None	
S0368	09-02-20	13:07	No Work	13:07	SS	Adult	U	1	50	285	S	Eye	Head	Look	Sink	SL	None	Popped up with a fish in its mouth
S0369	09-02-20	13:20	VIB	13:24	SS	Adult	U	1	75	310	S	Eye	Head	Look	Sink	SL	None	Flowing with current
S0370	09-02-20	13:38	VIB	13:56	SS	Adult	U	1	100	270	N	Eye	Head	Look	Sink	SL	None	
S0371	09-02-20	14:33	Other	14:51	SS	Adult	U	1	75	310	N	Eye	Head	Look	Dive	MO	None	Popping up in the same general area
S0372	09-02-20	14:54	SLING	15:51	SS	Adult	U	1	300	270	N	Eye	Head	Look	Sink	SL	None	
S0373	09-02-20	15:16	VIB	17:08	SS	Adult	U	2	150	290	N	Eye	Head	Look	Sink	SL	None	Surfacing together
S0374	09-02-20	16:52	SLING	17:14	SS	Adult	U	1	75	240	N	Eye	Head	Look	Swim	SL	None	
S0375	09-02-20	17:21	Other	17:27	SS	Adult	U	1	50	265	S	Eye	Head	Look	Swim	SL	None	Head spotted at surface, swam for a few seconds and went out of sight
S0376	09-02-20	17:35	Other	17:36	SS	U	U	3	75	325	X	Eye	Head	Look	Sink	SL	None	All three were within feet of each Other
S0377	09-02-20	17:44	Other	17:45	SS	U	U	1	300	290	NE	Bino	Head	Look	Sink	SL	None	
S0378	09-02-20	17:52	Other	17:53	SS	U	U	1	750	8	S	Bino	Head	Look	Sink	SL	None	
S0379	09-02-20	17:58	Other	17:58	SS	U	U	1	350	315	S	Bino	Head	Look	Sink	SL	None	
S0380	09-02-20	18:06	Other	18:06	SS	U	U	1	300	25	S	Eye	Head	Look	Sink	SL	None	
S0381	09-02-20	18:14	Other	18:14	SS	U	U	1	550	330	S	Bino	Head	Look	Sink	SL	None	
S0382	09-02-20	18:29	SLING	18:29	SS	U	U	1	675	280	X	Bino	Head	Look	Sink	SL	None	
S0383	09-02-20	18:33	STAB	18:33	SS	U	U	1	800	250	N	Bino	Head	Look	Sink	SL	None	
S0384	09-02-20	18:35	STAB	18:36	SS	U	U	2	500	10	S	Bino	Head	Look	Sink	SL	None	
S0385	09-02-20	19:05	SLING	19:06	SS	U	U	1	500	260	N	Bino	Head	Look	Sink	SL	None	
S0386	09-02-20	19:15	VIB	19:16	SS	U	U	1	600	350	S	Bino	Head	Look	Sink	SL	None	
S0387	09-02-20	19:17	VIB	19:18	SS	U	U	1	175	330	S	Bino	Head	Look	Sink	SL	None	

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
S0388	09-02-20	19:20	VIB	19:20	SS	U	U	1	400	320	N	Bino	Head	Look	Sink	SL	None	
S0389	09-02-20	19:27	VIB	19:27	SS	U	U	1	225	265	N	Bino	Head	Look	Sink	SL	None	
S0390	09-02-20	19:30	VIB	19:31	SS	U	U	3	250	300	S	Bino	Head	Look	Sink	SL	None	2 seals 250m out right next to each Other and 1 seal at 500m out
S0391	09-02-20	19:41	POST	19:41	SS	U	U	1	450	340	S	Bino	Head	Look	Sink	SL	None	
S0392	09-02-20	19:44	POST	19:44	SS	U	U	1	200	5	S	Bino	Head	Look	Sink	SL	None	
S0393	09-02-20	19:48	POST	19:49	SS	U	U	2	800	15	X	Bino	Head	Look	Sink	SL	None	
S0394	09-08-20	13:34	No Work	14:15	SS	Adult	U	2	150	236	SW	Eye	Head	Look	Sink	SL	None	Both surfaced within meters of each Other, looked and sunk. Heads pointed in the southwest direction. Surfaced again further to the southwest, same general area.
S0395	09-08-20	13:42	No Work	15:23	SS	Adult	U	1	100	334	SW	Eye	Head	Look	Swim	SL	None	Head spotted at surface, stayed above as it swam southwest and sank.
S0396	09-08-20	14:35	No Work	16:53	SS	Adult	U	1	300	260	SW	Eye	Body	Swim	Sink	SL	None	Surfaced and sank
S0397	09-08-20	15:03	SLING	16:24	SS	Adult	U	1	75	310	SW	Eye	Head	Swim	Sink	SL	None	Swimming at the surface for a few minutes, repeated sightings.
S0398	09-08-20	16:12	SLING	16:50	SS	Adult	U	1	200	330	E	Eye	Head	Look	Sink	SL	None	
S0399	09-08-20	16:27	SLING	16:27	SS	Adult	U	2	150	255	SE	Eye	Head	Look	Sink	SL	None	Two heads surfaced at the same time, swam south and sank
S0400	09-08-20	17:00	Other	17:28	US	Adult	U	1	75	335	N	Eye	Splash	Splash	Dive	MO	None	Splash seen followed by smooth dark back diving to the north as a boat moved through obsv site.
S0401	09-08-20	17:17	Other	17:23	US	Adult	U	1	300	210	N	Eye	Splash	Splash	Dive	MO	None	Large splash followed by a dive, surfaced shortly after swimming north
S0402	09-08-20	17:30	Other	17:30	SS	Adult	U	1	100	285	SW	Eye	Head	Look	Swim	SL	None	Looking around swimming at surface, then sunk out of sight
S0403	09-08-20	17:45	SLING	17:45	SS	U	U	1	450	330	S	Bino	Head	Look	Sink	SL	None	
S0404	09-08-20	17:46	SLING	17:46	SS	U	U	1	500	235	N	Bino	Head	Look	Sink	SL	None	
S0405	09-08-20	17:47	SLING	17:48	SS	U	U	1	25	310	S	Eye	Head	Look	Sink	SL	None	
S0406	09-08-20	17:48	SLING	17:48	SS	U	U	1	125	300	S	Eye	Head	Look	Sink	SL	None	
S0407	09-08-20	18:18	SLING	18:19	SS	U	U	1	550	357	S	Bino	Head	Look	Sink	SL	None	
S0408	09-08-20	18:22	SLING	18:22	SS	U	U	1	75	230	N	Eye	Head	Look	Sink	SL	None	
S0409	09-08-20	18:37	SLING	18:38	SS	U	U	1	75	5	S	Eye	Head	Look	Sink	SL	None	
S0410	09-09-20	10:20	SLING	10:20	SS	Adult	U	1	40	300	S	Eye	Head	Look	Sink	SL	None	Surfaced, floated. Saw the whole body and sank.
S0411	09-09-20	11:55	Other	12:52	US	U	U	1	100	280	N	Eye	Head	Look	Sink	MO	None	Surfaced several times
S0412	09-09-20	12:29	SLING	12:35	SS	Adult	U	1	40	305	N	Eye	Head	Look	Sink	SL	None	

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
S0413	09-09-20	13:40	VIBR	16:28	SS	Adult	U	1	50	270	N	Eye	Head	Look	Swim	SL	None	Milling
S0414	09-09-20	13:47	SLING	13:47	SS	Adult	U	1	100	330	S	Eye	Head	Look	Dive	MO	None	
S0415	09-09-20	14:59	VIB	15:33	SS	Adult	U	1	50	30	S	Eye	Head	Look	Sink	SL	None	Surfacing between waves
S0416	09-09-20	16:45	SLING	X	SS	Adult	U	1	75	35	N	Eye	Body	Look	Swim	SL	None	Swimming at surface towards the shore
S0417	09-09-20	17:40	POST	17:40	SS	U	U	1	30	300	S	Eye	Head	Look	Sink	SL	None	
S0418	09-10-20	8:48	Other	8:56	SS	Adult	U	1	50	10	W	Eye	Head	Swim	Sink	SL	None	Swimming along seawall
S0419	09-12-20	8:00	VIB	13:00	SS	Adult	U	4	30	310	X	Eye	Head	Mill	Feed	SL	None	4 seals milling and feeding close to the seawall
S0420	09-12-20	8:10	VIB	13:00	US	Adult	U	20	200	310	X	Eye	Head	Mill	Sink	SL	None	20 seals between 200 and 400m - probable feeding
S0421	09-12-20	8:20	VIB	13:00	SS	Adult	U	6	30	290	X	Eye	Head	Mill	Feed	SL	None	All were feeding on flounder near shore to the south of the obsv station.
S0422	09-12-20	8:30	VIB	13:36	US	Adult	U	30	300	50	X	Eye	Head	Mill	Sink	SL	None	Seals in tide line to the northeast - probable feeding. 13:00 down to 10 seals, 13:18 3 seals.
S0423	09-12-20	13:51	VIB	16:55	SS	Adult	U	3	200	270	N	Eye	Head	Look	Splash	MO	None	Head spotted at the surface followed by a large splash. Observed feeding on flounder. 15:06 group increased to 3. Last seen 16:55
S0434	09-12-20	14:08	VIB	17:20	SS	Adult	U	2	50	300	N	Eye	Body	Swim	Dive	SL	None	Milling and feeding
S0425	09-12-20	14:45	VIB	17:15	SS	Adult	U	1	100	210	W	Eye	Head	Look	Feed	SL	None	Spotted with flounder in mouth, continued to mill in area
S0426	09-12-20	15:33	VIB	16:01	SS	Adult	U	2	300	230	X	Eye	Head	Look	Rest	SL	None	2 seals spotted at surface looking and bobbing in same general area, resting at surface
S0427	09-12-20	17:30	VIB	19:30	SS	U	U	6	25	275	X	Eye	Head	Look	Mill	SL	None	Same 6 seals hanging out the whole time
S0428	09-13-20	8:00	VIB	11:00	SS	Adult	U	12	30	280	X	Eye	Head	Mill	Feed	SL	None	Several seals near the sea wall between 30 and 100m milling and feeding on flounder. Seals still milling when observations ended.
S0429	09-13-20	8:10	VIB	11:00	SS	Adult	U	7	200	350	X	Eye	Head	Mill	Swim	SL	None	Seal between 200 and 400m in the tide line to the North - probable feeding. 9:40 3 seals in area. 11:00 seals still milling when observations ended.
S0430	09-13-20	8:30	VIB	11:00	US	Adult	U	8	200	290	X	Eye	Head	Mill	Swim	SL	None	Seals approx. 200m to the west in the tide line. 11:00 seals still milling when observations ended.
S0431	09-14-20	8:00	VIB/VIBR	10:00	SS	Adult	U	6	50	290	W	Eye	Head	Mill	Feed	SL	None	Milling and feeding near the sea wall until end of watch at 10:00
S0432	09-14-20	14:06	PRE	14:14	SS	Adult	U	4	60	5	E	Eye	Head	Look	Dive	MO	None	Seals swimming against the tide in front of platform, then floating by repeatedly
S0433	09-14-20	14:21	VIB/VIBR	15:05	SS	Adult	U	16	25	20	E	Eye	Head	Dive	Swim	MO	None	Close groups of seals floating past platform with tide
S0434	09-14-20	15:08	SLING	16:00	SS	Adult	U	18	50	80	E	Eye	Head	Mill	Dive	MO	None	Groups of seals float by west of platform

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
S0435	09-14-20	16:09	STAB	16:39	SS	Adult	U	6	50	300	S	Eye	Head	Look	Rest	SL	None	Multiple heads at the surface floating with the tide to the south
S0436	09-14-20	16:25	VIB	18:08	SS	Adult	U	5	250	330	S	Eye	Head	Look	Rest	SL	None	Multiple heads at the surface looking around and floating with the current. 16:50 - group seems to be resting just to the south of the obsv station.
S0437	09-14-20	16:34	VIB	18:00	SS	Adult	U	5	100	330	S	Eye	Head	Look	Rest	SL	None	Multiple heads at the surface looking around and floating with the current.
S0438	09-14-20	16:42	SLING	18:00	SS	Adult	U	12	50	300	S	Eye	Head	Look	Rest	SL	None	Multiple animals resting at the surface, floating with the current
S0439	09-14-20	18:43	STAB	19:15	SS	Adult	U	15	25	220	X	Eye	Head	Look	Mill	SL	None	All milling around between 25 and 300m
S0440	09-14-20	19:15	VIB	20:40	SS	Adult	U	8	25	225	S	Eye	Head	Look	Mill	SL	None	All milling around between 25 and 500m
S0441	09-14-20	20:50	POST	21:13	SS	Adult	U	6	50	330	S	Eye	Head	Look	Mill	SL	None	All milling around between 25 and 250m
S0442	09-15-20	8:30	VIB	12:55	SS	Adult	U	9	50	290	X	Eye	Head	Mill	Feed	SL	None	Seals milling near the sea wall. 10:30 still milling. 11:04 down to 6 seals, 11:40 4 seals, observed feeding on flounder. 12:39 back to 9 seals.
S0443	09-15-20	8:50	PRE	9:00	US	Adult	U	4	200	310	X	Eye	Head	Look	Sink	SL	None	Milling/bobbing in the tide line
S0444	09-15-20	9:20	VIB	9:45	SS	Adult	U	6	200	320	S	Eye	Head	Look	Sink	SL	None	Floating south with the current
S0445	09-15-20	11:20	VIB	12:02	SS	Adult	U	3	200	320	S	Eye	Head	Look	Sink	SL	None	Milling/floating with current
S0446	09-15-20	12:55	VIB/VIBR	17:00	SS	Adult	U	15	25	230	X	Eye	Head	Mill	Feed	SL	None	Additional from sighting S442 seals feeding . 14:31 seals still in the area feeding. 17:00 group still milling and feeding.
S0447	09-15-20	13:50	SLING	13:50	RS	U	U	2	20	295	S	Eye	Head	Look	Dive	SL	None	Popped up, looked like spotted seal and dove. They are ringed seal.
S0448	09-15-20	16:13	SLING	17:45	SS	Adult	U	2	100	310	X	Eye	Head	Look	Rest	SL	None	2 heads at surface looking around, sinking and resurfacing. 16:21 seen feeding
S0449	09-15-20	18:09	VIB/VIBR	21:17	SS	U	U	5	25	290	X	Eye	Head	Look	Mill	SL	None	As many as 9 between 25m and 450m. 3 seals by 20:40
S0450	09-16-20	8:30	VIB/VIBR	10:37	SS	Adult	U	4	50	290	X	Eye	Head	Mill	Feed	SL	None	Seals milling near the sea wall feeding on flounder. 9:30 still milling.
S0451	09-16-20	9:06	Other	9:18	SS	Adult	U	3	75	340	W	Eye	Body	Swim	Dive	MO	None	Seals swimming/traveling from east to west
S0452	09-16-20	9:16	Other	9:21	US	Adult	U	5	200	360	X	Eye	Head	Mill	Sink	SL	None	Seals milling/bobbing in the tide line to the north
S0453	09-16-20	10:50	VIB	11:09	SS	Adult	U	1	75	240	SE	Eye	Head	Look	Sink	SL	None	
S0454	09-16-20	11:21	STAB	11:21	SS	Adult	U	1	325	340	N	Eye	Head	Look	Sink	SL	None	
S0455	09-16-20	11:34	VIB	12:33	SS	Adult	U	1	100	355	S	Eye	Head	Look	Dive	SL	None	
S0456	09-16-20	11:58	VIB	12:52	SS	Adult	U	1	150	250	N	Eye	Head	Look	Sink	SL	None	
S0457	09-16-20	12:38	No Work	13:15	SS	Adult	U	1	50	310	N	Eye	Head	Look	Swim	MO	None	Whole body showed swimming North, riding waves

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
S0458	09-16-20	12:55	No Work	13:15	SS	Adult	U	1	45	320	S	Eye	Head	Look	Sink	SL	None	
S0459	09-16-20	13:25	VIB	18:00	SS	Adult	U	6	50	280	X	Eye	Head	Look	Sink	SL	None	Milling. 14:36 group still in area seen milling and eating. 16:15 group drifted a bit south, 17:00 group back in front of station.
S0460	09-16-20	14:53	VIB	18:00	SS	Adult	U	2	400	15	W	Eye	Head	Look	Rest	SL	None	2 heads at the surface very close together.
S0461	09-16-20	16:09	VIB	16:40	SS	Adult	U	1	300	330	N	Eye	Head	Look	Rest	SL	None	Floating with the current to the north
S0462	09-16-20	18:10	VIB	19:55	SS	U	U	8	50	350	X	Bino	Head	Look	Mill	SL	None	Seals between 50 and 400m. At 19:46 1 seal
S0463	09-16-20	19:55	VIB	20:30	SS	U	U	2	50	285	X	Eye	Head	Look	Mill	SL	None	Seals between 50m and 125m at 20:20 1 seal
S0464	09-17-20	8:30	VIB/VIBR	14:26	SS	Adult	U	4	75	280	X	Eye	Head	Mill	Sink	SL	None	Seals milling near the sea wall seen on a regular basis until 14:24 when they were observed swimming against the current.
S0465	09-17-20	8:48	PRE	8:48	US	U	U	1	100	340	X	Eye	Splash	Splash	Dive	UN	None	Large splash observed, but no body.
S0466	09-17-20	10:34	VIB	10:47	US	U	U	1	400	265	X	Eye	Head	Look	Sink	SL	None	10:47 milling
S0467	09-17-20	10:36	VIB/VIBR	11:03	US	U	U	1	425	290	X	Eye	Head	Look	Swim	MO	None	10:47 milling, 10:50 splash, 11:03 milling
S0468	09-17-20	11:53	Other	12:03	US	U	U	2	650	355	NE	Bino	Head	Look	Swim	MO	None	1 foot apart. 12:03 milling
S0469	09-17-20	12:18	VIB/VIBR	17:00	SS	Adult	U	6	25	230	X	Eye	Head	Mill	Sink	SL	None	Milling.
S0470	09-17-20	12:58	Other	13:50	US	U	U	4	350	340	S	Eye	Head	Mill	Swim	MO	None	Swimming south. 13:50 milling
S0471	09-17-20	14:26	VIB/VIBR	16:30	SS	Adult	U	7	75	280	S	Eye	Head	Look	Rest	SL	None	Combined group S464, as 3 additional individuals surfaced. Group milling at 16:30
S0472	09-17-20	15:45	Other	15:45	US	Adult	U	1	400	340	X	Eye	Splash	Splash	Unk	UN	None	Large splash seen, quick flash of shiny back
S0473	09-17-20	18:00	VIB	20:22	SS	U	U	6	25	255	X	Eye	Head	Look	Mill	SL	None	Seals milling.
S0474a	09-18-20	8:30	PRE	9:00	SS	Adult	U	18	25	300	SW	Eye	Head	Swim	Mill	SL	None	Seals floating past with the current towards the SW. *upon photo id a ringed seal was confirmed.
S0474b	09-18-20	8:30	PRE	9:00	RS	Adult	U	1	25	300	SW	Eye	Head	Swim	Mill	SL	None	Seals floating past with the current towards the SW. *upon photo id a ringed seal was confirmed.
S0475	09-18-20	9:15	VIB/VIBR	17:00	US	U	U	100	600	220	NE	Eye	Head	Swim	Mill	UN	None	Over 100 seals to the Southwest all along the channel. Active birds and splashing observed, probable feeding on herring. 10:20 group moving closer - approx. 300m. Group still in the area at 17:00. Same as #C238
S0476	09-18-20	9:42	VIB	10:11	SS	Adult	U	4	20	190	X	Eye	Head	Mill	Feed	SL	None	Milling and feeding on flounder close to the seawall.
S0477	09-18-20	10:10	VIB	10:20	SS	Adult	U	14	100	310	SW	Eye	Head	Swim	Dive	MO	None	Group from the north swimming past towards the southwest.
S0478	09-18-20	14:00	VIBR	17:30	SS	Adult	U	6	50	290	N	Eye	Head	Look	Rest	SL	None	Several heads spotted at the surface, looking and resting in the current. Group observed milling and feeding.

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
S0479	09-18-20	18:10	VIB	19:10	SS	U	U	26	25	230	X	Eye	Head	Look	Mill	SL	None	Seals between 25 and 600m
S0480	09-19-20	8:30	VIB	10:34	SS	U	U	15	75	300	X	Eye	Head	Mill	Feed	SL	None	Several seals milling and feeding on flounder. 1 Juvenile in the group. 10:00 6 seals, 10:34 4 seals.
S0481	09-19-20	8:45	SLING	10:00	RS	Adult	U	1	25	310	X	Eye	Body	Mill	Rest	SL	None	Ringed seal milling and resting close to the sea wall.
S0482	09-19-20	8:45	SLING	10:46	US	Adult	U	25	600	220	NE	Eye	Head	Mill	Sink	SL	None	Approx. 25 seals scattered along the tide line floating with the current to the north east. 10:00 have stopped advancing and are about 300m to the south west.
S0483	09-19-20	11:39	VIBR	13:09	RS	U	U	1	20	335	X	Eye	Head	Look	Sink	UN	None	11:42 milling
S0484	09-19-20	12:28	SLING	13:04	SS	Adult	U	3	20	305	X	Eye	Head	Look	Sink	SL	None	
S0485	09-19-20	13:19	SLING	14:00	SS	Adult	U	2	85	45	X	Eye	Head	Look	Sink	SL	None	2 seals milling north
S0486	09-19-20	14:00	VIB	20:08	SS	Adult	U	5	100	300	X	Eye	Head	Look	Rest	SL	None	Multiple heads visible at the surface milling. 16:00 observed feeding, continued milling in the area until 20:08
S0487	09-19-20	16:09	STAB	16:11	US	Adult	U	1	500	310	S	Eye	Splash	Splash	Swim	SL	None	Large splash, seal surfaced and swam south out of sight.
S0488	09-20-20	8:30	VIB	12:10	SS	Adult	U	5	20	310	X	Eye	Head	Mill	Feed	SL	None	Seals milling and feeding near the sea wall until 12:10
S0489	09-20-20	8:30	VIB	21:11	US	Adult	U	11	300	240	X	Eye	Head	Mill	Swim	SL	None	Swimming in in the tide line until 12:11
S0490	09-20-20	9:25	VIB	9:46	SS	Adult	U	1	50	340	SW	Eye	Head	Swim	Sink	SL	None	Slowly swimming towards the southwest
S0491	09-20-20	10:47	VIB	11:50	US	U	U	4	250	340	X	Eye	Head	Mill	Sink	SL	None	
S0492	09-20-20	10:52	SLING	10:52	US	U	U	1	350	350	S	Eye	Head	Look	Sink	SL	None	
S0493	09-20-20	11:21	Other	11:21	US	U	U	1	320	325	S	Eye	Head	Look	Sink	SL	None	
S0494	09-20-20	13:41	Other	13:41	SS	Adult	U	1	35	30	N	Eye	Head	Look	Dive	SL	None	
S0495	09-20-20	14:32	VIB	17:27	SS	Adult	U	16	100	245	N	Eye	Head	Look	Rest	SL	None	9 individuals resting at the surface 16:05 group feeding in area, 17:27 an additional 7 seals at the surface.
S0496	09-20-20	14:45	STAB	14:45	US	Adult	U	1	300	320	X	Eye	Splash	Splash	Unk	UN	None	
S0497	09-20-20	15:20	VIB	16:31	US	Adult	U	4	500	270	X	Eye	Head	Look	Rest	SL	None	4 heads at the surface, milling between birds
S0498	09-20-20	17:58	VIB	20:09	SS	U	U	23	40	250	X	Eye	Head	Look	Mill	SL	None	Most milling, some splashes, 23 seals by 18:40, 8 seals at 19:35, 19 by 20:01.
S0499	09-21-20	8:30	VIB	9:37	SS	Adult	U	6	50	300	X	Eye	Head	Mill	Feed	SL	None	Near the seawall milling and feeding. 9:15 only 1 near shore
S0500	09-21-20	8:45	VIB/VIBR	10:00	US	Adult	U	18	300	260	X	Eye	Head	Swim	Sink	SL	None	Seals spread out in the tide line. 10:00 unable to see them due to sea state.
S0501	09-21-20	9:07	Other	9:20	RS	Adult	U	1	75	320	E	Eye	Body	Swim	Rest	SL	None	Single ringed seal slowly swimming and resting at the surface

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
S0502	09-21-20	10:33	SLING	X	SS	Adult	U	1	30	214	N	Eye	Head	Look	Dive	SL	None	
S0503	09-21-20	11:10	Other	X	SS	Adult	U	3	45	290	N	Eye	Head	Look	Dive	SL	None	
S0504	09-21-20	12:37	No Work	12:38	SS	Adult	U	1	30	220	X	Eye	Body	Rest	Dive	SL	None	Napping
S0505	09-21-20	13:15	STAB	X	SS	Adult	U	2	45	360	N	Eye	Head	Look	Dive	SL	None	
S0506	09-21-20	14:00	VIB/VIBR	18:00	SS	Adult	U	2	50	270	X	Eye	Head	Look	Rest	SL	None	Heads above the surface, bobbing in the current. 16:30 constantly milling and feeding.
S0507	09-21-20	18:03	VIB/VIBR	20:05	SS	Adult	U	6	50	290	X	Eye	Head	Look	Mill	SL	None	Milling around in same area. 4 seals by 20:05.
S0508	09-26-20	17:22	VIB/VIBR	21:18	US	U	U	9	150	300	X	Eye	Head	Splash	Mill	MO	None	
S0509	09-27-20	9:03	Postconstruction	13:00	SS	U	U	122	250	360	X	Eye	Splash	Mill	Splash	MO	None	Same as N. Central sighting #C295, Cont'd with #S511. Approximately 120 seals following tideline. Group moves east by 10:00. Out of sight by 10:15, back by 11:47.
S0510	09-27-20	9:47	Postconstruction	13:00	SS	Juv	U	1	30	345	X	Eye	Head	Look	Sink	SL	None	ID'ed as juvenile by size.
S0511	09-27-20	15:20	Postconstruction	19:23	SS	U	U		100	210	X	Eye	Head	Look	Sink	SL	None	Cont'd from sighting #S509. Surface action, possibly catching fish.
S0512	09-28-20	9:00	Postconstruction	13:00	SS	U	U	85	20	250	U	Eye	Head	Look	Mill	SL	None	50 @ 09:30, 33 @ 9:45, 22 @ 10:15, 6 @ 10:30, 38 @ 10:45, 26 @ 11:00, 72 @ 12:00, 18 @ 12:28, 36 @ 12:25, 28 @ 12:40.
S0513	09-28-20	15:05	Postconstruction	19:00	SS	U	U		25	250	S	Eye	Head	Look	Mill	SL	None	Same as sighting s512. 23 @ 15:25, 9 @ 15:45, 4 @ 16:40, 3 @ 17:50, 4 @ 18:40.
S0514	9-29-20	9:00	Postconstruction	13:00	SS	U	U	9	100	360	X	Eye	Head	Mill	Sink	SL	None	10:00 - 6 seals widely scattered from 100-300m; 11:08 - 6 seals; 12:02 - 9 seals; 12:58 - 5 seals in view
S0515	9-29-20	15:12	Postconstruction	19:00	SS	U	U	26	200	360	X	Eye	Head	Mill	Sink	SL	None	1512 - 4 seals in view; 16:31 - 18 within 300m, 3 outside; 21 seals at 18:01; 15 at 18:29; 26 seen at once at 18:48.
S0516	9-29-20	18:37	Postconstruction	19:00	SS	Juv	U	1	40	10	X	Eye	Head	Look	Sink	SL	None	
S0517	09-30-20	9:05	Postconstruction	13:00	SS	U	U	12	50	255	X	Eye	Head	Look	Mill	SL	None	15 seals at 09:20; down to 0 by 11:00; 4 seals at 12:10; 1 seal at 12:50.
S0518	09-30-20	11:50	Postconstruction	11:51	RBNS	U	U	1	25	330	X	Eye	Head	Dive	Swim	MO	None	Had tannish brown head with black ring around its neck.
S0519	09-30-20	15:35	Postconstruction	19:00	SS	U	U	37	100	255	X	Eye	Head	Look	Mill	SL	None	1 seal at 290 degrees, 275m at 1550; up to 16 seals at 18:03; 37 seals by 18:06, 34 at 18:36.
S0520	09-30-20	15:36	Postconstruction	19:00	SS	U	U	2	125	270	X	Eye	Head	Look	Sink	SL	None	
S0521	10-01-20	9:05	Postconstruction	13:00	SS	U	U	18	25	260	X	Eye	Head	Look	Sink	SL	None	6 seals at 9:20; 18 seals at 11:20; 15 at 11:35; 12 at 12:05; 0 at 12:40; 2 at 12:45

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
S0522	10-01-20	15:04	Postconstruction	19:00	SS	U	U	36	40	300	X	Eye	Head	Look	Mill	SL	None	7 seals at 15:30; 11 seals at 16:55; 17 at 17:44; 36 at 17:51; 8 seals at 17:42; 18 seals at 18:31; 35 seals at 18:36; 33 at 18:50.
S0523	10-02-20	9:15	Postconstruction	13:00	SS	U	U	17	125	10	X	Eye	Head	Look	Sink	SL	None	2 seals at 300 degrees, 125m at 10:20; 17 seals at 12:18, heading north. Down to one seal by 12:31.
S0524	10-02-20	15:13	Postconstruction	19:00	SS	Adult	U	24	70	320	X	Eye	Head	Mill	Dive	SL	None	4 at 15:13; 8 at 17:46; 12 at 18:24; 24 at 19:00
S0525	10-02-20	18:28	Postconstruction	19:00	HP	U	U	2	120	310	NW	Eye	Dorsal	Mill	Dive	MO	None	Seen twice at original bearing; once more at 18:42 at 250m at bearing 290 degrees moving SE. Then seen surfacing every 30 seconds to a minute from 18:51-19:00 at 500-600m, bearing 290 degrees. Seen each time as a pair of comparable size, probable adults.
S0526	10-03-20	9:07	Postconstruction	13:00	SS	Adult	U	4	35	250	N	Eye	Head	Look	Sink	SL	None	Foraging for migrating herring, will continue this time of year until freeze up.
S0527	10-03-20	9:38	Postconstruction	13:00	SS	Adult	U	3	60	263	S	Eye	Head	Look	Dive	SL	None	Change of tide, not many seals for 2 hours.
S0528	10-03-20	11:12	Postconstruction	13:00	BS	Juv	U	1	30	260	N	Eye	Head	Swim	Dive	SL	None	
S0529	10-03-20	14:14	Postconstruction	19:00	SS	Adult	U	11	45	260	X	Eye	Head	Feed	Look	SL	None	Tide changes, seals back to feeding.

NORTH OBSERVER SIGHTINGS

Sighting ID	Date	Sighting time	Activity	End time	Species	Age	Sex	Total # Animals	Distance (m)	MM Bearing	MM Heading	Optics	Sighting Cue	Behavior 1	Behavior 2	Pace	Reaction	Notes
N0001	07-29-20	16:27	VIB	16:42	SS	U	U	1	600	325	S	Eye	Head	Look	Travel	SL	None	Slowly swimming towards a net, popping up multiple times and changing directions, but staying near a boat that is fishing
N0002	07-29-20	17:05	SLING	17:05	SS	U	U	1	1000	310	NW	Eye	Head	Look	Dive	U	None	
N0003	08-01-20	11:50	No Work	11:51	SS	U	U	1	800	320	N	Eye	Head	Look	Sink	SL	None	
N0004	08-03-20	8:05	VIB/VIBR	8:30	US	U	U	1	350	305	N	Eye	Head	Look	Sink	SL	None	Seal seen on multiple surfacings, too far to get ID. VIBR occurring from 8:23 to 8:24 and VIB from 8:30 to 8:31.
N0005	08-05-20	12:23	No Work	12:26	SS	U	U	1	600	283	NW	Eye	Head	Look	Sink	SL	None	
N0006	08-05-20	16:57	SLING	16:57	US	U	U	1	500	295	NE	Eye	Head	Look	Sink	SL	None	SS or RS
N0007	08-05-20	17:10	VIB	17:10	US	U	U	1	275	275	SE	Eye	Head	Look	Sink	SL	None	
N0008	08-07-20	13:24	Other	13:25	SS	U	U	1	600	283	E	Eye	Head	Look	Sink	SL	None	
N0009	08-11-20	10:51	No Work	10:51	US	U	U	1	500	300	S	Eye	Head	Look	Sink	SL	None	Too far to ID
N0010	08-12-20	10:52	STAB	10:52	US	U	U	1	700	325	U	Eye	Head	Look	Dive	MO	None	Too far to ID
N0011	08-12-20	11:53	PRE	11:53	SS	U	U	1	300	290	E	Eye	Head	Look	Sink	SL	None	

N0012	08-13-20	9:48	STAB	9:48	US	Adult	U	1	200	280	U	Eye	Head	Look	Sink	SL	None	SS or RS
N0013	08-14-20	7:53	SLING	7:59	US	U	U	1	600	295	Variable	Eye	Head	Look	Mill	SL	None	SS or RS, resighted multiple times
N0014	08-14-20	9:25	VIB/VIBR	9:52	US	U	U	1	500	330	U	Eye	Head	Look	Sink	SL	None	SS or RS, resighted multiple times. VIBR/VIB occurring from 9:39 to 9:46 and VIB occurring from 9:49 to 9:52.
N0015	08-14-20	10:52	SLING	10:52	US	U	U	1	500	235	U	Eye	Head	Look	Sink	SL	None	SS or RS
N0016	08-14-20	12:02	No Work	12:02	US	U	U	1	750	248	W	Eye	Head	Look	Sink	SL	None	
N0017	08-19-20	9:03	VIB	9:04	US	U	U	1	700	325	S	Eye	Head	Travel	Dive	MO	None	Too far and too quick to get ID. VIB occurring from 9:04 to 9:08.
N0018	08-21-20	10:36	SLING	10:40	US	U	U	1	200	230	N	Eye	Head	Look	Sink	SL	None	SS or RS
N0019	08-21-20	10:44	SLING	10:48	US	U	U	1	400	285	N	Eye	Head	Swim	Mill	SL	None	Too far to get ID, but resighted in the area
N0020	08-21-20	10:46	SLING	11:16	US	U	U	1	600	255	S	Eye	Head	Swim	Mill	SL	None	Too far to get ID, but resighted in the area
N0021	08-21-20	10:54	SLING	11:27	US	U	U	1	300	330	U	Eye	Head	Look	Sink	SL	None	Too far to get ID, but resighted in the area
N0022	08-21-20	10:56	SLING	10:56	US	U	U	1	300	310	N	Eye	Head	Swim	Sink	SL	None	Too far and too quick to get ID.
N0023	08-22-20	13:33	STAB	13:33	SS	U	U	1	550	305	S	Eye	Head	Look	Sink	SL	None	
N0024	09-14-20	19:20	VIB	19:40	SS	Adult	U	1	55	325	S	Eye	Head	Look	Sink	SL	None	At 19:40 200m moving south, still close to the beach
N0025	09-15-20	18:02	VIB/VIBR	18:40	US	U	U	3	150	340	S	Eye	Head	Look	Sink	SL	None	looking north, flowing with current south 18:35 2 seals, 18:40 1 seal.
N0026	09-15-20	19:03	SLING	19:03	US	U	U	1	85	345	N	Eye	Head	Look	Swim	SL	None	looking north, swimming north
N0027	09-17-20	17:15	Other	17:18	SS	Adult	U	1	100	320	SE	Eye	Head	Look	Swim	SL	None	swimming close to shore
N0028	09-17-20	18:02	SLING	18:02	SS	Adult	U	1	70	330	se	Eye	Head	Look	Sink	SL	None	Looking north, flowing with current south.
N0029	09-18-20	13:46	Other	13:47	SS	U	U	1	550	20	S	Eye	Head	Look	Sink	SL	None	VIB off 13:29
N0030	09-18-20	16:46	Other	16:46	SS	Adult	U	1	25	345	S	Eye	Head	Swim	Dive	SL	None	
N0031	09-18-20	17:11	Other	17:11	US	U	U	1	100	325	S	Eye	Head	Swim	Dive	SL	None	
N0032	09-18-20	18:25	SLING	18:25	US	U	U	2	650	283	S	Eye	Head	Look	Sink	SL	None	
N0033	09-19-20	12:24	SLING	12:25	SS	Adult	U	1	50	320	SW	Eye	Head	Look	Swim	SL	None	

Appendix B. Construction Effort Logs

CONSTRUCTION LOG ABBREVIATIONS

Selected abbreviations used by observers are included here, with a full list of field descriptions included in the digital logs. Construction logs from the Center observer station are below. Full observations and additional fields from all three sites are included in the digital logs.

Activity	
Preconstruction	Pre-season monitoring for baseline data
PRE	Pre-construction watch begins 30 minutes prior to the start of operations
POST	Post-construction watch continues for 30 minutes after operations have ceased
VIB	Vibratory pile installation. (Note how many and what type of piles were driven and by what method).
VIBR	Vibratory pile removal. (Note how many and what type of piles were removed and by what method).
VIB/VIBR	Periods of intermittent vibratory installation and removal.
STAB	Stabbing - positioning of the piles via a crane
PULL	Deadpull - removal of piles via a crane
SLING	Slinging - over-water slinging of construction materials
DELAY	Operations are delayed because a marine mammal has entered the shutdown zone while the PSO was clearing the area
No Work	Continuous monitoring is occurring but no operations are underway
Wx Down	Operations are ceased due to weather - shut down zone is not visible
SHUT	Operations have been shut down for a marine mammal sighting (authorized species in/near the Level A zone or unauthorized species in/near the Level B zone)
Other	Activity not Otherwise captured by the above categories. Please describe in the Notes.
Postconstruction	Post-season monitoring for baseline data

Sea State (Beaufort)	
0	Sea surface is calm and smooth like a mirror
1	Scaly ripples, no foam crests
2	Small wavelets, glassy crests, no breaking waves, cats paw
3	Large wavelets, crests begin to break, scattered whitecaps
4	Small waves 1-4 ft becoming longer, numerous whitecaps
5	Moderate waves 4-8 ft taking longer form, many whitecaps, chance of spray
6	Larger waves 8-13 ft, white foam crests everywhere, probably spray
7	Sea heaps up, waves 13-19 ft, white foam streaks off breakers. Sightings are rare in a Bf ≥7 and monitoring is typically suspended.

Wave Height	
None	0 - 1 ft
Light	1 - 2 ft
Moderate	2 - 3 ft

Wave Height	
Heavy	> 3 ft
Precip	
NO	None - No precipitation present
DR	Drizzle - Very fine drops of misty rain falling intermittently
LTRN	Light Rain - Small drops of rain falling steadily and possibly obscuring visibility
HVYRN	Heavy Rain - Larger drops of rain falling steadily and obscuring visibility
LFOG	Light Fog - Patchy, intermittent, gauzy fog
HFOG	Heavy Fog - Dense fog obscuring visibility
HAIL	Small balls or lumps of ice and compact snow
SNOW	Ice crystals falling in flakes
MULT	Multiple - Enter when more than one type of precipitation is occurring and describe in the "Notes". For example, light rain and light fog are present.

Sightability	
Sightability is an overall assessment of how the environmental conditions as a whole impact your ability to detect a marine mammal.	
Excel	Excellent - Ideal conditions for detecting a marine mammal (e.g. low sea state, 10 km visibility, daylight, no glare, no precipitation).
Good	Favorable conditions for detecting a marine mammal (e.g. sea state 1-3, 7-10 km visibility, daylight, minimal glare, no/limited precipitation).
Fair	Marginal conditions for detecting a marine mammal (e.g. sea state 3-4, visibility ≤ 5km, daylight/twilight, moderate glare, precipitation present).
Poor	Conditions make it unlikely to detect a marine mammal (e.g. sea state ≥ 5, visibility ≤ 3km, twilight/dark, severe glare, heavy precipitation).

CENTER OBSERVER CONSTRUCTION LOGS

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0011	07/08	13:17	Start	Preconstruction	1	None	10	0	90	NO	Good	Start afternoon shift at Center location
C0012	07/08	13:38	Watch	Preconstruction	2	Light	10	0	100	NO	Good	Cloud coverage increased
C0013	07/08	14:00	Watch	Preconstruction	2	Light	10	0	100	NO	Good	
C0014	07/08	14:30	Watch	Preconstruction	2	Light	10	0	100	NO	Good	Conditions are the same
C0015	07/08	15:00	Watch	Preconstruction	2	Light	10	0	100	NO	Good	wind picking up
C0016	07/08	15:30	Watch	Preconstruction	2	Light	10	0	90	NO	Good	
C0017	07/08	16:06	Watch	Preconstruction	2	Light	10	0	80	NO	Good	less cloud coverage
C0018	07/08	16:30	Watch	Preconstruction	2	Light	10	0	80	NO	Good	
C0019	07/08	17:00	End	Preconstruction	2	Light	10	0	80	NO	Good	End of observations
C0020	07/09	8:03	Start	Preconstruction	4	Moderate	0.3	0	100	HFOG	Poor	Start of afternoon shift at Center location
C0021	07/09	8:30	Watch	Preconstruction	4	Moderate	0.15	0	100	HFOG	Poor	fog moving in closer
C0022	07/09	9:00	Watch	Preconstruction	4	Moderate	0.1	0	100	HFOG	Poor	fog persists, wind increasing
C0023	07/09	9:09	Watch	Preconstruction	4	Moderate	6	0	100	LFOG	Fair	fog has dispersed visibility increased
C0024	07/09	9:30	Watch	Preconstruction	4	Moderate	8	30	85	NO	Fair	sky clearing up, sun breaking through cloud coverage
C0025	07/09	10:00	Watch	Preconstruction	4	Moderate	9	50	35	NO	Fair	fair sightability due to sea state
C0026	07/09	10:36	Watch	Preconstruction	5	Moderate	9	60	30	NO	Fair	sea state increased
C0027	07/09	11:00	Watch	Preconstruction	5	Moderate	9	60	20	NO	Fair	
C0028	07/09	11:30	Watch	Preconstruction	5	Moderate	9	60	20	NO	Fair	dead seal C001 detection (details in sighting database)
C0029	07/09	12:03	Break	Preconstruction	5	Moderate	10	60	20	NO	Fair	End of observations
C0030	07/09	13:53	Start	Preconstruction	5	Moderate	10	0	0	NO	Poor	Start afternoon shift
C0031	07/09	14:30	Watch	Preconstruction	6	Moderate	10	0	0	NO	Poor	Wind picking up
C0032	07/09	14:59	Watch	Preconstruction	6	Moderate	10	0	0	NO	Poor	
C0033	07/09	15:33	Watch	Preconstruction	6	Moderate	10	0	0	NO	Poor	
C0034	07/09	15:51	Watch	Preconstruction	6	Moderate	10	0	30	NO	Poor	
C0035	07/09	15:53	Watch	Preconstruction	6	Heavy	2	0	60	LFOG	Poor	Fog bank rolling back in
C0036	07/09	16:24	Watch	Preconstruction	6	Heavy	1	0	40	LFOG	Poor	
C0037	07/09	16:36	Watch	Preconstruction	6	Heavy	0.1	0	100	HFOG	Poor	Severely reduced vis
C0038	07/09	16:57	Watch	Preconstruction	5	Moderate	2	0	90	LFOG	Poor	
C0039	07/09	17:16	Watch	Preconstruction	5	Moderate	0.5	0	100	HFOG	Poor	
C0040	07/09	17:32	End	Preconstruction	6	Heavy	0.2	0	100	HFOG	Poor	Off Watch, End of baseline observations for the day
C0041	07/10	8:33	Start	Preconstruction	2	None	0.5	0	100	HFOG	Poor	Start baseline AM observations at Center location. First day of commercial fishing season.
C0042	07/10	9:05	Watch	Preconstruction	2	None	1	0	100	HFOG	Poor	
C0043	07/10	9:30	Watch	Preconstruction	2	None	0.5	0	100	HFOG	Poor	Fog rolling in and out

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0044	07/10	10:01	Watch	Preconstruction	2	None	1	0	100	HFOG	Poor	
C0045	07/10	10:34	Watch	Preconstruction	2	None	1	0	100	HFOG	Poor	Fog starting to burn off
C0046	07/10	11:02	Watch	Preconstruction	2	None	2	0	100	HFOG	Poor	
C0047	07/10	11:34	Watch	Preconstruction	2	None	3	0	100	HFOG	Poor	
C0048	07/10	11:52	Watch	Preconstruction	2	None	6	0	60	LFOG	Fair	
C0049	07/10	12:16	Watch	Preconstruction	2	None	8	0	60	LFOG	Good	Fog gone, conditions improved.
C0050	07/10	12:33	Break	Preconstruction	2	None	8	0	70	NO	Good	End of AM watch, lunch break
C0051	07/10	13:30	Start	Preconstruction	2	Light	10	60	70	NO	Excel	Start of observations at Center location
C0052	07/10	14:00	Watch	Preconstruction	2	Light	10	60	50	NO	Excel	Ideal conditions, very clear
C0053	07/10	14:30	Watch	Preconstruction	3	Light	10	60	50	NO	Excel	sea state increased
C0054	07/10	15:00	Watch	Preconstruction	3	Light	10	60	50	NO	Excel	few white caps
C0055	07/10	15:30	Watch	Preconstruction	3	Light	10	40	50	NO	Excel	seal pup carcass found approx. 600m NE of center PSO location
C0056	07/10	16:00	Watch	Preconstruction	3	Light	10	5	85	NO	Excel	CC increased
C0057	07/10	16:30	Watch	Preconstruction	3	Light	10	5	80	NO	Excel	
C0058	07/10	17:00	Watch	Preconstruction	3	Light	10	20	60	NO	Excel	CC varies
C0059	07/10	17:30	End	Preconstruction	3	Light	10	40	60	NO	Excel	End of observations
C0060	07/11	8:18	Start	Preconstruction	2	Light	10	65	5	NO	Excel	Start of observations
C0061	07/11	8:50	Watch	Preconstruction	2	Light	10	70	5	NO	Excel	glare from NE
C0062	07/11	9:30	Watch	Preconstruction	2	Light	10	80	5	NO	Excel	clear skies, great vis
C0063	07/11	10:00	Watch	Preconstruction	2	Light	10	80	15	NO	Excel	clouds coming from NE
C0064	07/11	10:30	Watch	Preconstruction	2	Light	10	5	40	NO	Excel	Clouds increasing, C003 @ 10:20
C0065	07/11	11:00	Watch	Preconstruction	1	Light	10	5	60	NO	Excel	calm sea state slight ripple
C0066	07/11	11:30	Watch	Preconstruction	1	Light	10	0	70	NO	Excel	cc continues to increase
C0067	07/11	12:00	Watch	Preconstruction	1	Light	10	0	80	NO	Excel	calm state
C0068	07/11	12:20	Break	Preconstruction	1	Light	10	10	70	NO	Excel	End of morning observations
C0069	07/11	13:30	Start	Preconstruction	1	None	10	0	15	NO	Excel	On Watch; start PM baseline observations. Barge partially restricting view to the N.
C0070	07/11	13:59	Watch	Preconstruction	2	None	10	0	10	NO	Excel	
C0071	07/11	14:29	Watch	Preconstruction	2	None	10	0	10	NO	Excel	
C0072	07/11	14:45	Watch	Preconstruction	1	None	10	0	5	NO	Excel	Sea state improved
C0073	07/11	15:15	Watch	Preconstruction	2	Light	10	0	25	NO	Excel	
C0074	07/11	15:45	Watch	Preconstruction	3	Light	10	0	20	NO	Good	Wind picking up, waves building
C0075	07/11	15:57	Watch	Preconstruction	4	Moderate	10	0	20	NO	Fair	
C0076	07/11	16:18	Watch	Preconstruction	5	Moderate	10	0	30	NO	Poor	

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0077	07/11	16:31	Watch	Preconstruction	4	Moderate	10	0	30	NO	Fair	
C0078	07/11	16:43	Watch	Preconstruction	5	Moderate	10	10	25	NO	Poor	
C0079	07/11	17:13	Watch	Preconstruction	5	Moderate	10	10	10	NO	Poor	
C0080	07/11	17:30	End	Preconstruction	5	Moderate	10	10	10	NO	Poor	Off watch; end of PM baseline observations
C0081	07/12	8:28	Start	Preconstruction	4	Moderate	8	0	100	NO	Fair	On watch; start of AM baseline observations
C0082	07/12	8:56	Watch	Preconstruction	5	Moderate	8	0	100	NO	Poor	
C0083	07/12	9:30	Watch	Preconstruction	5	Moderate	8	0	90	NO	Poor	Wind increasing, waves building
C0084	07/12	9:59	Watch	Preconstruction	5	Moderate	8	0	90	NO	Poor	Barge came into dock, restricting view to the SW
C0085	07/12	10:26	Watch	Preconstruction	5	Moderate	8	0	95	NO	Poor	
C0086	07/12	10:55	Watch	Preconstruction	5	Moderate	8	0	95	NO	Poor	Wind coming down slightly
C0087	07/12	11:26	Watch	Preconstruction	5	Heavy	8	0	95	NO	Poor	
C0088	07/12	12:00	Watch	Preconstruction	5	Heavy	8	0	80	NO	Poor	
C0089	07/12	12:16	Watch	Preconstruction	6	Heavy	8	0	80	NO	Poor	
C0090	07/12	12:28	Break	Preconstruction	6	Heavy	8	0	90	NO	Poor	Off watch; end of AM observations
C0091	07/12	13:30	Start	Preconstruction	6	Moderate	8	10	90	NO	Poor	Start of afternoon observations
C0092	07/12	14:00	Watch	Preconstruction	6	Moderate	8	10	90	NO	Poor	
C0093	07/12	14:30	Watch	Preconstruction	6	Moderate	8	5	95	NO	Poor	
C0094	07/12	15:00	Watch	Preconstruction	6	Moderate	8	0	95	NO	Fair	
C0095	07/12	15:30	Watch	Preconstruction	5	Moderate	8	0	95	NO	Fair	
C0096	07/12	16:00	Watch	Preconstruction	5	Moderate	8	0	95	NO	Fair	
C0097	07/12	16:30	Watch	Preconstruction	5	Moderate	8	0	100	NO	Fair	
C0098	07/12	17:00	Watch	Preconstruction	5	Moderate	8	10	100	NO	Fair	
C0099	07/12	17:30	End	Preconstruction	5	Moderate	8	20	80	NO	Fair	End of observations for the day
C0100	07/13	8:30	Start	Preconstruction	3	Light	10	0	80	NO	Good	Start of observations
C0101	07/13	9:00	Watch	Preconstruction	3	Light	10	30	80	NO	Good	
C0102	07/13	9:30	Watch	Preconstruction	3	Light	10	20	90	NO	Good	
C0103	07/13	10:00	Watch	Preconstruction	3	Light	10	20	80	NO	Good	
C0104	07/13	10:30	Watch	Preconstruction	3	Light	10	20	75	NO	Good	C005 @ 10:20
C0105	07/13	11:00	Watch	Preconstruction	3	Light	10	50	75	NO	Good	Low 3 Beaufort, almost 2
C0106	07/13	11:30	Watch	Preconstruction	2	Light	10	40	75	NO	Excel	
C0107	07/13	12:00	Watch	Preconstruction	2	Light	10	10	80	NO	Excel	
C0108	07/13	12:30	Break	Preconstruction	2	Light	10	60	80	NO	Excel	
C0109	07/13	13:31	Start	Preconstruction	2	Light	9	0	100	NO	Good	On Watch; start pm baseline observations

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0110	07/13	14:00	Watch	Preconstruction	2	None	9	0	100	NO	Excel	Some haze on the horizon
C0111	07/13	14:30	Watch	Preconstruction	2	None	9	0	100	NO	Excel	
C0112	07/13	14:58	Watch	Preconstruction	3	Light	9	0	100	NO	Good	Wind picking up
C0113	07/13	15:27	Watch	Preconstruction	3	Light	9	0	100	NO	Good	
C0114	07/13	16:00	Watch	Preconstruction	2	None	9	0	100	NO	Excel	Wind decreasing
C0115	07/13	16:29	Watch	Preconstruction	2	None	9	0	100	NO	Excel	
C0116	07/13	16:58	Watch	Preconstruction	2	None	9	0	100	NO	Excel	
C0117	07/13	17:00	End	Preconstruction	1	None	9	0	100	NO	Excel	Off watch; end of observations for the day
C0118	07/14	7:56	Start	Preconstruction	0	None	9	20	90	NO	Excel	On watch; begin am baseline observations for day
C0119	07/14	8:27	Watch	Preconstruction	1	None	9	10	95	NO	Excel	
C0120	07/14	9:00	Watch	Preconstruction	0	None	9	20	95	NO	Excel	
C0121	07/14	9:29	Watch	Preconstruction	0	None	9	20	95	NO	Excel	
C0122	07/14	10:01	Watch	Preconstruction	0	None	10	10	95	NO	Excel	
C0123	07/14	10:30	Watch	Preconstruction	0	None	10	0	95	NO	Excel	
C0124	07/14	11:00	Watch	Preconstruction	0	None	10	0	95	NO	Excel	
C0125	07/14	11:31	Watch	Preconstruction	0	None	10	0	95	NO	Excel	
C0126	07/14	11:59	Break	Preconstruction	0	None	10	0	100	NO	Excel	Off watch; end of AM observations
C0127	07/14	14:12	Start	Preconstruction	2	Light	10	5	90	NO	Excel	Start of PM observations. Later start due to picking up rest of PSO team flying in today.
C0128	07/14	14:30	Watch	Preconstruction	2	Light	10	20	85	NO	Excel	
C0129	07/14	15:00	Watch	Preconstruction	2	Light	10	0	80	NO	Excel	
C0130	07/14	15:30	Watch	Preconstruction	2	Light	10	0	80	NO	Excel	
C0131	07/14	16:00	Watch	Preconstruction	2	Light	10	0	90	NO	Excel	
C0132	07/14	16:30	Watch	Preconstruction	2	Light	10	0	75	NO	Excel	
C0133	07/14	17:00	End	Preconstruction	2	Light	10	10	75	NO	Excel	Going off watch early to have meeting with construction crew
C0134	07/15	11:10	Start	Preconstruction	2	Light	10	40	60	NO	Excel	Started observations later than usual due to scouting trip of North Location by ATV
C0135	07/15	11:30	Watch	Preconstruction	2	Light	10	10	75	NO	Excel	CC increasing
C0136	07/15	12:00	End	Preconstruction	2	Light	10	5	90	NO	Excel	end of observations.
C0137	07/16	8:30	Start	Preconstruction	2	Light	0.6	0	100	HFOG	Poor	Start of observations
C0138	07/16	9:00	Watch	Preconstruction	2	Light	0.6	0	100	HFOG	Poor	
C0139	07/16	9:30	Watch	Preconstruction	2	Light	0.6	0	100	HFOG	Poor	
C0140	07/16	10:00	Watch	Preconstruction	2	Light	0.2	0	100	HFOG	Poor	fog is moving in and out
C0141	07/16	10:30	Watch	Preconstruction	2	Light	0.5	5	100	HFOG	Poor	sun glare through cloud coverage
C0142	07/16	11:00	Watch	Preconstruction	2	Light	0.5	0	100	HFOG	Poor	fog still persists

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0143	07/16	11:30	Watch	Preconstruction	3	Light	2	5	100	HFOG	Poor	Visibility improved
C0144	07/16	12:00	Watch	Preconstruction	3	Light	0.5	0	100	HFOG	Poor	
C0145	07/16	12:30	Break	Preconstruction	3	Light	0.5	0	100	HFOG	Poor	End of morning observations
C0146	07/16	13:30	Start	Preconstruction	3	Light	1	0	100	HFOG	Poor	Start of observations after lunch break
C0147	07/16	14:00	Watch	Preconstruction	3	Light	0.5	0	100	HFOG	Poor	
C0148	07/16	14:30	Watch	Preconstruction	3	Light	0.3	5	100	HFOG	Poor	fog continues to move in and out, sun glare coming through clouds
C0149	07/16	15:00	Watch	Preconstruction	3	Light	0.1	0	100	HFOG	Poor	
C0150	07/16	15:30	Watch	Preconstruction	4	Moderate	0.1	0	100	HFOG	Poor	sea state increased
C0151	07/16	16:00	Watch	Preconstruction	4	Moderate	0.2	0	100	HFOG	Poor	
C0152	07/16	16:30	Watch	Preconstruction	4	Moderate	0.2	0	100	HFOG	Poor	
C0153	07/16	17:00	Watch	Preconstruction	4	Moderate	0.2	0	100	HFOG	Poor	
C0154	07/16	17:30	End	Preconstruction	4	Moderate	0.5	0	100	HFOG	Poor	End of observations
C0155	07/17	8:35	Start	Preconstruction	2	None	7	10	85	NO	Good	On watch; Start AM baseline observations. Low clouds/fog across the channel
C0156	07/17	9:05	Watch	Preconstruction	2	None	7	15	65	NO	Good	Barge restricting view to the SW
C0157	07/17	9:34	Watch	Preconstruction	2	None	8	15	90	NO	Good	
C0158	07/17	10:06	Watch	Preconstruction	2	None	9	0	95	NO	Excel	
C0159	07/17	10:35	Watch	Preconstruction	2	None	8	0	100	NO	Good	
C0160	07/17	11:04	Watch	Preconstruction	2	None	9	0	100	NO	Good	
C0161	07/17	11:35	Watch	Preconstruction	2	None	9	0	100	NO	Good	
C0162	07/17	12:01	Watch	Preconstruction	2	None	9	0	100	NO	Good	
C0163	07/17	12:35	Break	Preconstruction	3	Light	9	0	100	NO	Good	Off Watch; end AM observations
C0164	07/17	13:32	Start	Preconstruction	3	Light	9	0	100	NO	Good	On Watch; start PM baseline observations
C0165	07/17	14:01	Watch	Preconstruction	3	Light	9	0	100	NO	Good	
C0166	07/17	14:30	Watch	Preconstruction	3	Light	9	0	100	NO	Good	
C0167	07/17	14:45	Watch	Preconstruction	4	Moderate	9	0	100	NO	Fair	Wind increasing, waves building
C0173	07/17	15:11	Watch	Preconstruction	3	Light	8	0	100	NO	Good	
C0168	07/17	15:15	Watch	Preconstruction	4	Moderate	9	0	100	NO	Fair	
C0169	07/17	15:39	Watch	Preconstruction	3	Moderate	8	0	100	NO	Fair	
C0170	07/17	16:00	Watch	Preconstruction	4	Moderate	8	0	100	NO	Fair	
C0171	07/17	16:12	Watch	Preconstruction	3	Moderate	8	0	100	NO	Fair	
C0172	07/17	16:41	Watch	Preconstruction	3	Light	8	0	100	NO	Good	Wind coming down
C0174	07/17	17:31	End	Preconstruction	3	Light	8	0	100	NO	Good	Off watch; End observations for the day
C0175	07/18	8:30	Start	Preconstruction	1	Light	8	0	100	LFOG	Good	Start of AM observations

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0176	07/18	9:00	Watch	Preconstruction	1	Light	9	0	100	LFOG	Good	
C0177	07/18	9:30	Watch	Preconstruction	1	Light	9	0	100	LTRN	Good	light drizzle
C0178	07/18	10:00	Watch	Preconstruction	1	Light	9	0	100	LFOG	Good	
C0179	07/18	10:30	Watch	Preconstruction	0	Light	9	0	100	LFOG	Good	
C0180	07/18	11:00	Watch	Preconstruction	1	Light	9	0	100	LFOG	Good	
C0181	07/18	11:30	Watch	Preconstruction	1	Light	9	0	100	LFOG	Good	
C0182	07/18	12:00	Watch	Preconstruction	1	Light	10	0	100	LFOG	Good	
C0183	07/18	12:30	Break	Preconstruction	1	Light	10	0	100	LFOG	Good	
C0184	07/18	13:35	Start	Preconstruction	1	None	10	0	100	NO	Excel	On watch, PM baseline observations
C0185	07/18	14:06	Watch	Preconstruction	1	None	10	0	60	NO	Excel	Fog clearing up
C0186	07/18	14:49	Watch	Preconstruction	1	None	10	0	40	NO	Excel	
C0187	07/18	15:03	Watch	Preconstruction	2	None	10	0	30	NO	Excel	
C0188	07/18	15:31	Watch	Preconstruction	2	Light	10	5	10	NO	Excel	
C0189	07/18	16:00	Watch	Preconstruction	2	None	10	5	5	NO	Excel	
C0190	07/18	16:31	Watch	Preconstruction	2	None	10	5	5	NO	Excel	
C0191	07/18	17:01	Watch	Preconstruction	2	Light	10	5	5	NO	Excel	
C0192	07/18	17:35	End	Preconstruction	2	Light	10	5	5	NO	Excel	Off watch; end of observations for the day
C0193	07	8:00	Start	Preconstruction	1	None	10	0	10	NO	Excel	On watch, begin AM baseline observations
C0194	07	8:31	Watch	Preconstruction	1	None	10	0	40	NO	Excel	
C0195	07	9:01	Watch	Preconstruction	1	None	10	10	50	NO	Excel	
C0196	07	9:32	Watch	Preconstruction	2	None	10	15	50	NO	Excel	
C0197	07	10:01	Watch	Preconstruction	2	None	10	15	55	NO	Excel	
C0198	07	10:32	Watch	Preconstruction	2	Light	10	0	40	NO	Excel	
C0199	07	11:02	Watch	Preconstruction	2	Light	10	15	25	NO	Excel	
C0200	07	11:31	Watch	Preconstruction	2	None	10	15	100	NO	Excel	
C0201	07	12:00	Break	Preconstruction	1	None	10	10	0	NO	Excel	Off watch, end AM observations
C0202	07	13:57	Start	Preconstruction	4	Moderate	10	10	0	NO	Good	On Watch post Crowley/Swalling safety meeting
C0203	07	14:28	Watch	Preconstruction	5	Moderate	10	10	0	NO	Fair	
C0204	07	14:58	Watch	Preconstruction	5	Moderate	10	15	0	NO	Poor	Wind and waves increasing
C0205	07	15:26	Watch	Preconstruction	5	Moderate	10	15	0	NO	Poor	
C0206	07	16:00	Watch	Preconstruction	5	Moderate	10	20	5	NO	Poor	Swalling team installing silt curtain
C0207	07	16:31	Watch	Preconstruction	5	Moderate	10	20	5	NO	Poor	
C0208	07	17:00	End	Preconstruction	5	Moderate	10	20	5	NO	Poor	Off watch, end baseline observations for the day

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0209	07/21	7:00	Start	PRE	1	None	10	20	5	NO	Excel	KMS on watch for am clear
C0210	07/21	7:31	Watch	PRE	1	None	10	15	0	NO	Excel	
C0211	07/21	7:45	Watch	PRE	1	None	10	15	0	NO	Excel	ALL CLEAR from all 3 stations
C0212	07/21	8:01	Watch	No Work	1	None	10	10	0	NO	Excel	operations delayed due to issues with silt curtain
C0213	07/21	8:32	Watch	No Work	1	None	10	5	0	NO	Excel	
C0214	07/21	9:01	Watch	No Work	1	None	10	0	0	NO	Excel	Barge went out to retrieve silt curtain
C0215	07/21	9:30	Watch	No Work	1	None	10	0	0	NO	Excel	Silt curtain being unloaded onto dock
C0216	07/21	10:00	Watch	No Work	1	None	10	5	0	NO	Excel	
C0217	07/21	10:29	Watch	No Work	2	None	10	5	0	NO	Excel	KMS OFF, FT ON
C0218	07/21	11:00	Watch	No Work	2	None	10	50	5	NO	Excel	
C0219	07/21	11:30	Watch	No Work	2	None	10	60	5	NO	Excel	Glare from behind
C0220	07/21	12:00	Watch	No Work	2	None	10	60	5	NO	Excel	
C0221	07/21	12:30	Watch	No Work	2	Light	10	60	5	NO	Excel	working on silt curtain on dock
C0222	07/21	13:00	Watch	No Work	2	Light	10	60	5	NO	Excel	
C0223	07/21	13:30	Watch	No Work	2	Light	10	60	5	NO	Excel	
C0224	07/21	14:00	Watch	No Work	3	Light	10	60	5	NO	Excel	
C0225	07/21	14:30	Watch	PRE	3	Moderate	10	60	5	NO	Good	Pre-work clear before pile driving
C0226	07/21	15:00	Watch	PRE	3	Moderate	10	5	5	NO	Good	FT OFF, KMS ON
C0227	07/21	15:07	Watch	VIB	3	Moderate	10	5	5	NO	Good	Started installing first anchor piling to hold S edge of silt curtain in place
C0228	07/21	15:12	Watch	No Work	3	Moderate	10	5	5	NO	Fair	Pile complete
C0229	07/21	15:43	Watch	No Work	4	Moderate	10	5	5	NO	Fair	High 4
C0230	07/21	16:09	Watch	VIB	5	Moderate	10	10	5	NO	Fair	Started installation of anchor pile for silt curtain at N corner of cell 12
C0231	07/21	16:11	Watch	No Work	5	Moderate	10	10	5	NO	Fair	Pile complete
C0232	07/21	16:36	Watch	VIB	5	Moderate	10	15	0	NO	Poor	Starting install of anchor piling, middle pile of silt curtain
C0233	07/21	16:38	Watch	No Work	5	Moderate	10	15	0	NO	Poor	Pile Complete
C0234	07/21	17:00	Watch	No Work	5	Moderate	10	5	0	NO	Poor	KMS OFF, FT ON
C0235	07/21	17:30	Watch	No Work	5	Moderate	10	10	5	NO	Poor	
C0236	07/21	18:00	Watch	No Work	5	Moderate	10	10	5	NO	Poor	
C0237	07/21	18:10	End	No Work	5	Moderate	10	10	5	NO	Poor	FT off watch, end of observations for day. Construction crew ending early.
C0238	07/22	6:59	Start	PRE	3	Light	9	25	10	NO	Good	Pre-work clear
C0239	07/22	7:30	Watch	PRE	3	Light	9	25	25	NO	Good	Pile driving delayed, crew installing silt curtain
C0240	07/22	7:38	Watch	No Work	3	Moderate	9	10	70	NO	Good	
C0241	07/22	7:58	Watch	No Work	3	Moderate	9	30	50	NO	Good	

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0242	07/22	8:23	Watch	No Work	3	Moderate	9	0	95	NO	Good	
C0243	07/22	8:51	Watch	No Work	3	Moderate	9	0	100	NO	Fair	Wind is picking up
C0244	07/22	9:17	Watch	PRE	3	Moderate	9	0	100	NO	Fair	Crew prepping for pile driving and template installation
C0245	07/22	9:47	Watch	PRE	3	Moderate	9	0	100	NO	Fair	ALL CLEAR given to crew
C0246	07/22	10:20	Watch	No Work	2	Light	9	0	100	NO	Good	High 2
C0247	07/22	10:44	Watch	No Work	3	Moderate	9	0	100	NO	Fair	
C0248	07/22	11:00	Watch	No Work	4	Moderate	10	0	100	NO	Fair	KMS off, FT on
C0249	07/22	11:30	Watch	No Work	4	Moderate	10	0	100	NO	Fair	Contraction team on lunch break
C0250	07/22	12:00	Watch	No Work	4	Moderate	10	0	100	NO	Fair	
C0251	07/22	12:30	Watch	No Work	4	Moderate	10	0	90	NO	Fair	Swalling installing time lapse camera for work site
C0252	07/22	13:00	Watch	PRE	5	Moderate	9	0	80	NO	Poor	Moving pile into place from dock into the water, no pile driving yet
C0253	07/22	13:30	Watch	PRE	5	Moderate	9	0	80	NO	Poor	wave height is approx. 1.5 ft
C0254	07/22	14:00	Watch	PRE	5	Moderate	9	0	80	NO	Poor	ALL CLEAR. crew preparing to install template and pile drive.
C0255	07/22	14:30	Watch	VIB	5	Moderate	9	0	80	NO	Poor	Driving H-pile in cell 7
C0256	07/22	14:35	Watch	No Work	5	Moderate	9	0	80	NO	Poor	Pile complete. This is an estimated, likely overestimated, time based on previous pile driving efforts.
C0257	07/22	14:48	Watch	VIB	5	Moderate	9	0	85	NO	Poor	driving second H-pile in cell 7
C0258	07/22	14:53	Watch	No Work	5	Moderate	9	0	85	NO	Poor	Pile complete. This is an estimated, likely overestimated, time based on previous pile driving efforts.
C0259	07/22	15:00	Watch	VIB	5	Moderate	9	0	90	NO	Poor	FT off KMS ON; Starting H-pile three
C0260	07/22	15:05	Watch	No Work	5	Moderate	9	0	90	NO	Poor	Pile complete. This is an estimated, likely overestimated, time based on previous pile driving efforts.
C0261	07/22	15:16	Watch	VIB	4	Moderate	9	5	80	NO	Fair	Starting H-pile number 4
C0262	07/22	15:21	Watch	No Work	4	Moderate	9	5	80	NO	Fair	Pile complete. This is an estimated, likely overestimated, time based on previous pile driving efforts.
C0263	07/22	15:27	Watch	No Work	4	Moderate	9	5	75	NO	Fair	Crew breaking from pile driving while they construct template base.
C0264	07/22	15:40	Watch	SLING	5	Moderate	9	5	60	NO	Poor	Swalling team in crane basket working on pile
C0265	07/22	16:13	Watch	SLING	4	Moderate	9	0	85	NO	Fair	
C0266	07/22	16:32	Watch	SLING	4	Moderate	9	0	90	NO	Fair	Swalling team begin welding template piles
C0267	07/22	17:03	Watch	SLING	3	Moderate	9	0	85	NO	Fair	
C0268	07/22	17:31	Watch	SLING	3	Moderate	9	0	100	NO	Fair	Swalling placing & welding beams to support template
C0269	07/22	18:00	Watch	SLING	4	Moderate	9	0	100	NO	Fair	KMS OFF, FT ON
C0270	07/22	18:30	Watch	SLING	4	Moderate	9	0	100	NO	Fair	welding template pile
C0271	07/22	19:00	Watch	POST	4	Moderate	9	0	100	NO	Fair	
C0272	07/22	19:30	End	POST	4	Moderate	9	0	100	NO	Fair	FT off watch, end observations for the day; Swalling continues to weld template, but will not pile drive for duration of day
C0273	07/23	7:00	Start	PRE	2	Light	9	0	100	NO	Good	KMS on watch for morning clear

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0274	07/23	7:34	Watch	PRE	2	Light	9	0	100	NO	Good	"All clear" given to swalling from all 3 sites
C0275	07/23	7:56	Watch	PRE	2	Light	9	0	100	NO	Good	Crew continuing to install template, PSOs continue to clear until pile driving begins.
C0276	07/23	8:13	Watch	SLING	2	Moderate	9	0	100	NO	Fair	Prepping to place template; waves building
C0277	07/23	8:20	Watch	SLING	3	Moderate	9	0	100	NO	Fair	
C0278	07/23	8:33	Watch	SLING	4	Moderate	9	0	100	NO	Fair	
C0279	07/23	8:48	Watch	STAB	3	Moderate	9	0	100	NO	Fair	crew placing template on H-piles; wind decreasing.
C0280	07/23	9:05	Watch	PRE	2	Light	10	0	100	NO	Good	Pre-clear to prep for piling; rapid decrease in sea state
C0281	07/23	9:35	Watch	STAB	2	Light	9	0	100	DR	Good	All clear; prepping H-pile to pile drive and complete template.
C0282	07/23	9:54	Watch	VIB	2	Light	9	0	100	DR	Good	Installing H-pile anchor into template
C0283	07/23	10:00	Watch	SLING	2	None	9	0	100	NO	Good	pile complete
C0284	07/23	10:32	Watch	VIBR	2	Light	9	0	100	DR	Good	removed a pile drove yesterday from template
C0285	07/23	10:38	Watch	VIB	2	Light	9	0	100	DR	Good	drove the above pile back into template
C0286	07/23	10:40	Watch	SLING	2	Light	8	0	100	DR	Good	pile complete, crew continuing to weld template
C0287	07/23	11:00	Watch	SLING	3	Light	9	0	100	DR	Good	KMS OFF, FT ON; low 3 sea state
C0288	07/23	11:30	Watch	No Work	3	Light	9	0	100	DR	Good	Swalling team on break
C0289	07/23	12:00	Watch	No Work	3	Light	9	0	100	LTRN	Good	Swalling team on break
C0290	07/23	12:30	Watch	SLING	3	Light	9	0	100	LTRN	Good	welding on template
C0291	07/23	13:00	Watch	SLING	3	Moderate	9	0	100	LTRN	Fair	continue to weld
C0292	07/23	13:30	Watch	PRE	3	Moderate	9	0	100	DR	Fair	crane transporting personnel on and off
C0293	07/23	14:00	Watch	PRE	3	Light	9	0	100	LTRN	Fair	
C0294	07/23	14:19	Watch	VIB	3	Light	9	0	100	LTRN	Fair	Installing H-pile
C0295	07/23	14:20	Watch	No Work	3	Light	9	0	100	LTRN	Fair	Stop driving
C0296	07/23	14:50	Watch	SLING	2	Light	9	0	100	DR	Good	installing bridge between template and dock
C0297	07/23	15:00	Watch	SLING	2	Light	7	0	100	LTRN	Fair	KMS ON, FT OFF
C0298	07/23	15:29	Watch	SLING	2	Light	8	0	100	LTRN	Fair	High 2 sea state
C0299	07/23	15:46	Watch	No Work	2	Light	8	0	100	DR	Good	no on/over water work happening
C0300	07/23	16:12	Watch	No Work	3	Light	6	0	100	DR	Good	
C0301	07/23	16:43	Watch	SLING	3	Light	8	0	100	DR	Good	over water work resumed
C0302	07/23	16:53	Watch	STAB	2	Light	9	0	100	DR	Good	Crew preparing first anchor pile
C0303	07/23	17:24	Watch	STAB	2	Light	9	0	100	DR	Good	
C0304	07/23	17:49	Watch	STAB	2	Light	9	0	100	NO	Good	moving first sheet into place
C0305	07/23	18:00	Watch	PRE	2	Light	9	0	100	DR	Good	KMS OFF, FT ON
C0306	07/23	18:30	Watch	STAB	2	Light	9	0	100	NO	Good	Placing sheet pile in order before pile driving

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0307	07/23	18:45	Watch	VIB	2	Light	9	0	100	NO	Good	1 anchor pile and 3 sheet were added to the template, pile drive hammered 2 sheet pile into place
C0308	07/23	18:46	Watch	SLING	2	Light	9	0	100	NO	Good	Stop
C0309	07/23	19:00	Watch	SLING	2	Light	9	0	100	NO	Good	Swalling team is done pile driving for the day, but continue to weld template
C0310	07/23	19:30	End	POST	2	Light	9	0	100	NO	Good	End of PSO observations.
C0311	07/24	7:01	Start	PRE	4	Moderate	9	0	100	NO	Fair	KMS ON, Start am clear; low 4 sea state
C0312	07/24	7:33	Watch	STAB	3	Moderate	9	0	100	NO	Fair	high 3 sea state; All clear from all 3 sites
C0313	07/24	7:54	Watch	STAB	3	Moderate	9	0	100	NO	Fair	crew placing & welding sheets into place
C0314	07/24	8:18	Watch	STAB	4	Moderate	9	0	95	NO	Fair	
C0315	07/24	8:41	Watch	VIB	3	Moderate	10	0	95	NO	Good	Start driving
C0316	07/24	8:43	Watch	SLING	3	Moderate	10	0	95	NO	Good	driving stopped (drove a pair of welded sheets)
C0317	07/24	8:58	Watch	VIB	3	Moderate	10	0	95	NO	Good	Start driving
C0318	07/24	9:00	Watch	STAB	3	Moderate	10	0	90	NO	Good	driving stopped (1 drive, 2 sheets)
C0319	07/24	9:20	Watch	STAB	4	Moderate	10	0	90	NO	Fair	Seas building
C0320	07/24	9:53	Watch	STAB	3	Moderate	10	5	90	NO	Good	
C0321	07/24	10:00	Watch	VIB	3	Moderate	10	0	85	NO	Good	Start Driving
C0322	07/24	10:13	Watch	SLING	4	Moderate	10	10	85	NO	Fair	Stop driving (1 drive, 2 sheets)
C0323	07/24	10:25	Watch	VIB	4	Moderate	10	10	85	NO	Fair	Start Driving
C0324	07/24	10:27	Watch	STAB	4	Moderate	10	10	70	NO	Fair	Stop driving (1 drive, 1 anchor + 1 sheet)
C0325	07/24	11:00	Watch	STAB	4	Moderate	10	5	50	NO	Fair	KMS OFF, FT ON
C0326	07/24	11:30	Watch	STAB	4	Moderate	10	5	50	NO	Fair	continue stabbing sheets into place before driving
C0327	07/24	11:43	Watch	SLING	4	Moderate	10	5	50	NO	Fair	Swalling team on break, One sheet pile suspended above water.
C0328	07/24	12:09	Watch	PRE	3	Light	10	5	50	NO	Good	Swalling team back to work
C0329	07/24	12:22	Watch	VIB	3	Light	10	5	50	NO	Good	Start driving (sheets)
C0330	07/24	12:25	Watch	SLING	3	Light	10	0	70	NO	Good	Stop driving
C0331	07/24	12:35	Watch	VIB	3	Light	10	0	80	NO	Good	Start driving (sheets)
C0332	07/24	12:37	Watch	SLING	3	Light	10	0	80	NO	Good	Stop driving
C0333	07/24	12:45	Watch	VIB	3	Light	10	0	80	NO	Good	Start driving (sheets)
C0334	07/24	12:47	Watch	SLING	3	Light	10	0	80	NO	Good	Stop driving
C0335	07/24	13:05	Watch	VIB	3	Light	10	0	85	NO	Good	Start driving (sheets)
C0336	07/24	13:06	Watch	SLING	3	Light	10	0	85	NO	Good	Stop driving
C0337	07/24	13:18	Watch	VIB	3	Light	10	0	85	NO	Good	Start driving (sheets)
C0338	07/24	13:19	Watch	SLING	3	Light	10	0	85	NO	Good	Stop driving
C0339	07/24	13:23	Watch	STAB	3	Light	10	0	90	NO	Good	

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0340	07/24	13:51	Watch	VIBR	2	Light	10	0	90	NO	Good	Start removal of H-pile installed previously
C0341	07/24	13:52	Watch	SLING	2	Light	10	0	90	NO	Good	moving H-pile from cell 7 to cell 8
C0342	07/24	13:53	Watch	VIB	2	Light	10	0	90	NO	Good	Start driving H-pile into cell 8
C0343	07/24	13:54	Watch	STAB	2	Light	10	0	90	NO	Good	Stop driving/ sling anchor pile into cell 8
C0344	07/24	14:30	Watch	SLING	1	None	10	0	90	NO	Excel	low sea state
C0345	07/24	14:40	Watch	SLING	1	None	10	0	95	NO	Excel	
C0346	07/24	14:51	Watch	VIB	1	None	10	0	95	NO	Excel	Start driving (anchor + sheets)
C0347	07/24	14:52	Watch	SLING	1	None	10	0	95	NO	Excel	Stop
C0348	07/24	14:53	Watch	VIB	1	None	10	0	95	NO	Excel	Start driving (anchor + sheets)
C0349	07/24	14:54	Watch	SLING	1	None	10	0	95	NO	Excel	Stop
C0350	07/24	14:55	Watch	VIB	1	None	10	0	95	NO	Excel	Start driving (anchor + sheets)
C0351	07/24	14:56	Watch	SLING	1	None	10	0	95	NO	Excel	Stop
C0352	07/24	14:57	Watch	VIB	1	None	10	0	95	NO	Excel	Start driving (anchor + sheets)
C0353	07/24	14:58	Watch	SLING	1	None	10	0	95	NO	Excel	Stop
C0354	07/24	15:00	Watch	SLING	1	None	10	0	95	NO	Excel	FT OFF, KMS ON
C0355	07/24	15:06	Watch	VIB	1	None	10	0	95	NO	Excel	Start driving sheets
C0356	07/24	15:09	Watch	SLING	1	None	10	0	95	NO	Excel	Stop
C0357	07/24	15:17	Watch	VIB	1	None	10	0	95	NO	Excel	Start driving sheets
C0358	07/24	15:18	Watch	SLING	1	None	10	0	95	NO	Excel	Stop
C0359	07/24	15:27	Watch	VIB	1	None	10	0	95	NO	Excel	Start driving sheets
C0360	07/24	15:28	Watch	SLING	1	None	10	0	95	NO	Excel	Stop
C0361	07/24	15:33	Watch	VIB	1	None	10	0	95	NO	Excel	Start driving anchor and sheets
C0362	07/24	15:34	Watch	No Work	0	None	10	0	95	NO	Excel	Stop
C0363	07/24	16:03	Watch	No Work	1	None	10	0	95	NO	Excel	Swalling on break
C0364	07/24	16:20	Watch	PRE	2	Light	10	0	95	NO	Excel	wind increasing; high 2 sea state
C0365	07/24	16:51	Watch	VIB	3	Light	10	0	95	NO	Good	Start (Sheets)
C0366	07/24	16:53	Watch	SLING	3	Light	10	0	95	NO	Good	Stop
C0367	07/24	17:00	Watch	VIB	3	Light	10	0	95	NO	Good	Start (sheets and anchor)
C0368	07/24	17:05	Watch	SLING	3	Light	10	0	95	NO	Good	Stop
C0369	07/24	17:17	Watch	VIBR	4	Moderate	10	10	85	NO	Fair	Start removing H-pile
C0370	07/24	17:18	Watch	STAB	3	Light	10	0	95	NO	Good	Stop
C0371	07/24	17:23	Watch	VIB	3	Light	10	0	95	NO	Good	Start driving H-pile, into new spot
C0372	07/24	17:24	Watch	SLING	3	Light	10	0	95	NO	Good	

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0373	07/24	17:59	Watch	STAB	3	Light	10	0	80	NO	Good	KMS OFF, FT ON
C0374	07/24	18:00	Watch	STAB	3	Light	10	0	80	NO	Good	
C0375	07/24	18:30	Watch	SLING	3	Light	10	0	80	NO	Good	Swalling team finished for the day
C0376	07/24	19:00	Watch	POST	3	Light	10	0	80	NO	Good	Post 30 minutes observations
C0377	07/24	19:10	End	POST	3	Light	10	0	80	NO	Good	End of observations
C0378	07/25	6:59	Start	PRE	2	None	10	20	70	NO	Excel	KMS on watch pre-work clear
C0379	07/25	7:30	Watch	STAB	3	Light	10	15	95	NO	Good	All clear, crew starting to stab sheet
C0380	07/25	8:00	Watch	STAB	3	Moderate	10	5	95	NO	Good	
C0381	07/25	8:30	Watch	STAB	3	Moderate	9	10	90	NO	Good	
C0382	07/25	8:54	Watch	VIB	3	Light	10	5	95	NO	Good	Start (sheets)
C0383	07/25	8:55	Watch	SLING	3	Light	10	5	95	NO	Good	Stop
C0384	07/25	9:08	Watch	VIB	3	Light	10	5	95	NO	Good	Start (sheets)
C0385	07/25	9:09	Watch	SLING	3	Light	10	5	95	NO	Good	Stop
C0386	07/25	9:28	Watch	VIB	3	Light	9	0	100	NO	Good	Start (Sheets)
C0387	07/25	9:29	Watch	SLING	3	Light	9	0	100	NO	Good	Stop
C0388	07/25	9:57	Watch	VIB	3	Light	9	0	100	NO	Good	Start (Sheets)
C0389	07/25	9:58	Watch	SLING	3	Light	9	0	100	NO	Good	Stop
C0390	07/25	10:09	Watch	VIB	3	Light	9	0	100	NO	Good	Start (sheets)
C0391	07/25	10:10	Watch	SLING	3	Light	9	0	100	NO	Good	Stop
C0392	07/25	10:21	Watch	VIB	3	Light	9	0	100	NO	Good	Start (sheets)
C0393	07/25	10:22	Watch	SLING	3	Light	9	0	100	NO	Good	Stop
C0394	07/25	10:24	Watch	VIBR	3	Light	9	0	100	NO	Good	Start (removing H-pile)
C0395	07/25	10:25	Watch	STAB	3	Light	9	0	100	NO	Good	Stop
C0396	07/25	10:30	Watch	VIB	3	Light	9	0	100	NO	Good	Start (driving H-pile in new spot)
C0397	07/25	10:32	Watch	STAB	3	Light	9	0	100	NO	Good	Stop
C0398	07/25	10:50	Watch	VIBR	3	Light	9	0	100	NO	Good	Start (removing H-pile)
C0399	07/25	10:51	Watch	STAB	3	Light	9	0	100	NO	Good	Stop
C0400	07/25	10:52	Watch	VIB	3	Light	9	0	100	NO	Good	Start (driving H pile)
C0401	07/25	10:53	Watch	SLING	3	Light	9	0	100	NO	Good	
C0402	07/25	11:00	Watch	SLING	3	Light	9	0	100	NO	Good	KMS OFF, FT ON
C0403	07/25	11:18	Watch	STAB	2	Light	10	0	100	NO	Good	
C0404	07/25	11:30	Watch	STAB	2	Light	10	0	100	NO	Good	
C0405	07/25	12:00	Watch	PRE	2	Light	10	0	100	NO	Good	Swalling team on lunch break

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0406	07/25	12:30	Watch	PRE	3	Light	10	0	100	NO	Good	Swalling back to work
C0407	07/25	12:34	Watch	VIB	3	Light	10	0	100	NO	Good	Started pile driving sheets
C0408	07/25	12:35	Watch	SLING	3	Light	10	0	100	NO	Good	Stop
C0409	07/25	12:44	Watch	VIB	3	Moderate	10	0	100	NO	Fair	Start pile driving sheets
C0410	07/25	12:45	Watch	SLING	3	Moderate	10	0	100	NO	Fair	Stop
C0411	07/25	13:06	Watch	VIB	4	Moderate	8	0	100	NO	Fair	Start pile driving sheets
C0412	07/25	13:07	Watch	SLING	4	Moderate	8	0	100	NO	Fair	Stop
C0413	07/25	13:30	Watch	STAB	5	Moderate	8	0	90	NO	Poor	placing sheets
C0414	07/25	13:50	Watch	STAB	4	Moderate	8	0	90	NO	Fair	Installing Y-pile in place
C0415	07/25	14:15	Watch	STAB	4	Moderate	8	0	90	NO	Fair	placing sheet pile into place
C0416	07/25	14:23	Watch	VIB	4	Moderate	8	0	90	NO	Fair	Start driving sheets
C0417	07/25	14:25	Watch	SLING	4	Moderate	8	0	90	NO	Fair	Stop
C0418	07/25	14:36	Watch	VIB	4	Moderate	8	0	90	NO	Fair	Start driving sheets
C0419	07/25	14:37	Watch	SLING	4	Moderate	8	0	90	NO	Fair	
C0420	07/25	14:44	Watch	VIB	4	Moderate	8	0	90	NO	Fair	Start driving sheets
C0421	07/25	14:45	Watch	SLING	4	Moderate	8	0	90	NO	Fair	Stop
C0422	07/25	14:49	Watch	VIBR	5	Moderate	8	0	90	NO	Poor	Start pulling H-pile
C0423	07/25	14:50	Watch	SLING	5	Moderate	8	0	90	NO	Poor	Stop
C0424	07/25	14:59	Watch	SLING	5	Heavy	8	0	100	NO	Poor	FT OFF, KMS ON
C0425	07/25	15:16	Watch	VIB	5	Heavy	8	0	100	NO	Poor	Start driving sheets
C0426	07/25	15:17	Watch	No Work	5	Heavy	8	0	100	NO	Poor	Stop, no over water work
C0427	07/25	15:39	Watch	POST	5	Moderate	8	0	100	DR	Poor	Swalling stopping work for day, waiting for surveyor
C0428	07/25	16:10	End	POST	5	Heavy	8	0	100	DR	Poor	KMS OFF watch, end of observations for the day.
C0429	07/27	7:00	Start	PRE	2	Light	9	0	100	NO	Good	Updated Lat/Long and elevation, post elevated connex
C0430	07/27	7:33	Watch	No Work	2	Light	9	0	100	NO	Good	All clear; pile driving delayed- waiting on surveyor
C0431	07/27	8:04	Watch	No Work	1	None	9	0	100	NO	Excel	
C0432	07/27	8:34	Watch	No Work	1	None	9	0	100	NO	Excel	
C0433	07/27	9:03	Watch	No Work	3	Light	9	0	100	NO	Good	Low 3
C0434	07/27	9:30	Watch	No Work	2	Light	9	0	100	NO	Good	
C0435	07/27	9:59	Break	No Work	2	Light	9	0	100	NO	Good	end of AM shift due to one PSO being ill
C0436	07/27	14:00	Start	PRE	2	Light	7	0	100	LTRN	Good	FT ON, pre clear
C0437	07/27	14:35	Watch	No Work	2	Light	7	0	100	LTRN	Good	Clear from all 3 stations
C0438	07/27	15:00	Watch	No Work	2	Light	7	0	100	LTRN	Good	Swalling team is welding on dock, no over water work

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0439	07/27	15:30	Watch	No Work	1	Light	9	0	100	LTRN	Excel	Waiting for surveyor/engineers to advise if they can continue or start over.
C0440	07/27	16:00	Watch	No Work	2	Moderate	9	0	100	LTRN	Good	no over water work
C0441	07/27	16:30	Watch	No Work	3	Moderate	8	0	100	LTRN	Fair	
C0442	07/27	16:45	Watch	No Work	3	Moderate	6	0	100	MULT	Poor	FT OFF KMS ON, HFOG and DR
C0443	07/27	17:03	Watch	No Work	4	Moderate	7	0	100	MULT	Poor	waves building, 5 to the South, HFOG and DR
C0444	07/27	17:36	Watch	No Work	3	Moderate	7	0	100	LFOG	Poor	High 3, worse to the S
C0445	07/27	18:20	End	No Work	5	Moderate	7	0	100	LFOG	Poor	Surveyor not back to crew, no pile driving for the day. KMS off watch. No POST because no pile driving today.
C0446	07/28	7:00	Start	PRE	2	Light	10	0	100	NO	Good	KMS ON; Start am clear
C0447	07/28	7:30	Watch	SLING	2	Light	10	0	100	DR	Good	"all clear"
C0448	07/28	8:02	Watch	No Work	2	Light	10	0	95	NO	Good	no over water work
C0449	07/28	8:35	Watch	No Work	2	Light	10	0	95	NO	Excel	
C0450	07/28	8:59	Watch	SLING	2	Light	10	0	90	NO	Excel	
C0451	07/28	9:18	Watch	No Work	2	Light	10	0	90	NO	Excel	
C0452	07/28	9:47	Watch	No Work	2	Light	10	0	90	NO	Good	High 2
C0453	07/28	10:10	Watch	No Work	3	Moderate	10	0	90	NO	Good	
C0454	07/28	10:25	Watch	No Work	2	Moderate	10	0	90	NO	Good	update from swalling- Still no word from surveyor
C0455	07/28	10:55	Watch	No Work	2	Moderate	10	0	85	NO	Good	High 2
C0456	07/28	11:00	Watch	No Work	2	Moderate	10	0	85	NO	Good	KMS OFF; FT ON
C0457	07/28	11:30	Watch	No Work	2	Light	10	0	75	NO	Excel	Swalling team on break
C0458	07/28	12:00	Watch	No Work	2	Light	10	0	75	NO	Excel	
C0459	07/28	12:30	Watch	No Work	1	Light	10	0	75	NO	Excel	Swalling team back to work, welding on dock, no over water work.
C0460	07/28	13:00	Watch	PRE	1	Light	10	0	60	NO	Excel	Place H-pile at cell 8 no piling yet
C0461	07/28	13:30	Watch	PRE	1	Light	10	0	60	NO	Excel	preparing to drive H-pile in cell 8
C0462	07/28	13:35	Watch	VIB	1	Light	10	0	60	NO	Excel	Start driving H-pile in cell 8
C0463	07/28	13:36	Watch	SLING	1	Light	10	0	60	NO	Excel	Stop
C0464	07/28	14:00	Watch	No Work	1	Light	10	0	60	NO	Excel	Surveyors discussing plans with swalling
C0465	07/28	14:30	Watch	No Work	2	Light	10	0	60	NO	Excel	Low 2
C0466	07/28	15:00	Watch	No Work	2	Light	10	0	55	NO	Excel	FT OFF KMS ON
C0467	07/28	15:25	Watch	PRE	2	Light	10	0	70	NO	Excel	
C0468	07/28	15:51	Watch	VIBR	2	Light	10	0	80	NO	Excel	Start pulling H-pile
C0469	07/28	15:52	Watch	SLING	2	Light	10	0	80	NO	Excel	Stop
C0470	07/28	15:59	Watch	VIB	2	Light	10	0	80	NO	Excel	Start driving H-pile

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0471	07/28	16:01	Watch	SLING	2	Light	10	0	80	NO	Excel	
C0472	07/28	16:20	Watch	SLING	2	Light	10	0	80	NO	Excel	Moving the walkway from the S side of template o the N side
C0473	07/28	16:53	Watch	SLING	2	Light	10	0	80	NO	Good	
C0474	07/28	17:27	Watch	STAB	3	Light	10	0	95	NO	Good	begin stabbing sheets
C0475	07/28	17:53	Watch	STAB	3	Light	10	0	95	NO	Good	
C0476	07/28	18:00	Watch	PRE	3	Light	10	0	95	NO	Good	KMS OFF, FT ON
C0477	07/28	18:18	Watch	PRE	3	Light	10	0	95	NO	Good	preparing to pile drive sheets
C0478	07/28	18:21	Watch	VIB	3	Light	10	0	95	NO	Good	Start driving sheets
C0479	07/28	18:22	Watch	SLING	3	Light	10	0	95	NO	Good	Stop
C0480	07/28	18:29	Watch	VIB	3	Light	10	0	95	NO	Good	Start driving sheets
C0481	07/28	18:30	Watch	SLING	3	Light	10	0	95	NO	Good	Stop
C0482	07/28	18:48	Watch	VIB	3	Light	10	0	95	NO	Good	Start driving sheets
C0483	07/28	18:49	Watch	SLING	3	Light	10	0	95	NO	Good	Stop
C0484	07/28	18:56	Watch	VIB	3	Light	10	0	95	NO	Good	Start driving sheets
C0485	07/28	18:57	Watch	POST	3	Light	10	0	95	NO	Good	Stop
C0486	07/28	19:27	End	POST	3	Light	10	0	95	NO	Good	End of observations for the day.
C0487	07/29	6:59	Start	PRE	2	Light	3	0	100	MULT	Poor	KMS ON, Pre-work clear DR + LTFOG
C0488	07/29	7:30	Watch	STAB	2	Light	4	0	100	MULT	Poor	All clear, DR + HFOG
C0489	07/29	8:03	Watch	VIB	2	Light	3	0	100	MULT	Poor	Start (Sheets) , DR + HFOG
C0490	07/29	8:06	Watch	SLING	2	Light	4	0	100	MULT	Fair	Stop , DR + HFOG
C0491	07/29	8:15	Watch	VIB	2	Light	4	0	100	MULT	Fair	Start (Sheets) , DR + HFOG
C0492	07/29	8:18	Watch	SLING	2	Light	4	0	100	MULT	Fair	Stop , DR + HFOG
C0493	07/29	8:29	Watch	VIB	2	Light	4	0	100	MULT	Fair	Start (Sheets) , DR + HFOG
C0494	07/29	8:30	Watch	SLING	2	Light	4	0	100	MULT	Fair	Stop , DR + HFOG
C0495	07/29	8:35	Watch	VIB	3	Light	5	0	100	MULT	Fair	Start (Sheets) , DR + HFOG
C0496	07/29	8:36	Watch	SLING	3	Light	5	0	100	MULT	Fair	Stop , DR + HFOG
C0497	07/29	8:46	Watch	VIB	3	Light	5	0	100	MULT	Fair	Start (Sheets) , DR + HFOG
C0498	07/29	8:47	Watch	SLING	3	Light	5	0	100	MULT	Fair	Stop , DR + HFOG
C0499	07/29	8:54	Watch	STAB	3	Light	3	0	100	MULT	Poor	Stabbing sheets , DR + HFOG
C0500	07/29	9:22	Watch	STAB	2	Light	4	0	100	MULT	Fair	Stabbing anchor pile , DR + HFOG
C0501	07/29	9:59	Watch	VIB	2	Light	5	0	100	MULT	Fair	Start (anchor pile) , DR + HFOG
C0502	07/29	10:01	Watch	SLING	2	Light	5	0	100	MULT	Fair	Stop , DR + LFOG
C0503	07/29	10:07	Watch	PULL	1	None	8	0	100	DR	Good	dead pulled H-pile from cell 8/ fog lifted

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0504	07/29	10:25	Watch	VIB	1	None	8	0	100	DR	Good	Start (H-pile)
C0505	07/29	10:29	Watch	SLING	1	None	8	0	100	DR	Good	Stop
C0506	07/29	10:43	Watch	SLING	2	Light	3	0	100	MULT	Poor	Fog/DR- fog came back in
C0507	07/29	11:00	Watch	SLING	2	Light	6	0	100	DR	Good	KMS OFF FT ON
C0508	07/29	11:30	Watch	SLING	2	Light	8	0	100	DR	Excel	Moving template to cell 8
C0509	07/29	12:00	Watch	No Work	2	Light	9	0	100	NO	Excel	Swalling on lunch break
C0510	07/29	12:30	Watch	No Work	2	Light	9	0	100	NO	Excel	
C0511	07/29	13:00	Watch	Other	2	Light	9	0	90	NO	Excel	Swalling building new template for cell 8
C0512	07/29	13:30	Watch	Other	1	Light	9	0	80	NO	Excel	Continue welding new template
C0513	07/29	14:00	Watch	PRE	1	Light	9	0	80	NO	Excel	Welding on cell 7 preparing for pile driving
C0514	07/29	14:30	Watch	SLING	1	Light	10	0	80	NO	Excel	SLING hammer over sheets
C0515	07/29	14:33	Watch	VIB	1	Light	10	0	80	NO	Excel	Start driving sheets
C0516	07/29	14:35	Watch	SLING	1	Light	10	0	80	NO	Excel	Stop
C0517	07/29	14:43	Watch	VIB	1	Light	10	0	80	NO	Excel	Start driving sheets
C0518	07/29	14:44	Watch	SLING	1	Light	10	0	80	NO	Excel	Stop
C0519	07/29	14:49	Watch	VIB	1	Light	10	0	80	NO	Excel	Start driving sheets
C0520	07/29	14:50	Watch	SLING	1	Light	10	0	80	NO	Excel	Stop
C0521	07/29	14:54	Watch	VIB	1	Light	10	0	80	NO	Excel	Start driving sheets
C0522	07/29	14:55	Watch	SLING	1	Light	10	0	80	NO	Excel	Stop
C0523	07/29	14:59	Watch	VIB	1	None	10	0	95	NO	Excel	Start (anchor),KMS ON FT OFF
C0524	07/29	15:00	Watch	SLING	1	None	10	0	95	NO	Excel	Stop
C0525	07/29	15:03	Watch	VIB	1	None	10	0	95	NO	Excel	Start (sheets)
C0526	07/29	15:04	Watch	SLING	1	None	10	0	95	NO	Excel	Stop
C0527	07/29	15:06	Watch	VIB	1	None	10	0	95	NO	Excel	Start (sheets)
C0528	07/29	15:07	Watch	SLING	1	None	10	0	95	NO	Excel	Stop
C0529	07/29	15:10	Watch	VIB	1	None	10	0	95	NO	Excel	Start (anchor)
C0530	07/29	15:11	Watch	SLING	1	None	10	0	95	NO	Excel	Stop
C0531	07/29	15:13	Watch	VIB	1	None	10	0	95	NO	Excel	Start (sheets)
C0532	07/29	15:14	Watch	SLING	1	None	10	0	95	NO	Excel	Stop
C0533	07/29	15:18	Watch	VIB	1	None	10	0	95	NO	Excel	Start (sheets)
C0534	07/29	15:19	Watch	SLING	1	None	10	0	95	NO	Excel	Stop
C0535	07/29	15:24	Watch	VIBR	1	None	10	0	95	NO	Excel	Start pulling H-pile
C0536	07/29	15:25	Watch	STAB	1	None	10	0	95	NO	Excel	Stop- moving to cell 8

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0537	07/29	15:26	Watch	VIB	1	None	10	0	85	NO	Excel	Start (H-pile)
C0538	07/29	15:27	Watch	SLING	1	None	10	0	85	NO	Excel	Stop
C0539	07/29	15:34	Watch	VIB	1	None	10	0	85	NO	Excel	Start (sheets)
C0540	07/29	15:39	Watch	SLING	1	None	10	0	85	NO	Excel	Stop
C0541	07/29	15:51	Watch	VIB	0	None	10	0	80	NO	Excel	Start (sheets)
C0542	07/29	15:52	Watch	SLING	0	None	10	0	80	NO	Excel	Stop
C0543	07/29	15:56	Watch	VIBR	0	None	10	0	80	NO	Excel	Start (H-pile)
C0544	07/29	15:57	Watch	STAB	0	None	10	0	80	NO	Excel	Stop
C0545	07/29	15:58	Watch	VIB	0	None	10	0	80	NO	Excel	Start (H-pile)
C0546	07/29	15:59	Watch	SLING	0	None	10	0	80	NO	Excel	Stop
C0547	07/29	16:01	Watch	VIB	0	None	10	0	80	NO	Excel	Start (sheets)
C0548	07/29	16:02	Watch	SLING	0	None	10	0	80	NO	Excel	Stop
C0549	07/29	16:07	Watch	VIB	0	None	10	0	80	NO	Excel	Start (sheets)
C0550	07/29	16:08	Watch	SLING	0	None	10	0	80	NO	Excel	Stop
C0551	07/29	16:11	Watch	VIB	0	None	10	0	80	NO	Excel	Start (sheets)
C0552	07/29	16:13	Watch	SLING	0	None	10	0	80	NO	Excel	Stop
C0553	07/29	16:18	Watch	VIB	0	None	10	0	80	NO	Excel	Start (sheets)
C0554	07/29	16:19	Watch	SLING	0	None	10	0	80	NO	Excel	Stop
C0555	07/29	16:22	Watch	VIB	0	None	10	0	80	NO	Excel	Start (sheets)-driving multiple sheets in a row w/only a few seconds stopping in between
C0556	07/29	16:28	Watch	SLING	1	None	10	0	75	NO	Excel	Stop
C0557	07/29	16:30	Watch	No Work	1	None	10	10	70	NO	Excel	No over water work
C0558	07/29	17:03	Watch	SLING	1	None	10	0	80	NO	Excel	
C0559	07/29	17:30	Watch	SLING	1	None	10	0	75	NO	Excel	
C0560	07/29	17:50	Watch	VIBR	1	None	10	10	75	NO	Excel	Start pulling H-pile
C0561	07/29	17:51	Watch	SLING	1	None	10	10	60	NO	Excel	Stop
C0562	07/29	17:54	Watch	VIB	1	None	10	10	60	NO	Excel	Start (H-pile)
C0563	07/29	17:55	Watch	SLING	1	None	10	10	60	NO	Excel	Stop
C0564	07/29	18:00	Watch	PRE	1	None	10	10	80	NO	Excel	FT ON KMS OFF/ placing H-pile into place
C0565	07/29	18:18	Watch	VIB	1	None	10	15	80	NO	Excel	Start driving H-pile
C0566	07/29	18:19	Watch	SLING	0	None	10	15	80	NO	Excel	Stop, swalling team done for the day
C0567	07/29	18:30	Watch	POST	0	None	10	15	80	NO	Excel	Swalling packing up, Start post clear
C0568	07/29	18:49	End	POST	0	None	10	15	80	NO	Excel	End
C0569	07/30	7:01	Start	PRE	1	None	8	0	100	DR	Good	KMS on; start am clear

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0570	07/30	7:31	Watch	SLING	1	none	7	0	100	LTRN	Good	All clear
C0571	07/30	8:00	Watch	SLING	1	none	7	0	100	DR	Good	working on template cell 8
C0572	07/30	8:25	Watch	STAB	1	none	8	0	100	NO	Excel	Stabbing sheets
C0573	07/30	8:58	Watch	STAB	1	none	8	0	100	NO	Excel	
C0574	07/30	9:20	Watch	VIB	1	none	9	0	100	NO	Excel	Start (sheets)
C0575	07/30	9:21	Watch	SLING	1	none	9	0	100	NO	Excel	Stop
C0576	07/30	9:27	Watch	VIB	1	none	9	0	100	NO	Excel	Start (sheets)
C0577	07/30	9:28	Watch	SLING	1	none	9	0	100	NO	Excel	Stop
C0578	07/30	9:39	Watch	STAB	1	none	9	0	100	NO	Excel	Stabbing sheets
C0579	07/30	9:55	Watch	STAB	1	none	7	0	100	LTRN	Good	
C0580	07/30	10:07	Watch	VIB	2	none	7	0	100	DR	Good	Start (sheets)
C0581	07/30	10:08	Watch	SLING	2	none	7	0	100	DR	Good	Stop
C0582	07/30	10:14	Watch	VIB	2	none	7	0	100	DR	Good	Start (sheets)
C0583	07/30	10:15	Watch	STAB	2	none	7	0	100	DR	Good	Stop
C0584	07/30	10:53	Watch	VIB	2	none	7	0	100	DR	Good	Start (sheets)
C0585	07/30	10:54	Watch	SLING	2	none	7	0	100	DR	Good	Stop
C0586	07/30	10:59	Watch	VIB	2	none	7	0	100	DR	Good	KMS OFF; FT ON Start sheets
C0587	07/30	11:00	Watch	SLING	2	none	7	0	100	DR	Good	Stop
C0588	07/30	11:24	Watch	STAB	1	none	9	0	100	DR	Excel	Stab sheets
C0589	07/30	11:49	Watch	No Work	1	none	9	0	100	DR	Excel	swalling on break
C0590	07/30	12:00	Watch	No Work	1	none	10	0	100	DR	Excel	swalling on break
C0591	07/30	12:30	Watch	STAB	1	none	4	0	100	MULT	Fair	LTRN and Fog
C0592	07/30	12:44	Watch	VIB	1	none	5	0	100	DR	Fair	Start driving sheets
C0593	07/30	12:45	Watch	SLING	1	none	9	0	100	DR	Excel	Stop
C0594	07/30	12:46	Watch	VIB	1	none	9	0	100	DR	Excel	Start driving sheets
C0595	07/30	12:47	Watch	SLING	1	none	9	0	100	DR	Excel	Stop
C0596	07/30	12:56	Watch	VIB	1	none	9	0	100	DR	Excel	Start driving sheets
C0597	07/30	12:57	Watch	SLING	1	none	9	0	100	DR	Excel	Stop
C0598	07/30	13:30	Watch	STAB	1	none	9	0	100	DR	Excel	Sheets
C0599	07/30	14:00	Watch	STAB	1	Light	9	0	100	DR	Excel	Sheets
C0600	07/30	14:30	Watch	PRE	2	Light	9	0	100	DR	Excel	welding on cell 8
C0601	07/30	14:53	Watch	PRE	2	Light	9	0	100	NO	Excel	SLING Hammer over water
C0602	07/30	15:04	Watch	VIB	2	Light	9	0	100	NO	Excel	Start (sheets) KMS ON FT OFF

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0603	07/30	15:05	Watch	SLING	2	Light	9	0	100	NO	Excel	Stop
C0604	07/30	15:15	Watch	VIB	2	Light	9	0	100	NO	Excel	Start (Sheets)
C0605	07/30	15:17	Watch	SLING	2	Light	9	0	100	NO	Excel	Stop
C0606	07/30	15:20	Watch	VIB	2	Light	9	0	100	NO	Excel	Start (sheets)
C0607	07/30	15:21	Watch	SLING	2	Light	9	0	100	NO	Excel	Stop
C0608	07/30	15:24	Watch	VIB	2	Light	9	0	100	NO	Excel	Start (sheets)
C0609	07/30	15:25	Watch	SLING	2	Light	9	0	100	NO	Excel	Stop
C0610	07/30	15:46	Watch	VIB	2	Moderate	9	0	100	NO	Excel	High 2; start (sheets)
C0611	07/30	15:47	Watch	SLING	2	Moderate	9	0	100	NO	Excel	Stop
C0612	07/30	15:50	Watch	VIB	2	Moderate	9	0	100	NO	Excel	Start (sheets)
C0613	07/30	15:51	Watch	SLING	2	Moderate	9	0	100	NO	Excel	Stop
C0614	07/30	15:56	Watch	VIB	2	Moderate	9	0	100	NO	Excel	Start (sheets)
C0615	07/30	15:57	Watch	SLING	2	Moderate	9	0	100	NO	Excel	Stop
C0616	07/30	16:00	Watch	VIB	2	Moderate	9	0	100	NO	Excel	Start (sheets)
C0617	07/30	16:01	Watch	SLING	2	Moderate	9	0	100	NO	Excel	Stop
C0618	07/30	16:04	Watch	VIB	2	Moderate	9	0	100	NO	Excel	Start (sheets)
C0619	07/30	16:05	Watch	SLING	2	Moderate	9	0	100	NO	Excel	Stop
C0620	07/30	16:11	Watch	VIB	2	Moderate	9	0	100	NO	Excel	Start (sheets)
C0621	07/30	16:12	Watch	SLING	2	Moderate	9	0	100	NO	Excel	Stop
C0622	07/30	16:24	Watch	STAB	2	Moderate	10	0	90	NO	Excel	Stabbing (sheets)
C0623	07/30	16:53	Watch	SLING	2	Moderate	10	0	100	NO	Excel	
C0624	07/30	17:04	Watch	VIB	2	Moderate	10	0	100	NO	Excel	Start (sheets)
C0625	07/30	17:06	Watch	SLING	2	Moderate	10	0	100	NO	Excel	Stop
C0626	07/30	17:14	Watch	VIB	2	Moderate	10	0	100	NO	Excel	Start (sheets)
C0627	07/30	17:16	Watch	SLING	2	Moderate	10	0	100	NO	Excel	Stop
C0628	07/30	17:25	Watch	STAB	3	Moderate	10	0	100	NO	Good	Stabbing sheets - Low 3
C0629	07/30	18:00	Watch	VIB	2	Light	10	0	100	NO	Excel	Start driving sheets
C0630	07/30	18:01	Watch	SLING	2	Light	10	0	100	NO	Excel	Stop
C0631	07/30	18:07	Watch	VIB	2	Light	10	0	100	NO	Excel	Start (sheets)
C0632	07/30	18:08	Watch	SLING	2	Light	10	0	100	NO	Excel	Stop
C0633	07/30	18:15	Watch	VIB	2	Light	10	0	100	NO	Excel	Start driving sheets
C0634	07/30	18:16	Watch	SLING	2	Light	10	0	100	NO	Excel	Stop
C0635	07/30	18:21	Watch	VIB	2	Light	10	0	100	NO	Excel	Start (sheets)

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0636	07/30	18:22	Watch	SLING	2	Light	10	0	100	NO	Excel	Stop/ Swalling done piling for the day
C0637	07/30	18:30	Watch	POST	2	Light	10	0	100	NO	Excel	
C0638	07/30	18:52	End	POST	2	Light	10	0	100	NO	Excel	End
C0639	07/31	7:01	Start	PRE	2	Light	9	0	100	DR	Good	KMS on; Start am clear
C0640	07/31	7:31	Watch	SLING	2	Light	9	0	100	DR	Good	"all clear"
C0641	07/31	7:59	Watch	SLING	2	Light	10	0	95	DR	Excel	
C0642	07/31	8:34	Watch	VIB	2	None	10	0	95	DR	Excel	Start (sheet + Y-pile)
C0643	07/31	8:35	Watch	SLING	2	None	10	0	95	DR	Excel	Stop
C0644	07/31	8:50	Watch	VIB	2	None	10	0	95	DR	Excel	Start (sheets)
C0645	07/31	8:51	Watch	SLING	2	None	10	0	95	DR	Excel	Stop
C0646	07/31	8:54	Watch	VIB	2	None	10	0	95	DR	Excel	Start (sheets)
C0647	07/31	8:55	Watch	SLING	2	None	10	0	95	DR	Excel	Stop
C0648	07/31	8:57	Watch	VIB	2	None	10	0	95	DR	Excel	Start (sheets)
C0649	07/31	8:58	Watch	SLING	2	None	10	0	95	DR	Excel	Stop
C0650	07/31	9:02	Watch	VIB	2	None	10	0	95	DR	Excel	Start (sheets)
C0651	07/31	9:03	Watch	SLING	2	None	10	0	95	DR	Excel	Stop
C0652	07/31	9:05	Watch	VIB	2	None	10	0	95	DR	Excel	Start (sheets)
C0653	07/31	9:08	Watch	SLING	2	None	10	0	95	DR	Excel	Stop
C0654	07/31	9:14	Watch	VIB	2	None	10	0	95	DR	Excel	Start (sheets)
C0655	07/31	9:15	Watch	SLING	2	None	10	0	100	DR	Excel	Stop
C0656	07/31	9:46	Watch	SLING	1	None	9	0	100	DR	Excel	
C0657	07/31	10:04	Watch	SLING	1	None	8	0	100	DR	Good	reduced vis to the N due to rain.
C0658	07/31	10:36	Watch	SLING	1	None	9.5	0	100	NO	Excel	
C0659	07/31	11:00	Watch	No Work	1	None	10	0	100	DR	Excel	FT ON KMS OFF
C0660	07/31	11:10	Watch	STAB	1	None	10	0	100	DR	Excel	Stabbing sheets
C0661	07/31	11:30	Watch	No Work	1	None	10	0	100	DR	Excel	Swalling on break
C0662	07/31	12:02	Watch	PRE	2	Light	10	0	100	DR	Excel	back to work (stabbing)
C0663	07/31	12:20	Watch	PRE	2	Light	10	0	100	DR	Excel	preparing to drive sheets
C0664	07/31	12:23	Watch	VIB	2	Light	10	0	100	DR	Excel	Start driving sheets
C0665	07/31	12:24	Watch	SLING	2	Light	10	0	100	DR	Excel	Stop
C0666	07/31	12:42	Watch	VIB	2	Light	10	0	100	DR	Excel	Start driving sheets
C0667	07/31	12:43	Watch	SLING	2	Light	10	0	100	DR	Excel	Stop
C0668	07/31	12:51	Watch	VIB	2	Light	10	0	100	DR	Excel	Start driving sheets

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0669	07/31	12:52	Watch	SLING	2	Light	10	0	100	DR	Excel	Stop
C0670	07/31	12:55	Watch	VIB	2	Light	10	0	90	NO	Excel	Start driving sheets
C0671	07/31	12:56	Watch	SLING	2	Light	10	0	90	NO	Excel	Stop
C0672	07/31	12:57	Watch	VIB	2	Light	10	0	90	NO	Excel	Start driving sheets
C0673	07/31	12:58	Watch	SLING	2	Light	10	0	90	NO	Excel	Stop
C0674	07/31	13:00	Watch	VIB	2	Light	10	0	90	NO	Excel	Start driving sheets
C0675	07/31	13:01	Watch	SLING	2	Light	10	0	90	NO	Excel	Stop
C0676	07/31	13:04	Watch	VIB	2	Light	10	0	90	NO	Excel	Start driving sheets
C0677	07/31	13:05	Watch	SLING	2	Light	10	0	90	NO	Excel	Stop
C0678	07/31	13:10	Watch	VIBR	2	Light	10	0	90	NO	Excel	Pull H-pile from cell 7 to cell 5
C0679	07/31	13:11	Watch	SLING	2	Light	10	0	90	NO	Excel	Stop
C0680	07/31	13:12	Watch	VIB	2	Light	10	0	90	NO	Excel	Start driving H-pile to cell 8
C0681	07/31	13:13	Watch	SLING	2	Light	10	0	90	NO	Excel	Stop
C0682	07/31	13:14	Watch	VIB	2	Light	10	0	90	NO	Excel	Start driving sheets
C0683	07/31	13:15	Watch	SLING	2	Light	10	0	90	NO	Excel	Stop
C0684	07/31	13:19	Watch	VIB	2	Light	10	0	90	NO	Excel	Start driving anchor-pile
C0685	07/31	13:20	Watch	SLING	2	Light	10	0	90	NO	Excel	Stop
C0686	07/31	13:50	Watch	SLING	2	Light	10	0	90	NO	Excel	
C0687	07/31	14:00	Watch	STAB	2	Light	10	0	90	NO	Excel	Stabbing anchor pile
C0688	07/31	14:20	Watch	PRE	2	Light	10	0	90	NO	Excel	preparing to drive pile
C0689	07/31	14:22	Watch	VIB	2	Light	10	0	90	NO	Excel	Start driving sheets + anchor
C0690	07/31	14:23	Watch	SLING	2	Light	10	0	90	NO	Excel	Stop
C0691	07/31	14:29	Watch	VIB	3	Light	10	0	90	NO	Excel	Start driving sheets
C0692	07/31	14:30	Watch	SLING	3	Light	10	0	90	NO	Excel	Stop
C0693	07/31	14:38	Watch	VIB	3	Light	10	0	90	NO	Excel	Start
C0694	07/31	14:39	Watch	SLING	3	Moderate	10	0	95	NO	Fair	Stop
C0695	07/31	14:48	Watch	VIB	3	Moderate	10	0	95	NO	Fair	Start
C0696	07/31	14:49	Watch	SLING	3	Moderate	10	0	95	NO	Fair	Stop
C0697	07/31	14:55	Watch	VIB	3	Moderate	10	0	95	NO	Fair	Start
C0698	07/31	14:56	Watch	SLING	3	Moderate	10	0	95	NO	Fair	Stop
C0699	07/31	14:59	Watch	VIB	3	Moderate	10	0	95	NO	Fair	Start
C0700	07/31	15:00	Watch	SLING	3	Moderate	10	0	95	NO	Fair	Stop; FT off KMS ON
C0701	07/31	15:18	Watch	SLING	4	Moderate	10	5	90	NO	Fair	waves building

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0702	07/31	15:43	Watch	SLING	3	Moderate	10	5	85	NO	Good	High 3; welding wall between 6 and 7 from basket
C0703	07/31	15:56	Watch	VIB	4	Moderate	10	5	85	NO	Fair	start sheets, Sea state fluctuating between 3/4
C0704	07/31	15:57	Watch	SLING	4	Moderate	10	5	85	NO	Fair	Stop
C0705	07/31	15:59	Watch	VIB	4	Moderate	10	5	85	NO	Fair	Start (sheets)
C0706	07/31	16:00	Watch	SLING	4	Moderate	10	5	85	NO	Fair	Stop
C0707	07/31	16:02	Watch	VIB	4	Moderate	10	5	85	NO	Fair	Start (sheets)
C0708	07/31	16:04	Watch	SLING	4	Moderate	10	5	85	NO	Fair	Stop
C0709	07/31	16:05	Watch	VIB	3	Moderate	10	10	90	NO	Good	Start (sheets)
C0710	07/31	16:06	Watch	SLING	3	Moderate	10	10	90	NO	Good	Stop
C0711	07/31	16:09	Watch	VIB	3	Moderate	10	10	90	NO	Good	Start (sheets)
C0712	07/31	16:14	Watch	SLING	4	Moderate	10	10	90	NO	Good	Stop
C0713	07/31	16:26	Watch	VIB	4	Moderate	10	10	90	NO	Good	Start (sheets)
C0714	07/31	16:27	Watch	SLING	4	Moderate	10	10	90	NO	Good	Stop
C0715	07/31	16:56	Watch	VIB/VIBR	4	Moderate	10	15	60	NO	Fair	Start (H-pile) continuous running of hammer driving an H-pile up and down to remove it from the template
C0716	07/31	17:10	Watch	SLING	5	Moderate	10	20	50	NO	Poor	Stop
C0717	07/31	17:23	Watch	VIB	5	Moderate	10	20	50	NO	Poor	Start (same H-pile as above)
C0718	07/31	17:25	Watch	SLING	5	Heavy	10	20	50	NO	Poor	Stop, High 5 seas increasing rapidly
C0719	07/31	17:39	Watch	SLING	5	Heavy	10	20	50	NO	Poor	Installing template
C0720	07/31	18:00	Watch	SLING	5	Moderate	10	25	40	NO	Poor	FT ON KMS OFF
C0721	07/31	18:25	Watch	POST	5	Moderate	10	25	40	NO	Poor	Finished pile driving for the day, start post-work clear.
C0722	07/31	18:55	End	POST	5	Moderate	10	25	40	NO	Poor	End of observations.
C0723	08/01	7:00	Start	PRE	1	None	10	0	80	NO	Excel	KMS on watch; Pre-work clear
C0724	08/01	7:30	Watch	SLING	2	None	10	0	80	NO	Excel	all clear
C0725	08/01	7:41	Watch	VIB	1	None	10	0	85	NO	Excel	Start (H-pile)
C0726	08/01	7:42	Watch	SLING	1	None	10	0	85	NO	Excel	Stop
C0727	08/01	7:44	Watch	VIB	1	None	10	0	85	NO	Excel	Start (H-pile)
C0728	08/01	7:46	Watch	SLING	1	None	10	0	85	NO	Excel	Stop
C0729	08/01	7:49	Watch	VIBR	1	None	10	0	85	NO	Excel	Start (H-pile)
C0730	08/01	7:50	Watch	SLING	1	None	10	0	85	NO	Excel	Stop
C0731	08/01	7:51	Watch	VIB	0	None	10	0	85	NO	Excel	Start (H-pile)
C0732	08/01	7:52	Watch	SLING	0	None	10	0	85	NO	Excel	Stop
C0733	08/01	7:56	Watch	VIBR	0	None	10	0	85	NO	Excel	Start (H-pile)

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0734	08/01	7:57	Watch	SLING	0	None	10	0	85	NO	Excel	Stop
C0735	08/01	8:00	Watch	VIB	0	None	10	0	85	NO	Excel	Start (H-pile)
C0736	08/01	8:01	Watch	SLING	1	None	10	0	85	NO	Excel	Stop
C0737	08/01	8:23	Watch	VIBR	1	None	10	0	85	NO	Excel	Start (H-pile)
C0738	08/01	8:24	Watch	SLING	1	None	10	0	85	NO	Excel	Stop
C0739	08/01	8:30	Watch	VIB	1	None	10	0	90	NO	Excel	Start (H-pile)
C0740	08/01	8:31	Watch	SLING	1	None	10	0	90	NO	Excel	Stop. crew welding in cell 8/9
C0741	08/01	9:04	Watch	SLING	1	None	10	5	75	NO	Excel	Installing template in cell 9
C0742	08/01	9:33	Watch	SLING	1	None	10	10	60	NO	Excel	
C0743	08/01	10:03	Watch	STAB	2	None	10	0	80	NO	Excel	Low 2; stabbing sheets
C0744	08/01	10:30	Watch	STAB	1	None	10	0	70	NO	Excel	
C0745	08/01	10:52	Watch	STAB	0	None	10	0	70	NO	Excel	
C0746	08/01	11:00	Watch	No Work	0	None	10	0	70	NO	Excel	KMS OFF, FT ON. Swalling having a meeting
C0747	08/01	11:17	Watch	STAB	0	None	10	0	70	NO	Excel	Stabbing sheets
C0748	08/01	11:30	Watch	No Work	0	None	10	0	75	NO	Excel	Swalling on break
C0749	08/01	12:00	Watch	PRE	0	None	10	0	75	NO	Excel	Break
C0750	08/01	12:24	Watch	PRE	0	None	9	0	75	NO	Excel	Preparing to drive
C0751	08/01	12:28	Watch	VIB	0	None	9	0	75	NO	Excel	Start driving sheets
C0752	08/01	12:29	Watch	SLING	1	None	9	0	75	NO	Excel	Stop
C0753	08/01	12:39	Watch	VIB	1	None	9	0	75	NO	Excel	Start
C0754	08/01	12:40	Watch	SLING	1	None	9	0	75	NO	Excel	Stop
C0755	08/01	13:15	Watch	STAB	1	None	9	0	75	NO	Excel	Stab sheets
C0756	08/01	13:30	Watch	STAB	2	Light	10	0	75	NO	Good	Wind picking up
C0757	08/01	13:53	Watch	VIB	3	Moderate	10	0	75	NO	Fair	Start driving sheets
C0758	08/01	13:54	Watch	SLING	3	Moderate	10	0	75	NO	Fair	Stop
C0759	08/01	14:01	Watch	VIB	3	Moderate	10	0	75	NO	Fair	Start driving
C0760	08/01	14:03	Watch	SLING	3	Moderate	10	0	75	NO	Fair	Stop
C0761	08/01	14:10	Watch	VIB	3	Moderate	10	0	75	NO	Fair	Start
C0762	08/01	14:11	Watch	STAB	3	Moderate	10	0	75	NO	Fair	Stop, starting stabbing sheets
C0763	08/01	14:40	Watch	STAB	3	Moderate	10	0	75	NO	Fair	Stabbing sheets, KMS ON; FT OFF
C0764	08/01	15:00	Watch	SLING	4	Moderate	10	5	40	NO	Fair	
C0765	08/01	15:12	Watch	VIB	4	Moderate	10	5	40	NO	Fair	Start (sheets)
C0766	08/01	15:14	Watch	SLING	4	Moderate	10	5	40	NO	Fair	Stop

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0767	08/01	15:26	Watch	VIB	4	Moderate	10	5	40	NO	Fair	Low 5 to the S; Start (sheets)
C0768	08/01	15:27	Watch	SLING	4	Moderate	10	5	40	NO	Fair	Stop
C0769	08/01	15:34	Watch	VIB	4	Moderate	10	5	40	NO	Fair	Start (sheets)
C0770	08/01	15:35	Watch	SLING	4	Moderate	10	5	40	NO	Fair	Stop
C0771	08/01	15:36	Watch	VIB	4	Moderate	10	5	40	NO	Fair	Start (sheets)
C0772	08/01	15:39	Watch	SLING	4	Moderate	10	5	40	NO	Fair	Stop
C0773	08/01	15:45	Watch	STAB	4	Moderate	10	5	40	NO	Fair	Stabbing sheets (low 4)
C0774	08/01	16:15	Watch	STAB	5	Moderate	10	15	15	NO	Fair	Low 5
C0775	08/01	16:43	Watch	VIB	5	Moderate	10	15	15	NO	Poor	Start (sheets)
C0776	08/01	16:45	Watch	SLING	5	Moderate	10	15	15	NO	Poor	Stop
C0777	08/01	16:52	Watch	VIB	5	Moderate	10	15	15	NO	Poor	Start (sheets)
C0778	08/01	16:53	Watch	SLING	5	Moderate	10	15	15	NO	Poor	Stop
C0779	08/01	17:02	Watch	VIB	5	Moderate	10	15	15	NO	Poor	Start (sheets)
C0780	08/01	17:03	Watch	SLING	5	Moderate	10	15	15	NO	Poor	Stop
C0781	08/01	17:09	Watch	VIB	5	Moderate	10	15	15	NO	Poor	Start (sheets)
C0782	08/01	17:10	Watch	SLING	5	Moderate	10	15	15	NO	Poor	Stop
C0783	08/01	17:13	Watch	STAB	5	Heavy	10	25	5	NO	Poor	Stabbing sheets
C0784	08/01	17:46	Watch	STAB	4	Moderate	10	25	5	NO	Fair	
C0785	08/01	18:00	Watch	STAB	4	Moderate	10	25	5	NO	Fair	KMS OFF, FT ON
C0786	08/01	18:04	Watch	VIB	4	Moderate	10	25	10	NO	Fair	Start driving sheets
C0787	08/01	18:06	Watch	SLING	4	Moderate	10	25	10	NO	Fair	Stop
C0788	08/01	18:17	Watch	VIB	4	Moderate	10	25	10	NO	Fair	Start
C0789	08/01	18:18	Watch	SLING	4	Moderate	10	25	10	NO	Fair	Stop
C0790	08/01	18:25	Watch	VIB	4	Moderate	10	25	10	NO	Fair	Start
C0791	08/01	18:26	Watch	SLING	4	Moderate	10	25	10	NO	Fair	Stop
C0792	08/01	18:31	Watch	VIB	4	Moderate	10	25	10	NO	Fair	Start
C0793	08/01	18:32	Watch	POST	4	Moderate	10	25	10	NO	Fair	Swalling finished pile driving for the day/ Start 30 mins POST watch
C0794	08/01	19:02	End	POST	4	Moderate	10	25	10	NO	Fair	END of observations.
C0795	08/03	7:00	Start	PRE	1	None	5	0	100	DR	Good	KMS ON; Start pre work clear
C0796	08/03	7:30	Watch	STAB	1	None	6	0	100	NO	Good	all clear: Stabbing sheets
C0797	08/03	8:00	Watch	STAB	1	None	7	0	100	NO	Excel	
C0798	08/03	8:30	Watch	VIB	1	None	8.5	0	100	NO	Excel	Start (sheets and y-pile)
C0799	08/03	8:32	Watch	SLING	1	None	8.5	0	100	NO	Excel	Stop

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0800	08/03	8:40	Watch	STAB	1	None	8.5	0	100	NO	Excel	
C0801	08/03	9:10	Watch	SLING	1	None	8.5	0	100	NO	Excel	
C0802	08/03	9:26	Watch	VIB	1	None	8.5	0	100	NO	Excel	Start (sheets)
C0803	08/03	9:27	Watch	SLING	1	None	8.5	0	100	NO	Excel	Stop
C0804	08/03	9:33	Watch	VIB	1	None	8.5	0	100	NO	Excel	Start
C0805	08/03	9:34	Watch	SLING	1	None	8.5	0	100	NO	Excel	Stop
C0806	08/03	9:39	Watch	STAB	1	None	8.5	0	100	NO	Excel	
C0807	08/03	10:10	Watch	STAB	1	None	10	0	100	NO	Excel	
C0808	08/03	10:39	Watch	SLING	1	None	10	0	100	NO	Excel	
C0809	08/03	10:51	Watch	VIB	1	None	10	0	100	NO	Excel	Start (sheets)
C0810	08/03	10:52	Watch	SLING	1	None	10	0	100	NO	Excel	Stop
C0811	08/03	11:00	Watch	VIB	1	None	10	0	100	NO	Excel	FT ON KMS OFF, Start (sheets)
C0812	08/03	11:01	Watch	SLING	1	None	10	0	100	NO	Excel	Stop
C0813	08/03	11:20	Watch	STAB	1	None	10	0	100	NO	Excel	Stabbing sheets
C0814	08/03	11:52	Watch	No Work	1	None	10	0	100	NO	Excel	Swalling on break
C0815	08/03	12:22	Watch	PRE	1	None	10	0	100	NO	Excel	Back to work, stabbing sheets in 9/10
C0816	08/03	12:47	Watch	VIB	1	None	10	0	60	NO	Excel	Start (sheets)
C0817	08/03	12:48	Watch	SLING	1	None	10	0	60	NO	Excel	Stop
C0818	08/03	12:54	Watch	VIB	1	None	10	0	60	NO	Excel	Start (sheets)
C0819	08/03	12:55	Watch	SLING	1	None	10	0	60	NO	Excel	Stop
C0820	08/03	13:00	Watch	VIB	1	None	10	0	60	NO	Excel	Start (sheets)
C0821	08/03	13:01	Watch	SLING	1	None	10	0	60	NO	Excel	Stop
C0822	08/03	13:05	Watch	VIB	1	None	10	0	60	NO	Excel	Start (sheets)
C0823	08/03	13:06	Watch	SLING	1	None	10	0	60	NO	Excel	Stop
C0824	08/03	13:38	Watch	SLING	0	None	10	0	50	NO	Excel	Sling anchor pile into place
C0825	08/03	13:43	Watch	VIB	0	None	10	0	50	NO	Excel	Start (anchor pile)
C0826	08/03	13:44	Watch	SLING	0	None	10	0	50	NO	Excel	Stop
C0827	08/03	13:55	Watch	VIB	0	None	10	0	50	NO	Excel	Start (sheets)
C0828	08/03	13:56	Watch	SLING	0	None	10	0	60	NO	Excel	Stop
C0829	08/03	14:06	Watch	VIB	0	None	10	0	60	NO	Excel	Start (sheets)
C0830	08/03	14:07	Watch	SLING	0	None	10	0	60	NO	Excel	Stop
C0831	08/03	14:18	Watch	VIB	0	None	10	0	60	NO	Excel	Start (sheets)
C0832	08/03	14:19	Watch	SLING	0	None	10	0	60	NO	Excel	Stop

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0833	08/03	14:25	Watch	VIB	0	None	10	0	60	NO	Excel	Start (sheets)
C0834	08/03	14:26	Watch	SLING	0	None	10	0	60	NO	Excel	Stop
C0835	08/03	14:31	Watch	VIB	0	None	10	0	60	NO	Excel	Start (sheets)
C0836	08/03	14:32	Watch	SLING	0	None	10	0	60	NO	Excel	Stop
C0837	08/03	14:42	Watch	VIB	0	None	10	0	60	NO	Excel	Start (sheets)
C0838	08/03	14:43	Watch	SLING	0	None	10	0	60	NO	Excel	Stop
C0839	08/03	14:46	Watch	VIB	0	None	10	0	60	NO	Excel	Start (sheets)
C0840	08/03	14:47	Watch	SLING	0	None	10	0	60	NO	Excel	Stop
C0841	08/03	14:48	Watch	VIB	0	None	10	0	60	NO	Excel	Start (sheets)
C0842	08/03	14:49	Watch	SLING	0	None	10	0	60	NO	Excel	Stop
C0843	08/03	15:00	Watch	SLING	2	None	10	0	85	NO	Excel	FT OFF, KMS ON
C0844	08/03	15:30	Watch	SLING	3	Light	10	0	60	NO	Good	Low 3
C0845	08/03	16:03	Watch	SLING	3	Moderate	10	10	25	NO	Good	
C0846	08/03	16:30	Watch	SLING	3	Moderate	10	20	15	NO	Good	
C0847	08/03	16:50	Watch	No Work	3	Moderate	10	25	10	NO	Good	Swalling on break. High 3
C0848	08/03	17:08	Watch	VIB	3	Moderate	10	25	10	NO	Good	Start (sheets)
C0849	08/03	17:09	Watch	SLING	4	Moderate	10	20	10	NO	Fair	Stop, Low 4
C0850	08/03	17:13	Watch	VIB	4	Moderate	10	20	10	NO	Fair	Start (sheets)
C0851	08/03	17:14	Watch	SLING	4	Moderate	10	20	10	NO	Fair	Stop
C0852	08/03	17:17	Watch	VIB	4	Moderate	10	20	10	NO	Fair	Start (sheets)
C0853	08/03	17:18	Watch	SLING	4	Moderate	10	20	10	NO	Fair	Stop
C0854	08/03	17:20	Watch	VIB	4	Moderate	10	20	10	NO	Fair	Start (sheets)
C0855	08/03	17:21	Watch	SLING	4	Moderate	10	20	10	NO	Fair	Stop
C0856	08/03	17:25	Watch	VIB	4	Moderate	10	20	15	NO	Fair	Start (sheets) VIB hammer turning on and off every few seconds
C0857	08/03	17:35	Watch	SLING	4	Moderate	10	20	15	NO	Fair	Stop
C0858	08/03	17:38	Watch	VIB	4	Moderate	10	20	15	NO	Fair	Start (sheets)
C0859	08/03	17:39	Watch	SLING	4	Moderate	10	20	15	NO	Fair	Stop
C0860	08/03	17:45	Watch	VIB	4	Moderate	10	20	15	NO	Fair	Start (sheets)
C0861	08/03	17:46	Watch	SLING	4	Moderate	10	20	15	NO	Fair	Stop- last pile drive of the day.
C0862	08/03	18:00	Watch	POST	4	Moderate	10	20	15	NO	Fair	FT ON KMS OFF, Swalling working on template on dock
C0863	08/03	18:30	Watch	POST	4	Moderate	10	20	15	NO	Fair	No over water work
C0864	08/03	18:46	End	POST	4	Moderate	10	20	15	NO	Fair	End of observations for the day
C0865	08/04	7:00	Start	PRE	6	Heavy	9	10	10	NO	Poor	KMS on: start am clear- windy

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0866	08/04	7:30	Watch	PRE	6	Heavy	9	10	10	NO	Poor	"am clear"
C0867	08/04	8:00	Watch	VIB/VIBR	6	Heavy	9	15	5	NO	Poor	Start (Continuously driving H-pile in and out to remove from the template)
C0868	08/04	8:14	Watch	SLING	6	Heavy	9	15	5	NO	Poor	Stop
C0869	08/04	8:24	Watch	VIB	6	Heavy	9	15	5	NO	Poor	Start (H-pile)
C0870	08/04	8:26	Watch	SLING	6	Heavy	9	15	5	NO	Poor	Stop
C0871	08/04	8:58	Watch	SLING	6	Heavy	10	10	5	NO	Poor	Installing template in cell 10
C0872	08/04	9:30	Watch	SLING	6	Heavy	10	5	15	NO	Poor	
C0873	08/04	10:02	Watch	SLING	6	Heavy	10	5	15	NO	Poor	
C0874	08/04	10:39	Watch	VIBR	6	Heavy	10	0	10	NO	Poor	Start (removing H-pile to relocate)
C0875	08/04	10:40	Watch	SLING	6	Heavy	10	0	10	NO	Poor	Stop
C0876	08/04	10:46	Watch	VIB	6	Heavy	10	0	10	NO	Poor	Start (H-pile)
C0877	08/04	10:47	Watch	SLING	6	Heavy	10	0	10	NO	Poor	Stop
C0878	08/04	10:53	Watch	VIBR	6	Heavy	10	0	10	NO	Poor	Start (H-pile)
C0879	08/04	10:54	Watch	SLING	6	Heavy	10	0	10	NO	Poor	Stop
C0880	08/04	10:58	Watch	VIB	6	Heavy	10	0	10	NO	Poor	Start (H-pile)
C0881	08/04	10:59	Watch	SLING	6	Heavy	10	0	10	NO	Poor	Stop
C0882	08/04	11:00	Watch	SLING	6	Heavy	10	0	10	NO	Poor	KMS off; FT on
C0883	08/04	11:30	Watch	SLING	6	Heavy	10	0	10	NO	Poor	
C0884	08/04	11:50	Watch	No Work	6	Heavy	10	0	10	NO	Poor	Swalling on break
C0885	08/04	12:30	Watch	SLING	6	Heavy	8	0	10	NO	Poor	Swalling back, placing template cell 10
C0886	08/04	13:00	Watch	STAB	6	Heavy	8	0	10	NO	Poor	
C0887	08/04	13:30	Watch	STAB	6	Heavy	8	0	10	NO	Poor	
C0888	08/04	14:00	Watch	PRE	6	Heavy	8	0	10	NO	Poor	preparing to drive sheets
C0889	08/04	14:33	Watch	VIB	6	Heavy	8	0	10	NO	Poor	Start (sheets)
C0890	08/04	14:34	Watch	SLING	6	Heavy	8	0	10	NO	Poor	Stop
C0891	08/04	14:41	Watch	VIB	6	Heavy	8	0	10	NO	Poor	Start (sheets)
C0892	08/04	14:42	Watch	SLING	6	Heavy	8	0	10	NO	Poor	Stop
C0893	08/04	15:00	Watch	STAB	6	Heavy	8	0	5	NO	Poor	KMS ON; FT off
C0894	08/04	15:29	Watch	VIB	6	Heavy	8	10	5	NO	Poor	Start (sheets)
C0895	08/04	15:30	Watch	SLING	6	Heavy	8	10	5	NO	Poor	Stop
C0896	08/04	15:35	Watch	VIB	6	Heavy	8	10	5	NO	Poor	Start (sheets)
C0897	08/04	15:36	Watch	SLING	6	Heavy	8	10	5	NO	Poor	Stop
C0898	08/04	15:41	Watch	STAB	6	Heavy	8	10	5	NO	Poor	

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0899	08/04	16:13	Watch	STAB	6	Heavy	8	15	10	NO	Poor	
C0900	08/04	16:26	Watch	VIB	6	Heavy	8	15	10	NO	Poor	Start (sheets)
C0901	08/04	16:27	Watch	SLING	6	Heavy	8	15	10	NO	Poor	Stop
C0902	08/04	16:32	Watch	VIB	6	Heavy	8	15	10	NO	Poor	Start (sheets)
C0903	08/04	16:33	Watch	STAB	6	Heavy	8	15	10	NO	Poor	Stop
C0904	08/04	16:55	Watch	STAB	6	Heavy	8	15	10	NO	Poor	
C0905	08/04	17:26	Watch	STAB	6	Heavy	8	15	10	NO	Poor	
C0906	08/04	17:39	Watch	VIB	6	Heavy	8	15	10	NO	Poor	Start (sheets) 4 seals in the area
C0907	08/04	17:41	Watch	SLING	6	Heavy	8	15	10	NO	Poor	Stop
C0908	08/04	17:47	Watch	VIB	6	Heavy	8	15	10	NO	Poor	Start (Sheets)
C0909	08/04	17:48	Watch	SLING	6	Heavy	8	15	10	NO	Poor	Stop
C0910	08/04	18:04	Watch	VIB	6	Heavy	8	15	10	NO	Poor	FT ON Start (sheets)
C0911	08/04	18:05	Watch	SLING	6	Heavy	8	15	10	NO	Poor	Stop
C0912	08/04	18:08	Watch	VIB	6	Heavy	8	15	10	NO	Poor	Start (sheets)
C0913	08/04	18:09	Watch	SLING	6	Heavy	8	15	10	NO	Poor	Stop
C0914	08/04	18:11	Watch	VIB	6	Heavy	8	15	10	NO	Poor	Start (Sheets)
C0915	08/04	18:12	Watch	SLING	6	Heavy	8	15	10	NO	Poor	Stop- last pile drive
C0916	08/04	18:13	Watch	POST	6	Heavy	8	15	10	NO	Poor	Start 30 mins POST
C0917	08/04	18:43	End	POST	6	Heavy	8	15	10	NO	Poor	End of observations
C0918	08/05	7:01	Start	PRE	2	None	10	15	10	NO	Excel	KMS ON: am clear; Intense glare to the N
C0919	08/05	7:31	Watch	STAB	2	None	10	10	10	NO	Excel	All clear; stabbing sheets
C0920	08/05	8:00	Watch	STAB	2	None	10	5	5	NO	Excel	
C0921	08/05	8:30	Watch	STAB	1	None	10	5	10	NO	Excel	
C0922	08/05	9:07	Watch	VIB	1	None	10	5	15	NO	Excel	Start (sheets); at least 4 seals in the area. not in exclusion zone.
C0923	08/05	9:10	Watch	SLING	1	None	10	5	15	NO	Excel	Stop
C0924	08/05	9:16	Watch	VIB	1	None	10	5	15	NO	Excel	Start (sheets)
C0925	08/05	9:18	Watch	SLING	1	None	10	5	15	NO	Excel	stop
C0926	08/05	9:24	Watch	VIB	1	None	10	5	25	NO	Excel	Start (Sheets)
C0927	08/05	9:25	Watch	STAB	1	None	10	5	25	NO	Excel	Stop
C0928	08/05	9:59	Watch	STAB	1	None	10	5	5	NO	Excel	
C0929	08/05	10:05	Watch	VIB	1	None	10	5	5	NO	Excel	Start (Sheets and y pile)
C0930	08/05	10:06	Watch	SLING	1	None	10	5	5	NO	Excel	Stop
C0931	08/05	10:12	Watch	VIB	1	None	10	5	5	NO	Excel	Start (sheets)

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0932	08/05	10:14	Watch	STAB	1	None	10	5	5	NO	Excel	Stop
C0933	08/05	10:42	Watch	STAB	2	None	10	5	5	NO	Excel	Low 2
C0934	08/05	10:51	Watch	VIB	1	None	10	5	5	NO	Excel	Start (sheets)
C0935	08/05	10:53	Watch	SLING	1	None	10	5	5	NO	Excel	Stop
C0936	08/05	10:57	Watch	VIB	1	None	10	5	5	NO	Excel	Start (sheets)
C0937	08/05	10:58	Watch	SLING	1	None	10	5	5	NO	Excel	Stop FT ON KMS OFF
C0938	08/05	11:00	Watch	VIB	1	None	10	5	5	NO	Excel	Start (sheets)
C0939	08/05	11:01	Watch	SLING	1	None	10	5	5	NO	Excel	Stop
C0940	08/05	11:24	Watch	STAB	1	None	10	0	20	NO	Excel	
C0941	08/05	11:40	Watch	No Work	0	None	10	0	20	NO	Excel	Swalling on break
C0942	08/05	12:16	Watch	No Work	0	None	10	0	20	NO	Excel	Break
C0943	08/05	12:30	Watch	STAB	0	None	10	0	20	NO	Excel	Back to work, stabbing sheets
C0944	08/05	12:39	Watch	VIB	0	None	10	0	20	NO	Excel	Start (Sheets)
C0945	08/05	12:40	Watch	SLING	0	None	10	0	20	NO	Excel	Stop
C0946	08/05	12:45	Watch	VIB	0	None	10	0	20	NO	Excel	Start (Sheets)
C0947	08/05	12:46	Watch	SLING	0	None	10	0	10	NO	Excel	Stop
C0948	08/05	12:52	Watch	VIB	0	None	10	0	10	NO	Excel	Start (Sheets)
C0949	08/05	12:53	Watch	SLING	0	None	10	0	10	NO	Excel	Stop
C0950	08/05	12:56	Watch	VIB	0	None	10	0	10	NO	Excel	Start (sheets)
C0951	08/05	12:57	Watch	SLING	0	None	10	0	10	NO	Excel	Stop
C0952	08/05	13:30	Watch	SLING	0	None	10	0	10	NO	Excel	
C0953	08/05	13:55	Watch	VIB	0	None	10	0	10	NO	Excel	Start (anchor pile)
C0954	08/05	13:56	Watch	SLING	0	None	10	0	10	NO	Excel	Stop
C0955	08/05	14:00	Watch	VIB	0	None	10	0	10	NO	Excel	Start (sheets) VIB on and off
C0956	08/05	14:02	Watch	SLING	0	None	10	0	10	NO	Excel	Stop
C0957	08/05	14:07	Watch	VIB	0	None	10	0	10	NO	Excel	Start (Sheets)
C0958	08/05	14:08	Watch	SLING	0	None	10	0	10	NO	Excel	Stop
C0959	08/05	14:12	Watch	VIB	0	None	10	0	10	NO	Excel	Start (Sheets)
C0960	08/05	14:13	Watch	SLING	0	None	10	0	10	NO	Excel	Stop
C0961	08/05	14:16	Watch	VIB	0	None	10	0	10	NO	Excel	Start (Sheets)
C0962	08/05	14:17	Watch	SLING	0	None	10	0	10	NO	Excel	Stop
C0963	08/05	14:18	Watch	VIB	0	None	10	0	10	NO	Excel	Start (sheets)
C0964	08/05	14:19	Watch	SLING	0	None	10	0	10	NO	Excel	Stop

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0965	08/05	14:21	Watch	VIB	0	None	10	0	10	NO	Excel	Start (sheets)
C0966	08/05	14:22	Watch	SLING	0	None	10	0	10	NO	Excel	Stop
C0967	08/05	14:24	Watch	VIB	0	None	10	0	10	NO	Excel	Start (sheets)
C0968	08/05	14:25	Watch	SLING	0	None	10	0	10	NO	Excel	Stop
C0969	08/05	14:30	Watch	VIB	1	None	10	0	10	NO	Excel	Start Y-pile
C0970	08/05	14:31	Watch	SLING	1	None	10	0	10	NO	Excel	Stop
C0971	08/05	14:46	Watch	VIB	1	None	10	0	10	NO	Excel	Start (sheets)
C0972	08/05	14:47	Watch	SLING	1	None	10	0	60	NO	Excel	Stop
C0973	08/05	14:54	Watch	VIB	1	None	10	0	60	NO	Excel	Start (sheets)
C0974	08/05	14:55	Watch	SLING	1	None	10	0	60	NO	Excel	Stop
C0975	08/05	15:02	Watch	SLING	1	None	10	0	100	NO	Excel	FT OFF; KMS ON
C0976	08/05	15:30	Watch	SLING	2	None	10	0	100	NO	Excel	Low 2
C0977	08/05	16:00	Watch	No Work	2	None	10	0	100	NO	Excel	no over water work
C0978	08/05	16:24	Watch	SLING	2	None	10	0	100	NO	Excel	removing template from cell 9
C0979	08/05	16:50	Watch	SLING	2	None	10	0	100	NO	Excel	
C0980	08/05	17:03	Watch	VIB	2	None	10	0	100	NO	Excel	Start (sheets)
C0981	08/05	17:04	Watch	SLING	2	None	10	0	100	NO	Excel	Stop
C0982	08/05	17:09	Watch	VIB	2	None	10	0	100	NO	Excel	Start (sheets)
C0983	08/05	17:11	Watch	SLING	2	None	10	0	100	NO	Excel	Stop
C0984	08/05	17:12	Watch	VIB	2	None	10	0	100	NO	Excel	Start (sheets)
C0985	08/05	17:15	Watch	SLING	2	None	10	0	100	NO	Excel	Stop
C0986	08/05	17:16	Watch	VIB	2	None	10	0	100	NO	Excel	Start (sheets + anchor)
C0987	08/05	17:18	Watch	SLING	2	None	10	0	100	NO	Excel	Stop
C0988	08/05	17:19	Watch	VIB	2	None	10	0	100	NO	Excel	Start (sheets)
C0989	08/05	17:20	Watch	SLING	2	None	10	0	100	NO	Excel	Stop
C0990	08/05	17:22	Watch	VIB	1	None	10	5	95	NO	Excel	Start (sheets)
C0991	08/05	17:23	Watch	SLING	1	None	10	5	95	NO	Excel	Stop
C0992	08/05	17:42	Watch	VIB/VIBR	1	None	10	5	95	NO	Excel	Start (moving H-pile from template-VIB/VIBR in and out continuously)
C0993	08/05	17:48	Watch	SLING	1	None	10	5	95	NO	Excel	Stop
C0994	08/05	17:58	Watch	VIB	1	None	10	5	95	NO	Excel	Start (H-pile) KMS OFF FT ON
C0995	08/05	18:00	Watch	SLING	1	None	10	5	95	NO	Excel	Stop
C0996	08/05	18:06	Watch	VIBR	1	None	10	5	95	NO	Excel	Start- H-pile from cell 10
C0997	08/05	18:07	Watch	SLING	1	None	10	5	95	NO	Excel	Stop

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C0998	08/05	18:10	Watch	VIB	1	None	10	5	95	NO	Excel	Start driving H-pile in cell 12
C0999	08/05	18:11	Watch	SLING	1	None	10	5	95	NO	Excel	Stop
C1000	08/05	18:13	Watch	VIBR	1	None	10	5	95	NO	Excel	Start- H-Pile from cell 10
C1001	08/05	18:14	Watch	SLING	1	None	10	5	95	NO	Excel	Stop
C1002	08/05	18:16	Watch	VIB	1	None	10	5	95	NO	Excel	Start driving H pile in cell 12
C1003	08/05	18:17	Watch	SLING	1	None	10	5	95	NO	Excel	Stop
C1004	08/05	18:21	Watch	VIB	1	None	10	5	95	NO	Excel	Start (Sheets)
C1005	08/05	18:22	Watch	SLING	1	None	10	5	95	NO	Excel	Stop Last pile drive of the day
C1006	08/05	18:29	Watch	POST	1	None	10	5	95	NO	Excel	Post 30 min watch
C1007	08/05	19:00	End	POST	1	None	10	5	95	NO	Excel	End of observations
C1008	08/06	11:30	Start	PRE	2	Light	10	0	100	NO	Good	FT ON Start pre am clear/ starting late due to Swalling waiting for surveyor. Station moved for better view of shutdown zone as work moves along dock.
C1009	08/06	11:43	Watch	PRE	2	Light	10	0	100	NO	Good	ALL stations begin PRE clearance. Observing connex moved to have better view of exclusion zone as the operations move North.
C1010	08/06	12:13	Watch	No Work	2	Light	10	0	100	DR	Good	ALL clear/ no over water work
C1011	08/06	12:44	Watch	No Work	2	Light	10	0	100	DR	Good	Surveyor working on dock with swalling
C1012	08/06	13:00	Watch	SLING	2	Light	10	0	100	DR	Good	Placing template in cell 11
C1013	08/06	13:30	Watch	Other	2	Light	8	0	100	MULT	Fair	Swalling surveyor measuring on template over water/ Rain + fog
C1014	08/06	14:00	Watch	SLING	1	None	8	0	100	LTRN	Fair	working on template
C1015	08/06	14:30	Watch	SLING	1	None	8	0	100	LTRN	Fair	Welding on template
C1016	08/06	15:00	Watch	SLING	1	None	8	0	100	DR	Good	KMS ON FT OFF
C1017	08/06	15:30	Watch	SLING	1	None	9	0	95	NO	Excel	
C1018	08/06	16:05	Watch	VIBR	2	None	9	0	100	NO	Good	Start (remove H-pile)
C1019	08/06	16:06	Watch	SLING	2	None	9	0	100	NO	Good	Stop
C1020	08/06	16:15	Watch	VIB	2	None	9	0	100	NO	Good	Start (H-pile)
C1021	08/06	16:16	Watch	SLING	2	None	9	0	100	NO	Good	Stop
C1022	08/06	16:21	Watch	VIBR	2	None	9	0	100	NO	Good	Start (H-pile)
C1023	08/06	16:23	Watch	SLING	2	None	9	0	100	NO	Good	Stop
C1024	08/06	16:26	Watch	VIB	2	None	9	0	100	NO	Good	Start (H-pile)
C1025	08/06	16:27	Watch	SLING	2	None	9	0	100	NO	Good	Stop
C1026	08/06	16:34	Watch	VIBR	2	None	9	0	100	NO	Good	Start (H-pile)
C1027	08/06	16:35	Watch	SLING	2	None	9	0	100	NO	Good	Stop
C1028	08/06	16:36	Watch	VIB	2	None	9	0	100	NO	Good	Start (H-pile)
C1029	08/06	16:37	Watch	SLING	1	None	10	0	95	NO	Excel	Stop- Last pile of the day/Welding from crane basket.

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1030	08/06	17:04	Watch	POST	1	None	10	5	90	NO	Excel	No over water work
C1031	08/06	17:35	Watch	POST	1	None	10	0	95	NO	Excel	Crew working on land
C1032	08/06	17:43	Watch	POST	1	None	10	0	95	NO	Excel	removing silt curtain with crane
C1033	08/06	18:00	Watch	POST	1	None	10	0	95	NO	Excel	FT ON KMS OFF
C1034	08/06	18:30	Watch	POST	1	None	10	10	80	NO	Excel	
C1035	08/06	19:00	End	POST	1	None	10	5	80	NO	Excel	End of observations
C1036	08/07	7:00	Start	PRE	1	None	10	0	90	NO	Excel	KMS on, start am clear
C1037	08/07	7:30	Watch	SLING	1	None	10	0	95	NO	Excel	All clear from 3 stations, Installing new silt curtain
C1038	08/07	8:00	Watch	SLING	1	None	10	10	85	NO	Excel	
C1039	08/07	8:29	Watch	SLING	1	None	10	0	95	NO	Excel	Installing template in cell 11
C1040	08/07	8:59	Watch	SLING	1	None	10	0	95	NO	Excel	
C1041	08/07	9:30	Watch	SLING	1	None	10	0	80	NO	Excel	
C1042	08/07	9:51	Watch	STAB	1	None	10	0	85	NO	Excel	Stabbing sheets
C1043	08/07	10:21	Watch	STAB	1	None	10	0	95	NO	Excel	
C1044	08/07	10:42	Watch	VIB	1	None	10	0	95	NO	Excel	Start (sheets)
C1045	08/07	10:44	Watch	SLING	1	None	10	0	95	NO	Excel	Stop
C1046	08/07	10:50	Watch	VIB	1	None	10	0	95	NO	Excel	Start (sheets)
C1047	08/07	10:51	Watch	SLING	1	None	10	0	95	NO	Excel	Stop
C1048	08/07	11:00	Watch	SLING	1	None	10	0	95	NO	Excel	FT ON KMS OFF
C1049	08/07	11:17	Watch	STAB	1	None	10	0	95	NO	Excel	
C1050	08/07	11:40	Watch	No Work	1	None	10	0	95	NO	Excel	Swalling break
C1051	08/07	12:18	Watch	STAB	2	Light	10	0	100	NO	Good	Back to work, stabbing sheets
C1052	08/07	12:31	Watch	VIB	2	Light	10	0	100	NO	Good	Start (sheets)
C1053	08/07	12:32	Watch	SLING	2	Light	10	0	100	NO	Good	Stop
C1054	08/07	12:38	Watch	VIB	2	Light	10	0	100	NO	Good	Start (sheets)
C1055	08/07	12:39	Watch	SLING	2	Light	10	0	100	NO	Good	Stop
C1056	08/07	12:53	Watch	Other	2	Light	10	0	100	NO	Good	preparing to install new silt net
C1057	08/07	13:25	Watch	No Work	2	Light	10	0	100	NO	Good	
C1058	08/07	14:00	Watch	No Work	3	Light	10	0	90	NO	Fair	
C1059	08/07	14:10	Watch	STAB	3	Light	10	0	95	NO	Fair	
C1060	08/07	14:55	Watch	VIB	3	Light	10	0	95	NO	Fair	Start (sheets)
C1061	08/07	14:56	Watch	SLING	3	Light	10	0	95	NO	Fair	Stop
C1062	08/07	15:00	Watch	VIB	3	Moderate	10	0	100	NO	Fair	Start (sheets) KMS ON FT OFF

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1063	08/07	15:02	Watch	SLING	3	Moderate	10	0	100	NO	Fair	Stop
C1064	08/07	15:07	Watch	VIB	3	Moderate	10	0	100	NO	Fair	Start (sheets)
C1065	08/07	15:08	Watch	SLING	3	Moderate	10	0	100	NO	Fair	Stop
C1066	08/07	15:13	Watch	VIB	3	Moderate	10	0	100	NO	Fair	Start (sheets)
C1067	08/07	15:14	Watch	SLING	3	Moderate	10	0	100	NO	Fair	Stop
C1068	08/07	15:23	Watch	STAB	3	Moderate	10	0	100	NO	Fair	
C1069	08/07	15:55	Watch	STAB	3	Light	8	0	100	NO	Fair	
C1070	08/07	16:29	Watch	VIB	3	Moderate	8	0	100	NO	Fair	Start (sheets)
C1071	08/07	16:31	Watch	SLING	3	Moderate	8	0	100	NO	Fair	Stop
C1072	08/07	16:36	Watch	VIB	3	Moderate	8	0	100	NO	Fair	Start (sheets)
C1073	08/07	16:38	Watch	SLING	3	Moderate	8	0	100	NO	Fair	Stop
C1074	08/07	16:47	Watch	VIB	3	Moderate	8	0	100	NO	Fair	Start (sheets)
C1075	08/07	16:49	Watch	SLING	3	Moderate	8	0	100	NO	Fair	Stop
C1076	08/07	16:51	Watch	STAB	3	Moderate	8	0	100	NO	Fair	
C1077	08/07	17:21	Watch	STAB	3	Light	9	0	100	NO	Good	
C1078	08/07	17:51	Watch	VIB	3	Light	9	0	100	NO	Good	Start (sheets)
C1079	08/07	17:53	Watch	SLING	3	Light	9	0	100	NO	Good	Stop
C1080	08/07	18:00	Watch	VIB	3	Light	9	0	100	NO	Good	Start, FT ON KMS OFF
C1081	08/07	18:01	Watch	SLING	3	Light	9	0	100	NO	Good	Stop
C1082	08/07	18:08	Watch	VIB	3	Light	9	0	100	NO	Good	Start (sheets)
C1083	08/07	18:09	Watch	SLING	3	Light	9	0	100	NO	Good	Stop/ Last pile drive of the day
C1084	08/07	18:30	Watch	POST	3	Light	9	0	100	NO	Good	
C1085	08/07	19:00	End	POST	3	Light	9	0	100	NO	Good	End of observations
C1086	08/08	7:00	Start	PRE	2	Light	8	0	100	NO	Good	KMS on, Start am clear
C1087	08/08	7:30	Watch	STAB	2	Light	9	0	95	NO	Good	All clear
C1088	08/08	8:02	Watch	STAB	3	Light	9	0	95	NO	Good	Low 3
C1089	08/08	8:17	Watch	VIB	2	Light	9	0	95	NO	Good	Start (sheets)
C1090	08/08	8:19	Watch	SLING	2	Light	9	0	95	NO	Good	Stop
C1091	08/08	8:33	Watch	VIB	2	Light	9	0	95	NO	Good	Start (sheets)
C1092	08/08	8:34	Watch	SLING	2	Light	9	0	95	NO	Good	Stop
C1093	08/08	8:40	Watch	VIB	2	Light	9	0	95	NO	Good	Start (sheets + y-pile)
C1094	08/08	8:42	Watch	STAB	2	Light	9	0	95	NO	Good	Stop
C1095	08/08	9:22	Watch	VIB	2	Light	9	0	95	NO	Good	Start (sheets)

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1096	08/08	9:23	Watch	SLING	2	Light	9	0	95	NO	Good	Stop
C1097	08/08	9:28	Watch	VIB	2	Light	9	0	95	NO	Good	Start (sheets)
C1098	08/08	9:30	Watch	SLING	2	Light	9	0	95	NO	Good	Stop
C1099	08/08	9:36	Watch	VIB	2	Light	9	0	95	NO	Good	Start (sheets)
C1100	08/08	9:37	Watch	SLING	2	Light	9	0	95	NO	Good	Stop
C1101	08/08	9:41	Watch	STAB	2	Light	9	0	95	NO	Good	
C1102	08/08	10:16	Watch	VIB	2	Light	9	0	100	NO	Good	Start (sheets)
C1103	08/08	10:17	Watch	SLING	2	Light	9	0	100	NO	Good	Stop
C1104	08/08	10:21	Watch	VIB	2	Light	9	0	100	NO	Good	Start (sheets)
C1105	08/08	10:22	Watch	SLING	2	Light	9	0	100	NO	Good	Stop
C1106	08/08	10:28	Watch	VIB	2	Light	9	0	100	NO	Good	Start (sheets)
C1107	08/08	10:29	Watch	SLING	2	Light	9	0	100	NO	Good	Stop
C1108	08/08	10:34	Watch	VIB	2	Light	9	0	100	NO	Good	Start (sheets)
C1109	08/08	10:35	Watch	SLING	2	Light	9	0	100	NO	Good	Stop
C1110	08/08	10:39	Watch	VIBR	2	None	9	0	100	NO	Good	Start (remove H-pile)
C1111	08/08	10:40	Watch	SLING	2	None	9	0	100	NO	Good	Stop
C1112	08/08	10:41	Watch	VIB	2	None	9	0	100	NO	Good	Start (H-pile)
C1113	08/08	10:42	Watch	SLING	2	None	9	0	100	NO	Good	Stop
C1114	08/08	10:52	Watch	STAB	2	None	9	0	100	NO	Good	
C1115	08/08	11:00	Watch	STAB	2	None	9	0	100	NO	Good	KMS OFF, FT' ON
C1116	08/08	11:30	Watch	STAB	2	None	9	0	100	NO	Good	
C1117	08/08	12:00	Watch	No Work	2	None	9	0	100	NO	Good	Swalling on break
C1118	08/08	12:19	Watch	SLING	2	None	9	0	100	NO	Good	Sling anchor pile
C1119	08/08	12:40	Watch	SLING	2	None	9	0	100	NO	Good	welding on template
C1120	08/08	12:56	Watch	VIB	2	None	10	0	100	NO	Good	Start (sheets) on and off
C1121	08/08	12:58	Watch	SLING	2	None	10	0	100	NO	Good	Stop
C1122	08/08	13:04	Watch	VIB	2	None	10	0	100	NO	Good	Start (sheets)
C1123	08/08	13:05	Watch	SLING	2	None	10	0	100	NO	Good	Stop
C1124	08/08	13:11	Watch	VIB	2	None	10	0	100	NO	Good	Start (sheets)
C1125	08/08	13:12	Watch	SLING	2	None	10	0	100	NO	Good	Stop
C1126	08/08	13:14	Watch	VIB	2	None	10	0	100	NO	Good	Start (sheets)
C1127	08/08	13:15	Watch	SLING	2	None	10	0	100	NO	Good	Stop
C1128	08/08	13:18	Watch	VIB	2	None	10	0	100	NO	Good	Start (anchor)

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1129	08/08	13:19	Watch	SLING	2	None	10	0	100	NO	Good	Stop
C1130	08/08	13:22	Watch	VIB	2	None	10	0	100	NO	Good	Start (sheets)
C1131	08/08	13:23	Watch	SLING	2	None	10	0	100	NO	Good	Stop
C1132	08/08	13:24	Watch	VIB	2	None	10	0	100	NO	Good	Start (sheets)
C1133	08/08	13:25	Watch	SLING	2	None	10	0	100	NO	Good	Stop
C1134	08/08	13:26	Watch	VIB	2	None	10	0	100	NO	Good	Start (anchor)
C1135	08/08	13:27	Watch	SLING	1	Light	10	0	100	NO	Excel	Stop
C1136	08/08	13:31	Watch	VIB	1	Light	10	0	100	NO	Excel	Start (Y-pile)
C1137	08/08	13:32	Watch	SLING	1	Light	10	0	100	NO	Excel	Stop
C1138	08/08	13:35	Watch	VIB	1	Light	10	0	100	NO	Excel	Start (sheets)
C1139	08/08	13:36	Watch	SLING	1	Light	10	0	100	NO	Excel	Stop
C1140	08/08	13:41	Watch	VIB	1	Light	10	0	100	NO	Excel	Start (sheets)
C1141	08/08	13:42	Watch	SLING	1	Light	10	0	100	NO	Excel	Stop
C1142	08/08	13:43	Watch	VIB	1	Light	10	0	100	NO	Excel	Start (anchor)
C1143	08/08	13:44	Watch	SLING	1	Light	10	0	100	NO	Excel	Stop
C1144	08/08	13:45	Watch	VIB	1	Light	10	0	100	NO	Excel	Start (sheets)
C1145	08/08	13:46	Watch	SLING	1	Light	10	0	100	NO	Excel	Stop
C1146	08/08	13:46	Watch	VIB	1	Light	10	0	100	NO	Excel	Start (sheets)
C1147	08/08	13:47	Watch	SLING	1	Light	10	0	100	NO	Excel	Stop
C1148	08/08	13:48	Watch	VIB	1	Light	10	0	100	NO	Excel	Start (sheets)
C1149	08/08	13:49	Watch	SLING	1	Light	10	0	100	NO	Excel	Stop
C1150	08/08	13:50	Watch	VIB	1	Light	10	0	100	NO	Excel	Start (sheets)
C1151	08/08	13:51	Watch	SLING	1	Light	10	0	100	NO	Excel	Stop
C1152	08/08	13:52	Watch	VIB	1	Light	10	0	100	NO	Excel	Start (sheets)
C1153	08/08	13:53	Watch	SLING	1	Light	10	0	100	NO	Excel	Stop
C1154	08/08	13:55	Watch	VIBR	2	Light	10	0	100	NO	Good	Pull a sheet a few feet
C1155	08/08	13:56	Watch	SLING	2	Light	10	0	100	NO	Good	Stop
C1156	08/08	14:30	Watch	SLING	3	Light	10	0	100	NO	Fair	Low 3
C1157	08/08	15:00	Watch	SLING	3	Light	10	0	100	NO	Fair	FT OFF KMS ON
C1158	08/08	15:30	Watch	SLING	3	Light	10	0	100	NO	Good	Low 3
C1159	08/08	16:00	Watch	SLING	3	Light	10	0	100	NO	Good	
C1160	08/08	16:30	Watch	SLING	3	Light	10	0	100	NO	Good	
C1161	08/08	16:59	Watch	SLING	3	Light	10	0	100	NO	Good	

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1162	08/08	17:28	Watch	VIB	3	Moderate	8	0	100	DR	Fair	Start (sheets) high 3
C1163	08/08	17:29	Watch	SLING	3	Moderate	8	0	100	DR	Fair	Stop
C1164	08/08	17:33	Watch	VIB/VIBR	3	Moderate	8	0	100	DR	Fair	Start (VIB/VIBR H-pile) in and out to remove
C1165	08/08	17:39	Watch	SLING	3	Moderate	8	0	100	DR	Fair	Stop
C1166	08/08	17:43	Watch	VIB	3	Moderate	8	0	100	DR	Fair	Start (H-pile)
C1167	08/08	17:45	Watch	SLING	3	Moderate	8	0	100	DR	Fair	Stop
C1168	08/08	17:48	Watch	VIB	3	Moderate	8	0	100	DR	Fair	Start (sheets)
C1169	08/08	17:49	Watch	SLING	3	Moderate	8	0	100	DR	Fair	Stop (Last pile drive of the day)
C1170	08/08	18:00	Watch	POST	3	Moderate	8	0	100	DR	Fair	KMS OFF FT ON
C1171	08/08	18:30	End	POST	3	Moderate	8	0	100	DR	Fair	End of observations for the day
C1172	08/10	7:01	Start	PRE	1	None	10	0	95	NO	Excel	KMS ON, Start AM clear
C1173	08/10	7:31	Watch	SLING	1	None	9	0	95	NO	Excel	Clear; rain across the sound
C1174	08/10	8:00	Watch	SLING	1	None	9	0	80	NO	Excel	
C1175	08/10	8:31	Watch	SLING	2	None	9	0	80	NO	Excel	
C1176	08/10	9:01	Watch	No Work	2	Light	9	0	70	NO	Excel	No over water work
C1177	08/10	9:30	Watch	No Work	2	Light	10	10	80	NO	Excel	Swalling team left work site
C1178	08/10	10:01	Watch	No Work	2	Light	10	5	90	NO	Excel	
C1179	08/10	10:32	Watch	SLING	2	Light	10	10	80	NO	Excel	
C1180	08/10	11:00	Watch	PRE	2	Light	10	0	80	NO	Excel	KMS OFF FT ON preparing to drive
C1181	08/10	11:10	Watch	VIBR	2	Light	10	0	80	NO	Excel	Pull H-pile
C1182	08/10	11:11	Watch	SLING	2	Light	10	0	80	NO	Excel	Stop
C1183	08/10	11:13	Watch	VIB	2	Light	10	0	80	NO	Excel	Start H-pile
C1184	08/10	11:14	Watch	SLING	2	Light	10	0	80	NO	Excel	Stop
C1185	08/10	11:30	Watch	No Work	2	Light	10	0	80	NO	Excel	Swalling break
C1186	08/10	12:00	Watch	No Work	2	Light	10	0	80	NO	Excel	
C1187	08/10	12:30	Watch	No Work	2	Light	10	0	80	NO	Excel	
C1188	08/10	13:00	Watch	PRE	2	Light	10	0	80	NO	Excel	Welding
C1189	08/10	13:30	Watch	SLING	2	Light	10	0	80	NO	Excel	preparing to drive pile
C1190	08/10	13:46	Watch	VIBR	2	Light	10	0	80	NO	Excel	Start pulling Y-pile a few feet off and on
C1191	08/10	13:49	Watch	SLING	2	Light	10	0	80	NO	Excel	Stop
C1192	08/10	13:55	Watch	VIB	2	Light	10	0	80	NO	Excel	Start (sheets)
C1193	08/10	13:56	Watch	SLING	2	Light	10	0	80	NO	Excel	Stop
C1194	08/10	14:03	Watch	VIBR	2	Light	10	0	80	NO	Excel	pull H-pile

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1195	08/10	14:04	Watch	SLING	2	Light	10	0	80	NO	Excel	Stop
C1196	08/10	14:06	Watch	VIB	2	Light	10	0	80	NO	Excel	Start H-pile
C1197	08/10	14:07	Watch	SLING	2	Light	10	0	80	NO	Excel	Stop (Last pile drive of the day) Swalling has to wait for surveyor to continue.
C1198	08/10	14:15	Watch	POST	3	Light	10	0	60	NO	Good	
C1199	08/10	14:45	Watch	POST	3	Light	10	0	40	NO	Good	welding
C1200	08/10	15:05	Watch	POST	3	Light	10	0	50	NO	Good	KMS ON FT OFF
C1201	08/10	15:30	Watch	POST	3	Light	10	0	30	NO	Good	
C1202	08/10	16:00	Watch	POST	2	Light	10	0	20	NO	Excel	
C1203	08/10	16:30	End	POST	2	Light	10	0	10	NO	Excel	End of observations.
C1204	08/11	7:00	Start	PRE	1	None	10	5	85	NO	Excel	KMS ON, Start am clear
C1205	08/11	7:30	Watch	No Work	2	Light	10	0	70	NO	Excel	All clear- no over water work
C1206	08/11	7:59	Watch	No Work	2	Light	10	0	50	NO	Excel	
C1207	08/11	8:25	Watch	SLING	2	Light	10	5	20	NO	Excel	
C1208	08/11	8:55	Watch	No Work	2	Light	10	10	15	NO	Good	
C1209	08/11	9:28	Watch	No Work	2	Light	10	5	15	NO	Good	High 2
C1210	08/11	10:00	Watch	No Work	2	Light	10	0	15	NO	Good	Observing from the ground while Swalling moves connex
C1211	08/11	10:35	Watch	No Work	2	Light	10	0	10	NO	Excel	back in elevated connex
C1212	08/11	11:00	Watch	No Work	2	Light	10	0	20	NO	Excel	FT ON KMS OFF
C1213	08/11	11:30	Watch	No Work	1	None	10	0	15	NO	Excel	No over water work
C1214	08/11	12:00	Watch	No Work	1	None	10	5	15	NO	Excel	Swalling on break
C1215	08/11	12:30	Watch	No Work	1	None	10	5	15	NO	Excel	Surveyor working
C1216	08/11	12:43	Watch	SLING	1	None	10	5	15	NO	Excel	Installing template in cell 12
C1217	08/11	13:30	Watch	Other	1	None	10	5	15	NO	Excel	working on template
C1218	08/11	14:00	Watch	Other	1	None	10	0	10	NO	Excel	Surveyor working
C1219	08/11	14:30	Watch	PRE	2	Light	10	0	10	NO	Excel	welding
C1220	08/11	14:55	Watch	VIBR	2	Light	10	0	10	NO	Excel	Start pulling H-pile
C1221	08/11	14:56	Watch	SLING	2	Light	10	0	10	NO	Excel	Stop
C1222	08/11	14:59	Watch	VIB	2	Light	10	0	10	NO	Excel	Start
C1223	08/11	15:01	Watch	SLING	2	Light	10	0	10	NO	Excel	Stop, FT OFF; KMS ON
C1224	08/11	15:03	Watch	VIBR	2	Light	10	0	10	NO	Excel	Start (remove H-pile)
C1225	08/11	15:04	Watch	SLING	2	None	10	0	15	NO	Excel	Stop
C1226	08/11	15:05	Watch	VIB	2	None	10	0	15	NO	Excel	Start (H-pile)
C1227	08/11	15:06	Watch	SLING	2	None	10	0	15	NO	Excel	Stop

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1228	08/11	15:10	Watch	VIBR	2	None	10	0	15	NO	Excel	Start remove (H-pile)
C1229	08/11	15:11	Watch	SLING	2	None	10	0	15	NO	Excel	Stop
C1230	08/11	15:12	Watch	VIB	2	None	10	0	15	NO	Excel	Start (H-pile)
C1231	08/11	15:13	Watch	SLING	2	None	10	0	15	NO	Excel	Stop
C1232	08/11	15:45	Watch	SLING	2	None	10	0	15	NO	Excel	
C1233	08/11	16:14	Watch	SLING	2	None	10	10	20	NO	Excel	
C1234	08/11	16:32	Watch	VIBR	2	None	10	15	20	NO	Excel	Start (remove H-pile)
C1235	08/11	16:33	Watch	SLING	2	None	10	15	20	NO	Excel	Stop
C1236	08/11	16:34	Watch	VIB	2	None	10	15	20	NO	Excel	Start (H-pile)
C1237	08/11	16:35	Watch	SLING	2	None	10	15	20	NO	Excel	Stop
C1238	08/11	17:05	Watch	SLING	2	None	10	15	35	NO	Excel	
C1239	08/11	17:32	Watch	SLING	1	None	10	15	40	NO	Excel	
C1240	08/11	18:00	Watch	SLING	1	None	10	15	50	NO	Excel	KMS OFF; FT ON
C1241	08/11	18:05	Watch	VIBR	1	None	10	15	50	NO	Excel	Start (H-pile)
C1242	08/11	18:06	Watch	SLING	1	None	10	15	50	NO	Excel	Stop
C1243	08/11	18:07	Watch	VIB	1	None	10	15	50	NO	Excel	Start (H-pile)
C1244	08/11	18:09	Watch	POST	1	None	10	15	50	NO	Excel	Stop (Last pile drive of the day)
C1245	08/11	18:30	Watch	POST	1	None	10	15	50	NO	Excel	POST watch
C1246	08/11	19:00	End	POST	1	None	10	15	50	NO	Excel	End of observations.
C1247	08/12	7:01	Start	PRE	0	None	10	0	20	NO	Excel	KMS ON, Start am clear
C1248	08/12	7:31	Watch	STAB	0	None	10	0	10	NO	Excel	All clear
C1249	08/12	8:00	Watch	STAB	0	None	10	0	30	NO	Excel	
C1250	08/12	8:24	Watch	VIB	0	None	10	5	20	NO	Excel	Start (sheets)
C1251	08/12	8:25	Watch	SLING	0	None	10	5	20	NO	Excel	Stop
C1252	08/12	8:32	Watch	VIB	0	None	10	5	20	NO	Excel	Start (sheets)
C1253	08/12	8:33	Watch	SLING	0	None	10	5	20	NO	Excel	Stop
C1254	08/12	8:34	Watch	VIB	0	None	10	5	20	NO	Excel	Start (sheets)
C1255	08/12	8:35	Watch	STAB	0	None	10	5	20	NO	Excel	Stop
C1256	08/12	9:05	Watch	STAB	0	None	10	5	20	NO	Excel	
C1257	08/12	9:32	Watch	STAB	0	None	10	5	20	NO	Excel	
C1258	08/12	9:55	Watch	VIB	1	None	10	0	25	NO	Excel	Start (sheets)
C1259	08/12	9:57	Watch	SLING	1	None	10	0	25	NO	Excel	Stop
C1260	08/12	9:58	Watch	VIB	1	None	10	0	25	NO	Excel	Start (sheets)

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1261	08/12	9:59	Watch	SLING	1	None	10	0	25	NO	Excel	Stop
C1262	08/12	10:15	Watch	VIB	1	None	10	0	25	NO	Excel	Start (sheets)
C1263	08/12	10:16	Watch	SLING	1	None	10	0	25	NO	Excel	Stop
C1264	08/12	10:21	Watch	VIB	1	None	10	0	25	NO	Excel	Start (sheets)
C1265	08/12	10:22	Watch	SLING	1	None	10	0	25	NO	Excel	Stop
C1266	08/12	10:26	Watch	STAB	1	None	10	0	60	NO	Excel	
C1267	08/12	10:55	Watch	STAB	1	None	10	0	90	NO	Excel	KMS OFF FT ON
C1268	08/12	11:00	Watch	STAB	1	None	10	0	90	NO	Excel	
C1269	08/12	11:32	Watch	PRE	1	None	10	0	90	NO	Excel	Swalling on break
C1270	08/12	11:54	Watch	VIB	1	None	10	0	90	NO	Excel	Start sheets on + off
C1271	08/12	11:56	Watch	SLING	1	None	10	0	90	NO	Excel	Stop
C1272	08/12	12:04	Watch	VIB	1	None	10	0	90	NO	Excel	Start (sheets)
C1273	08/12	12:05	Watch	SLING	1	None	10	0	90	NO	Excel	Stop
C1274	08/12	12:38	Watch	SLING	1	None	10	0	90	NO	Excel	
C1275	08/12	13:00	Watch	VIB	1	None	10	0	90	NO	Excel	Start (sheets)
C1276	08/12	13:01	Watch	SLING	1	None	10	0	90	NO	Excel	Stop
C1277	08/12	13:30	Watch	STAB	1	None	10	0	90	NO	Excel	
C1278	08/12	14:00	Watch	SLING	2	Light	10	0	40	NO	Good	
C1279	08/12	14:15	Watch	VIB	2	Light	10	0	40	NO	Good	Start (sheets)
C1280	08/12	14:16	Watch	SLING	2	Light	10	0	40	NO	Good	Stop
C1281	08/12	14:23	Watch	VIB	2	Light	10	0	40	NO	Good	Start (sheets)
C1282	08/12	14:25	Watch	SLING	2	Light	10	0	40	NO	Good	Stop
C1283	08/12	14:31	Watch	VIB	2	Light	10	0	40	NO	Good	Start (sheets)
C1284	08/12	14:32	Watch	STAB	2	Light	10	0	80	NO	Good	Stop
C1285	08/12	15:00	Watch	STAB	2	Light	10	0	90	NO	Good	KMS ON; FT OFF
C1286	08/12	15:30	Watch	STAB	2	Light	10	0	100	NO	Good	High 2
C1287	08/12	15:48	Watch	VIB	2	Light	10	0	100	NO	Good	Start (sheets)
C1288	08/12	15:50	Watch	SLING	2	Light	10	0	100	NO	Good	Stop
C1289	08/12	15:57	Watch	VIB	2	Light	10	0	100	NO	Good	Start (sheets)
C1290	08/12	15:59	Watch	SLING	2	Light	10	0	100	NO	Good	Stop
C1291	08/12	16:02	Watch	VIB	2	Light	10	0	100	NO	Good	Start (sheets)
C1292	08/12	16:03	Watch	SLING	2	Light	10	0	100	NO	Good	Stop
C1293	08/12	16:08	Watch	VIB	2	Light	10	0	100	NO	Good	Start (sheets)

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1294	08/12	16:09	Watch	SLING	2	Light	10	0	100	NO	Good	Stop
C1295	08/12	16:15	Watch	VIB	2	Light	10	0	100	NO	Good	Start (sheets)
C1296	08/12	16:16	Watch	SLING	2	Light	10	0	100	NO	Good	Stop
C1297	08/12	16:23	Watch	STAB	2	Light	10	0	90	NO	Good	
C1298	08/12	16:50	Watch	STAB	2	Light	10	0	90	NO	Good	
C1299	08/12	17:16	Watch	VIB	1	None	10	10	100	NO	Excel	Start (sheets)
C1300	08/12	17:18	Watch	SLING	1	None	10	10	90	NO	Excel	Stop
C1301	08/12	17:26	Watch	VIB	1	None	10	10	60	NO	Excel	Start (sheets)
C1302	08/12	17:27	Watch	SLING	1	None	10	10	60	NO	Excel	Stop
C1303	08/12	17:33	Watch	VIB	1	None	10	10	60	NO	Excel	Start (sheets)
C1304	08/12	17:34	Watch	SLING	1	None	10	10	60	NO	Excel	Stop
C1305	08/12	17:40	Watch	STAB	1	None	10	10	60	NO	Excel	Stabbing sheets
C1306	08/12	18:00	Watch	SLING	1	None	10	10	60	NO	Excel	FT ON KMS OFF
C1307	08/12	18:23	Watch	VIB	1	None	10	10	60	NO	Excel	Start (sheets)
C1308	08/12	18:24	Watch	SLING	1	None	10	10	60	NO	Excel	Stop
C1309	08/12	18:30	Watch	VIB	1	None	10	10	60	NO	Excel	Start (sheets)
C1310	08/12	18:31	Watch	SLING	1	None	10	10	60	NO	Excel	Stop
C1311	08/12	18:36	Watch	VIB	1	None	10	10	60	NO	Excel	Start (sheets) Last pile of the day
C1312	08/12	18:37	Watch	SLING	1	None	10	10	60	NO	Excel	Stop
C1313	08/12	18:40	Watch	POST	1	None	10	10	60	NO	Excel	Start 30 mins POST watch
C1314	08/12	19:07	End	POST	1	None	10	10	60	NO	Excel	End of observations
C1315	08/13	7:00	Start	PRE	2	Light	9	0	100	NO	Good	KMS ON; Start am clear
C1316	08/13	7:30	Watch	No Work	2	Light	9	0	100	NO	Good	All Clear; no over water work
C1317	08/13	7:46	Watch	STAB	2	Light	9	0	100	NO	Good	
C1318	08/13	8:26	Watch	STAB	2	None	10	0	100	NO	Good	
C1319	08/13	8:50	Watch	VIB	2	None	10	0	95	NO	Excel	Start (sheets)
C1320	08/13	8:53	Watch	SLING	2	None	10	0	95	NO	Excel	Stop
C1321	08/13	9:01	Watch	VIB	2	None	10	0	95	NO	Excel	Start (sheets)
C1322	08/13	9:02	Watch	SLING	2	None	10	0	95	NO	Excel	Stop
C1323	08/13	9:07	Watch	VIB	2	None	10	0	95	NO	Excel	Start (sheets)
C1324	08/13	9:08	Watch	SLING	2	None	10	0	95	NO	Excel	Stop
C1325	08/13	9:15	Watch	STAB	2	None	10	0	95	NO	Excel	
C1326	08/13	9:45	Watch	STAB	2	None	10	0	100	NO	Excel	

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1327	08/13	9:59	Watch	VIB	2	None	10	0	100	NO	Excel	Start (sheets)
C1328	08/13	10:01	Watch	SLING	2	None	10	0	100	NO	Excel	Stop
C1329	08/13	10:06	Watch	VIB	2	None	10	0	100	NO	Excel	Start (sheets)
C1330	08/13	10:07	Watch	SLING	2	None	10	0	100	NO	Excel	Stop
C1331	08/13	10:12	Watch	STAB	2	None	10	0	100	NO	Excel	
C1332	08/13	10:42	Watch	STAB	2	Light	10	0	100	NO	Excel	
C1333	08/13	11:00	Watch	Other	2	Light	10	0	100	NO	Excel	FT ON, Welding
C1334	08/13	11:13	Watch	STAB	2	Light	10	0	100	NO	Excel	
C1335	08/13	11:30	Watch	PRE	2	Light	10	0	100	NO	Excel	Swalling break
C1336	08/13	11:56	Watch	VIB/VIBR	2	Light	10	0	100	NO	Excel	Start sheets off and on
C1337	08/13	12:02	Watch	SLING	2	Light	10	0	100	NO	Excel	
C1338	08/13	12:09	Watch	VIB	2	Light	10	0	100	NO	Excel	Start sheets
C1339	08/13	12:10	Watch	SLING	2	Light	10	0	100	NO	Excel	Stop
C1340	08/13	12:35	Watch	No Work	2	Moderate	10	0	100	NO	Excel	No over water work
C1341	08/13	12:59	Watch	VIB	2	Moderate	10	0	100	NO	Excel	Start
C1342	08/13	13:02	Watch	SLING	2	Moderate	10	0	100	NO	Good	Stop
C1343	08/13	13:05	Watch	VIB	2	Moderate	10	0	100	NO	Good	Start (sheets)
C1344	08/13	13:06	Watch	SLING	2	Moderate	10	0	100	NO	Good	Stop
C1345	08/13	13:12	Watch	VIB	2	Moderate	10	0	100	NO	Good	Start (sheets) OFF and ON
C1346	08/13	13:16	Watch	SLING	2	Moderate	10	0	100	NO	Good	Stop
C1347	08/13	13:20	Watch	VIB	2	Moderate	10	0	100	NO	Good	Start (sheets)
C1348	08/13	13:21	Watch	SLING	2	Moderate	10	0	100	NO	Good	Stop
C1349	08/13	13:25	Watch	VIB	2	Moderate	10	0	100	NO	Good	Start (sheets)
C1350	08/13	13:26	Watch	SLING	2	Moderate	10	0	100	NO	Good	Stop
C1351	08/13	13:28	Watch	VIB	2	Moderate	10	0	100	NO	Good	Start (anchor)
C1352	08/13	13:29	Watch	SLING	2	Moderate	10	0	100	NO	Good	Stop
C1353	08/13	13:33	Watch	VIB	2	Moderate	10	0	100	NO	Good	Start (sheets)
C1354	08/13	13:34	Watch	SLING	2	Moderate	10	0	100	NO	Good	Stop
C1355	08/13	13:35	Watch	VIB	2	Moderate	10	0	100	NO	Good	Start (sheets)
C1356	08/13	13:36	Watch	SLING	2	Moderate	10	0	100	NO	Good	Stop
C1358	08/13	13:38	Watch	SLING	2	Light	10	0	100	NO	Good	Stop
C1357	08/13	13:38	Watch	VIB	2	Moderate	10	0	100	NO	Good	Start (sheets)
C1359	08/13	14:00	Watch	STAB	2	Light	10	0	100	NO	Good	

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1360	08/13	14:30	Watch	STAB	2	Light	10	0	100	NO	Good	
C1361	08/13	14:51	Watch	VIB	2	Light	10	0	100	NO	Good	Start (sheets)
C1362	08/13	14:52	Watch	SLING	2	Light	10	0	100	NO	Good	Stop
C1363	08/13	14:58	Watch	VIB	2	Light	10	0	100	NO	Excel	Start (Sheets) OFF and ON
C1364	08/13	15:00	Watch	SLING	2	Light	10	0	100	NO	Excel	Stop; KMS ON FT OFF
C1365	08/13	15:07	Watch	VIB	2	Light	10	0	100	NO	Excel	Start (sheets)
C1366	08/13	15:09	Watch	SLING	2	Light	10	0	100	NO	Excel	Stop
C1367	08/13	15:14	Watch	VIB	2	Light	10	0	100	NO	Excel	Start (sheets)
C1368	08/13	15:15	Watch	SLING	2	Light	10	0	100	NO	Excel	Stop
C1369	08/13	15:21	Watch	STAB	2	Light	10	0	100	NO	Excel	
C1370	08/13	15:50	Watch	STAB	2	Light	10	0	100	NO	Excel	
C1371	08/13	16:07	Watch	VIB	2	Light	10	0	100	NO	Excel	Start (sheets)
C1372	08/13	16:09	Watch	SLING	2	Light	10	0	100	NO	Excel	Stop
C1373	08/13	16:19	Watch	VIB	2	Light	10	0	100	NO	Excel	Start (sheets)
C1374	08/13	16:21	Watch	SLING	2	Light	10	0	100	NO	Excel	Stop
C1375	08/13	16:27	Watch	VIB	2	Light	10	0	100	NO	Excel	Start (sheets)
C1376	08/13	16:28	Watch	SLING	2	Light	10	0	100	NO	Excel	Stop
C1377	08/13	16:34	Watch	VIB	2	Light	10	0	100	NO	Excel	Starts (sheets)
C1378	08/13	16:35	Watch	SLING	2	Light	10	0	100	NO	Excel	Stop
C1379	08/13	16:45	Watch	STAB	2	None	10	0	100	NO	Excel	
C1380	08/13	17:20	Watch	VIB	2	None	10	0	100	NO	Excel	Start (sheets)
C1381	08/13	17:21	Watch	SLING	2	None	10	0	100	NO	Excel	Stop
C1382	08/13	17:29	Watch	VIB	2	None	10	0	100	NO	Excel	Start (sheets)
C1383	08/13	17:32	Watch	SLING	2	None	10	0	100	NO	Excel	Stop
C1384	08/13	17:41	Watch	VIB	2	None	10	0	95	NO	Excel	Start (sheets)
C1385	08/13	17:42	Watch	SLING	2	None	10	0	95	NO	Excel	Stop
C1386	08/13	17:47	Watch	VIB	2	None	10	0	95	NO	Excel	Start (sheets)
C1387	08/13	17:48	Watch	SLING	2	None	10	0	95	NO	Excel	Stop
C1388	08/13	17:54	Watch	STAB	2	None	10	0	95	NO	Excel	
C1389	08/13	18:00	Watch	STAB	2	None	10	0	95	NO	Excel	KMS OFF FT ON
C1390	08/13	18:16	Watch	VIB	2	None	10	0	95	NO	Excel	Start (anchor)
C1391	08/13	18:17	Watch	SLING	2	None	10	0	95	NO	Excel	Stop
C1392	08/13	18:19	Watch	VIB	2	None	10	0	95	NO	Excel	Start sheets

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1393	08/13	18:20	Watch	SLING	2	None	10	10	50	NO	Excel	Stop
C1394	08/13	18:26	Watch	VIB	2	None	10	10	50	NO	Excel	Start (sheets)
C1395	08/13	18:27	Watch	SLING	2	None	10	10	50	NO	Excel	Stop
C1396	08/13	18:29	Watch	VIB	2	None	10	10	50	NO	Excel	Start (sheets)
C1397	08/13	18:30	Watch	SLING	2	None	10	10	50	NO	Excel	Stop
C1398	08/13	18:31	Watch	VIB	2	None	10	10	50	NO	Excel	Start (sheets)
C1399	08/13	18:32	Watch	SLING	2	None	10	10	50	NO	Excel	Stop
C1400	08/13	18:34	Watch	VIB	2	None	10	10	50	NO	Excel	Start (sheets)
C1401	08/13	18:35	Watch	SLING	1	None	10	10	50	NO	Excel	Stop (last pile of the day)
C1402	08/13	18:36	Watch	POST	1	None	10	10	50	NO	Excel	Start POST watch
C1403	08/13	19:00	End	POST	0	None	10	10	50	NO	Excel	End of observations
C1404	08/14	7:00	Start	PRE	2	Light	9	5	20	NO	Good	KMS ON; Start am clear
C1405	08/14	7:31	Watch	SLING	2	Light	9.5	5	15	NO	Good	All Clear
C1406	08/14	8:03	Watch	SLING	2	None	10	0	35	NO	Excel	
C1407	08/14	8:30	Watch	SLING	2	None	10	0	90	NO	Excel	
C1408	08/14	8:59	Watch	SLING	2	None	10	0	95	NO	Good	
C1409	08/14	9:10	Watch	No Work	2	None	10	0	95	NO	Good	No over water work
C1410	08/14	9:39	Watch	VIB/VIBR	1	None	10	0	95	NO	Excel	Start (remove H-pile) continuous driving in and out
C1411	08/14	9:46	Watch	SLING	1	None	10	0	95	NO	Excel	Stop
C1412	08/14	9:49	Watch	VIB	1	None	10	0	95	NO	Excel	Start (H-pile)
C1413	08/14	9:52	Watch	SLING	1	None	10	0	95	NO	Excel	Stop
C1414	08/14	10:16	Watch	SLING	0	None	10	0	90	NO	Excel	moving template to cell 13
C1415	08/14	10:45	Watch	SLING	1	None	10	0	95	NO	Excel	
C1416	08/14	11:00	Watch	SLING	0	None	10	0	90	NO	Excel	KMS OFF; FT ON
C1417	08/14	11:30	Watch	No Work	0	None	10	0	90	NO	Excel	Swalling break
C1418	08/14	12:00	Watch	No Work	0	None	10	0	90	NO	Excel	
C1419	08/14	12:30	Watch	PRE	1	None	10	0	60	NO	Excel	
C1420	08/14	12:55	Watch	VIBR	1	None	10	0	60	NO	Excel	Start-pull H-pile
C1421	08/14	12:57	Watch	SLING	1	None	10	0	60	NO	Excel	Stop
C1422	08/14	13:01	Watch	VIB	2	Light	10	0	60	NO	Excel	Start H-pile into cell 13
C1423	08/14	13:02	Watch	SLING	2	Light	10	0	60	NO	Excel	Stop
C1424	08/14	13:20	Watch	SLING	2	Light	10	0	60	NO	Excel	Moving template to cell 13
C1425	08/14	14:00	Watch	SLING	2	Light	10	0	80	NO	Good	

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1426	08/14	14:30	Watch	SLING	2	Light	10	0	80	NO	Good	Template
C1427	08/14	14:46	Watch	STAB	2	Light	10	0	80	NO	Good	
C1428	08/14	15:00	Watch	STAB	2	Light	10	0	85	NO	Good	FT OFF; KMS ON
C1429	08/14	15:30	Watch	STAB	3	Light	10	0	80	NO	Good	
C1430	08/14	15:45	Watch	No Work	3	Light	10	0	70	NO	Good	No over water work
C1431	08/14	16:15	Watch	No Work	3	Moderate	10	10	30	NO	Good	
C1432	08/14	16:45	Watch	No Work	3	Moderate	10	10	20	NO	Good	
C1433	08/14	17:14	Watch	STAB	3	Moderate	10	15	25	NO	Good	Stabbing sheets
C1434	08/14	17:28	Watch	VIB	3	Moderate	10	20	35	NO	Good	Start (Sheets)
C1435	08/14	17:31	Watch	SLING	3	Moderate	10	20	35	NO	Good	Stop
C1436	08/14	17:40	Watch	VIB	3	Moderate	10	20	35	NO	Good	Start (Sheets)
C1437	08/14	17:42	Watch	SLING	3	Moderate	10	20	35	NO	Good	Stop
C1438	08/14	17:47	Watch	STAB	3	Moderate	10	20	35	NO	Good	Wind picking up
C1439	08/14	18:00	Watch	STAB	3	Moderate	10	20	35	NO	Good	KMS OFF; FT ON
C1440	08/14	18:26	Watch	VIB	3	Moderate	10	20	35	NO	Good	Start (sheets) on and off
C1441	08/14	18:28	Watch	SLING	3	Moderate	10	20	35	NO	Good	Stop (last pile of the day)
C1442	08/14	18:29	Watch	POST	3	Moderate	10	20	35	NO	Good	Start 30 mins post watch
C1443	08/14	19:00	End	POST	4	Moderate	10	20	35	NO	Fair	End of observations
C1444	08/15	7:00	Start	PRE	2	Light	9	10	5	NO	Good	KMS ON; Start am clear
C1445	08/15	7:23	Watch	STAB	3	Light	9.5	10	5	NO	Good	Stabbing sheets
C1446	08/15	7:30	Watch	STAB	3	Light	9.5	10	5	NO	Good	All clear
C1447	08/15	8:03	Watch	VIB	3	Light	9.5	5	5	NO	Good	Start (sheets)
C1448	08/15	8:06	Watch	SLING	3	Light	9.5	5	5	NO	Good	Stop
C1449	08/15	8:14	Watch	VIB	3	Light	9.5	5	5	NO	Good	Start (sheets)
C1450	08/15	8:17	Watch	SLING	3	Light	9.5	5	5	NO	Good	Stop
C1451	08/15	8:21	Watch	VIB	3	Light	9.5	5	5	NO	Good	Start (sheets)
C1452	08/15	8:24	Watch	SLING	3	Light	9.5	5	5	NO	Good	Stop
C1453	08/15	8:35	Watch	STAB	3	Light	9.5	1	0	NO	Good	High 2- No real clouds, only thin haze on Other side
C1454	08/15	9:06	Watch	STAB	3	Light	9.5	1	0	NO	Good	
C1455	08/15	9:15	Watch	VIB	3	Light	9.5	1	0	NO	Good	Start (sheets)
C1456	08/15	9:18	Watch	SLING	3	Light	9.5	1	0	NO	Good	Stop
C1457	08/15	9:27	Watch	VIB	3	Light	9.5	1	0	NO	Good	Start (sheets)
C1458	08/15	9:28	Watch	SLING	3	Light	9.5	1	0	NO	Good	Stop

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1459	08/15	9:42	Watch	STAB	2	Light	10	0	0	NO	Excel	
C1460	08/15	10:23	Watch	VIB	2	None	10	0	0	NO	Excel	Start (sheets)
C1461	08/15	10:26	Watch	SLING	2	None	10	0	0	NO	Excel	Stop
C1462	08/15	10:33	Watch	VIB	2	None	10	0	0	NO	Excel	Start (sheets) On and off
C1463	08/15	10:39	Watch	SLING	2	None	10	0	0	NO	Excel	Stop
C1464	08/15	10:46	Watch	STAB	2	None	10	0	10	NO	Excel	
C1465	08/15	11:00	Watch	SLING	2	Light	10	5	5	NO	Excel	FT ON KMS OFF
C1466	08/15	11:30	Watch	STAB	2	Light	10	5	5	NO	Excel	
C1467	08/15	11:40	Watch	VIB	2	Light	10	5	5	NO	Excel	Start (sheets) on and off several times
C1468	08/15	11:45	Watch	SLING	2	Light	10	5	5	NO	Excel	Stop
C1469	08/15	11:55	Watch	No Work	2	Light	10	5	5	NO	Excel	Swalling break
C1470	08/15	12:30	Watch	SLING	2	Light	10	5	5	NO	Excel	Swalling back to work
C1471	08/15	12:33	Watch	VIB	2	Light	10	5	5	NO	Excel	Start (sheets) resistant, took a while to drive
C1472	08/15	12:35	Watch	SLING	2	Light	10	5	5	NO	Excel	Stop
C1473	08/15	12:44	Watch	VIB	2	Light	10	5	5	NO	Excel	Start (sheets)
C1474	08/15	12:45	Watch	SLING	2	Light	10	5	5	NO	Excel	Stop
C1475	08/15	12:46	Watch	VIB	2	Light	10	5	5	NO	Excel	Start (sheets)
C1476	08/15	12:48	Watch	SLING	2	Light	10	5	5	NO	Excel	Stop
C1477	08/15	13:00	Watch	VIB	2	Light	10	5	5	NO	Excel	Start (sheets)
C1478	08/15	13:01	Watch	SLING	3	Light	10	5	5	NO	Good	Stop
C1479	08/15	13:04	Watch	VIB	3	Light	10	5	5	NO	Good	Start (sheets)
C1480	08/15	13:06	Watch	SLING	3	Light	10	5	5	NO	Good	Stop
C1481	08/15	13:09	Watch	VIB	3	Light	10	5	5	NO	Good	Start (sheets)
C1482	08/15	13:11	Watch	SLING	3	Light	10	5	5	NO	Good	Stop
C1483	08/15	13:40	Watch	Other	3	Light	10	5	5	NO	Good	welding
C1484	08/15	14:00	Watch	STAB	3	Light	10	5	5	NO	Good	
C1485	08/15	14:08	Watch	VIB	3	Light	10	5	5	NO	Good	Start (sheets)
C1486	08/15	14:10	Watch	SLING	3	Moderate	9	0	5	NO	Fair	Stop
C1487	08/15	14:16	Watch	VIB	3	Moderate	9	0	5	NO	Fair	Start (sheets)
C1488	08/15	14:18	Watch	SLING	3	Moderate	9	0	5	NO	Fair	Stop
C1489	08/15	14:26	Watch	VIB	3	Moderate	9	0	5	NO	Fair	Start (sheets)
C1490	08/15	14:27	Watch	SLING	3	Moderate	9	0	5	NO	Fair	Stop
C1491	08/15	14:38	Watch	VIB	3	Moderate	9	0	5	NO	Fair	Start (sheets)

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1492	08/15	14:39	Watch	SLING	3	Moderate	9	0	5	NO	Fair	Stop
C1493	08/15	14:44	Watch	VIB	3	Moderate	9	0	5	NO	Fair	Start (sheets)
C1494	08/15	14:45	Watch	SLING	3	Moderate	9	0	5	NO	Fair	Stop
C1495	08/15	14:49	Watch	VIB	3	Moderate	9	0	5	NO	Fair	Start (sheets)
C1496	08/15	14:50	Watch	SLING	3	Moderate	9	0	5	NO	Fair	Stop
C1497	08/15	15:00	Watch	No Work	4	Moderate	9	5	5	NO	Fair	KMS ON; FT OFF; Swalling on break
C1498	08/15	15:19	Watch	VIB	4	Moderate	9	5	5	NO	Fair	Start (sheets)
C1499	08/15	15:20	Watch	SLING	4	Moderate	9	5	5	NO	Fair	Stop
C1500	08/15	15:25	Watch	VIB	4	Moderate	9	5	5	NO	Fair	Start (sheets)
C1501	08/15	15:26	Watch	SLING	4	Moderate	9	5	5	NO	Fair	Stop
C1502	08/15	15:28	Watch	VIB	4	Moderate	9	5	5	NO	Fair	Start (sheets)
C1503	08/15	15:29	Watch	SLING	4	Moderate	9	5	5	NO	Fair	Stop
C1504	08/15	15:33	Watch	VIB	4	Moderate	9	5	5	NO	Fair	Start (sheets)
C1505	08/15	15:34	Watch	SLING	4	Moderate	9	5	5	NO	Fair	Stop
C1506	08/15	15:37	Watch	VIB	4	Moderate	9	5	5	NO	Fair	Start (sheets)
C1507	08/15	15:38	Watch	SLING	4	Moderate	9	5	5	NO	Fair	Stop
C1508	08/15	15:41	Watch	VIB	4	Moderate	9	5	5	NO	Fair	Start (sheets)
C1509	08/15	15:43	Watch	SLING	4	Moderate	9	5	5	NO	Fair	Stop
C1510	08/15	15:50	Watch	STAB	3	Moderate	9	5	5	NO	Fair	Stabbing sheets
C1511	08/15	16:21	Watch	STAB	3	Moderate	9	5	5	NO	Fair	
C1512	08/15	16:38	Watch	VIB	3	Moderate	9	10	5	NO	Fair	Start (sheets)
C1513	08/15	16:40	Watch	SLING	3	Moderate	9	10	5	NO	Fair	Stop
C1514	08/15	16:47	Watch	VIB	3	Moderate	9	10	5	NO	Fair	Start (sheets)
C1515	08/15	16:48	Watch	SLING	3	Moderate	9	10	5	NO	Fair	Stop
C1516	08/15	16:57	Watch	VIB	3	Moderate	9	10	5	NO	Fair	Start (sheets)
C1517	08/15	16:59	Watch	SLING	3	Moderate	9	10	5	NO	Fair	Stop
C1518	08/15	17:03	Watch	VIB	3	Moderate	9	10	5	NO	Fair	Start (sheets)
C1519	08/15	17:04	Watch	SLING	3	Moderate	9	10	5	NO	Fair	Stop
C1520	08/15	17:06	Watch	VIB	3	Moderate	9	10	5	NO	Fair	Start (sheets and Y-pile)
C1521	08/15	17:07	Watch	SLING	3	Moderate	9	10	5	NO	Fair	Stop
C1522	08/15	17:13	Watch	STAB	3	Light	9.5	15	5	NO	Good	
C1523	08/15	17:43	Watch	STAB	3	Light	9.5	20	5	NO	Good	Low 3
C1524	08/15	18:02	Watch	VIB	3	Light	9.5	20	5	NO	Good	Start (anchor) FT ON

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1525	08/15	18:05	Watch	SLING	3	Light	9.5	20	5	NO	Good	Stop
C1526	08/15	18:07	Watch	VIB	3	Light	9.5	20	5	NO	Good	Start (sheets)
C1527	08/15	18:09	Watch	SLING	3	Light	9.5	20	5	NO	Good	Stop
C1528	08/15	18:14	Watch	VIB	3	Light	9.5	20	5	NO	Good	Start (sheets) ON and OFF
C1529	08/15	18:16	Watch	SLING	3	Light	9.5	20	5	NO	Good	Stop
C1530	08/15	18:23	Watch	VIB	3	Light	9.5	20	5	NO	Good	Start (sheets)
C1531	08/15	18:25	Watch	SLING	3	Light	9.5	20	5	NO	Good	Stop
C1532	08/15	18:30	Watch	VIB	3	Light	9.5	20	5	NO	Good	Start (sheets)
C1533	08/15	18:31	Watch	SLING	3	Light	9.5	20	5	NO	Good	Stop
C1534	08/15	18:33	Watch	VIB	3	Light	9.5	20	5	NO	Good	Start (anchor)
C1535	08/15	18:34	Watch	SLING	3	Light	9.5	20	5	NO	Good	Stop
C1536	08/15	18:35	Watch	VIB	3	Light	9.5	20	5	NO	Good	Start (sheets)
C1537	08/15	18:39	Watch	SLING	3	Light	9.5	20	5	NO	Good	Stop
C1538	08/15	18:40	Watch	VIB	3	Light	9.5	20	5	NO	Good	Start (sheets)
C1539	08/15	18:41	Watch	SLING	3	Light	9.5	20	5	NO	Good	Stop
C1540	08/15	18:42	Watch	VIB	3	Light	9.5	20	5	NO	Good	Start (sheets)
C1541	08/15	18:44	Watch	SLING	3	Light	9.5	20	5	NO	Good	Stop
C1542	08/15	18:45	Watch	VIB	3	Light	9.5	20	5	NO	Good	Start (sheets)
C1543	08/15	18:46	Watch	SLING	3	Light	9.5	20	5	NO	Good	Stop (Last pile drive of the day)
C1544	08/15	18:47	Watch	POST	3	Light	9.5	20	5	NO	Good	Start 30 mins post watch
C1545	08/15	19:17	End	POST	3	Light	9.5	20	5	NO	Good	End of Observations
C1546	08/17	7:00	Start	PRE	2	None	9.5	2	60	NO	Good	KMS ON; Start am clear
C1547	08/17	7:30	Watch	No Work	2	None	9.5	5	70	NO	Good	All clear- no over water work
C1548	08/17	8:00	Watch	No Work	2	Light	10	0	80	NO	Good	Uses excavator on beach at end of dock
C1549	08/17	8:31	Watch	No Work	2	Light	10	0	95	NO	Good	
C1550	08/17	8:55	Watch	SLING	2	Light	10	0	95	NO	Good	high 2
C1551	08/17	9:18	Watch	VIB/VIBR	2	Light	10	0	90	NO	Good	Start (remove H-pile from template VIBR/VIB in & out)
C1552	08/17	9:24	Watch	SLING	2	Light	10	0	90	NO	Good	Stop
C1553	08/17	9:27	Watch	VIB	2	Light	10	0	90	NO	Good	Start (H-pile)
C1554	08/17	9:29	Watch	SLING	2	Light	10	0	90	NO	Good	Stop
C1555	08/17	9:36	Watch	VIBR	2	Light	10	0	90	NO	Good	Start (remove H-pile)
C1556	08/17	9:37	Watch	SLING	2	Light	10	0	90	NO	Good	Stop
C1557	08/17	9:39	Watch	VIB	2	Light	10	0	90	NO	Good	Start (H-pile)

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1558	08/17	9:40	Watch	SLING	2	Light	10	0	90	NO	Excel	Stop (low 3 to the N, Low 2 to the S)
C1559	08/17	10:10	Watch	SLING	2	Light	10	0	80	NO	Excel	Welding template
C1560	08/17	10:44	Watch	No Work	2	None	10	0	70	NO	Excel	No over water work
C1561	08/17	11:07	Watch	No Work	2	Light	10	5	70	NO	Excel	FT ON, swalling break
C1562	08/17	11:35	Watch	No Work	2	Light	10	5	70	NO	Excel	Light 3
C1563	08/17	12:00	Watch	No Work	2	Light	10	5	70	NO	Excel	
C1564	08/17	12:30	Watch	No Work	2	Light	10	5	70	NO	Excel	
C1565	08/17	13:00	Watch	Other	2	Light	10	5	70	NO	Excel	Welding
C1566	08/17	13:30	Watch	Other	2	Light	10	5	70	NO	Excel	Welding
C1567	08/17	14:00	Watch	PULL	1	None	10	5	70	NO	Excel	Crane ops pulling z-sheet without VIB
C1568	08/17	14:30	Watch	SLING	1	None	10	5	70	NO	Excel	No over water work
C1569	08/17	14:53	Watch	VIB	1	None	9	0	70	NO	Excel	Start sheets
C1570	08/17	14:54	Watch	SLING	1	None	9	0	70	NO	Excel	Stop
C1571	08/17	14:56	Watch	VIB	1	None	9	0	70	NO	Excel	Start sheets
C1572	08/17	14:57	Watch	SLING	1	None	9	0	70	NO	Excel	Stop
C1573	08/17	15:00	Watch	SLING	1	None	9	0	90	NO	Excel	KMS ON; FT OFF
C1574	08/17	15:33	Watch	SLING	1	None	9	0	75	NO	Excel	
C1575	08/17	16:03	Watch	SLING	1	None	9	0	70	NO	Excel	
C1576	08/17	16:31	Watch	No Work	1	None	9	0	50	NO	Excel	Swalling is on break
C1577	08/17	16:58	Watch	No Work	0	None	9.5	0	50	NO	Excel	No over water work
C1578	08/17	17:30	Watch	No Work	0	None	10	10	35	NO	Excel	
C1579	08/17	17:57	Watch	VIBR	0	None	10	10	40	NO	Excel	FT ON; KMS OFF pull H-pile
C1580	08/17	17:58	Watch	SLING	0	None	10	10	40	NO	Excel	Stop
C1581	08/17	18:04	Watch	VIB	0	None	10	10	40	NO	Excel	Start H-pile
C1582	08/17	18:06	Watch	SLING	0	None	10	10	40	NO	Excel	Stop (last pile of the day)
C1583	08/17	18:07	Watch	POST	0	None	10	10	40	NO	Excel	Start 30 mins POST watch
C1584	08/17	18:34	Watch	POST	0	None	10	10	40	NO	Excel	POST watch
C1585	08/17	19:00	End	POST	0	None	10	10	40	NO	Excel	End of observations
C1586	08/18	7:02	Start	PRE	2	None	8.5	2	75	NO	Good	KMS ON; Start am clear
C1587	08/18	7:32	Watch	No Work	2	None	8.5	5	75	NO	Good	All clear - No over water work
C1588	08/18	7:46	Watch	STAB	2	None	9	5	60	NO	Excel	
C1589	08/18	8:18	Watch	STAB	2	None	9	0	55	NO	Excel	
C1590	08/18	8:48	Watch	VIB	2	None	9	0	30	NO	Excel	Start (sheets)

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1591	08/18	8:50	Watch	SLING	2	None	9	0	30	NO	Excel	Stop
C1592	08/18	8:57	Watch	VIB	2	None	9	0	30	NO	Excel	Start (sheets)
C1593	08/18	9:02	Watch	SLING	2	None	9	0	30	NO	Excel	Stop
C1594	08/18	9:08	Watch	STAB	2	None	9	0	30	NO	Excel	
C1595	08/18	9:35	Watch	STAB	2	None	9	0	80	NO	Excel	
C1596	08/18	9:44	Watch	VIB	2	None	9	0	80	NO	Excel	Start (sheets)
C1597	08/18	9:48	Watch	SLING	2	None	9	0	80	NO	Excel	Stop
C1598	08/18	9:50	Watch	VIB	2	None	9	0	80	NO	Excel	Start (sheets)
C1599	08/18	9:55	Watch	SLING	2	None	9	0	80	NO	Excel	Stop
C1600	08/18	9:58	Watch	VIB	2	None	9	0	80	NO	Excel	Start (sheets)
C1601	08/18	10:05	Watch	SLING	2	None	9	0	80	NO	Excel	Stop
C1602	08/18	10:12	Watch	STAB	1	None	9.5	0	90	NO	Excel	
C1603	08/18	10:44	Watch	PRE	1	None	9.5	0	90	NO	Excel	KMS OFF; FT ON- shift change early so that Kelsey can train Tom
C1604	08/18	10:50	Watch	VIB	1	None	9.5	0	90	NO	Excel	Start (sheets) On and off
C1605	08/18	10:53	Watch	SLING	1	None	9.5	0	90	NO	Excel	Stop
C1606	08/18	10:59	Watch	VIB	1	None	9.5	0	90	NO	Excel	Start (sheets) On and off
C1607	08/18	11:03	Watch	SLING	1	None	9.5	0	90	NO	Excel	Stop
C1608	08/18	11:12	Watch	SLING	1	None	9.5	0	90	NO	Excel	Swalling break
C1609	08/18	11:32	Watch	VIB	1	None	9.5	0	90	NO	Excel	Start (sheets)
C1610	08/18	11:34	Watch	SLING	1	None	9.5	0	90	NO	Excel	Stop
C1611	08/18	11:45	Watch	VIB	1	None	9.5	0	90	NO	Excel	Start (sheets)
C1612	08/18	11:46	Watch	SLING	1	None	9.5	0	90	NO	Excel	Stop
C1613	08/18	11:50	Watch	VIB	1	None	9.5	0	90	NO	Excel	Start (sheets) on and off
C1614	08/18	11:53	Watch	SLING	1	None	9.5	0	90	NO	Excel	Stop
C1615	08/18	12:29	Watch	No Work	1	None	9.5	0	90	NO	Excel	Swalling break
C1616	08/18	13:00	Watch	STAB	1	None	9.5	0	90	NO	Excel	Back to work
C1617	08/18	13:12	Watch	VIB	1	None	9.5	0	90	NO	Excel	Start (sheets) on and off
C1618	08/18	13:15	Watch	SLING	1	None	9.5	0	90	NO	Excel	Stop
C1619	08/18	13:21	Watch	VIB	1	None	9.5	0	90	NO	Excel	Start (sheets) on and off
C1620	08/18	13:24	Watch	SLING	1	None	9.5	0	90	NO	Excel	Stop
C1621	08/18	13:31	Watch	VIB	1	None	9.5	0	90	NO	Excel	Start
C1622	08/18	13:32	Watch	SLING	1	None	9.5	0	90	NO	Excel	Stop
C1623	08/18	13:38	Watch	VIB	1	None	9.5	0	90	NO	Excel	Start (sheets)

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1624	08/18	13:39	Watch	SLING	1	None	9.5	0	90	NO	Excel	Stop
C1625	08/18	13:41	Watch	VIB	1	None	9.5	0	90	NO	Excel	Start
C1626	08/18	13:42	Watch	SLING	1	None	9.5	0	90	NO	Excel	Stop
C1627	08/18	13:58	Watch	VIBR	1	None	9.5	0	90	NO	Excel	pull H-pile
C1628	08/18	13:59	Watch	SLING	1	None	9.5	0	90	NO	Excel	Stop
C1629	08/18	14:01	Watch	VIB	1	None	9.5	0	90	NO	Excel	put H-pile in cell 14, resistant
C1630	08/18	14:12	Watch	SLING	1	None	9.5	0	90	NO	Excel	Stop, took a while
C1631	08/18	14:24	Watch	VIB/VIBR	2	Light	9	0	80	NO	Excel	Start (H-pile) in and out to dig into sediment outside of water on North side of dock
C1632	08/18	14:37	Watch	SLING	2	Light	9	0	75	NO	Excel	Stop
C1633	08/18	14:38	Watch	VIB	2	Light	9	0	75	NO	Excel	Start same H-pile outside of water/ FT OFF KMS ON
C1634	08/18	15:18	Watch	SLING	2	Light	9	0	75	NO	Excel	Stop
C1635	08/18	15:25	Watch	No Work	2	Light	9.5	0	60	NO	Excel	Swalling on break
C1636	08/18	15:55	Watch	VIBR	2	Light	9.5	0	60	NO	Excel	Start (removing same H-pile into and out of sediment outside of water)
C1637	08/18	15:56	Watch	SLING	2	Light	9.5	0	60	NO	Excel	Stop
C1638	08/18	15:57	Watch	VIB	2	Light	9.5	0	60	NO	Excel	Start (driving H-pile into land) ones on land take longer to drive
C1639	08/18	16:08	Watch	SLING	2	Light	9.5	0	60	NO	Excel	Stop
C1640	08/18	16:38	Watch	SLING	2	Light	9.5	5	50	NO	Excel	Installing template
C1641	08/18	17:07	Watch	SLING	2	Light	9.5	10	30	NO	Excel	
C1642	08/18	17:26	Watch	STAB	2	Light	9.5	10	30	NO	Excel	
C1643	08/18	17:57	Watch	STAB	2	Light	10	15	20	NO	Excel	KMS OFF; FT ON
C1644	08/18	18:07	Watch	VIB	2	Light	10	15	20	NO	Excel	Start (sheets)
C1645	08/18	18:09	Watch	SLING	2	Light	10	15	20	NO	Excel	Stop
C1646	08/18	18:15	Watch	VIB	2	Light	10	15	20	NO	Excel	Start (sheets)
C1647	08/18	18:19	Watch	SLING	2	Light	10	15	20	NO	Excel	Stop
C1648	08/18	18:26	Watch	VIB	2	Light	10	15	20	NO	Excel	Start (sheets)
C1649	08/18	18:27	Watch	SLING	2	Light	10	15	20	NO	Excel	Stop
C1650	08/18	18:32	Watch	VIB	2	Light	10	5	75	NO	Excel	Start (sheets)
C1651	08/18	18:33	Watch	SLING	2	Light	10	5	75	NO	Excel	Stop
C1652	08/18	18:37	Watch	VIB	2	Light	10	5	75	NO	Excel	Start (sheets)
C1653	08/18	18:38	Watch	SLING	2	Light	10	5	75	NO	Excel	Stop (Last pile drive of the day)
C1654	08/18	18:39	Watch	POST	2	Light	10	5	75	NO	Excel	Start POST watch
C1655	08/18	19:08	End	POST	2	Light	10	5	75	NO	Excel	End of observations.
C1656	08/19	7:00	Start	PRE	2	None	9	0	85	NO	Excel	KMS ON watch, Start pre am clear

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1657	08/19	7:30	Watch	STAB	2	None	9	1	80	NO	Excel	All clear
C1658	08/19	8:01	Watch	VIB	2	Light	9.5	2	85	NO	Excel	Start (sheets)
C1659	08/19	8:05	Watch	SLING	2	Light	9.5	2	85	NO	Excel	Stop
C1660	08/19	8:11	Watch	VIB	2	Light	9.5	2	85	NO	Excel	Start (sheets)
C1661	08/19	8:12	Watch	SLING	2	Light	9.5	2	85	NO	Excel	Stop
C1662	08/19	8:13	Watch	No Work	2	Light	9.5	2	85	NO	Excel	Swalling on break
C1663	08/19	8:43	Watch	No Work	2	Light	9.5	0	90	NO	Excel	No over water work
C1664	08/19	9:04	Watch	VIB	2	None	9.5	0	85	NO	Excel	Start (sheets)
C1665	08/19	9:08	Watch	SLING	2	None	9.5	0	85	NO	Excel	Stop
C1666	08/19	9:12	Watch	VIB	2	None	9.5	0	85	NO	Excel	Start (sheets)
C1667	08/19	9:14	Watch	SLING	2	None	9.5	0	85	NO	Excel	Stop
C1668	08/19	9:19	Watch	VIB	2	None	9.5	0	85	NO	Excel	Start (sheets)
C1669	08/19	9:21	Watch	SLING	2	None	9.5	0	85	NO	Excel	Stop
C1670	08/19	9:41	Watch	STAB	3	Light	9.5	0	70	NO	Good	Low 3
C1671	08/19	10:10	Watch	STAB	3	Light	9.5	0	70	NO	Good	
C1672	08/19	10:31	Watch	VIB	3	Light	9.5	0	75	NO	Good	Start (sheets)
C1673	08/19	10:33	Watch	SLING	3	Light	9.5	0	75	NO	Good	Stop
C1674	08/19	10:39	Watch	VIB	3	Light	9.5	0	75	NO	Good	Start (sheets)
C1675	08/19	10:43	Watch	SLING	3	Light	9.5	0	75	NO	Good	Stop
C1676	08/19	10:48	Watch	VIB	3	Light	9.5	0	75	NO	Good	Start (sheets)
C1677	08/19	10:49	Watch	SLING	3	Light	9.5	0	75	NO	Good	Stop
C1678	08/19	10:53	Watch	VIB	3	Light	9.5	0	75	NO	Good	Start (sheets)
C1679	08/19	10:54	Watch	SLING	3	Light	9.5	0	75	NO	Good	Stop- KMS OFF FT ON
C1680	08/19	10:57	Watch	VIB	3	Light	9.5	0	75	NO	Good	Start (sheets)
C1681	08/19	10:58	Watch	SLING	3	Light	9.5	0	75	NO	Good	Stop
C1682	08/19	11:00	Watch	VIB	3	Light	9.5	0	75	NO	Good	Start (sheets) on and off
C1683	08/19	11:02	Watch	SLING	3	Light	9.5	0	75	NO	Good	Stop
C1684	08/19	11:07	Watch	VIB	3	Light	9.5	0	75	NO	Good	Start (sheets)
C1685	08/19	11:08	Watch	SLING	3	Light	9.5	0	75	NO	Good	Stop
C1686	08/19	11:20	Watch	VIB	3	Light	9.5	0	75	NO	Good	Start (sheets)
C1687	08/19	11:21	Watch	SLING	3	Light	9.5	0	75	NO	Good	Stop
C1688	08/19	11:22	Watch	VIB	3	Light	9.5	0	75	NO	Good	Start (sheets)
C1689	08/19	11:23	Watch	SLING	3	Light	9.5	0	75	NO	Good	Stop

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1690	08/19	11:25	Watch	VIB	3	Light	9.5	0	75	NO	Good	Start (sheets)
C1691	08/19	11:26	Watch	SLING	3	Light	10	0	85	NO	Good	Stop
C1692	08/19	11:32	Watch	VIB	3	Light	10	0	85	NO	Good	Start (sheets)
C1693	08/19	11:33	Watch	SLING	3	Light	10	0	85	NO	Good	Stop
C1694	08/19	11:37	Watch	VIB	3	Light	10	0	85	NO	Good	Start (sheets)
C1695	08/19	11:38	Watch	SLING	3	Light	10	0	85	NO	Good	Stop
C1696	08/19	12:11	Watch	VIB	3	Light	10	0	85	NO	Good	Start (sheets)
C1697	08/19	12:12	Watch	SLING	3	Light	10	0	85	NO	Good	Stop
C1698	08/19	12:55	Watch	VIB	3	Light	10	0	85	NO	Good	Start (sheets)
C1699	08/19	12:57	Watch	SLING	3	Light	10	0	85	NO	Good	Stop
C1700	08/19	13:02	Watch	VIB	3	Light	10	0	85	NO	Good	Start (sheets)
C1701	08/19	13:03	Watch	SLING	3	Light	10	0	85	NO	Good	Stop
C1702	08/19	13:05	Watch	VIB	3	Light	10	0	85	NO	Good	Start (Sheets)
C1703	08/19	13:06	Watch	SLING	3	Light	10	0	85	NO	Good	Stop
C1704	08/19	13:12	Watch	VIB	3	Light	10	0	85	NO	Good	Start (sheets)
C1705	08/19	13:14	Watch	SLING	3	Light	10	0	85	NO	Good	Stop
C1706	08/19	13:16	Watch	VIB	3	Light	10	0	85	NO	Good	Start (sheets)
C1707	08/19	13:17	Watch	SLING	3	Light	10	0	85	NO	Good	Stop
C1708	08/19	13:22	Watch	VIB	3	Light	10	0	85	NO	Good	Start (sheets)
C1709	08/19	13:23	Watch	SLING	3	Light	10	0	85	NO	Good	Stop
C1710	08/19	13:28	Watch	VIB	3	Light	10	0	85	NO	Good	Start (sheets) on and off
C1711	08/19	13:32	Watch	SLING	3	Light	10	0	85	NO	Good	Stop
C1712	08/19	13:40	Watch	VIB	3	Light	10	0	85	NO	Good	Start (H-pile)
C1713	08/19	13:42	Watch	SLING	3	Moderate	8	0	85	NO	Fair	Stop
C1714	08/19	14:20	Watch	SLING	3	Moderate	8	0	85	NO	Fair	
C1715	08/19	14:37	Watch	VIBR	3	Moderate	8	0	85	NO	Fair	Removed same H-pile
C1716	08/19	14:38	Watch	SLING	3	Moderate	8	0	85	NO	Fair	Stop
C1717	08/19	14:39	Watch	VIB	3	Moderate	8	0	85	NO	Fair	start driving H-pile outside of water on North side of dock
C1718	08/19	14:43	Watch	SLING	4	Moderate	8	0	70	NO	Fair	Stop
C1719	08/19	15:00	Watch	STAB	4	Moderate	9	0	70	NO	Fair	FT OFF, KMS ON
C1720	08/19	15:29	Watch	STAB	4	Moderate	9	0	60	NO	Fair	High 4
C1721	08/19	15:43	Watch	VIB	4	Moderate	9	0	55	NO	Fair	Start (sheets)
C1722	08/19	15:46	Watch	SLING	4	Moderate	9	0	55	NO	Fair	Stop

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1723	08/19	15:51	Watch	VIB	4	Moderate	9	0	55	NO	Fair	Start (sheets)
C1724	08/19	15:54	Watch	SLING	4	Moderate	9	0	55	NO	Fair	Stop
C1725	08/19	16:02	Watch	VIB	4	Moderate	9	0	55	NO	Fair	Start (sheets)
C1726	08/19	16:04	Watch	SLING	4	Moderate	9	0	55	NO	Fair	Stop
C1727	08/19	16:05	Watch	VIB	4	Moderate	9	0	55	NO	Fair	Start (sheets)
C1728	08/19	16:09	Watch	SLING	4	Moderate	9	0	55	NO	Fair	Stop
C1729	08/19	16:17	Watch	VIB	3	Moderate	9.5	15	65	NO	Good	Start (sheets) high 3
C1730	08/19	16:18	Watch	SLING	3	Moderate	9.5	15	65	NO	Good	Stop
C1731	08/19	16:23	Watch	STAB	3	Moderate	9.5	15	65	NO	Good	
C1732	08/19	16:52	Watch	VIB	3	Moderate	9.5	15	70	NO	Good	Start (sheets)
C1733	08/19	16:55	Watch	SLING	4	Moderate	9.5	15	70	NO	Fair	Stop
C1734	08/19	16:58	Watch	VIB	4	Moderate	9.5	15	70	NO	Fair	Start (sheets)
C1735	08/19	16:59	Watch	SLING	4	Moderate	9.5	15	70	NO	Fair	Stop
C1736	08/19	17:00	Watch	VIB	4	Moderate	9.5	15	70	NO	Fair	Start (sheets)
C1737	08/19	17:05	Watch	SLING	4	Moderate	9.5	15	70	NO	Fair	Stop
C1738	08/19	17:07	Watch	VIB	4	Moderate	9.5	15	70	NO	Fair	Start (sheets)
C1739	08/19	17:10	Watch	SLING	4	Moderate	9.5	15	70	NO	Fair	Stop
C1740	08/19	17:24	Watch	VIB	4	Moderate	9.5	15	70	NO	Fair	Start (sheets)
C1741	08/19	17:28	Watch	SLING	4	Moderate	9.5	15	70	NO	Fair	Stop
C1742	08/19	17:44	Watch	STAB	3	Moderate	10	0	60	NO	Good	
C1743	08/19	17:55	Watch	VIB	3	Moderate	10	0	60	NO	Good	Start (anchor pile) on and off
C1744	08/19	18:04	Watch	SLING	3	Moderate	10	0	60	NO	Good	Stop- KMS OFF FT ON
C1745	08/19	18:06	Watch	VIB	3	Moderate	10	0	60	NO	Good	Start (Sheets)
C1746	08/19	18:09	Watch	SLING	3	Moderate	10	0	60	NO	Good	Stop
C1747	08/19	18:10	Watch	VIB	3	Moderate	10	0	60	NO	Good	Start (Sheets)
C1748	08/19	18:11	Watch	SLING	3	Moderate	10	0	60	NO	Good	Stop
C1749	08/19	18:13	Watch	VIB	3	Moderate	10	0	60	NO	Good	Start (Sheets)
C1750	08/19	18:14	Watch	SLING	3	Moderate	10	0	60	NO	Good	Stop
C1751	08/19	18:16	Watch	VIB	3	Moderate	10	0	60	NO	Good	Start (Sheets)
C1752	08/19	18:17	Watch	SLING	3	Moderate	10	0	60	NO	Good	Stop
C1753	08/19	18:18	Watch	VIB	3	Moderate	10	0	60	NO	Good	Start (sheets)
C1754	08/19	18:19	Watch	SLING	3	Moderate	10	0	60	NO	Good	Stop
C1755	08/19	18:21	Watch	VIB	3	Moderate	9.5	0	60	NO	Good	Start (sheets)

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1756	08/19	18:22	Watch	SLING	3	Moderate	9.5	0	60	NO	Good	Stop
C1758	08/19	18:24	Watch	SLING	3	Moderate	9.5	0	60	NO	Good	Stop, only few seconds
C1757	08/19	18:24	Watch	VIBR	3	Moderate	9.5	0	60	NO	Good	Removing H-Pile that was outside of water
C1760	08/19	18:27	Watch	SLING	3	Moderate	9.5	0	60	NO	Good	Stop- only 30 seconds
C1759	08/19	18:27	Watch	VIB	3	Moderate	9.5	0	60	NO	Good	Start driving same H-pile into cell 12, possibly only temporarily
C1761	08/19	18:28	Watch	POST	3	Moderate	9.5	0	60	NO	Good	Start 30 mins POST watch
C1762	08/19	19:00	End	POST	3	Moderate	9.5	0	60	NO	Good	End of observations
C1763	08	7:00	Start	PRE	3	Light	9	0	60	HFOG	Good	KMS ON; Start am clear (Fog at distance to the NW)
C1764	08	7:30	Watch	No Work	3	Moderate	9	0	40	HFOG	Good	All clear; Fog still in NW
C1765	08	8:02	Watch	SLING	3	Moderate	9.5	0	90	NO	Fair	High 3
C1766	08	8:33	Watch	SLING	3	Moderate	9.5	0	50	NO	Good	
C1767	08	8:42	Watch	VIBR	3	Moderate	9.5	0	85	NO	Good	Start (remove H-pile)
C1768	08	8:45	Watch	SLING	3	Moderate	9.5	0	85	NO	Good	Stop
C1769	08	8:48	Watch	VIB	3	Moderate	9.5	0	85	NO	Good	Start (H-pile)
C1770	08	8:49	Watch	SLING	3	Moderate	9.5	0	85	NO	Good	Stop
C1771	08	8:54	Watch	VIB	3	Moderate	9.5	0	85	NO	Good	Start (remove H-pile)
C1772	08	8:57	Watch	SLING	3	Moderate	9.5	0	85	NO	Good	Stop
C1773	08	9:00	Watch	VIB/VIBR	3	Moderate	9.5	0	85	NO	Good	Start (H-pile) Driving in and out
C1774	08	9:07	Watch	SLING	3	Moderate	9.5	0	85	NO	Good	Stop
C1775	08	9:11	Watch	VIBR	3	Moderate	9.5	0	85	NO	Good	Start (H-pile)
C1776	08	9:12	Watch	SLING	3	Moderate	9.5	0	85	NO	Good	Stop
C1777	08	9:13	Watch	VIB	3	Moderate	9.5	0	85	NO	Good	Start (H-Pile)
C1778	08	9:14	Watch	SLING	3	Moderate	9.5	0	85	NO	Good	Stop
C1779	08	9:44	Watch	SLING	3	Moderate	9.5	0	85	NO	Good	Removing template
C1780	08	10:03	Watch	VIBR	3	Moderate	9.5	5	85	NO	Good	Start (removing H-pile)
C1781	08	10:05	Watch	SLING	3	Moderate	9.5	5	85	NO	Good	Stop
C1782	08	10:07	Watch	VIB	3	Moderate	9.5	5	85	NO	Good	Start (H-pile)
C1783	08	10:08	Watch	SLING	3	Moderate	9.5	5	85	NO	Good	Stop
C1784	08	10:22	Watch	VIBR	3	Moderate	9.5	5	75	NO	Good	Start (remove H-pile)
C1785	08	10:24	Watch	SLING	3	Moderate	9.5	5	75	NO	Good	Stop
C1786	08	10:25	Watch	VIB	3	Moderate	9.5	5	75	NO	Good	Start (H-pile)
C1787	08	10:26	Watch	SLING	3	Moderate	9.5	5	75	NO	Good	Stop
C1788	08	10:29	Watch	VIB	3	Moderate	9.5	5	75	NO	Good	Start (sheets) VIB on and off continuously

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1789	08	10:38	Watch	SLING	3	Moderate	9.5	5	75	NO	Good	Stop- higher Sea state to the south
C1790	08	10:40	Watch	VIB	3	Moderate	9.5	5	75	NO	Good	Start (sheets) VIB on and off continuously
C1791	08	10:45	Watch	SLING	3	Moderate	9.5	5	75	NO	Good	Stop
C1792	08	10:47	Watch	VIB	3	Moderate	9.5	5	75	NO	Good	Start (sheets)
C1793	08	10:48	Watch	SLING	3	Moderate	9.5	5	75	NO	Good	Stop
C1794	08	10:50	Watch	VIB	3	Moderate	9.5	5	75	NO	Good	Start (sheets) VIB on and off continuously
C1795	08	10:55	Watch	SLING	3	Moderate	9.5	5	75	NO	Good	Stop
C1796	08	10:57	Watch	VIB	3	Moderate	9.5	5	75	NO	Good	Start (sheets) KMS OFF FT ON
C1797	08	10:58	Watch	SLING	3	Moderate	9.5	5	75	NO	Good	Stop
C1798	08	10:59	Watch	VIB	3	Moderate	9.5	5	75	NO	Good	Start (sheets)
C1799	08	11:00	Watch	SLING	3	Moderate	9.5	5	75	NO	Good	Stop
C1800	08	11:02	Watch	VIB	3	Moderate	9.5	5	75	NO	Good	Start (sheets)
C1801	08	11:03	Watch	SLING	3	Moderate	9.5	5	75	NO	Good	Stop
C1802	08	11:04	Watch	VIB	3	Moderate	9.5	5	75	NO	Good	Start
C1803	08	11:05	Watch	SLING	3	Moderate	9.5	5	75	NO	Good	Stop
C1804	08	11:06	Watch	VIB	3	Moderate	9.5	5	75	NO	Good	Start (sheets)
C1805	08	11:07	Watch	SLING	3	Moderate	10	0	85	NO	Good	Stop
C1806	08	11:30	Watch	SLING	3	Moderate	10	0	85	NO	Good	moving silt curtain
C1807	08	12:00	Watch	No Work	3	Moderate	10	0	85	NO	Good	Swalling break
C1808	08	12:30	Watch	No Work	3	Moderate	10	0	60	NO	Good	Still on break
C1809	08	13:00	Watch	Other	3	Moderate	10	0	60	NO	Good	Working on silton curtain
C1810	08	13:30	Watch	No Work	3	Moderate	10	5	30	NO	Good	No over water work
C1811	08	13:39	Watch	VIBR	3	Moderate	10	5	30	NO	Good	pull H-pile
C1812	08	13:40	Watch	SLING	3	Moderate	10	5	30	NO	Good	Stop
C1813	08	13:45	Watch	VIB	3	Moderate	10	5	30	NO	Good	pull anOther H-pile
C1814	08	13:46	Watch	SLING	3	Moderate	10	5	30	NO	Good	stop
C1815	08	13:54	Watch	VIBR	3	Moderate	10	5	30	NO	Good	Start driving H-pile
C1816	08	13:55	Watch	SLING	3	Moderate	10	5	30	NO	Good	Stop
C1817	08	13:57	Watch	VIB	3	Moderate	10	5	30	NO	Good	Start pulling H-pile
C1818	08	13:58	Watch	SLING	3	Moderate	10	5	30	NO	Good	Stop
C1819	08	14:02	Watch	VIBR	3	Moderate	10	5	30	NO	Good	Start pulling H-pile
C1820	08	14:03	Watch	SLING	3	Moderate	10	5	30	NO	Good	Stop
C1822	08	14:05	Watch	SLING	3	Moderate	10	5	30	NO	Good	Stop quick one

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1821	08	14:05	Watch	VIB	3	Moderate	10	5	30	NO	Good	Start
C1823	08	14:10	Watch	VIBR	3	Moderate	10	5	30	NO	Good	Start pulling H-pile
C1824	08	14:11	Watch	SLING	3	Moderate	10	5	30	NO	Good	Stop
C1826	08	14:13	Watch	SLING	3	Moderate	10	0	25	NO	Good	Stop
C1825	08	14:13	Watch	VIB	3	Moderate	10	5	30	NO	Good	Start (sheets)
C1827	08	14:19	Watch	VIBR	3	Moderate	10	0	25	NO	Good	Start (H-Pile)
C1828	08	14:20	Watch	SLING	3	Moderate	10	0	25	NO	Good	Stop
C1830	08	14:23	Watch	SLING	3	Moderate	10	0	25	NO	Good	Stop
C1829	08	14:23	Watch	VIB	3	Moderate	10	0	25	NO	Good	Start driving
C1831	08	15:00	Watch	No Work	4	Moderate	10	0	10	NO	Fair	FT OFF KMS ON- no over water work
C1832	08	15:33	Watch	SLING	5	Moderate	10	5	5	NO	Fair	Sea state building
C1833	08	16:04	Watch	SLING	5	Moderate	10	5	5	NO	Fair	
C1834	08	16:24	Watch	VIBR	5	Moderate	10	5	5	NO	Fair	Start (remove z sheet)
C1835	08	16:25	Watch	SLING	5	Moderate	10	5	5	NO	Fair	Stop
C1836	08	16:28	Watch	VIB	5	Moderate	10	5	5	NO	Fair	Start (z-sheet)
C1837	08	16:29	Watch	SLING	5	Moderate	10	5	5	NO	Fair	Stop
C1838	08	17:01	Watch	No Work	5	Moderate	10	10	10	NO	Fair	No over water work
C1839	08	17:32	Watch	No Work	5	Moderate	10	15	5	NO	Fair	Swalling on break-Low 5
C1840	08	18:00	Watch	VIBR	5	Moderate	10	15	5	NO	Fair	KMS OFF FT ON Start driving Z-sheet
C1841	08	18:01	Watch	SLING	5	Moderate	10	15	5	NO	Fair	Stop
C1842	08	18:02	Watch	VIB/VIBR	5	Moderate	10	15	5	NO	Fair	Start driving in and out continuously
C1843	08	18:05	Watch	SLING	5	Moderate	10	15	5	NO	Fair	Stop
C1845	08	18:27	Watch	SLING	5	Moderate	10	15	5	NO	Fair	Stop
C1844	08	18:27	Watch	VIBR	5	Moderate	10	15	5	NO	Fair	Pull H-pile
C1847	08	18:29	Watch	SLING	5	Moderate	10	15	5	NO	Fair	Stop- Less than a minute
C1846	08	18:29	Watch	VIB	5	Moderate	10	15	5	NO	Fair	Start H-pile
C1848	08	18:31	Watch	VIBR	5	Moderate	10	15	5	NO	Fair	Start driving H-pile
C1849	08	18:32	Watch	SLING	5	Moderate	10	15	5	NO	Fair	Stop
C1851	08	18:33	Watch	SLING	5	Moderate	10	15	5	NO	Fair	Stop- Less than a minute
C1850	08	18:33	Watch	VIB	5	Moderate	10	15	5	NO	Fair	Start driving H-pile
C1852	08	18:34	Watch	POST	5	Moderate	10	15	5	NO	Fair	Start 30 mins POST watch
C1853	08	19:03	End	POST	5	Moderate	10	15	5	NO	Fair	End of observations
C1854	08/21	7:00	Start	PRE	2	Light	6	0	60	HFOG	Fair	KMS ON; Start am clear/ Fog , low lying clouds restricting view

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1855	08/21	7:30	Watch	No Work	2	Light	7.5	0	40	HFOG	Fair	All Clear, Fog fading out
C1856	08/21	7:41	Watch	VIBR	2	Light	7.5	0	40	HFOG	Fair	Start (remove H-pile) (restricted view while swalling works on cell 6-8. Must stay within connex for watch for safety. 55-285 degrees view
C1857	08/21	7:43	Watch	SLING	2	Light	7.5	0	40	HFOG	Fair	Stop
C1858	08/21	7:44	Watch	VIB	2	Light	7.5	0	40	HFOG	Fair	Start (H-pile)
C1859	08/21	7:45	Watch	SLING	2	Light	7.5	0	40	HFOG	Fair	Stop
C1860	08/21	7:47	Watch	VIBR	2	Light	7.5	0	40	HFOG	Fair	Start (H-pile)
C1861	08/21	7:49	Watch	SLING	2	Light	7.5	0	40	HFOG	Fair	Stop
C1862	08/21	7:51	Watch	VIB	2	Light	7.5	0	40	HFOG	Fair	Start (H-pile)
C1863	08/21	7:52	Watch	SLING	2	Light	7.5	0	40	HFOG	Fair	Stop
C1864	08/21	7:55	Watch	VIBR	2	Light	7.5	0	40	HFOG	Fair	Start (remove H-pile)
C1865	08/21	7:56	Watch	SLING	2	Light	7.5	0	40	HFOG	Fair	Stop
C1866	08/21	7:58	Watch	VIB	2	None	6	0	60	HFOG	Fair	Start (H-pile)
C1867	08/21	7:59	Watch	SLING	2	None	6	0	60	HFOG	Fair	Stop
C1868	08/21	8:36	Watch	VIBR	2	None	7.5	0	70	LFOG	Good	Start (remove H-pile)
C1869	08/21	8:37	Watch	SLING	2	None	7.5	0	70	LFOG	Good	Stop
C1870	08/21	8:39	Watch	VIB	2	None	7.5	0	70	LFOG	Good	Start (H-Pile)
C1871	08/21	8:40	Watch	SLING	2	None	7.5	0	70	LFOG	Good	Stop
C1872	08/21	8:49	Watch	SLING	1	None	8.5	15	85	LFOG	Good	Fog still there but further out and burning off quickly
C1873	08/21	9:08	Watch	SLING	0	None	8.5	20	20	LFOG	Excel	welding from basket; fog receding except to NE
C1874	08/21	9:19	Watch	No Work	0	None	8.5	20	20	LFOG	Excel	No over water work
C1875	08/21	9:47	Watch	No Work	1	None	6	15	20	HFOG	Good	Fog moving in and out
C1876	08/21	10:12	Watch	SLING	1	None	9	10	15	LFOG	Excel	Fog mostly faded
C1877	08/21	10:34	Watch	SLING	0	None	10	5	10	NO	Excel	Deploying silt curtain
C1878	08/21	10:58	Watch	No Work	0	None	10	5	10	NO	Excel	FT ON KMS OFF, no over water work
C1879	08/21	11:30	Watch	No Work	0	None	10	5	10	NO	Excel	
C1880	08/21	11:45	Break	No Work	0	None	10	5	10	NO	Excel	PSOs off-watch
C1881	08/21	14:00	Start	PRE	2	None	10	0	0	NO	Excel	KMS ON; Start pre-clear
C1882	08/21	14:35	Watch	SLING	2	None	10	0	0	NO	Excel	All clear
C1883	08/21	14:55	Watch	VIBR	1	None	10	0	0	NO	Excel	Start (remove H-pile)
C1884	08/21	14:56	Watch	SLING	1	None	10	0	0	NO	Excel	Stop
C1885	08/21	15:04	Watch	VIB	1	None	10	0	0	NO	Excel	Start (H-pile)
C1886	08/21	15:05	Watch	SLING	1	None	10	0	0	NO	Excel	Stop

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1887	08/21	15:15	Watch	No Work	1	None	10	0	0	NO	Excel	No over water work- low 1
C1888	08/21	15:39	Watch	SLING	1	None	10	0	0	NO	Excel	Installing template
C1889	08/21	16:14	Watch	SLING	1	None	10	5	5	NO	Excel	
C1890	08/21	16:50	Watch	SLING	2	None	10	5	10	NO	Excel	
C1891	08/21	17:20	Watch	No Work	2	None	10	10	5	NO	Excel	No over water work
C1892	08/21	17:46	Watch	SLING	2	None	10	10	5	NO	Excel	Start (remove H-pile)
C1893	08/21	17:47	Watch	VIB	2	None	10	10	5	NO	Excel	Stop
C1894	08/21	17:51	Watch	SLING	2	None	10	10	5	NO	Excel	Start (H-pile)
C1895	08/21	17:53	Watch	SLING	2	None	10	10	5	NO	Excel	Stop (Last pile drive of the day)
C1896	08/21	18:06	Watch	POST	2	None	10	10	5	NO	Excel	FT ON welding template
C1897	08/21	18:30	Watch	POST	2	None	10	10	5	NO	Excel	start 30 min POST watch
C1898	08/21	19:00	End	POST	2	None	10	10	5	NO	Excel	End of day
C1899	08/22	7:00	Start	PRE	2	Light	9	0	35	NO	Good	KMS ON; Start am clear
C1900	08/22	7:30	Watch	SLING	2	Light	9.5	0	60	NO	Good	All clear
C1901	08/22	8:02	Watch	STAB	2	Light	10	5	30	NO	Excel	
C1902	08/22	8:35	Watch	STAB	3	Light	10	0	15	NO	Good	Low 3
C1903	08/22	9:03	Watch	STAB	3	Light	10	0	10	NO	Good	
C1904	08/22	9:18	Watch	VIB	2	Light	10	0	15	NO	Excel	Start (Sheets)
C1905	08/22	9:20	Watch	SLING	2	Light	10	0	15	NO	Excel	Stop
C1906	08/22	9:36	Watch	VIB	2	Light	10	0	15	NO	Excel	Start (sheets)
C1907	08/22	9:38	Watch	SLING	2	Light	10	0	15	NO	Excel	Stop
C1908	08/22	9:44	Watch	STAB	2	Light	10	0	15	NO	Excel	
C1909	08/22	10:15	Watch	STAB	2	Light	10	0	10	NO	Excel	
C1910	08/22	10:50	Watch	VIB	2	Light	10	0	25	NO	Excel	Start (sheets)
C1911	08/22	10:52	Watch	SLING	2	Light	10	0	25	NO	Excel	Stop
C1912	08/22	10:56	Watch	VIB	2	Light	10	0	25	NO	Excel	Start (sheets)
C1913	08/22	10:58	Watch	SLING	2	Light	10	0	25	NO	Excel	Stop
C1914	08/22	11:03	Watch	VIB	2	Light	10	0	25	NO	Excel	Start (sheets)
C1915	08/22	11:05	Watch	SLING	2	Light	10	0	25	NO	Excel	Stop
C1916	08/22	11:38	Watch	STAB	2	Light	10	0	40	NO	Excel	CC increasing fast
C1917	08/22	12:00	Watch	No Work	2	Light	10	0	40	NO	Excel	Swalling break
C1918	08/22	12:30	Watch	No Work	2	Light	10	0	40	NO	Excel	
C1919	08/22	12:45	Watch	STAB	2	Light	10	0	40	NO	Excel	

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1920	08/22	12:58	Watch	VIB	1	None	10	0	75	DR	Excel	Start (sheets)
C1921	08/22	12:59	Watch	SLING	1	None	10	0	75	DR	Excel	Stop
C1922	08/22	13:06	Watch	VIB	1	None	10	0	80	DR	Excel	Start (sheets)
C1923	08/22	13:07	Watch	SLING	1	None	10	0	80	DR	Excel	Stop
C1924	08/22	13:11	Watch	VIB	1	None	10	0	80	DR	Excel	Start (sheets)
C1925	08/22	13:14	Watch	SLING	1	None	10	0	80	DR	Excel	Stop
C1926	08/22	13:30	Watch	STAB	1	None	10	0	80	DR	Excel	
C1927	08/22	14:00	Watch	STAB	1	None	10	0	80	NO	Excel	
C1928	08/22	14:07	Watch	VIB	1	None	10	0	80	NO	Excel	Start (sheets)
C1929	08/22	14:09	Watch	SLING	1	None	10	0	80	NO	Excel	Stop
C1930	08/22	14:15	Watch	VIB	1	None	10	0	80	NO	Excel	Start (sheets)
C1931	08/22	14:17	Watch	SLING	1	None	10	0	80	NO	Excel	Stop
C1932	08/22	14:25	Watch	VIB	1	None	10	0	80	NO	Excel	Start (sheets)
C1933	08/22	14:26	Watch	SLING	1	None	10	0	80	NO	Excel	Stop
C1934	08/22	14:40	Watch	STAB	1	None	10	0	90	NO	Excel	
C1935	08/22	15:00	Watch	STAB	1	None	10	0	90	NO	Excel	KMS on; F'T off
C1936	08/22	15:12	Watch	VIB	1	None	10	0	90	NO	Excel	Start (sheets)
C1937	08/22	15:15	Watch	SLING	1	None	10	0	90	NO	Excel	Stop
C1938	08/22	15:22	Watch	VIB	1	None	10	0	90	NO	Excel	Start (sheets)
C1939	08/22	15:25	Watch	SLING	1	None	10	0	90	NO	Excel	Stop
C1940	08/22	15:31	Watch	VIB	1	None	10	0	90	NO	Excel	Start (sheets)
C1941	08/22	15:32	Watch	SLING	1	None	10	0	90	NO	Excel	Stop
C1942	08/22	15:39	Watch	STAB	2	Light	10	0	70	NO	Excel	
C1943	08/22	16:08	Watch	STAB	2	Light	10	0	90	NO	Good	Clouds coming in from the S
C1944	08/22	16:39	Watch	STAB	2	Light	10	0	95	NO	Good	
C1945	08/22	17:03	Watch	VIB	2	Light	10	0	100	NO	Good	Start (sheets)
C1946	08/22	17:05	Watch	SLING	2	Light	10	0	100	NO	Good	Stop
C1947	08/22	17:09	Watch	VIB	2	Light	10	0	100	NO	Good	Start (sheets)
C1948	08/22	17:10	Watch	SLING	2	Light	10	0	100	NO	Good	Stop
C1949	08/22	17:20	Watch	VIB	2	Light	10	0	100	NO	Good	Start (sheets)
C1950	08/22	17:22	Watch	SLING	2	Light	10	0	100	NO	Good	Stop
C1951	08/22	17:27	Watch	VIB	2	Light	10	0	100	NO	Good	Start (sheets)
C1952	08/22	17:28	Watch	SLING	2	Light	10	0	100	NO	Good	Stop

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1953	08/22	17:32	Watch	VIB	2	Light	10	0	100	NO	Good	Start (sheets and y-pile)
C1954	08/22	17:33	Watch	SLING	2	Light	10	0	100	NO	Good	Stop
C1955	08/22	17:38	Watch	VIB	2	Light	10	0	100	NO	Good	Start (sheets)
C1956	08/22	17:40	Watch	SLING	2	Light	10	0	100	NO	Good	Stop
C1957	08/22	17:42	Watch	VIB	2	Light	10	0	100	NO	Good	Start (sheets)
C1958	08/22	17:43	Watch	SLING	2	Light	10	0	100	NO	Good	Stop
C1959	08/22	17:47	Watch	VIB	2	Light	10	0	100	NO	Good	Start (sheets)
C1960	08/22	17:48	Watch	SLING	2	Light	10	0	100	NO	Good	Stop
C1961	08/22	18:00	Watch	POST	2	Light	10	0	100	NO	Good	FT ON KMS OFF start 30 mins POST watch
C1962	08/22	18:30	End	POST	2	Light	10	0	100	NO	Good	End of day
C1963	08/26	15:42	Start	PRE	2	Light	10	20	10	NO	Excel	Start of clear
C1964	08/26	16:12	Watch	STAB	2	Light	10	20	15	NO	Excel	Sheets
C1965	08/26	16:26	Watch	VIB	2	Light	10	20	15	NO	Excel	Sheets
C1966	08/26	16:42	Watch	STAB	2	Light	10	20	15	NO	Excel	Sheets
C1967	08/26	17:12	Watch	STAB	2	Light	10	20	20	NO	Excel	Sheets
C1968	08/26	17:42	Watch	No Work	3	Light	10	20	20	NO	Good	More whitecaps reduce visibility
C1969	08/26	18:00	Watch	STAB	3	Light	10	20	20	NO	Good	Anchor
C1970	08/26	18:30	Watch	No Work	3	Light	10	20	20	NO	Good	
C1971	08/26	18:39	Watch	VIB	3	Light	10	20	20	NO	Good	Anchor
C1972	08/26	18:45	Watch	VIB	3	Light	10	20	20	NO	Good	Sheet
C1973	08/26	18:55	Watch	POST	3	Light	10	20	20	NO	Good	
C1974	08/26	19:25	End	No Work	3	Light	10	20	20	NO	Good	
C1975	08/27	7:12	Start	PRE	2	Light	10	10	70	NO	Good	Start of Pre-watch
C1976	08/27	7:42	Watch	No Work	2	Light	10	10	70	NO	Good	End of Pre-watch
C1977	08/27	7:45	Watch	VIB	2	Light	10	10	70	NO	Good	Anchor piling cell 6
C1978	08/27	7:49	Watch	VIB	2	Light	10	20	70	NO	Good	Sheet piling
C1979	08/27	8:13	Watch	VIBR	2	Light	10	20	70	NO	Good	Sheet pile removal
C1980	08/27	8:23	Watch	VIB	2	Light	10	20	70	NO	Good	Sheet and Y piling
C1981	08/27	8:52	Watch	VIB	2	Light	10	20	70	NO	Good	Sheet piling
C1982	08/27	9:00	Watch	No Work	2	Light	10	20	70	NO	Good	Backfill operations
C1983	08/27	9:30	Watch	No Work	2	Light	10	15	70	NO	Good	Backfill operations
C1984	08/27	9:36	Watch	VIBR	2	Light	10	15	70	NO	Good	Remove temporary spud piling
C1985	08/27	9:42	Watch	SLING	2	Light	10	15	60	NO	Excel	Slinging temporary spud piling to cell 5

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C1986	08/27	9:49	Watch	VIB	2	Light	10	15	60	NO	Excel	Driving temporary piling in cell 5
C1987	08/27	10:12	Watch	SLING	2	Light	10	15	60	NO	Excel	Sling temporary platform to cell 5
C1988	08/27	10:42	Watch	SLING	2	Light	10	15	60	NO	Excel	Securing temporary platform in cell 5, held in place by crane
C1989	08/27	11:00	Watch	SLING	1	None	10	0	70	NO	Excel	Shift change, KL on. Backfill ops
C1990	08/27	11:22	Watch	VIBR	1	None	10	0	70	NO	Excel	Anchor pile removal
C1991	08/27	11:28	Watch	VIB	1	None	10	0	70	NO	Excel	Start of vibration, anchor piling
C1992	08/27	11:37	Watch	SLING	1	None	10	0	70	NO	Excel	Slinging template
C1993	08/27	12:00	Watch	No Work	1	None	10	0	90	LTRN	Excel	Crew on break. Light rain
C1994	08/27	12:30	Watch	No Work	1	None	10	0	80	NO	Excel	Crew on break
C1995	08/27	12:50	Watch	SLING	1	None	10	0	80	NO	Excel	Begin slinging template
C1996	08/27	13:25	Watch	Other	0	None	10	0	80	NO	Excel	Welding template in cells
C1997	08/27	13:55	Watch	STAB	0	None	10	0	90	NO	Excel	Getting sheet piles in place
C1998	08/27	14:30	Watch	STAB	0	None	10	0	90	NO	Excel	Continuing stabbing
C1999	08/27	14:50	Watch	VIB	1	None	10	0	90	NO	Excel	Being vibing
C2000	08/27	15:07	Watch	STAB	1	None	10	0	80	NO	Excel	Sheet stabbing cell 5
C2001	08/27	15:37	Watch	STAB	1	None	10	0	80	NO	Excel	Sheet stabbing cell 5
C2002	08/27	16:07	Watch	VIB	1	None	10	0	80	NO	Excel	Stabbing continues
C2003	08/27	16:14	Watch	VIB	1	None	10	10	80	NO	Excel	Piling sheets, cell 5
C2004	08/27	16:44	Watch	STAB	1	None	10	10	80	NO	Excel	Piling sheets, cell 5
C2005	08/27	16:52	Watch	STAB	2	Light	10	20	80	NO	Good	Sheet stabbing cell 5
C2006	08/27	17:22	Watch	VIB	2	Light	10	20	90	NO	Good	Stabbing continues
C2007	08/27	17:38	Watch	POST	2	Light	10	10	90	NO	Good	Piling sheets, cell 5
C2008	08/27	18:00	Watch	POST	3	Light	10	10	90	NO	Good	Start of post-watch
C2009	08/27	18:30	End	No Work	3	Light	10	10	90	NO	Good	
C2010	08/28	7:00	Start	PRE	1	None	10	0	95	NO	Good	Pre-watch
C2011	08/28	7:30	Watch	STAB	1	None	10	10	95	NO	Good	Stabbing cell 5
C2012	08/28	8:00	Watch	STAB	1	None	10	10	95	NO	Good	Stabbing continues
C2013	08/28	8:19	Watch	VIB	1	None	10	10	90	NO	Excel	Driving sheets cell 5
C2014	08/28	8:49	Watch	STAB	1	None	10	10	90	NO	Excel	Stabbing cell 5
C2015	08/28	9:19	Watch	No Work	1	None	10	15	80	NO	Excel	Break, sheet piling suspended in place by crane
C2016	08/28	9:25	Watch	STAB	1	None	10	20	80	NO	Excel	Stabbing resumes
C2017	08/28	9:55	Watch	STAB	1	None	10	20	80	NO	Excel	Stabbing continues, wind increases
C2018	08/28	10:09	Watch	VIB	1	None	10	20	80	NO	Excel	Driving sheets cell 5

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2019	08/28	10:34	Watch	STAB	1	None	10	20	80	NO	Excel	Stabbing "Y" pile and sheet piles
C2020	08/28	11:00	Watch	STAB	1	None	10	0	70	NO	Excel	Shift change. KL on MC off
C2021	08/28	11:30	Watch	STAB	1	Light	10	0	70	NO	Excel	Stabbing
C2022	08/28	11:35	Watch	VIB	2	Light	10	0	50	NO	Excel	VIB ON - OFF 11:38 (2 sheets)
C2023	08/28	11:45	Watch	VIB	2	Light	10	0	50	NO	Excel	VIB ON - OFF 11:47 (2 sheets)
C2024	08/28	12:00	Watch	No Work	1	Light	10	0	40	NO	Excel	Lunch break, no work
C2025	08/28	12:30	Watch	No Work	2	Light	10	0	30	NO	Excel	Lunch break, no work
C2026	08/28	12:52	Watch	VIB	2	Light	10	0	30	NO	Excel	VIB ON - OFF 12:53 (2 sheets)
C2027	08/28	13:00	Watch	STAB	2	Light	10	0	30	NO	Excel	Stabbing sheet pile
C2028	08/28	13:30	Watch	STAB	2	Light	10	5	20	NO	Excel	Stabbing sheet pile
C2029	08/28	13:56	Watch	VIB	1	None	10	5	20	NO	Excel	VIB ON - OFF 13:57 (2 sheets)
C2030	08/28	14:02	Watch	VIB	1	None	10	0	20	NO	Excel	VIB ON - OFF 14:07 (2 sheets)
C2031	08/28	14:19	Watch	VIB	1	None	10	0	20	NO	Excel	VIB ON - OFF 14:20 (2 sheets)
C2032	08/28	14:40	Watch	VIB	1	None	10	0	10	NO	Excel	VIB ON - OFF 14:41 ("Y" pile)
C2033	08/28	14:45	Watch	STAB	1	None	10	0	10	NO	Excel	Stabbing sheets
C2034	08/28	15:00	Watch	STAB	1	None	10	0	10	NO	Excel	Stabbing sheets. Shift change. MC on KL off
C2035	08/28	15:28	Watch	VIB	1	None	10	0	10	NO	Excel	VIB ON - OFF 15:31 (2 sheets)
C2036	08/28	15:38	Watch	VIB	1	None	10	0	10	NO	Excel	VIB ON - OFF 15:40 (2 sheets)
C2037	08/28	15:43	Watch	VIB	1	None	10	0	10	NO	Excel	VIB ON - OFF 15:44 (2 sheets)
C2038	08/28	15:51	Watch	STAB	2	None	10	0	10	NO	Good	Stabbing sheets.
C2039	08/28	16:21	Watch	STAB	3	Light	10	10	10	NO	Good	Stabbing continues. Increased wind, whitecaps
C2040	08/28	16:29	Watch	STAB	3	Light	10	10	10	NO	Good	Slinging, stabbing anchor pile
C2041	08/28	16:57	Watch	SLING	3	Light	10	10	10	NO	Good	Slinging driver to sheets
C2042	08/28	17:04	Watch	VIB	3	Light	10	10	10	NO	Good	VIB ON - OFF 17:06 (1 anchor)
C2043	08/28	17:09	Watch	VIB	3	Light	10	10	10	NO	Good	VIB ON - OFF 17:11 (2 sheets)
C2044	08/28	17:18	Watch	VIB	3	Light	10	10	10	NO	Good	VIB ON - OFF 17:19 (2 sheets)
C2045	08/28	17:24	Watch	VIB	3	Light	10	10	10	NO	Good	VIB ON - OFF 17:24 (2 sheets)
C2046	08/28	17:26	Watch	VIB	3	Light	10	10	10	NO	Good	VIB ON - OFF 17:27 (1 anchor)
C2047	08/28	17:30	Watch	VIB	3	Light	10	10	10	NO	Good	VIB ON - OFF 17:30 (2 sheets)
C2048	08/28	17:42	Watch	VIB	3	Light	10	10	10	NO	Good	VIB ON - OFF 17:43 (2 sheets)
C2049	08/28	17:48	Watch	VIB	3	Light	10	10	10	NO	Good	VIB ON - OFF 17:49 (1 anchor)
C2050	08/28	17:50	Watch	VIB	3	Light	10	10	10	NO	Good	VIB intermittent, finishing driving between 5/6 (14 sheets).
C2051	08/28	18:05	Watch	VIBR	3	Light	10	20	20	NO	Good	VIBR ON - OFF 18:07 (1-14")

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2052	08/28	18:08	Watch	VIB	3	Light	10	20	20	NO	Good	VIB ON - OFF 18:08 (1-14")
C2053	08/28	18:11	Watch	VIBR	3	Light	10	20	20	NO	Good	VIBR ON - OFF 18:11 (1-14")
C2054	08/28	18:12	Watch	VIB	3	Light	10	20	20	NO	Good	VIB ON - OFF 18:12 (1-14")
C2055	08/28	18:15	Watch	POST	3	Light	10	20	20	NO	Good	
C2056	08/28	18:45	End	No Work	3	Light	10	20	20	NO	Good	
C2057	08/31	7:00	Start	PRE	3	Light	10	0	95	NO	Good	Ops may be delayed due to fuel barge.
C2058	08/31	7:30	Watch	No Work	3	Light	10	0	95	NO	Good	Backpiling ops
C2059	08/31	8:00	Watch	No Work	3	Light	10	0	90	LTRN	Good	
C2060	08/31	8:13	Watch	SLING	3	Light	10	0	90	NO	Good	Slinging pipe
C2061	08/31	8:43	Watch	SLING	3	Light	10	20	90	NO	Good	Slinging pipe
C2062	08/31	9:13	Watch	Other	3	Light	10	20	90	NO	Good	Welding pipe
C2063	08/31	9:43	Watch	Other	3	Light	10	10	90	NO	Good	
C2064	08/31	10:13	Watch	No Work	3	Light	10	0	90	NO	Good	Man basket over dock
C2065	08/31	10:43	Watch	Other	3	Light	10	0	90	NO	Good	
C2066	08/31	10:52	Watch	VIBR	2	Light	10	0	90	NO	Good	VIBR - 1 14" piling
C2067	08/31	10:53	Watch	STAB	2	Light	10	0	90	NO	Good	STAB
C2068	08/31	10:54	Watch	VIB	2	Light	10	0	90	NO	Good	VIB - 1 14" piling/ Shift change.
C2069	08/31	10:55	Watch	No Work	2	Light	10	0	90	NO	Good	
C2070	08/31	11:25	Watch	No Work	2	Light	10	0	95	NO	Good	Sprinkling
C2071	08/31	12:00	Watch	No Work	2	Light	10	0	95	LTRN	Good	
C2072	08/31	12:30	Watch	No Work	2	Light	10	0	85	NO	Good	
C2073	08/31	13:00	Watch	No Work	1	None	10	0	75	NO	Excel	
C2074	08/31	13:30	Watch	No Work	1	None	10	0	65	NO	Excel	
C2075	08/31	14:05	End	No Work	1	None	10	0	65	NO	Excel	End of Watch - no more vibration today
C2076	09/02	8:00	Start	PRE	0	None	10	0	95	NO	Excel	
C2077	09/02	8:30	Watch	Other	0	None	10	0	95	NO	Excel	Backfill / Compacting ops
C2078	09/02	9:00	Watch	Other	1	None	10	0	95	LTRN	Excel	Backfill / Compacting ops
C2079	09/02	9:30	Watch	Other	1	None	10	0	100	DR	Excel	Backfill / Compacting ops
C2080	09/02	10:00	Watch	Other	1	None	3	0	100	LFOG	Fair	Backfill / Compacting ops; Light fog to E
C2081	09/02	10:30	Watch	Other	1	None	1	0	100	LFOG	Fair	Backfill / Compacting ops
C2082	09/02	11:00	Watch	Other	1	None	5	0	100	MULT	Fair	Backfill / Compacting ops; Light rain, light fog
C2083	09/02	11:30	Watch	Other	0	None	4	0	100	LFOG	Fair	Backfill / Compacting ops; Distant fog
C2084	09/02	12:00	Watch	No Work	0	None	5	0	100	DR	Fair	Shift change; Lunch break

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2085	09/02	12:30	Watch	No Work	1	None	7	0	100	NO	Good	
C2086	09/02	13:00	Watch	No Work	2	Light	10	0	95	NO	Good	Increasing wind
C2087	09/02	13:10	Watch	STAB	2	Light	10	0	95	NO	Good	Stabbing 24" round pile NOT IN WATER
C2088	09/02	13:24	Watch	VIB	2	Light	10	0	95	DR	Good	VIB ON 24" round pile NOT IN WATER
C2089	09/02	13:34	Watch	Other	2	Light	10	0	95	NO	Good	VIB OFF; Backfill / Compacting ops continue
C2090	09/02	13:38	Watch	VIB	2	Light	10	0	95	NO	Good	VIB ON 24" round pile NOT IN WATER
C2091	09/02	13:39	Watch	Other	2	Light	10	0	95	NO	Good	VIB OFF; Backfill / Compacting ops continue
C2092	09/02	13:42	Watch	VIB	2	Light	10	0	95	NO	Good	VIB ON 24" round pile NOT IN WATER
C2093	09/02	13:44	Watch	Other	2	Light	10	0	95	NO	Good	VIB OFF; Backfill / Compacting ops continue
C2094	09/02	13:47	Watch	VIB	2	Light	10	0	95	NO	Good	VIB ON 24" round pile NOT IN WATER
C2095	09/02	13:49	Watch	Other	2	Light	10	0	95	NO	Good	VIB OFF; Backfill / Compacting ops continue
C2096	09/02	14:20	Watch	Other	2	Light	10	0	95	NO	Good	Backfill/ Compacting
C2097	09/02	15:00	Watch	Other	2	Light	9	0	95	LTRN	Good	Backfill/ Compacting
C2098	09/02	15:26	Watch	SLING	2	Light	9	0	95	DR	Good	Slinging man basket NOT IN WATER
C2099	09/02	15:33	Watch	SLING	2	Light	9	0	95	DR	Good	Slinging generator NOT IN WATER
C2100	09/02	15:38	Watch	SLING	2	Light	9	0	95	DR	Good	Slinging 24" round pile NOT IN WATER
C2101	09/02	15:42	Watch	STAB	2	Light	9	0	95	NO	Good	Stabbing 24" round pile NOT IN WATER
C2102	09/02	15:52	Watch	SLING	2	Light	9	0	90	NO	Good	Slinging 24" round pile NOT IN WATER
C2103	09/02	15:55	Watch	VIB	2	Light	9	0	90	LTRN	Good	VIB ON 24" round pile NOT IN WATER
C2104	09/02	15:56	Watch	Other	2	Light	9	0	90	LTRN	Good	VIB OFF; Backfill / Compacting ops continue
C2106	09/02	15:57	Watch	Other	2	Light	9	0	90	LTRN	Good	VIB OFF; Backfill / Compacting ops continue
C2105	09/02	15:57	Watch	VIB	2	Light	9	0	90	LTRN	Good	VIB ON 24" round pile NOT IN WATER
C2107	09/02	15:58	Watch	VIB	2	Light	9	0	90	LTRN	Good	VIB ON 24" round pile NOT IN WATER
C2108	09/02	15:59	Watch	Other	2	Light	9	0	90	NO	Good	VIB OFF; Backfill / Compacting ops continue
C2109	09/02	16:00	Watch	VIB	2	Light	9	0	90	NO	Good	VIB ON 24" round pile NOT IN WATER
C2110	09/02	16:03	Watch	Other	2	Light	9	0	90	NO	Good	VIB OFF; Backfill / Compacting ops continue
C2111	09/02	16:04	Watch	VIB	2	Light	9	0	90	NO	Good	VIB ON 24" round pile NOT IN WATER
C2112	09/02	16:06	Watch	Other	2	Light	9	0	90	NO	Good	VIB OFF; Backfill / Compacting ops continue
C2113	09/02	16:07	Watch	VIB	2	Light	9	0	90	NO	Good	VIB ON 24" round pile NOT IN WATER
C2114	09/02	16:09	Watch	Other	2	Light	9	0	90	NO	Good	VIB OFF; Backfill / Compacting ops continue
C2115	09/02	16:15	Watch	Other	2	Light	9	0	90	NO	Good	Shift change; Backfill/ Compacting ops
C2116	09/02	16:17	Watch	Other	2	Light	9	0	90	NO	Good	Backfill/ Compacting ops
C2117	09/02	16:29	Watch	SLING	2	Light	9	0	90	NO	Good	Slinging man basket OVER WATER; Backfill / Compacting ops continue

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2118	09/02	16:59	Watch	Other	2	Light	10	20	90	NO	Good	Backfill / Compacting ops; Welding
C2119	09/02	17:29	Watch	Other	2	Light	10	20	90	NO	Good	Welding; Backfill has ceased
C2120	09/02	17:59	Watch	Other	2	Light	10	20	90	NO	Good	Welding
C2121	09/02	18:24	Watch	SLING	2	Light	10	20	90	NO	Good	Slinging Man basket OVER WATER
C2122	09/02	18:33	Watch	STAB	2	Light	10	20	80	NO	Good	Stabbing 24" round pile IN WATER
C2123	09/02	18:40	Watch	SLING	2	Light	10	20	80	NO	Good	Slinging pile driver
C2124	09/02	18:47	Watch	STAB	2	Light	10	20	80	NO	Good	Stabbing 24" round pile IN WATER
C2125	09/02	18:51	Watch	VIB	2	Light	10	10	80	NO	Good	VIB ON 24" round pile NOT IN WATER
C2126	09/02	18:52	Watch	Other	2	Light	10	10	80	NO	Good	VIB OFF; Taking measurement
C2127	09/02	18:53	Watch	VIB	2	Light	10	10	80	NO	Good	VIB ON 24" round pile NOT IN WATER
C2128	09/02	18:59	Watch	SLING	2	Light	10	20	80	NO	Good	VIB OFF; Slinging crane to new pile
C2129	09/02	19:02	Watch	STAB	2	Light	10	20	80	NO	Good	Stabbing 24" round pile IN WATER
C2130	09/02	19:03	Watch	SLING	2	Light	10	20	80	NO	Good	Slinging crane hook to pile driver OVER WATER
C2131	09/02	19:06	Watch	SLING	2	Light	10	20	80	NO	Good	Slinging driver to piling OVER WATER
C2132	09/02	19:09	Watch	SLING	2	Light	10	20	80	NO	Good	Slinging 24" round pile to land OVER WATER
C2133	09/02	19:10	Watch	STAB	2	Light	10	20	80	NO	Good	Stabbing 24" round pile NOT IN WATER
C2134	09/02	19:12	Watch	VIB	2	Light	10	20	80	NO	Good	VIB ON 24" round pile NOT IN WATER
C2135	09/02	19:21	Watch	VIBR	2	Light	10	20	80	NO	Good	VIBR ON 24" round pile NOT IN WATER
C2136	09/02	19:23	Watch	VIB	2	Light	10	20	80	NO	Good	VIB ON 24" round pile NOT IN WATER
C2137	09/02	19:32	Watch	POST	2	Light	10	20	80	NO	Good	Post-watch starts.
C2138	09/02	20:02	End	No Work	2	Light	10	20	80	NO	Good	
C2139	09/08	13:30	Start	No Work	0	None	10	0	90	NO	Excel	Begin watch
C2140	09/08	14:00	Watch	No Work	1	None	10	0	90	NO	Excel	No work
C2141	09/08	14:26	Watch	SLING	1	None	10	0	90	NO	Excel	Picking up hammer
C2142	09/08	15:00	Watch	SLING	1	None	10	0	90	NO	Excel	Moved to cell 4
C2143	09/08	15:04	Watch	No Work	1	None	10	0	90	NO	Excel	Hammer on ground
C2144	09/08	15:30	Watch	No Work	1	None	10	0	90	NO	Excel	No work
C2145	09/08	16:00	Watch	No Work	1	None	10	0	90	NO	Excel	No work
C2146	09/08	16:15	Watch	SLING	1	None	10	0	90	NO	Excel	Moving generator and man basket
C2147	09/08	16:30	Watch	SLING	1	None	10	0	90	NO	Excel	Shift Change. Slinging man basket.
C2148	09/08	17:00	Watch	Other	1	None	10	0	90	NO	Excel	Welding
C2149	09/08	17:30	Watch	Other	1	None	10	0	90	NO	Excel	Welding
C2150	09/08	17:44	Watch	SLING	1	None	10	0	90	NO	Excel	Slinging pile driver

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2151	09/08	17:49	Watch	VIBR	1	None	10	0	90	NO	Excel	VIBR ON 14" temporary pile
C2152	09/08	17:50	Watch	SLING	1	None	10	0	90	NO	Excel	VIBR OFF; Slinging 14" temporary pile
C2153	09/08	17:51	Watch	STAB	1	None	10	0	90	NO	Excel	Stab 14" temporary pile
C2154	09/08	17:51	Watch	VIB	1	None	10	0	90	NO	Excel	VIB ON 14" temporary pile
C2155	09/08	17:52	Watch	SLING	1	None	10	0	90	NO	Excel	VIB OFF; Sling pile driver
C2156	09/08	17:55	Watch	No Work	1	None	10	0	90	NO	Excel	Break from work
C2157	09/08	18:03	Watch	SLING	1	None	10	0	90	NO	Excel	Man basket
C2158	09/08	18:17	Watch	SLING	1	None	10	0	90	NO	Excel	Slinging spill response float
C2159	09/08	18:47	Watch	SLING	1	None	10	0	90	NO	Excel	Slinging pile driver to 14" temporary pile
C2160	09/08	18:51	Watch	VIBR	1	None	10	0	100	NO	Excel	VIBR ON 14" temporary pile
C2161	09/08	18:52	Watch	SLING	1	None	10	0	100	NO	Excel	VIBR OFF; Slinging 14" temporary pile
C2162	09/08	18:53	Watch	STAB	1	None	10	0	100	NO	Excel	Stab 14" temporary pile
C2163	09/08	18:55	Watch	SLING	1	None	10	0	100	NO	Excel	14" temporary pile suspended by crane
C2164	09/08	19:06	Watch	STAB	1	None	10	0	100	NO	Excel	Stab 14" temporary pile
C2166	09/08	19:07	Watch	SLING	1	None	10	0	100	NO	Excel	VIB OFF; Sling pile driver
C2165	09/08	19:07	Watch	VIB	1	None	10	0	100	NO	Excel	VIB ON 14" temporary pile
C2167	09/08	19:12	Watch	VIBR	1	None	10	0	100	NO	Excel	VIBR ON 14" temporary pile
C2168	09/08	19:13	Watch	SLING	1	None	10	0	100	NO	Excel	VIBR OFF; Slinging 14" temporary pile
C2169	09/08	19:15	Watch	STAB	1	None	10	0	100	NO	Excel	Stab 14" temporary pile
C2170	09/08	19:18	Watch	VIB	1	None	10	0	100	NO	Excel	VIB ON 14" temporary pile
C2171	09/08	19:20	Watch	POST	1	None	10	0	100	NO	Excel	VIB OFF; Start of post watch
C2172	09/08	19:50	End	No Work	1	None	10	0	100	NO	Excel	
C2173	09/09	8:00	Start	PRE	5	Heavy	10	0	70	NO	Poor	High wind and whitecaps
C2174	09/09	8:30	Watch	No Work	5	Heavy	10	0	70	NO	Poor	
C2175	09/09	9:00	Watch	SLING	5	Heavy	10	0	50	NO	Poor	Slinging crane chains to template
C2176	09/09	9:30	Watch	Other	5	Heavy	10	0	40	NO	Poor	Cutting template welds
C2177	09/09	9:56	Watch	SLING	5	Heavy	10	10	30	NO	Poor	Detach template with crane
C2178	09/09	10:30	Watch	No Work	5	Heavy	10	10	30	NO	Poor	
C2179	09/09	11:00	Watch	SLING	5	Heavy	10	10	30	NO	Poor	Slinging template into place
C2180	09/09	11:30	Watch	Other	5	Moderate	10	10	30	NO	Poor	Welding template
C2181	09/09	12:00	Watch	Other	5	Moderate	10	0	30	NO	Poor	Shift change - welding template
C2182	09/09	12:25	Watch	SLING	5	Moderate	10	0	30	NO	Poor	Picked up hammer
C2183	09/09	13:00	Watch	SLING	5	Moderate	10	0	30	NO	Poor	Slinging hammer

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2184	09/09	13:30	Watch	SLING	5	Moderate	10	0	30	NO	Poor	Slinging hammer
C2185	09/09	14:00	Watch	SLING	5	Moderate	10	0	30	NO	Poor	Slinging hammer
C2186	09/09	14:30	Watch	Other	4	Moderate	10	0	50	NO	Poor	Welding template
C2187	09/09	14:54	Watch	SLING	4	Moderate	10	0	50	NO	Fair	Slinging hammer
C2188	09/09	15:01	Watch	VIBR	4	Moderate	10	0	50	NO	Fair	VIBR ON - Removing 14" temporary pile
C2189	09/09	15:02	Watch	SLING	4	Moderate	10	0	50	NO	Fair	VIBR OFF - Moving 14" temporary pile to cell 4
C2190	09/09	15:04	Watch	VIB	4	Moderate	10	0	50	NO	Fair	VIB ON - 14" temporary pile
C2191	09/09	15:05	Watch	SLING	4	Moderate	10	0	50	NO	Fair	VIB OFF - Slinging hammer
C2192	09/09	15:12	Watch	SLING	4	Moderate	10	0	50	NO	Fair	Moving template from 5 to 4
C2193	09/09	15:45	Watch	Other	4	Moderate	10	0	50	NO	Fair	Welding template
C2194	09/09	16:22	Watch	SLING	4	Moderate	10	0	50	NO	Fair	Shift change - hammer moved to 14" temporary pile
C2195	09/09	16:27	Watch	VIBR	4	Moderate	10	0	50	NO	Fair	VIBR ON - 14" temporary pile
C2196	09/09	16:28	Watch	SLING	4	Moderate	10	0	50	NO	Fair	VIBR OFF - Moving 14" temporary pile to cell 4
C2197	09/09	16:30	Watch	STAB	4	Moderate	10	0	50	NO	Fair	Stabbing 14" temporary pile
C2198	09/09	16:32	Watch	VIB	4	Moderate	10	0	50	NO	Fair	VIB ON - 14" temporary pile
C2199	09/09	16:33	Watch	STAB	4	Moderate	10	0	50	NO	Fair	VIB OFF - Stabbing 14" temporary pile
C2200	09/09	16:34	Watch	VIB	4	Moderate	10	0	50	NO	Fair	VIB ON - 14" temporary pile
C2201	09/09	16:35	Watch	SLING	4	Moderate	10	0	50	NO	Fair	VIB OFF - Slinging hammer
C2202	09/09	16:43	Watch	VIB	4	Moderate	10	0	50	NO	Fair	VIB ON - Anchor piling
C2203	09/09	16:44	Watch	SLING	4	Moderate	10	0	50	NO	Fair	VIB OFF - Slinging hammer to sheet
C2204	09/09	16:48	Watch	VIB	4	Moderate	10	0	50	NO	Fair	VIB ON - 2 sheets
C2205	09/09	16:49	Watch	SLING	4	Moderate	10	0	50	NO	Fair	VIB OFF - Slinging hammer to sheet
C2206	09/09	16:50	Watch	VIB	4	Moderate	10	0	50	NO	Fair	VIB ON - 2 sheets
C2207	09/09	16:51	Watch	SLING	4	Moderate	10	0	50	NO	Fair	VIB OFF - Sling hammer to sheet
C2208	09/09	16:53	Watch	VIB	4	Moderate	10	0	50	NO	Fair	VIB ON - 2 sheets
C2209	09/09	16:54	Watch	SLING	4	Moderate	10	0	50	NO	Fair	VIB OFF - Sling to sheet
C2210	09/09	16:54	Watch	VIB	4	Moderate	10	0	50	NO	Fair	VIB ON - 2 sheets
C2211	09/09	16:55	Watch	SLING	4	Moderate	10	0	50	NO	Fair	VIB OFF - Sling to sheet
C2212	09/09	16:56	Watch	VIB	4	Moderate	10	0	50	NO	Fair	VIB ON - 2 sheets
C2213	09/09	16:58	Watch	SLING	4	Moderate	10	0	50	NO	Fair	VIB OFF - Sling to sheet
C2214	09/09	16:59	Watch	VIB	4	Moderate	10	0	50	NO	Fair	VIB ON - 2 sheets
C2215	09/09	17:00	Watch	SLING	4	Moderate	10	0	50	NO	Fair	VIB OFF - Sling to sheet
C2216	09/09	17:01	Watch	VIB	4	Moderate	10	0	50	NO	Fair	VIB ON - 2 sheets

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2217	09/09	17:02	Watch	SLING	4	Moderate	10	0	50	NO	Fair	VIB OFF - Sling to sheet / welding
C2218	09/09	17:10	Watch	Other	4	Moderate	10	0	50	NO	Fair	Welding on template
C2219	09/09	17:14	Watch	STAB	4	Moderate	10	0	50	NO	Fair	Stabbing sheets
C2220	09/09	17:15	Watch	Other	4	Moderate	10	0	50	NO	Fair	Welding
C2221	09/09	17:30	Watch	POST	4	Moderate	10	0	50	DR	Fair	No work
C2222	09/09	18:00	End	No Work	4	Moderate	10	0	50	DR	Fair	No work
C2223	09/10	8:00	Start	PRE	4	Moderate	3	0	100	LTRN	Fair	Strong wind
C2224	09/10	8:30	Watch	Other	4	Moderate	3	0	100	DR	Fair	Welding
C2225	09/10	8:50	End	No Work	4	Moderate	3	0	100	DR	Fair	Watch stops as wind prevents sheet stabbing
C2226	09/12	7:50	Start	PRE	2	Light	3	0	100	LFOG	Fair	
C2227	09/12	8:20	Watch	No Work	2	Light	3	0	100	LFOG	Good	
C2228	09/12	8:27	Watch	SLING	2	Light	3	0	100	LFOG	Good	Slinging sheet
C2229	09/12	8:29	Watch	STAB	2	Light	3	0	100	LFOG	Good	Stabbing sheet
C2230	09/12	8:35	Watch	Other	2	Light	3	0	100	LFOG	Good	Welding sheet
C2231	09/12	8:39	Watch	STAB	2	Light	3	0	100	LFOG	Good	Stabbing sheet
C2232	09/12	8:45	Watch	Other	2	Light	3	0	100	LFOG	Good	Welding sheet
C2233	09/12	8:58	Watch	SLING	2	Light	3	0	100	LFOG	Good	Slinging sheet
C2234	09/12	8:59	Watch	STAB	2	Light	3	0	100	LFOG	Good	Stabbing sheet
C2235	09/12	9:06	Watch	Other	2	Light	3	0	100	LFOG	Good	Skiff ops - welding
C2236	09/12	9:10	Watch	SLING	2	Light	3	0	100	LFOG	Good	Slinging sheet
C2237	09/12	9:11	Watch	STAB	2	Light	3	0	100	LFOG	Good	Stabbing sheet
C2238	09/12	9:17	Watch	Other	2	Light	3	0	100	LFOG	Good	Welding sheet
C2239	09/12	9:20	Watch	SLING	2	Light	3	0	100	LFOG	Good	Slinging sheet
C2240	09/12	9:21	Watch	STAB	2	Light	3	0	100	LFOG	Good	Stabbing sheet
C2241	09/12	9:26	Watch	Other	2	Light	3	0	100	LFOG	Good	Welding sheet
C2242	09/12	9:28	Watch	SLING	2	Light	3	0	100	LFOG	Good	Slinging sheet
C2243	09/12	9:30	Watch	STAB	2	Light	5	0	100	LFOG	Good	Stabbing sheet
C2244	09/12	9:33	Watch	Other	2	Light	5	0	100	LFOG	Good	Welding sheet
C2245	09/12	9:36	Watch	SLING	2	Light	5	0	100	LFOG	Good	Slinging hammer to sheets
C2246	09/12	9:39	Watch	VIB	2	Light	5	0	100	LFOG	Good	VIB ON - 2 sheets
C2247	09/12	9:40	Watch	Other	2	Light	5	0	100	LFOG	Good	VIB OFF
C2249	09/12	9:42	Watch	Other	2	Light	5	0	100	LFOG	Good	VIB OFF - welding sheets
C2248	09/12	9:42	Watch	VIB	2	Light	5	0	100	LFOG	Good	VIB ON - 2 sheets

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2250	09/12	9:49	Watch	SLING	2	Light	5	0	100	LFOG	Good	Slinging hammer to sheets
C2251	09/12	9:50	Watch	VIB	2	Light	5	0	100	LFOG	Good	VIB ON - 2 sheets
C2252	09/12	9:52	Watch	SLING	2	Light	5	0	100	LFOG	Good	VIB OFF - slinging hammer
C2253	09/12	9:54	Watch	Other	2	Light	3	0	100	LFOG	Good	Welding sheet
C2254	09/12	10:08	Watch	SLING	2	Light	3	0	100	LFOG	Good	Slinging sheet
C2255	09/12	10:09	Watch	STAB	2	Light	3	0	100	LFOG	Good	Stabbing sheet
C2256	09/12	10:11	Watch	SLING	2	Light	3	0	100	LFOG	Good	Slinging hammer / sheet
C2257	09/12	10:16	Watch	STAB	2	Light	3	0	100	LFOG	Good	Stabbing sheet
C2258	09/12	10:19	Watch	Other	2	Light	6	0	100	LFOG	Good	Welding sheet
C2259	09/12	10:23	Watch	SLING	2	Light	6	0	100	LFOG	Good	Slinging sheet
C2260	09/12	10:26	Watch	STAB	2	Light	6	0	100	LFOG	Good	Stabbing sheet
C2261	09/12	10:30	Watch	SLING	2	Light	6	0	100	LFOG	Good	Slinging hammer / sheet
C2262	09/12	10:32	Watch	STAB	2	Light	6	0	100	LFOG	Good	Stabbing sheet
C2263	09/12	10:38	Watch	SLING	2	Light	6	0	100	LFOG	Good	Slinging hammer
C2264	09/12	10:42	Watch	VIB	2	Light	6	0	100	LFOG	Good	VIB ON - 2 sheets
C2265	09/12	10:44	Watch	Other	2	Light	6	0	100	LFOG	Good	VIB OFF - welding sheets
C2266	09/12	10:55	Watch	SLING	2	Light	6	0	100	LFOG	Good	
C2267	09/12	10:57	Watch	VIB	2	Light	6	0	100	LFOG	Good	VIB ON - 2 sheets
C2268	09/12	10:59	Watch	Other	2	Light	10	0	100	NO	Good	VIB OFF - welding sheet
C2269	09/12	11:08	Watch	SLING	2	Light	10	0	100	NO	Good	Slinging hammer
C2270	09/12	11:08	Watch	VIB	2	Light	10	0	100	NO	Good	VIB ON - 2 sheets
C2271	09/12	11:09	Watch	SLING	2	Light	10	0	100	NO	Good	Slinging hammer
C2272	09/12	11:14	Watch	SLING	2	Light	10	0	100	NO	Good	Slinging sheet
C2273	09/12	11:16	Watch	STAB	2	Light	10	0	100	NO	Good	Stabbing sheet
C2274	09/12	11:20	Watch	SLING	2	Light	10	0	100	NO	Good	
C2275	09/12	11:24	Watch	STAB	2	Light	10	0	100	NO	Good	Stabbing sheet
C2276	09/12	11:29	Watch	SLING	2	Light	10	0	100	NO	Good	
C2277	09/12	11:33	Watch	STAB	2	Light	10	0	100	NO	Good	Stabbing sheet
C2278	09/12	11:38	Watch	SLING	2	Light	10	0	95	NO	Good	Slinging hammer / sheet
C2279	09/12	11:41	Watch	STAB	2	Light	10	0	95	NO	Good	Stabbing sheet
C2280	09/12	11:44	Watch	SLING	2	Light	10	0	95	NO	Good	Slinging hammer
C2281	09/12	11:48	Watch	VIB	1	None	10	0	95	NO	Good	VIB ON - 2 sheets
C2282	09/12	11:50	Watch	Other	1	None	10	0	95	NO	Good	VIB OFF - welding pile

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2283	09/12	11:57	Watch	VIB	1	None	10	0	95	NO	Good	VIB ON - 2 sheets
C2284	09/12	11:58	Watch	Other	1	None	10	0	95	NO	Good	VIB OFF - welding sheet
C2285	09/12	12:06	Watch	VIB	1	None	10	0	95	NO	Good	VIB ON
C2286	09/12	12:07	Watch	SLING	1	None	10	0	95	NO	Good	Slinging hammer
C2287	09/12	12:10	Watch	No Work	1	None	10	0	95	NO	Good	No work
C2288	09/12	12:22	Watch	SLING	1	None	10	0	95	NO	Good	Slinging sheet
C2289	09/12	12:25	Watch	STAB	1	None	10	0	95	NO	Good	Stabbing sheet
C2290	09/12	12:27	Watch	SLING	1	None	10	0	95	NO	Good	Slinging sheet
C2291	09/12	12:31	Watch	STAB	1	None	10	0	95	NO	Good	Stabbing sheet
C2292	09/12	12:33	Watch	SLING	1	None	10	0	95	NO	Good	Slinging sheet
C2293	09/12	12:36	Watch	STAB	1	None	10	0	95	NO	Good	Stabbing sheet
C2294	09/12	12:39	Watch	SLING	1	None	10	0	95	NO	Good	Slinging sheet
C2295	09/12	12:42	Watch	STAB	1	None	10	0	95	NO	Good	Stabbing sheet
C2296	09/12	12:44	Watch	SLING	1	None	10	0	95	NO	Good	Slinging hammer
C2297	09/12	12:49	Watch	VIB	1	None	10	0	95	NO	Good	VIB ON - 2 sheets
C2298	09/12	12:50	Watch	Other	1	None	10	0	95	NO	Good	VIB OFF - welding
C2299	09/12	12:57	Watch	VIB	1	None	10	0	95	NO	Good	VIB ON - 2 sheets
C2300	09/12	12:58	Watch	Other	1	None	10	0	95	NO	Good	VIB OFF - welding
C2301	09/12	13:04	Watch	No Work	1	None	10	0	95	NO	Good	Lunch break
C2302	09/12	13:41	Watch	Other	2	Light	10	0	95	NO	Good	Welding sheets
C2303	09/12	13:57	Watch	VIB	2	Light	10	0	95	NO	Good	VIB ON - sheets
C2304	09/12	13:58	Watch	SLING	2	Light	10	0	95	NO	Good	Sling hammer / pick sheet
C2305	09/12	14:03	Watch	STAB	2	Light	10	0	95	NO	Good	Stabbing sheet
C2306	09/12	14:06	Watch	SLING	2	Light	10	0	95	NO	Good	Slinging sheet
C2307	09/12	14:08	Watch	STAB	2	Light	10	0	95	NO	Good	Stabbing sheet
C2308	09/12	14:11	Watch	SLING	2	Light	10	0	95	NO	Good	Slinging sheet
C2309	09/12	14:14	Watch	STAB	2	Light	10	0	95	NO	Good	Stabbing sheet
C2310	09/12	14:19	Watch	SLING	2	Light	10	0	95	NO	Good	Slinging sheet
C2311	09/12	14:22	Watch	STAB	2	Light	10	0	95	NO	Good	Stabbing sheet
C2312	09/12	14:25	Watch	SLING	3	Light	10	0	95	NO	Good	Slinging hammer - whitecaps starting
C2313	09/12	14:29	Watch	VIB	3	Light	10	0	95	NO	Good	VIB ON - 2 sheets
C2314	09/12	14:30	Watch	Other	3	Light	10	0	95	NO	Good	VIB OFF - re-aligning
C2315	09/12	14:31	Watch	VIB	3	Light	10	0	95	NO	Good	VIB ON

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2316	09/12	14:32	Watch	Other	3	Light	10	0	95	NO	Good	VIB OFF - Welding
C2317	09/12	14:38	Watch	VIB	3	Light	10	0	95	NO	Good	VIB ON - 2 sheets
C2318	09/12	14:41	Watch	Other	3	Light	10	0	95	NO	Good	VIB OFF - Welding
C2319	09/12	14:48	Watch	VIB	3	Light	10	0	95	NO	Good	VIB ON - 2 sheets
C2320	09/12	14:49	Watch	SLING	3	Light	10	0	95	NO	Good	Slinging hammer / pick "Y" pile
C2321	09/12	14:56	Watch	STAB	3	Light	10	0	95	NO	Good	Stab "Y" pile
C2322	09/12	15:02	Watch	SLING	3	Moderate	10	0	95	DR	Good	Slinging sheet
C2323	09/12	15:05	Watch	STAB	3	Moderate	10	0	95	DR	Good	Stabbing sheet
C2324	09/12	15:11	Watch	SLING	3	Moderate	10	0	95	NO	Good	Slinging sheet
C2325	09/12	15:15	Watch	STAB	3	Moderate	10	0	95	NO	Good	Stabbing sheet
C2326	09/12	15:19	Watch	SLING	3	Moderate	10	0	95	NO	Good	Slinging sheet
C2327	09/12	15:22	Watch	STAB	3	Moderate	10	0	95	NO	Good	Stabbing sheet
C2328	09/12	15:25	Watch	SLING	3	Moderate	10	0	95	NO	Good	Slinging hammer
C2329	09/12	15:29	Watch	VIB	3	Moderate	10	0	95	NO	Good	VIB ON - 2 sheets
C2330	09/12	15:32	Watch	Other	3	Moderate	10	0	95	NO	Good	VIB OFF - Welding
C2331	09/12	15:38	Watch	VIB	3	Moderate	10	0	90	NO	Good	VIB ON - "Y" pile & sheet
C2332	09/12	15:41	Watch	Other	3	Moderate	10	0	80	NO	Good	VIB OFF - Welding
C2333	09/12	15:49	Watch	VIB	3	Moderate	10	0	70	NO	Good	VIB ON - 2 sheets
C2334	09/12	15:50	Watch	SLING	3	Moderate	10	0	70	NO	Good	Hammer, sheet
C2335	09/12	15:55	Watch	STAB	3	Moderate	10	0	70	NO	Good	Stabbing sheet
C2336	09/12	15:59	Watch	SLING	3	Moderate	10	0	70	NO	Good	Slinging sheet
C2337	09/12	16:02	Watch	STAB	3	Moderate	10	0	70	NO	Good	Stabbing sheet
C2338	09/12	16:08	Watch	SLING	3	Moderate	10	0	70	NO	Good	Slinging sheet
C2339	09/12	16:11	Watch	STAB	3	Moderate	10	0	70	NO	Good	Stabbing sheet
C2340	09/12	16:14	Watch	SLING	3	Moderate	10	0	80	NO	Good	Slinging sheet
C2341	09/12	16:17	Watch	STAB	3	Moderate	10	0	80	NO	Good	Stabbing sheet
C2342	09/12	16:22	Watch	SLING	3	Moderate	10	0	80	DR	Good	
C2343	09/12	16:27	Watch	VIB	3	Moderate	10	0	80	DR	Good	VIB ON - 2 sheets
C2344	09/12	16:28	Watch	Other	3	Moderate	10	0	80	DR	Good	VIB OFF - Welding sheet
C2345	09/12	16:36	Watch	VIB	3	Moderate	10	0	80	NO	Good	VIB ON - 2 sheets
C2346	09/12	16:38	Watch	SLING	3	Moderate	10	0	80	NO	Good	VIB OFF - 2 sheets
C2347	09/12	16:43	Watch	VIB	3	Moderate	10	0	80	NO	Good	VIB ON - 2 sheets
C2348	09/12	16:45	Watch	SLING	3	Moderate	10	20	80	NO	Good	VIB OFF - Slinging sheet

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2349	09/12	16:49	Watch	STAB	3	Moderate	10	20	80	NO	Good	Stabbing sheet
C2350	09/12	16:51	Watch	Other	3	Moderate	10	20	80	NO	Good	Welding sheet
C2351	09/12	16:55	Watch	SLING	3	Moderate	10	20	80	NO	Good	Slinging sheet
C2352	09/12	16:57	Watch	STAB	3	Moderate	10	20	80	NO	Good	Stabbing sheet
C2353	09/12	16:59	Watch	Other	3	Moderate	10	20	80	NO	Good	Welding sheet
C2354	09/12	17:02	Watch	SLING	3	Moderate	10	20	80	NO	Good	Slinging sheet
C2355	09/12	17:04	Watch	STAB	3	Moderate	10	20	80	NO	Good	Stabbing sheet Slinging sheet
C2356	09/12	17:06	Watch	Other	3	Moderate	10	30	60	NO	Good	Welding sheet
C2357	09/12	17:10	Watch	SLING	3	Moderate	10	30	60	NO	Good	Slinging sheet
C2358	09/12	17:12	Watch	STAB	3	Moderate	10	30	60	NO	Good	Stabbing sheet
C2359	09/12	17:14	Watch	SLING	3	Moderate	10	30	40	NO	Good	Slinging sheet
C2360	09/12	17:20	Watch	VIB	3	Moderate	10	30	40	NO	Good	VIB ON - 2 sheets
C2361	09/12	17:22	Watch	Other	3	Moderate	10	30	30	NO	Good	VIB OFF
C2362	09/12	17:26	Watch	SLING	3	Moderate	10	30	30	NO	Good	
C2363	09/12	17:28	Watch	VIB	3	Moderate	10	30	20	NO	Good	VIB ON - 2 sheets
C2364	09/12	17:29	Watch	Other	3	Moderate	10	30	20	NO	Good	VIB OFF - Welding
C2365	09/12	17:33	Watch	SLING	3	Moderate	10	30	20	NO	Good	Slinging hammer to sheets
C2366	09/12	17:35	Watch	VIB	3	Moderate	10	30	20	NO	Good	VIB ON - 2 sheets
C2367	09/12	17:36	Watch	SLING	3	Moderate	10	30	20	NO	Good	VIB OFF - Slinging hammer
C2368	09/12	17:42	Watch	STAB	3	Moderate	10	30	20	NO	Good	Stabbing sheets
C2369	09/12	17:45	Watch	SLING	3	Moderate	10	30	30	NO	Good	Slinging hammer, then sheet
C2370	09/12	17:51	Watch	STAB	3	Moderate	10	30	30	NO	Good	Stabbing sheet
C2371	09/12	17:55	Watch	SLING	3	Moderate	10	30	50	NO	Good	Slinging hammer, then sheet
C2372	09/12	17:58	Watch	STAB	3	Moderate	10	30	50	NO	Good	Stabbing sheet
C2373	09/12	18:00	Watch	SLING	3	Moderate	10	30	50	NO	Good	Slinging hammer, then anchor pile
C2374	09/12	18:05	Watch	STAB	3	Moderate	10	30	60	NO	Good	Stabbing anchor pile
C2375	09/12	18:10	Watch	Other	3	Moderate	10	30	60	NO	Good	Welding anchor pile
C2376	09/12	18:22	Watch	SLING	3	Moderate	10	30	60	NO	Good	Slinging hammer to sheets
C2378	09/12	18:24	Watch	Other	3	Moderate	10	30	60	NO	Good	VIB OFF - welding pile
C2377	09/12	18:24	Watch	VIB	3	Moderate	10	30	60	NO	Good	VIB ON - anchor pile
C2379	09/12	18:26	Watch	SLING	3	Moderate	10	30	60	NO	Good	Slinging hammer to sheets
C2380	09/12	18:28	Watch	VIB	3	Moderate	10	30	60	NO	Good	VIB ON - 2 sheets
C2381	09/12	18:29	Watch	Other	3	Moderate	10	30	60	NO	Good	VIB OFF - welding pile

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2382	09/12	18:38	Watch	SLING	3	Moderate	10	30	60	NO	Good	Slinging hammer to sheets
C2383	09/12	18:38	Watch	VIB	3	Moderate	10	30	60	NO	Good	VIB ON - 2 sheets
C2384	09/12	18:40	Watch	SLING	3	Moderate	10	30	60	NO	Good	VIB OFF - Slinging to sheets
C2385	09/12	18:45	Watch	VIB	3	Moderate	10	30	60	NO	Good	VIB ON - 2 sheets
C2386	09/12	18:46	Watch	SLING	3	Moderate	10	30	60	NO	Good	VIB OFF - Sling to anchor
C2388	09/12	18:48	Watch	SLING	3	Moderate	10	30	60	NO	Good	VIB OFF
C2387	09/12	18:48	Watch	VIB	3	Moderate	10	30	60	NO	Good	VIB ON - anchor pile
C2389	09/12	18:49	Watch	VIB	3	Moderate	10	30	60	NO	Good	VIB ON - 2 sheets
C2390	09/12	18:50	Watch	SLING	3	Moderate	10	35	60	NO	Good	VIB OFF - Sling to sheet
C2392	09/12	18:54	Watch	SLING	3	Moderate	10	35	60	NO	Good	VIB OFF - Sling to sheet
C2391	09/12	18:54	Watch	VIB	3	Moderate	10	35	60	NO	Good	VIB ON - 2 sheets
C2394	09/12	18:57	Watch	SLING	3	Moderate	10	20	70	NO	Good	VIB OFF - Sling to sheets
C2393	09/12	18:57	Watch	VIB	3	Moderate	10	20	70	NO	Good	VIB ON - 2 sheets
C2396	09/12	18:59	Watch	SLING	3	Moderate	10	20	70	NO	Good	VIB OFF - Slinging hammer
C2395	09/12	18:59	Watch	VIB	3	Moderate	10	20	70	NO	Good	VIB ON - 2 sheets
C2397	09/12	19:00	Watch	POST	3	Moderate	10	20	70	NO	Good	
C2398	09/12	19:30	End	No Work	3	Moderate	10	20	70	NO	Good	
C2399	09/13	8:00	Start	PRE	1	None	10	10	100	NO	Good	
C2400	09/13	8:30	Watch	SLING	1	None	10	10	100	NO	Good	Slinging pipe to template
C2401	09/13	9:00	Watch	SLING	1	None	10	10	100	NO	Good	Slinging pipe to template, slinging hammer
C2402	09/13	9:17	Watch	VIB	1	None	10	10	100	NO	Good	VIB ON - 14" temp pile
C2403	09/13	9:19	Watch	SLING	1	None	10	10	100	NO	Good	VIB OFF - Slinging hammer
C2404	09/13	9:45	Watch	SLING	1	None	10	10	100	NO	Good	Slinging template
C2405	09/13	10:09	Watch	VIB	1	None	10	10	100	NO	Good	VIB ON - 2 sheets
C2406	09/13	10:10	Watch	SLING	1	None	10	10	100	NO	Good	VIB OFF
C2407	09/13	10:10	Watch	VIB	2	Light	10	10	100	NO	Good	VIB ON - 2 sheets
C2408	09/13	10:12	Watch	SLING	2	Light	10	10	100	NO	Good	VIB OFF
C2409	09/13	10:30	Watch	POST	2	Light	10	10	100	NO	Good	
C2410	09/13	11:00	End	No Work	2	Light	10	10	100	NO	Good	
C2411	09/14	8:00	Start	PRE	3	Light	3	0	100	DR	Good	
C2412	09/14	8:30	Watch	No Work	3	Light	3	0	100	DR	Good	
C2413	09/14	9:00	Watch	No Work	3	Light	2	0	100	DR	Good	
C2414	09/14	9:09	Watch	SLING	3	Light	2	0	100	DR	Good	Slinging hammer.

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2415	09/14	9:19	Watch	VIBR	3	Light	2	0	100	DR	Good	VIBR ON - 14" temp pile
C2416	09/14	9:26	Watch	SLING	3	Light	2	0	100	DR	Good	VIBR OFF - Sling to cell 3
C2417	09/14	9:34	Watch	VIB	3	Light	2	0	100	DR	Good	VIB - 14" temp pile
C2419	09/14	9:35	Watch	POST	3	Light	2	0	100	DR	Good	
C2418	09/14	9:35	Watch	SLING	3	Light	2	0	100	DR	Good	VIB OFF - Sling hammer
C2420	09/14	10:05	Break	No Work	3	Light	2	0	100	DR	Good	
C2421	09/14	14:00	Start	PRE	3	Moderate	10	0	100	NO	Good	Begin watch - man basket
C2422	09/14	14:40	Watch	Other	4	Moderate	10	0	100	NO	Good	Cutting spuds in cell 4
C2423	09/14	14:43	Watch	VIBR	4	Moderate	10	0	100	NO	Good	VIBR ON - 14" temp pile out
C2424	09/14	14:44	Watch	SLING	4	Moderate	10	0	100	NO	Good	Sling 14" temp pile to cell 3
C2425	09/14	14:45	Watch	VIB/VIBR	4	Moderate	10	0	100	NO	Good	VIB/VIBR ON - 14" temp pile in
C2426	09/14	14:48	Watch	SLING	4	Moderate	10	0	100	NO	Good	VIB OFF
C2427	09/14	14:54	Watch	VIBR	4	Moderate	10	0	100	NO	Good	VIBR ON - 14" temp pile out
C2428	09/14	14:55	Watch	VIB	4	Moderate	10	0	100	NO	Good	VIB - 14" temp pile in
C2429	09/14	14:56	Watch	SLING	4	Moderate	10	0	100	NO	Good	VIB OFF - hammer down
C2430	09/14	15:00	Watch	SLING	4	Moderate	10	0	100	NO	Good	Move template
C2431	09/14	15:30	Watch	SLING	4	Moderate	10	0	100	NO	Good	Slinging/welding template
C2432	09/14	16:00	Watch	SLING	4	Moderate	10	0	100	NO	Good	Slinging/welding template
C2433	09/14	16:05	Watch	SLING	4	Moderate	10	0	100	NO	Good	Sling sheet
C2434	09/14	16:08	Watch	STAB	4	Moderate	10	0	100	LTRN	Good	Stab sheet
C2435	09/14	16:11	Watch	SLING	4	Moderate	10	0	100	LTRN	Good	Sling sheet
C2436	09/14	16:19	Watch	STAB	4	Moderate	10	0	100	LTRN	Good	Stab sheet
C2437	09/14	16:25	Watch	SLING	3	Moderate	10	0	100	LTRN	Good	Sling sheet
C2438	09/14	16:29	Watch	STAB	3	Moderate	10	0	100	LTRN	Good	Stab sheet
C2439	09/14	16:33	Watch	SLING	3	Moderate	10	0	100	LTRN	Good	Sling sheet
C2440	09/14	16:37	Watch	STAB	3	Moderate	10	0	100	LTRN	Good	Stab sheet
C2441	09/14	16:44	Watch	SLING	3	Moderate	10	0	100	LTRN	Good	Sling hammer
C2442	09/14	16:48	Watch	STAB	3	Moderate	10	0	100	LTRN	Good	Stab sheet
C2443	09/14	16:52	Watch	SLING	3	Moderate	10	0	100	LTRN	Good	Sling hammer
C2444	09/14	16:58	Watch	VIB	3	Moderate	10	0	100	LTRN	Good	VIB ON - 2 sheets
C2445	09/14	17:01	Watch	Other	3	Moderate	10	0	100	LTRN	Good	VIB OFF - Welding
C2446	09/14	17:12	Watch	VIB	3	Light	8	0	100	LTRN	Good	VIB ON - 2 sheets
C2447	09/14	17:14	Watch	SLING	3	Light	8	0	100	LTRN	Good	VIB OFF - Sling hammer

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2448	09/14	17:16	Watch	VIB	3	Light	8	0	100	LTRN	Good	VIB - all piles on tail wall
C2449	09/14	17:26	Watch	SLING	3	Light	8	0	100	LTRN	Good	Sling hammer / sheet
C2450	09/14	17:32	Watch	STAB	3	Light	8	0	100	LTRN	Good	Stab sheet
C2451	09/14	17:40	Watch	SLING	3	Light	8	0	100	LTRN	Good	Sling sheet
C2452	09/14	17:43	Watch	STAB	3	Light	8	0	100	LTRN	Good	Stab sheet
C2453	09/14	17:49	Watch	SLING	3	Light	8	0	100	LTRN	Good	Sling sheet
C2454	09/14	17:54	Watch	STAB	3	Light	8	0	100	LTRN	Good	Stab sheet - shift change
C2455	09/14	17:58	Watch	SLING	3	Light	8	0	100	LTRN	Good	Sling sheet
C2456	09/14	18:01	Watch	STAB	3	Light	8	0	100	LTRN	Good	Stab sheet
C2457	09/14	18:04	Watch	SLING	3	Light	8	0	100	LTRN	Good	Sling hammer
C2458	09/14	18:12	Watch	VIB	3	Light	8	0	100	LTRN	Good	VIB ON - 2 sheets
C2459	09/14	18:14	Watch	SLING	3	Light	8	0	100	LTRN	Good	VIB OFF - Sling hammer
C2460	09/14	18:28	Watch	VIB	3	Light	8	0	100	LTRN	Good	VIB ON - 2 sheets
C2461	09/14	18:29	Watch	SLING	3	Light	8	0	100	LTRN	Good	VIB OFF - Sling hammer
C2463	09/14	18:37	Watch	SLING	3	Light	5	0	100	LTRN	Good	VIB OFF - Sling hammer
C2462	09/14	18:37	Watch	VIB	3	Light	5	0	100	LTRN	Good	VIB ON - 2 sheets
C2464	09/14	18:42	Watch	SLING	3	Light	5	0	100	LTRN	Good	Sling sheet
C2465	09/14	18:44	Watch	STAB	3	Light	4	0	100	LTRN	Good	Stab sheet
C2466	09/14	18:53	Watch	Other	3	Light	3	0	100	LTRN	Good	Welding
C2467	09/14	18:56	Watch	SLING	3	Light	3	0	100	DR	Good	Sling sheet
C2468	09/14	18:59	Watch	STAB	3	Light	3	0	100	DR	Good	Stab sheet
C2469	09/14	19:03	Watch	SLING	3	Light	3	0	100	DR	Good	Sling sheet
C2470	09/14	19:07	Watch	STAB	3	Light	3	0	100	LTRN	Good	Stab sheet
C2471	09/14	19:11	Watch	SLING	3	Light	3	0	100	DR	Good	Sling sheet
C2472	09/14	19:13	Watch	STAB	3	Light	3	0	100	DR	Good	Stab sheet
C2473	09/14	19:18	Watch	SLING	3	Light	3	0	100	LTRN	Good	Sling hammer
C2474	09/14	19:23	Watch	VIB	3	Light	3	0	100	LTRN	Good	VIB ON - 2 sheets
C2475	09/14	19:25	Watch	Other	3	Light	3	0	100	LTRN	Good	VIB OFF - Welding
C2476	09/14	19:32	Watch	VIB	3	Light	3	0	100	DR	Good	VIB ON - 2 sheets
C2477	09/14	19:34	Watch	SLING	3	Light	3	0	100	DR	Good	VIB OFF - Sling hammer
C2479	09/14	19:41	Watch	SLING	3	Light	3	0	100	DR	Good	VIB OFF - Sling sheet
C2478	09/14	19:41	Watch	VIB	3	Light	3	0	100	DR	Good	VIB ON - 2 sheets
C2480	09/14	19:48	Watch	STAB	3	Light	3	0	100	DR	Good	Stab sheet

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2481	09/14	19:50	Watch	Other	3	Light	3	0	100	NO	Good	Welding
C2482	09/14	19:55	Watch	SLING	3	Light	3	0	100	NO	Good	Sling sheet
C2483	09/14	19:56	Watch	STAB	3	Light	3	0	100	NO	Good	Stab sheet
C2484	09/14	20:00	Watch	SLING	3	Light	3	0	100	NO	Good	Sling sheet
C2485	09/14	20:04	Watch	STAB	3	Light	3	0	100	NO	Good	Stab sheet
C2486	09/14	20:11	Watch	SLING	3	Light	3	0	100	NO	Good	Sling sheet
C2487	09/14	20:14	Watch	STAB	3	Light	3	0	100	NO	Good	Stab sheet
C2488	09/14	20:16	Watch	SLING	3	Light	3	0	100	NO	Good	Sling hammer
C2489	09/14	20:23	Watch	VIB	3	Light	3	0	100	NO	Good	VIB ON - 2 sheets
C2490	09/14	20:25	Watch	Other	3	Light	3	0	100	NO	Good	VIB OFF - Welding
C2491	09/14	20:31	Watch	SLING	3	Light	3	0	100	NO	Good	Sling hammer
C2492	09/14	20:33	Watch	VIB	3	Light	3	0	100	NO	Good	VIB ON - 2 sheets
C2493	09/14	20:36	Watch	SLING	3	Light	3	0	100	NO	Good	VIB OFF - Sling hammer
C2494	09/14	20:43	Watch	POST	3	Light	3	0	100	NO	Good	VIB ON - 2 sheets
C2496	09/14	20:43	Watch	SLING	3	Light	3	0	100	NO	Good	
C2495	09/14	20:43	Watch	VIB	3	Light	3	0	100	NO	Good	VIB OFF - Swing hammer
C2497	09/14	21:13	End	No Work	3	Light	3	0	100	NO	Good	
C2498	09/15	8:30	Start	PRE	3	Light	2	0	100	LTRN	Fair	
C2499	09/15	9:00	Watch	SLING	3	Light	2	0	100	LTRN	Fair	Sling hammer
C2500	09/15	9:02	Watch	VIB	3	Light	2	0	100	LTRN	Fair	VIB ON - 2 sheets
C2501	09/15	9:04	Watch	Other	3	Light	2	0	100	LTRN	Fair	VIB OFF - welding/slinging
C2502	09/15	9:12	Watch	VIB	3	Light	2	0	100	LTRN	Fair	VIB ON - 2 sheets
C2503	09/15	9:14	Watch	SLING	3	Light	2	0	100	LTRN	Fair	VIB OFF - sling hammer
C2504	09/15	9:22	Watch	VIB	3	Light	2	0	100	LTRN	Fair	VIB ON - 2 sheets
C2505	09/15	9:23	Watch	SLING	3	Light	2	0	100	LTRN	Fair	VIB OFF - Sling "Y" pile
C2506	09/15	9:35	Watch	STAB	3	Light	2	0	100	LTRN	Fair	Stab "Y" pile
C2507	09/15	9:39	Watch	SLING	3	Light	2	0	100	LTRN	Fair	Sling sheet
C2508	09/15	9:43	Watch	STAB	3	Light	2	0	100	LTRN	Fair	Stab sheet
C2509	09/15	9:48	Watch	Other	3	Light	2	0	100	LTRN	Fair	Welding
C2510	09/15	9:51	Watch	SLING	3	Light	2	0	100	LTRN	Fair	Sling sheet
C2511	09/15	9:53	Watch	STAB	3	Light	2	0	100	LTRN	Fair	Stab sheet
C2512	09/15	10:02	Watch	SLING	3	Light	2	0	100	LTRN	Fair	Sling sheet
C2513	09/15	10:04	Watch	STAB	3	Light	2	0	100	LTRN	Fair	Stab sheet

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2514	09/15	10:14	Watch	SLING	3	Light	2	0	100	LTRN	Fair	Sling sheet
C2515	09/15	10:20	Watch	VIB	3	Light	2	0	100	LTRN	Fair	VIB ON - 2 sheets
C2516	09/15	10:22	Watch	SLING	3	Light	2	0	100	LTRN	Fair	VIB OFF - Sling hammer
C2517	09/15	10:30	Watch	VIB	3	Light	2	0	100	LTRN	Fair	VIB ON - "Y" and 1 sheet
C2518	09/15	10:35	Watch	SLING	3	Light	2	0	100	LTRN	Fair	VIB OFF - sling hammer / weld
C2519	09/15	10:41	Watch	VIB	3	Light	2	0	100	LTRN	Fair	VIB ON - 2 sheets
C2520	09/15	10:42	Watch	SLING	3	Light	2	0	100	LTRN	Fair	VIB OFF - Sling hammer
C2521	09/15	10:48	Watch	SLING	3	Light	5	0	100	LTRN	Fair	Sling sheet
C2522	09/15	10:49	Watch	STAB	3	Light	5	0	100	LTRN	Good	Stab sheet
C2523	09/15	10:57	Watch	SLING	3	Light	5	0	100	LTRN	Good	Sling sheet
C2524	09/15	10:58	Watch	STAB	3	Light	5	0	100	LTRN	Good	Stab sheet
C2525	09/15	11:01	Watch	SLING	3	Light	5	0	100	LTRN	Good	Sling sheet
C2526	09/15	11:06	Watch	STAB	3	Light	5	0	100	LTRN	Good	Stab sheet
C2527	09/15	11:08	Watch	SLING	3	Light	5	0	100	LTRN	Good	Sling hammer/sheet
C2528	09/15	11:12	Watch	STAB	3	Light	5	0	100	LTRN	Good	Stab sheet
C2529	09/15	11:17	Watch	SLING	3	Light	5	0	100	LTRN	Good	Sling sheet
C2530	09/15	11:22	Watch	VIB	3	Light	5	0	100	LTRN	Good	VIB ON - 2 sheets
C2531	09/15	11:24	Watch	SLING	3	Light	5	0	100	LTRN	Good	VIB OFF - Sling hammer
C2532	09/15	11:32	Watch	VIB	3	Light	5	0	100	LTRN	Good	VIB ON - 2 sheets
C2533	09/15	11:33	Watch	SLING	3	Light	5	0	100	LTRN	Good	VIB OFF - Sling hammer
C2535	09/15	11:44	Watch	SLING	3	Light	5	0	100	LTRN	Good	VIB OFF - Sling hammer, break
C2534	09/15	11:44	Watch	VIB	3	Light	5	0	100	LTRN	Good	VIB ON - 2 sheets
C2536	09/15	12:09	Watch	SLING	3	Light	2	0	100	LTRN	Good	Sling sheet
C2537	09/15	12:10	Watch	STAB	3	Light	2	0	100	LTRN	Good	Stab sheet
C2538	09/15	12:15	Watch	SLING	3	Light	2	0	100	LTRN	Good	Sling sheet
C2539	09/15	12:19	Watch	STAB	3	Light	2	0	100	LTRN	Good	Stab sheet
C2540	09/15	12:20	Watch	Other	3	Light	2	0	100	LTRN	Good	Welding
C2541	09/15	12:24	Watch	SLING	3	Light	5	0	100	LTRN	Good	Sling sheet
C2542	09/15	12:28	Watch	STAB	3	Light	5	0	100	LTRN	Good	Stab sheet
C2543	09/15	12:29	Watch	No Work	3	Light	5	0	100	LTRN	Good	Break
C2544	09/15	13:00	Watch	No Work	2	Light	5	0	100	LTRN	Good	Break
C2545	09/15	13:13	Watch	SLING	2	Light	7	0	100	LTRN	Good	Sling sheet
C2546	09/15	13:16	Watch	STAB	2	Light	7	0	100	LTRN	Good	Stab sheet

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2547	09/15	13:20	Watch	SLING	2	Light	7	0	100	LTRN	Good	Sling hammer
C2548	09/15	13:25	Watch	VIB	2	Light	7	0	100	LTRN	Good	VIB ON - 2 sheets
C2549	09/15	13:27	Watch	Other	2	Light	7	0	100	LTRN	Good	VIB OFF - Welding
C2550	09/15	13:35	Watch	VIB	2	Light	9	0	100	NO	Good	VIB ON - 2 sheets
C2551	09/15	13:36	Watch	Other	2	Light	9	0	100	NO	Good	VIB OFF - Welding
C2552	09/15	13:38	Watch	VIB	2	Light	9	0	100	NO	Good	VIB ON - 2 sheets
C2553	09/15	13:39	Watch	Other	2	Light	9	0	100	NO	Good	VIB OFF - Welding
C2554	09/15	13:46	Watch	VIB	2	Light	9	0	100	NO	Good	VIB ON - 2 sheets
C2555	09/15	13:47	Watch	SLING	2	Light	9	0	100	NO	Good	VIB OFF - Hammer down / sheet
C2556	09/15	13:55	Watch	STAB	2	Light	9	0	100	NO	Good	Stab sheet
C2557	09/15	13:58	Watch	SLING	2	Light	9	0	100	NO	Good	Sling sheet
C2558	09/15	14:02	Watch	STAB	2	Light	9	0	100	NO	Good	Stab sheet
C2559	09/15	14:06	Watch	SLING	2	Light	9	0	100	NO	Good	Sling sheet
C2560	09/15	14:09	Watch	STAB	2	Light	9	0	100	NO	Good	Stab sheet
C2561	09/15	14:13	Watch	SLING	2	Light	7	0	100	NO	Good	Sling anchor pile
C2562	09/15	14:24	Watch	STAB	2	Light	6	0	100	NO	Good	Stab anchor pile
C2563	09/15	14:33	Watch	SLING	2	Light	6	0	100	NO	Good	Sling hammer
C2564	09/15	14:40	Watch	VIB	2	Light	8	0	100	NO	Good	VIB ON - Anchor pile
C2565	09/15	14:43	Watch	Other	2	Light	8	0	100	NO	Good	VIB OFF - Welding
C2566	09/15	14:46	Watch	VIB	2	Light	8	0	100	NO	Good	VIB ON - 2 sheets
C2567	09/15	14:47	Watch	Other	2	Light	8	0	100	NO	Good	VIB OFF - Welding
C2568	09/15	14:48	Watch	VIB	2	Light	8	0	100	NO	Good	VIB ON - 2 sheets
C2569	09/15	14:49	Watch	Other	2	Light	8	0	100	NO	Good	VIB OFF - Welding
C2570	09/15	14:59	Watch	VIB	2	Light	8	0	100	NO	Good	VIB ON - 2 sheets
C2571	09/15	15:01	Watch	SLING	2	Light	8	0	100	NO	Good	VIB OFF - Sling hammer
C2572	09/15	15:08	Watch	VIB	2	Light	8	0	100	NO	Good	VIB ON - 2 sheets
C2573	09/15	15:09	Watch	Other	2	Light	8	0	100	NO	Good	VIB OFF - Welding
C2574	09/15	15:17	Watch	VIB	2	Light	8	0	100	NO	Good	VIB ON - 14" temporary pile
C2575	09/15	15:18	Watch	SLING	2	Light	8	0	100	NO	Good	VIB OFF - Sling hammer
C2576	09/15	15:19	Watch	VIB	2	Light	8	0	100	NO	Good	VIB ON - 2 sheets
C2577	09/15	15:20	Watch	SLING	2	Light	8	0	100	NO	Good	VIB OFF - Sling hammer
C2578	09/15	15:25	Watch	VIBR	2	Light	6	0	100	NO	Good	VIBR ON - 14" temporary pile
C2579	09/15	15:28	Watch	SLING	2	Light	6	0	100	NO	Good	VIBR OFF - Sling pile from 3 to 2

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2580	09/15	15:29	Watch	VIB	2	Light	6	0	100	NO	Good	VIB ON - 14" temporary pile
C2581	09/15	15:30	Watch	SLING	2	Light	6	0	100	NO	Good	VIB OFF - Sling hammer
C2582	09/15	15:44	Watch	VIBR	2	Light	3	0	100	DR	Fair	VIBR ON - 14" temporary pile
C2583	09/15	15:51	Watch	SLING	2	Light	2	0	100	DR	Fair	VIBR OFF - Sling hammer
C2584	09/15	15:52	Watch	VIB	2	Light	2	0	100	DR	Fair	VIB ON - 14" temporary pile
C2585	09/15	15:53	Watch	SLING	2	Light	2	0	100	DR	Fair	VIB OFF - Sling hammer
C2586	09/15	15:55	Watch	VIBR	2	Light	1	0	100	DR	Fair	VIBR ON - 14" temporary pile
C2587	09/15	15:56	Watch	SLING	2	Light	1	0	100	DR	Fair	VIBR OFF - Sling pile from 4 to 5
C2588	09/15	15:57	Watch	VIB	2	Light	1	0	100	DR	Fair	VIB ON - 14" temporary pile
C2589	09/15	15:58	Watch	SLING	2	Light	1	0	100	DR	Fair	VIB OFF - Sling hammer down
C2590	09/15	16:05	Watch	No Work	2	Light	2	0	100	DR	Fair	
C2591	09/15	16:30	Watch	No Work	2	Light	5	0	100	DR	Fair	Shift change
C2592	09/15	17:00	Watch	No Work	2	Light	5	0	100	DR	Fair	
C2593	09/15	17:20	Watch	SLING	2	Light	5	0	100	NO	Fair	Sling man basket for welding
C2594	09/15	17:50	Watch	No Work	2	Light	5	0	100	LTRN	Fair	
C2595	09/15	18:00	Watch	No Work	2	Light	10	0	80	NO	Good	
C2596	09/15	18:24	Watch	SLING	2	Light	10	20	80	NO	Good	Sling hammer
C2597	09/15	18:28	Watch	VIBR	2	Light	10	20	80	NO	Good	VIBR ON - 14" temporary pile
C2598	09/15	18:28	Watch	VIBR	2	Light	10	20	80	NO	Good	VIBR OFF - Sling hammer
C2600	09/15	18:31	Watch	SLING	1	None	10	20	70	NO	Good	VIB OFF - Sling hammer
C2599	09/15	18:31	Watch	VIB	1	None	10	20	70	NO	Good	VIB ON - 14" temporary pile
C2601	09/15	18:54	Watch	SLING	1	None	10	20	50	NO	Good	Sling template, pick hammer
C2602	09/15	19:04	Watch	VIBR	1	None	10	20	30	NO	Good	VIBR ON - 14" temporary pile
C2603	09/15	19:05	Watch	SLING	1	None	10	20	30	NO	Good	VIBR OFF - Sling pile
C2604	09/15	19:14	Watch	VIB	1	None	10	20	30	NO	Good	VIB ON - 14" temporary pile
C2605	09/15	19:15	Watch	SLING	1	None	10	20	30	NO	Good	VIB OFF - Sling hammer
C2606	09/15	19:29	Watch	SLING	1	None	10	20	20	NO	Good	Sling template
C2607	09/15	19:59	Watch	Other	1	None	10	20	20	NO	Good	Welding template
C2608	09/15	20:29	Watch	Other	1	None	10	20	20	NO	Good	Welding template
C2609	09/15	20:42	Watch	SLING	1	None	10	20	20	NO	Good	Sling hammer
C2611	09/15	20:44	Watch	SLING	1	None	10	20	20	NO	Good	VIBR OFF - Sling pile
C2610	09/15	20:44	Watch	VIBR	1	None	10	20	20	NO	Good	VIBR ON - 14" temporary pile
C2612	09/15	20:46	Watch	VIB	1	None	10	20	20	NO	Good	VIB ON - 14" temporary pile

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2614	09/15	20:47	Watch	POST	1	None	10	20	20	NO	Good	
C2613	09/15	20:47	Watch	SLING	1	None	10	20	20	NO	Good	VIB OFF - Sling hammer
C2615	09/15	21:17	End	No Work	1	None	10	20	20	NO	Good	
C2616	09/16	8:30	Start	PRE	2	Light	4	0	100	DR	Good	
C2617	09/16	9:00	Watch	Other	2	Light	6	0	100	DR	Good	Welding template
C2618	09/16	9:24	Watch	SLING	2	Light	6	0	100	DR	Good	Sling hammer
C2620	09/16	9:27	Watch	SLING	2	Light	6	0	100	DR	Good	VIBR OFF - sling pile
C2619	09/16	9:27	Watch	VIBR	2	Light	6	0	100	DR	Good	VIBR ON - 14" temporary pile
C2621	09/16	9:29	Watch	VIB	2	Light	4	0	100	DR	Good	VIB ON - 14" temporary pile
C2622	09/16	9:30	Watch	Other	2	Light	4	0	100	DR	Good	VIB OFF - welding
C2623	09/16	9:34	Watch	SLING	2	Light	4	0	100	DR	Good	Sling hammer
C2624	09/16	9:41	Watch	SLING	2	Light	4	0	100	DR	Good	Sling sheet
C2625	09/16	9:43	Watch	STAB	2	Light	4	0	100	DR	Good	Stab sheet
C2626	09/16	9:47	Watch	Other	2	Light	4	0	100	DR	Good	Welding
C2627	09/16	9:58	Watch	SLING	2	Light	4	0	100	DR	Good	Sling sheet
C2628	09/16	10:00	Watch	STAB	2	Light	4	0	100	DR	Good	Stab sheet
C2629	09/16	10:07	Watch	SLING	2	Light	4	0	100	DR	Good	Sling sheet
C2630	09/16	10:09	Watch	STAB	2	Light	4	0	95	DR	Good	Stab sheet
C2631	09/16	10:14	Watch	SLING	2	Light	6	0	95	DR	Good	Sling sheet
C2632	09/16	10:17	Watch	STAB	2	Light	10	0	95	DR	Good	Stab sheet
C2633	09/16	10:21	Watch	SLING	2	Light	10	0	95	DR	Good	Sling sheet
C2634	09/16	10:24	Watch	STAB	2	Light	10	0	95	DR	Good	Stab sheet
C2635	09/16	10:30	Watch	SLING	2	Light	10	0	90	DR	Good	Sling hammer
C2636	09/16	10:35	Watch	VIB	2	Light	10	0	90	DR	Good	VIB ON - 2 sheets
C2637	09/16	10:38	Watch	Other	2	Light	10	0	90	DR	Good	VIB OFF - welding
C2638	09/16	10:52	Watch	VIB	2	Light	10	0	90	DR	Good	VIB ON - 2 sheets
C2639	09/16	10:54	Watch	SLING	2	Light	10	0	90	DR	Good	VIB OFF - sling hammer and sheet
C2640	09/16	11:00	Watch	STAB	2	Light	10	0	90	NO	Good	Stab sheet
C2641	09/16	11:06	Watch	SLING	2	Light	10	0	90	NO	Good	Sling sheet
C2642	09/16	11:09	Watch	STAB	2	Light	10	0	90	NO	Good	Stab sheet
C2643	09/16	11:16	Watch	SLING	2	Light	10	0	90	NO	Good	Sling sheet
C2644	09/16	11:19	Watch	STAB	2	Light	10	0	90	NO	Good	Stab sheet
C2645	09/16	11:24	Watch	SLING	2	Light	10	0	90	NO	Good	Sling sheet

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2646	09/16	11:28	Watch	STAB	2	Light	10	0	90	NO	Good	Stab sheet
C2647	09/16	11:33	Watch	SLING	2	Light	10	0	90	NO	Good	Sling hammer
C2648	09/16	11:38	Watch	VIB	3	Light	10	0	90	NO	Good	VIB ON - 2 sheets
C2649	09/16	11:41	Watch	Other	3	Light	10	0	90	NO	Good	VIB OFF - welding
C2650	09/16	11:50	Watch	VIB	3	Light	10	0	90	NO	Good	VIB ON - 2 sheets
C2651	09/16	11:52	Watch	SLING	3	Light	10	0	90	NO	Good	VIB OFF - Sling hammer
C2653	09/16	11:59	Watch	SLING	3	Light	10	0	90	NO	Good	VIB OFF - sling hammer
C2652	09/16	11:59	Watch	VIB	3	Light	10	0	90	NO	Good	VIB ON - 2 sheets
C2654	09/16	12:00	Watch	No Work	3	Light	10	0	90	NO	Good	Break
C2655	09/16	12:17	Watch	SLING	3	Light	10	0	90	NO	Good	Sling sheet
C2656	09/16	12:20	Watch	STAB	3	Light	10	0	80	NO	Good	Stab sheet
C2657	09/16	12:24	Watch	SLING	3	Light	10	0	80	NO	Good	Sling sheet
C2658	09/16	12:27	Watch	STAB	2	Light	10	0	50	NO	Good	Stab sheet
C2659	09/16	12:32	Watch	SLING	2	Light	10	0	50	NO	Good	Sling sheet
C2660	09/16	12:35	Watch	STAB	2	Light	10	0	50	NO	Good	Stab sheet
C2661	09/16	12:38	Watch	No Work	2	Light	10	0	50	NO	Good	Lunch break
C2662	09/16	13:21	Watch	SLING	3	Light	10	0	50	NO	Good	Sling sheet
C2663	09/16	13:24	Watch	STAB	3	Light	10	0	50	NO	Good	Stab sheet
C2664	09/16	13:29	Watch	SLING	3	Light	10	0	50	NO	Good	Sling hammer
C2665	09/16	13:32	Watch	VIB	3	Light	10	0	50	NO	Good	VIB ON - 2 sheets
C2666	09/16	13:34	Watch	Other	3	Light	10	0	50	NO	Good	VIB OFF - welding
C2667	09/16	13:42	Watch	VIB	3	Light	10	0	40	NO	Good	VIB ON - 2 sheets
C2668	09/16	13:44	Watch	Other	3	Light	10	0	40	NO	Good	VIB OFF - welding
C2669	09/16	13:51	Watch	VIB	3	Light	10	0	40	NO	Good	VIB ON - 2 sheets
C2670	09/16	13:52	Watch	SLING	3	Light	10	0	40	NO	Good	Sling hammer down
C2671	09/16	13:59	Watch	STAB	3	Light	10	0	40	NO	Good	Stab sheet
C2672	09/16	14:04	Watch	SLING	3	Light	10	0	40	NO	Good	Sling sheet
C2673	09/16	14:08	Watch	STAB	3	Light	10	0	40	NO	Good	Stab sheet
C2674	09/16	14:15	Watch	SLING	3	Light	10	0	40	NO	Good	Sling sheet
C2675	09/16	14:20	Watch	STAB	3	Light	10	0	40	NO	Good	Stab sheet
C2676	09/16	14:25	Watch	SLING	3	Light	10	0	40	NO	Good	Sling sheet
C2677	09/16	14:29	Watch	STAB	3	Light	10	0	40	NO	Good	Stab sheet
C2678	09/16	14:33	Watch	SLING	3	Light	10	0	40	NO	Good	Sling sheet

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2679	09/16	14:40	Watch	VIB	3	Light	10	0	40	NO	Good	VIB ON - 2 sheets
C2680	09/16	14:41	Watch	Other	3	Light	10	0	40	NO	Good	VIB OFF - welding
C2681	09/16	14:50	Watch	VIB	3	Light	10	0	40	NO	Good	VIB ON - 2 sheets
C2682	09/16	14:52	Watch	Other	3	Light	10	0	40	NO	Good	VIB OFF - welding
C2683	09/16	14:59	Watch	VIB	3	Light	10	0	40	NO	Good	VIB ON - 2 sheets
C2684	09/16	15:00	Watch	SLING	3	Light	10	0	40	NO	Good	Sling hammer / sheet
C2685	09/16	15:08	Watch	STAB	3	Light	10	0	40	NO	Good	Stab sheet
C2686	09/16	15:14	Watch	SLING	3	Light	10	0	40	NO	Good	Sling sheet
C2687	09/16	15:18	Watch	STAB	3	Light	10	0	50	NO	Good	Stab sheet
C2688	09/16	15:29	Watch	SLING	3	Light	10	0	60	NO	Good	Sling sheet
C2689	09/16	15:32	Watch	STAB	3	Light	10	0	60	NO	Good	Stab sheet
C2690	09/16	15:42	Watch	SLING	3	Light	10	0	70	NO	Good	Sling sheet
C2691	09/16	15:48	Watch	STAB	3	Light	10	0	70	NO	Good	Stab sheet
C2692	09/16	16:06	Watch	SLING	2	Light	10	0	90	NO	Good	Sling hammer
C2693	09/16	16:11	Watch	VIB	2	Light	10	0	90	NO	Good	VIB ON - 2 sheets
C2694	09/16	16:15	Watch	Other	2	Light	10	0	90	NO	Good	VIB OFF - welding
C2695	09/16	16:24	Watch	VIB	2	Light	10	0	90	NO	Good	VIB ON - 2 sheets
C2696	09/16	16:26	Watch	Other	2	Light	10	0	90	NO	Good	VIB OFF - welding
C2698	09/16	16:35	Watch	SLING	2	Light	10	0	90	NO	Good	VIB OFF - sling hammer
C2697	09/16	16:35	Watch	VIB	2	Light	10	0	90	NO	Good	VIB ON - 2 sheets
C2699	09/16	16:50	Watch	SLING	2	Light	10	0	90	NO	Good	Sling "Y" pile
C2700	09/16	16:53	Watch	STAB	2	Light	10	0	90	NO	Good	Stab "Y" pile
C2701	09/16	16:58	Watch	Other	2	Light	10	0	90	NO	Good	Welding
C2702	09/16	17:05	Watch	SLING	2	Light	10	0	90	NO	Good	Sling sheet
C2703	09/16	17:08	Watch	STAB	2	Light	10	0	70	NO	Good	Stab sheet
C2704	09/16	17:11	Watch	Other	2	Light	10	0	70	NO	Good	Welding
C2705	09/16	17:18	Watch	SLING	2	Light	10	0	70	NO	Good	Sling sheet
C2706	09/16	17:20	Watch	STAB	2	Light	10	0	60	NO	Good	Stab sheet
C2707	09/16	17:27	Watch	SLING	2	Light	10	0	60	NO	Good	Sling sheet
C2708	09/16	17:30	Watch	STAB	2	Light	10	0	50	NO	Good	Stab sheet
C2709	09/16	17:44	Watch	SLING	2	Light	10	0	50	NO	Good	Sling hammer
C2710	09/16	17:47	Watch	VIB	2	Light	10	0	40	NO	Good	VIB ON - 2 sheets
C2711	09/16	17:53	Watch	Other	2	Light	10	0	40	NO	Good	VIB OFF - welding

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2712	09/16	18:00	Watch	VIB	2	Light	10	0	40	NO	Good	VIB ON - "Y" and sheet
C2713	09/16	18:04	Watch	SLING	2	Light	10	10	40	NO	Good	VIB OFF - Sling hammer / sheet
C2714	09/16	18:11	Watch	STAB	2	Light	10	10	40	NO	Good	Stab sheet
C2715	09/16	18:19	Watch	SLING	2	Light	10	10	40	NO	Good	Sling sheet
C2716	09/16	18:21	Watch	STAB	2	Light	10	10	40	NO	Good	Stab sheet
C2717	09/16	18:25	Watch	SLING	2	Light	10	10	40	NO	Good	Sling sheet
C2718	09/16	18:29	Watch	STAB	2	Light	10	10	40	NO	Good	Stab sheet
C2719	09/16	18:34	Watch	SLING	2	Light	10	10	40	NO	Good	Sling sheet
C2720	09/16	18:36	Watch	STAB	2	Light	10	10	40	NO	Good	Stab sheet
C2721	09/16	18:40	Watch	SLING	2	Light	10	10	40	NO	Good	Sling hammer
C2722	09/16	18:48	Watch	VIB	2	Light	10	10	40	NO	Good	VIB ON - 2 sheets
C2723	09/16	18:50	Watch	SLING	2	Light	10	10	40	NO	Good	VIB OFF - Sling hammer
C2724	09/16	18:56	Watch	VIB	2	Light	10	20	40	NO	Good	VIB ON - 2 sheets
C2725	09/16	18:58	Watch	SLING	2	Light	10	20	40	NO	Good	VIB OFF - Sling hammer
C2727	09/16	19:04	Watch	SLING	2	Light	10	20	40	NO	Good	VIB OFF - Sling hammer
C2726	09/16	19:04	Watch	VIB	2	Light	10	20	40	NO	Good	VIB ON - 2 sheets
C2729	09/16	19:08	Watch	SLING	2	Light	10	20	50	NO	Good	VIBR OFF - Sling pile
C2728	09/16	19:08	Watch	VIBR	2	Light	10	20	50	NO	Good	VIBR ON - 14" temporary pile
C2730	09/16	19:09	Watch	VIB	2	Light	10	20	50	NO	Good	VIB ON - 14" temporary pile
C2731	09/16	19:10	Watch	SLING	2	Light	10	20	50	NO	Good	VIB OFF - Sling hammer
C2733	09/16	19:12	Watch	SLING	2	Light	10	20	60	NO	Good	VIB OFF - Sling hammer
C2732	09/16	19:12	Watch	VIB	2	Light	10	20	60	NO	Good	VIB ON - 2 sheets
C2734	09/16	19:13	Watch	VIB	2	Light	10	20	60	NO	Good	VIB ON - 2 sheets
C2735	09/16	19:14	Watch	SLING	2	Light	10	20	60	NO	Good	VIB OFF - sling sheet
C2736	09/16	19:20	Watch	STAB	2	Light	10	20	70	NO	Good	Stab sheet
C2737	09/16	19:25	Watch	SLING	2	Light	10	20	70	NO	Good	Sling sheet
C2738	09/16	19:28	Watch	STAB	2	Light	10	20	70	NO	Good	Stab sheet
C2739	09/16	19:30	Watch	Other	2	Light	10	20	70	NO	Good	Welding
C2740	09/16	19:36	Watch	SLING	2	Light	10	20	80	NO	Good	Sling sheet
C2741	09/16	19:40	Watch	STAB	2	Light	10	20	80	NO	Good	Stab sheet
C2742	09/16	19:45	Watch	SLING	2	Light	10	20	80	NO	Good	Sling sheet
C2743	09/16	19:48	Watch	STAB	2	Light	10	20	80	NO	Good	Stab sheet
C2744	09/16	19:52	Watch	SLING	2	Light	10	20	80	NO	Good	Sling hammer

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2745	09/16	19:58	Watch	VIB	2	Light	10	20	80	NO	Good	VIB ON - 2 sheets
C2746	09/16	20:00	Watch	POST	2	Light	10	20	80	NO	Good	VIB OFF
C2747	09/16	20:30	End	No Work	2	Light	10	20	80	NO	Good	
C2748	09/17	8:30	Start	PRE	3	Light	10	0	20	NO	Fair	Chop impedes visibility
C2749	09/17	9:00	Watch	SLING	3	Light	10	0	10	NO	Fair	Sling anchor
C2750	09/17	9:03	Watch	STAB	3	Light	10	0	10	NO	Fair	Stab anchor
C2751	09/17	9:13	Watch	Other	3	Light	10	0	10	NO	Fair	Welding
C2752	09/17	9:22	Watch	SLING	3	Light	10	0	10	NO	Fair	Sling stab cat
C2753	09/17	9:29	Watch	VIB	3	Light	10	0	10	NO	Fair	VIB ON - Anchor
C2754	09/17	9:30	Watch	Other	3	Light	10	0	10	NO	Fair	VIB OFF - Welding
C2755	09/17	9:32	Watch	VIB	3	Light	10	0	20	NO	Fair	VIB ON - Anchor
C2756	09/17	9:33	Watch	SLING	3	Light	10	0	20	NO	Fair	VIB OFF - Welding
C2757	09/17	9:41	Watch	VIB	3	Light	10	0	20	NO	Fair	VIB ON - Anchor
C2758	09/17	9:43	Watch	SLING	3	Light	10	0	30	NO	Fair	VIB OFF - Sling hammer
C2759	09/17	9:52	Watch	VIB	3	Light	10	0	30	NO	Fair	VIB ON - 2 sheets
C2760	09/17	9:53	Watch	SLING	3	Light	10	0	40	NO	Fair	VIB OFF - sling hammer
C2761	09/17	9:57	Watch	VIB	3	Light	10	0	40	NO	Fair	VIB ON - 2 sheets
C2762	09/17	10:00	Watch	Other	3	Light	10	0	50	NO	Fair	Welding
C2763	09/17	10:16	Watch	VIB	3	Light	10	0	50	NO	Fair	VIB ON - 2 sheets
C2764	09/17	10:18	Watch	SLING	3	Light	10	0	50	NO	Fair	VIB OFF - Sling hammer
C2765	09/17	10:24	Watch	VIB	3	Light	10	0	60	NO	Fair	VIB ON - 2 sheets
C2766	09/17	10:26	Watch	SLING	3	Light	10	0	60	NO	Fair	VIB OFF - Sling hammer
C2767	09/17	10:28	Watch	VIB	3	Light	10	0	60	NO	Fair	VIB ON - Anchor
C2768	09/17	10:29	Watch	SLING	3	Light	10	0	60	NO	Fair	VIB OFF - Sling hammer
C2769	09/17	10:31	Watch	VIB	3	Light	10	0	60	NO	Fair	VIB ON - 2 sheets
C2770	09/17	10:32	Watch	SLING	3	Light	10	0	60	NO	Fair	VIB OFF - Sling hammer
C2771	09/17	10:35	Watch	VIB	3	Light	10	0	60	NO	Fair	VIB ON - Anchor
C2772	09/17	10:36	Watch	SLING	3	Light	10	0	60	NO	Fair	VIB OFF - Sling hammer
C2773	09/17	10:38	Watch	VIB	3	Light	10	0	60	NO	Fair	VIB ON - 2 sheets
C2774	09/17	10:39	Watch	SLING	3	Light	10	0	60	NO	Fair	VIB OFF - Sling hammer
C2776	09/17	10:40	Watch	SLING	3	Light	10	0	60	NO	Fair	VIB OFF - Sling hammer
C2775	09/17	10:40	Watch	VIB	3	Light	10	0	60	NO	Fair	VIB ON - 2 sheets
C2778	09/17	10:42	Watch	SLING	3	Light	10	0	60	NO	Fair	VIB OFF - Sling hammer

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2777	09/17	10:42	Watch	VIB	3	Light	10	0	60	NO	Fair	VIB ON - 2 sheets
C2779	09/17	10:42	Watch	VIB	3	Light	10	0	60	NO	Fair	VIB ON - 2 sheets
C2780	09/17	10:43	Watch	SLING	3	Light	10	0	60	NO	Fair	VIB OFF - Sling hammer
C2781	09/17	10:44	Watch	VIB	3	Light	10	0	60	NO	Fair	VIB ON - 2 sheets
C2782	09/17	10:46	Watch	SLING	3	Light	10	0	60	NO	Fair	VIB OFF - Sling hammer
C2783	09/17	10:50	Watch	VIBR	3	Light	10	0	60	NO	Fair	VIBR ON - 14" temporary pile
C2784	09/17	10:57	Watch	SLING	3	Light	10	0	60	NO	Fair	VIBR OFF - Sling pile
C2785	09/17	11:06	Watch	VIB	3	Light	10	0	60	NO	Fair	VIB ON - 14" temporary pile
C2786	09/17	11:08	Watch	SLING	3	Light	10	0	80	NO	Fair	VIB OFF - Sling hammer
C2787	09/17	11:09	Watch	No Work	3	Light	10	0	80	NO	Fair	Break
C2788	09/17	11:30	Watch	Other	3	Light	10	0	80	NO	Fair	Welding - chop impedes visibility
C2789	09/17	12:00	Watch	No Work	3	Light	10	0	80	NO	Fair	Break
C2790	09/17	12:30	Watch	Other	3	Moderate	10	0	90	NO	Good	Welding
C2791	09/17	12:45	Watch	No Work	3	Moderate	10	0	90	NO	Good	Lunch break
C2792	09/17	13:13	Watch	Other	3	Moderate	10	0	90	NO	Good	Welding
C2793	09/17	13:30	Watch	Other	3	Moderate	10	0	90	NO	Good	Welding
C2794	09/17	14:00	Watch	Other	3	Light	10	0	90	NO	Good	Welding
C2795	09/17	14:14	Watch	SLING	3	Light	10	0	90	NO	Good	Sling template
C2796	09/17	14:20	Watch	Other	3	Light	10	0	90	NO	Good	Welding
C2797	09/17	14:38	Watch	SLING	3	Light	10	0	90	NO	Good	Sling template
C2798	09/17	15:08	Watch	SLING	3	Light	10	0	90	LTRN	Good	Sling template
C2799	09/17	15:20	Watch	Other	3	Light	10	0	100	LTRN	Good	Welding
C2800	09/17	16:00	Watch	Other	3	Light	10	0	100	LTRN	Good	Welding
C2801	09/17	16:13	Watch	SLING	3	Light	8	0	100	LTRN	Good	Sling hammer
C2802	09/17	16:15	Watch	VIBR	3	Light	8	0	100	LTRN	Good	VIBR ON - 14" temporary pile
C2803	09/17	16:16	Watch	SLING	3	Light	8	0	100	LTRN	Good	Sling pile
C2804	09/17	16:18	Watch	VIB	3	Light	8	0	100	LTRN	Good	VIB ON - 14" temporary pile
C2805	09/17	16:19	Watch	SLING	3	Light	8	0	100	LTRN	Good	Sling pile
C2806	09/17	16:24	Watch	Other	3	Light	8	0	100	LTRN	Good	Cutting template in cell 2
C2807	09/17	16:32	Watch	SLING	3	Light	4	0	100	LTRN	Good	Sling template / welding
C2808	09/17	17:00	Watch	Other	3	Light	4	0	100	LTRN	Good	Welding
C2809	09/17	17:28	Watch	SLING	3	Light	4	0	100	LTRN	Good	Sling sheet
C2810	09/17	17:32	Watch	STAB	3	Light	4	0	100	LTRN	Good	Stab sheet

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2811	09/17	17:38	Watch	SLING	3	Light	3	0	100	LTRN	Good	Sling sheet
C2812	09/17	17:41	Watch	STAB	3	Light	3	0	100	LTRN	Good	Stab sheet
C2813	09/17	17:46	Watch	SLING	3	Light	3	0	100	LTRN	Good	Sling sheet
C2814	09/17	17:49	Watch	STAB	3	Light	3	0	100	LTRN	Good	Stab sheet
C2815	09/17	17:54	Watch	SLING	3	Light	3	0	100	LTRN	Good	Sling sheet
C2816	09/17	17:55	Watch	SLING	3	Light	3	0	100	LTRN	Good	Stab sheet
C2817	09/17	18:00	Watch	SLING	3	Light	3	0	100	LTRN	Good	Sling sheet
C2818	09/17	18:03	Watch	STAB	3	Light	2	0	100	LTRN	Good	Stab sheet
C2819	09/17	18:08	Watch	SLING	3	Light	2	0	100	LTRN	Good	Sling hammer
C2820	09/17	18:15	Watch	VIB	3	Light	2	0	100	LTRN	Good	VIB ON - 2 sheets
C2821	09/17	18:17	Watch	Other	3	Light	2	0	100	LTRN	Good	VIB OFF - Welding
C2822	09/17	18:25	Watch	VIB	3	Light	2	0	100	LTRN	Good	VIB ON - 2 sheets
C2823	09/17	18:27	Watch	SLING	3	Light	2	0	100	LTRN	Good	VIB OFF - Sling hammer / sheet
C2824	09/17	18:31	Watch	STAB	3	Light	2	0	100	LTRN	Good	Stab sheet
C2825	09/17	18:38	Watch	SLING	3	Light	2	0	100	LTRN	Good	Sling sheet
C2826	09/17	18:40	Watch	STAB	3	Light	2	0	100	LTRN	Good	Stab sheet
C2827	09/17	18:45	Watch	SLING	3	Light	2	0	100	LTRN	Good	Sling sheet
C2828	09/17	18:48	Watch	STAB	3	Moderate	2	0	100	LTRN	Fair	Stab sheet
C2829	09/17	18:52	Watch	SLING	3	Moderate	2	0	100	LTRN	Fair	Sling sheet
C2830	09/17	18:56	Watch	STAB	3	Moderate	2	0	100	LTRN	Fair	Stab sheet
C2831	09/17	19:00	Watch	SLING	3	Moderate	2	0	100	LTRN	Fair	Sling hammer
C2832	09/17	19:07	Watch	VIB	3	Moderate	2	0	100	LTRN	Fair	VIB ON - 2 sheets
C2833	09/17	19:10	Watch	Other	3	Moderate	2	0	100	LTRN	Fair	VIB OFF - Welding
C2834	09/17	19:16	Watch	SLING	3	Moderate	2	0	100	LTRN	Fair	Sling hammer
C2835	09/17	19:18	Watch	VIB	3	Moderate	2	0	100	LTRN	Fair	VIB ON - 2 sheets
C2836	09/17	19:20	Watch	SLING	3	Moderate	2	0	100	LTRN	Fair	VIB OFF - Sling hammer
C2837	09/17	19:28	Watch	SLING	3	Moderate	2	0	100	LTRN	Fair	VIB ON - 2 sheets
C2838	09/17	19:28	Watch	VIB	3	Moderate	2	0	100	LTRN	Fair	VIB OFF - Sling hammer
C2840	09/17	19:30	Watch	SLING	3	Moderate	2	0	100	LTRN	Fair	VIBR OFF - Sling pile
C2839	09/17	19:30	Watch	VIBR	3	Moderate	2	0	100	LTRN	Fair	VIBR ON - 14" temporary pile
C2841	09/17	19:33	Watch	VIB	3	Moderate	2	0	100	LTRN	Fair	VIB ON - 14" temporary pile
C2842	09/17	19:35	Watch	SLING	3	Moderate	2	0	100	LTRN	Fair	VIB OFF - Sling hammer
C2844	09/17	19:40	Watch	SLING	3	Moderate	2	0	100	LTRN	Fair	VIB OFF - Sling hammer

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2843	09/17	19:40	Watch	VIB	3	Moderate	2	0	100	LTRN	Fair	VIB ON - 14" temporary pile
C2846	09/17	19:45	Watch	SLING	3	Moderate	2	0	100	LTRN	Fair	VIB OFF - Sling hammer
C2845	09/17	19:45	Watch	VIB	3	Moderate	2	0	100	LTRN	Fair	VIB ON - Anchor
C2847	09/17	19:46	Watch	VIB	3	Moderate	2	0	100	LTRN	Fair	VIB ON - 2 sheets
C2848	09/17	19:47	Watch	SLING	3	Moderate	2	0	100	LTRN	Fair	VIB OFF - Sling hammer
C2849	09/17	19:47	Watch	VIB	3	Moderate	2	0	100	LTRN	Fair	VIB ON - 2 sheets
C2850	09/17	19:48	Watch	SLING	3	Moderate	2	0	100	LTRN	Fair	VIB OFF - Sling hammer
C2852	09/17	19:49	Watch	SLING	3	Moderate	2	0	100	LTRN	Fair	VIB OFF - 2 sheets
C2851	09/17	19:49	Watch	VIB	3	Moderate	2	0	100	LTRN	Fair	VIB ON - 2 sheets
C2854	09/17	19:50	Watch	SLING	3	Moderate	2	0	100	LTRN	Fair	VIB OFF - 2 sheets
C2853	09/17	19:50	Watch	VIB	3	Moderate	2	0	100	LTRN	Fair	VIB ON - 2 sheets
C2857	09/17	19:52	Watch	POST	3	Moderate	2	0	100	LTRN	Fair	
C2856	09/17	19:52	Watch	SLING	3	Moderate	2	0	100	LTRN	Fair	VIB OFF - Sling hammer
C2855	09/17	19:52	Watch	VIB	3	Moderate	2	0	100	LTRN	Fair	VIB ON - 2 sheets
C2858	09/17	20:22	End	No Work	3	Moderate	2	0	100	LTRN	Fair	
C2859	09/18	8:30	Start	PRE	1	None	10	0	100	NO	Excel	
C2860	09/18	9:00	Watch	Other	1	None	10	0	100	NO	Excel	Welding
C2861	09/18	9:30	Watch	SLING	1	None	10	0	100	NO	Excel	Sling sheet
C2862	09/18	9:32	Watch	STAB	1	None	10	0	100	NO	Excel	Stab sheet
C2863	09/18	9:36	Watch	SLING	1	None	10	0	100	NO	Excel	Sling sheet
C2864	09/18	9:38	Watch	STAB	1	None	10	0	100	NO	Excel	Stab sheet
C2865	09/18	9:45	Watch	SLING	1	None	10	0	100	NO	Excel	Sling sheet
C2866	09/18	9:47	Watch	STAB	1	None	10	0	100	NO	Excel	Stab sheet
C2867	09/18	9:53	Watch	SLING	1	None	10	0	100	NO	Excel	Sling sheet
C2868	09/18	9:55	Watch	Other	1	None	10	0	100	NO	Excel	Welding
C2869	09/18	9:59	Watch	STAB	1	None	10	0	100	NO	Excel	Stab sheet
C2870	09/18	10:00	Watch	SLING	1	None	10	0	100	NO	Excel	Sling hammer
C2871	09/18	10:05	Watch	VIB	1	None	10	0	100	NO	Excel	VIB ON - 2 sheets
C2872	09/18	10:08	Watch	Other	1	None	10	0	100	NO	Excel	VIB OFF - Welding
C2873	09/18	10:13	Watch	SLING	1	None	10	0	100	NO	Excel	Sling hammer
C2875	09/18	10:18	Watch	SLING	1	None	10	0	100	NO	Excel	VIB OFF - Sling hammer
C2874	09/18	10:18	Watch	VIB	1	None	10	0	100	NO	Excel	VIB ON - 2 sheets
C2876	09/18	10:26	Watch	VIB	1	None	10	0	100	NO	Excel	VIB ON - 2 sheets

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2877	09/18	10:27	Watch	SLING	1	None	10	0	100	NO	Excel	VIB OFF - Sling hammer
C2878	09/18	10:28	Watch	VIB	1	None	10	0	100	NO	Excel	VIB ON - 2 sheets
C2879	09/18	10:29	Watch	SLING	1	None	10	0	100	NO	Excel	VIB OFF - Sling hammer
C2881	09/18	10:33	Watch	SLING	1	None	10	0	100	NO	Excel	VIB OFF - Sling hammer
C2880	09/18	10:33	Watch	VIB	1	None	10	0	100	NO	Excel	VIB ON - 2 sheets
C2882	09/18	10:38	Watch	SLING	1	None	10	0	100	NO	Excel	Sling sheet
C2883	09/18	10:39	Watch	STAB	1	None	10	0	100	NO	Excel	Stab sheet
C2884	09/18	10:44	Watch	SLING	1	None	10	0	100	NO	Excel	Sling sheet
C2885	09/18	10:47	Watch	STAB	1	None	10	0	100	NO	Excel	Stab sheet
C2886	09/18	10:50	Watch	SLING	1	None	10	0	100	NO	Excel	Sling sheet
C2887	09/18	10:52	Watch	STAB	1	None	10	0	100	NO	Excel	Stab sheet
C2888	09/18	10:57	Watch	SLING	1	None	10	0	100	NO	Excel	Sling sheet
C2889	09/18	10:59	Watch	STAB	1	None	10	0	100	NO	Excel	Stab sheet
C2890	09/18	11:04	Watch	SLING	1	None	10	0	100	NO	Excel	Sling hammer
C2891	09/18	11:07	Watch	VIB	1	None	10	0	100	NO	Excel	VIB ON - 2 sheets
C2892	09/18	11:09	Watch	SLING	1	None	10	0	100	NO	Excel	VIB OFF - Sling hammer
C2893	09/18	11:17	Watch	VIB	1	None	10	0	100	NO	Excel	VIB ON - 2 sheets
C2894	09/18	11:18	Watch	SLING	1	None	10	0	100	NO	Excel	VIB OFF - Sling hammer
C2895	09/18	11:24	Watch	VIB	1	None	10	0	100	NO	Excel	VIB ON - 2 sheets
C2896	09/18	11:25	Watch	SLING	1	None	10	0	100	NO	Excel	VIB OFF - Sling sheet
C2897	09/18	11:32	Watch	STAB	1	None	10	0	100	NO	Excel	Stab sheet
C2898	09/18	11:36	Watch	SLING	1	None	10	0	100	NO	Excel	Sling sheet
C2899	09/18	11:39	Watch	STAB	1	None	10	0	100	NO	Excel	Stab sheet
C2900	09/18	11:42	Watch	Other	1	None	10	0	100	NO	Excel	Welding
C2901	09/18	11:45	Watch	SLING	1	None	10	0	100	NO	Excel	Sling sheet
C2902	09/18	11:49	Watch	STAB	1	None	10	0	100	NO	Excel	Stab sheet
C2903	09/18	11:54	Watch	SLING	1	None	10	0	100	NO	Excel	Sling sheet
C2904	09/18	11:56	Watch	STAB	1	None	10	0	100	NO	Excel	Stab sheet
C2905	09/18	12:02	Watch	Other	1	None	10	0	100	NO	Excel	Welding / break
C2906	09/18	12:50	Break	No Work	1	None	10	0	100	NO	Excel	Lunch break
C2907	09/18	13:20	Start	SLING	1	None	10	0	100	NO	Excel	Moved Conex / Sling hammer
C2908	09/18	13:26	Watch	VIB	1	None	10	0	100	NO	Excel	VIB - 2 sheets
C2909	09/18	13:29	Watch	Other	1	None	10	0	100	NO	Excel	VIB OFF - Welding

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2910	09/18	13:40	Watch	VIB	1	None	10	0	100	NO	Excel	VIB ON - 2 sheets
C2911	09/18	13:41	Watch	Other	1	None	10	0	100	NO	Excel	Welding
C2912	09/18	13:48	Watch	VIB	1	None	10	0	100	NO	Excel	VIB ON - 2 sheets
C2913	09/18	13:49	Watch	SLING	1	None	10	0	100	NO	Excel	Sling hammer
C2914	09/18	14:12	Watch	SLING	1	None	10	0	100	LTRN	Good	Fog and rain from south
C2915	09/18	14:42	Watch	SLING	1	None	10	0	100	NO	Excel	Moving boom
C2916	09/18	15:12	Watch	SLING	1	None	10	0	100	NO	Excel	Slinging template
C2917	09/18	15:18	Watch	Other	1	None	10	0	100	NO	Excel	Welding template
C2918	09/18	15:42	Watch	Other	1	None	10	0	100	LTRN	Good	Raining - Welding template
C2919	09/18	16:12	Watch	Other	1	None	10	0	100	LTRN	Excel	Welding
C2920	09/18	16:30	Watch	Other	1	None	10	0	100	NO	Excel	Welding
C2921	09/18	17:00	Watch	Other	1	None	10	0	100	NO	Excel	Welding
C2922	09/18	17:14	Watch	SLING	1	None	10	0	100	NO	Excel	Sling hammer
C2923	09/18	17:15	Watch	VIBR	1	None	10	0	100	NO	Excel	VIBR ON - 14" temporary pile
C2924	09/18	17:20	Watch	SLING	1	None	10	0	100	NO	Excel	VIBR OFF - Sling pile
C2925	09/18	17:28	Watch	VIB	1	None	10	0	100	NO	Excel	VIB ON - 14" temporary pile
C2926	09/18	17:30	Watch	SLING	1	None	10	0	100	NO	Excel	VIB OFF - Sling hammer / sheet
C2927	09/18	17:44	Watch	STAB	1	None	10	0	100	NO	Excel	Stab sheet
C2928	09/18	17:49	Watch	SLING	1	None	10	0	100	NO	Excel	Sling sheet
C2929	09/18	17:53	Watch	STAB	1	None	10	0	100	NO	Excel	Stab sheet
C2930	09/18	17:54	Watch	SLING	1	None	10	0	100	NO	Excel	Sling sheet
C2931	09/18	18:00	Watch	STAB	1	None	10	0	100	NO	Excel	Stab sheet
C2932	09/18	18:03	Watch	SLING	1	None	10	0	100	NO	Excel	Sling sheet
C2933	09/18	18:06	Watch	STAB	1	None	10	0	100	NO	Excel	Stab sheet
C2934	09/18	18:11	Watch	SLING	1	None	10	0	100	NO	Excel	Sling hammer
C2935	09/18	18:16	Watch	VIB	1	None	10	0	100	NO	Excel	VIB ON - 2 sheets
C2936	09/18	18:17	Watch	Other	1	None	10	0	100	NO	Excel	VIB OFF - Welding
C2937	09/18	18:18	Watch	VIB	1	None	10	0	90	NO	Excel	VIB ON - 2 sheets
C2938	09/18	18:22	Watch	SLING	1	None	10	0	90	NO	Excel	VIB OFF - Sling hammer
C2939	09/18	18:30	Watch	VIB	1	None	10	0	80	NO	Excel	VIB ON - Sheets
C2940	09/18	18:31	Watch	SLING	1	None	10	0	80	NO	Excel	VIB OFF - Sling hammer
C2942	09/18	18:36	Watch	SLING	1	None	10	0	80	NO	Excel	VIB OFF - Sling hammer
C2941	09/18	18:36	Watch	VIB	1	None	10	0	80	NO	Excel	VIB ON - Sheets

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2943	09/18	18:40	Watch	POST	1	None	10	0	70	NO	Excel	
C2944	09/18	19:10	End	No Work	1	None	10	0	70	NO	Excel	
C2945	09/19	8:30	Start	PRE	0	None	10	0	100	NO	Excel	
C2946	09/19	9:00	Watch	SLING	0	None	10	0	100	NO	Excel	Sling sheet
C2947	09/19	9:02	Watch	STAB	0	None	10	0	100	NO	Excel	Stab sheet
C2948	09/19	9:03	Watch	No Work	0	None	10	0	100	NO	Excel	
C2949	09/19	9:10	Watch	STAB	0	None	10	0	100	NO	Excel	Stab sheet
C2950	09/19	9:15	Watch	SLING	0	None	10	0	100	NO	Excel	Sling sheet
C2951	09/19	9:19	Watch	STAB	0	None	10	0	100	NO	Excel	Stab sheet
C2952	09/19	9:28	Watch	SLING	0	None	10	0	90	NO	Excel	Sling sheet
C2953	09/19	9:33	Watch	STAB	0	None	10	0	90	NO	Excel	Stab sheet
C2954	09/19	9:38	Watch	SLING	0	None	10	0	90	NO	Excel	Sling sheet
C2955	09/19	9:43	Watch	STAB	0	None	10	0	90	NO	Excel	Stab sheet
C2956	09/19	9:53	Watch	SLING	0	None	10	0	90	NO	Excel	Sling sheet
C2957	09/19	10:00	Watch	VIB	0	None	10	0	90	NO	Excel	VIB ON - 2 sheets
C2958	09/19	10:04	Watch	SLING	0	None	10	0	90	NO	Excel	VIB OFF - Sling hammer
C2959	09/19	10:14	Watch	VIB	0	None	10	0	90	NO	Excel	VIB ON - 2 sheets
C2960	09/19	10:16	Watch	SLING	0	None	10	0	90	NO	Excel	VIB OFF - Sling hammer
C2961	09/19	10:22	Watch	VIB	0	None	10	0	90	NO	Excel	VIB ON - 2 sheets
C2962	09/19	10:23	Watch	SLING	0	None	10	0	90	NO	Excel	VIB OFF - Sling hammer
C2963	09/19	10:29	Watch	VIBR	0	None	10	0	90	NO	Excel	VIBR ON - On shore Z pile
C2964	09/19	10:30	Watch	Other	1	None	10	0	90	NO	Excel	VIBR OFF - Working on Z pile
C2966	09/19	10:41	Watch	SLING	1	None	10	0	90	NO	Excel	VIBR OFF - Sling Z pile on shore
C2965	09/19	10:41	Watch	VIBR	1	None	10	0	90	NO	Excel	VIBR ON - On shore Z pile
C2967	09/19	10:52	Watch	VIBR	1	None	10	0	90	NO	Excel	VIBR ON - On shore Z pile
C2968	09/19	10:53	Watch	SLING	1	None	10	0	90	NO	Excel	VIBR OFF - Sling Z pile on shore
C2969	09/19	10:59	Watch	VIBR	1	None	10	0	90	NO	Excel	VIBR ON - On shore Z pile
C2970	09/19	11:05	Watch	SLING	1	None	10	0	90	NO	Excel	VIBR OFF - Sling Z pile on shore
C2971	09/19	11:16	Watch	VIBR	1	None	10	0	90	NO	Excel	VIBR ON - On shore Z pile
C2972	09/19	11:17	Watch	SLING	1	None	10	0	90	NO	Excel	VIBR OFF - Sling Z pile on shore
C2974	09/19	11:22	Watch	Other	1	None	10	0	90	NO	Excel	VIBR OFF - welding
C2973	09/19	11:22	Watch	VIBR	1	None	10	0	90	NO	Good	VIBR ON - On shore Z pile
C2976	09/19	11:25	Watch	SLING	1	None	10	0	90	NO	Excel	VIBR OFF - Sling Z pile on shore

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C2975	09/19	11:25	Watch	VIBR	1	None	10	0	90	NO	Excel	VIBR ON - On shore Z pile
C2978	09/19	11:29	Watch	SLING	1	None	10	0	90	NO	Excel	VIBR OFF - Sling Z pile on shore
C2977	09/19	11:29	Watch	VIBR	1	None	10	0	90	NO	Excel	VIBR ON - On shore Z pile
C2980	09/19	11:34	Watch	SLING	1	None	10	0	90	NO	Excel	VIBR OFF - Sling Z pile on shore
C2979	09/19	11:34	Watch	VIBR	1	None	10	0	90	NO	Excel	VIBR ON - On shore Z pile
C2982	09/19	11:37	Watch	SLING	1	None	10	0	90	NO	Excel	VIBR OFF - Sling Z pile on shore
C2981	09/19	11:37	Watch	VIBR	1	None	10	0	90	NO	Excel	VIBR ON - On shore Z pile
C2984	09/19	11:41	Watch	SLING	1	None	10	0	95	NO	Excel	VIBR OFF - Sling Z pile on shore
C2983	09/19	11:41	Watch	VIBR	1	None	10	0	95	NO	Excel	VIBR ON - On shore Z pile
C2985	09/19	11:45	Watch	VIBR	1	None	10	0	95	NO	Excel	VIBR ON - Z pile
C2986	09/19	11:49	Watch	Other	1	None	10	0	95	NO	Excel	VIBR OFF - Cutting pile
C2987	09/19	11:52	Watch	VIBR	1	None	10	0	95	NO	Excel	VIBR ON - Z pile
C2988	09/19	11:54	Watch	SLING	1	None	10	0	95	NO	Excel	VIBR OFF - Sling Z pile
C2989	09/19	12:06	Watch	VIBR	1	None	10	0	95	NO	Excel	VIBR ON - Z pile
C2990	09/19	12:07	Watch	SLING	1	None	10	0	95	NO	Excel	VIBR OFF - Sling Z pile
C2991	09/19	12:09	Watch	No Work	1	None	10	0	95	NO	Excel	Break
C2992	09/19	12:18	Watch	VIBR	1	None	10	0	95	NO	Excel	VIBR ON - Z pile
C2993	09/19	12:19	Watch	SLING	1	None	10	0	95	NO	Excel	VIBR OFF - Sling Z pile
C2994	09/19	12:30	Watch	No Work	1	None	10	0	95	NO	Excel	
C2995	09/19	12:44	Watch	SLING	1	None	10	0	95	NO	Excel	Sling hammer / sheet
C2996	09/19	12:50	Watch	STAB	1	None	10	0	95	NO	Excel	Stab sheet
C2997	09/19	13:35	Watch	SLING	0	None	10	0	95	NO	Excel	Sling sheet
C2998	09/19	13:39	Watch	STAB	0	None	10	0	95	NO	Excel	Stab sheet
C2999	09/19	13:41	Watch	SLING	0	None	10	0	95	NO	Excel	Sling sheet
C3000	09/19	13:45	Watch	STAB	0	None	10	0	95	NO	Excel	Stab sheet
C3001	09/19	13:49	Watch	SLING	0	None	10	0	95	NO	Excel	Sling sheet
C3002	09/19	13:52	Watch	STAB	0	None	10	0	95	NO	Excel	Stab sheet
C3003	09/19	13:57	Watch	SLING	0	None	10	0	95	NO	Excel	Sling hammer / sheet
C3004	09/19	14:02	Watch	VIB	0	None	10	0	95	NO	Excel	VIB - 2 sheets
C3005	09/19	14:06	Watch	Other	0	None	10	0	95	NO	Excel	VIB OFF - welding
C3006	09/19	14:15	Watch	VIB	0	None	10	0	95	NO	Excel	VIB ON - 2 sheets
C3007	09/19	14:17	Watch	Other	0	None	10	0	95	NO	Excel	VIB OFF - welding
C3008	09/19	14:28	Watch	VIB	1	None	10	0	95	NO	Excel	VIB ON - 2 sheets

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C3009	09/19	14:29	Watch	SLING	1	None	10	0	95	NO	Excel	VIB OFF - Sling hammer and template
C3010	09/19	15:00	Watch	Other	2	Light	10	0	100	NO	Good	Welding template
C3011	09/19	15:30	Watch	SLING	2	Light	10	0	100	NO	Good	Welding template
C3012	09/19	15:45	Watch	SLING	2	Light	10	0	100	NO	Good	Sling sheet
C3013	09/19	15:50	Watch	STAB	2	Light	10	0	100	NO	Good	Stab sheet
C3014	09/19	15:55	Watch	SLING	1	Light	10	0	100	NO	Good	Sling sheet
C3015	09/19	15:59	Watch	STAB	1	Light	10	0	100	NO	Excel	Stab sheet
C3016	09/19	16:02	Watch	SLING	1	Light	10	0	100	NO	Excel	Sling sheet
C3017	09/19	16:05	Watch	STAB	1	Light	10	0	100	NO	Excel	Stab sheet
C3018	09/19	16:10	Watch	SLING	1	Light	10	0	100	NO	Excel	Sling sheet
C3019	09/19	16:13	Watch	STAB	1	Light	10	0	100	NO	Excel	Stab sheet
C3020	09/19	16:15	Watch	SLING	1	Light	10	0	100	NO	Excel	Sling hammer
C3021	09/19	16:22	Watch	VIB	1	Light	10	0	100	LTRN	Excel	VIB ON - 2 sheets
C3022	09/19	16:38	Watch	VIB	1	Light	10	0	100	LTRN	Excel	VIB ON - 2 sheets
C3023	09/19	16:39	Watch	Other	1	Light	10	0	100	LTRN	Excel	VIB OFF - Welding
C3025	09/19	16:47	Watch	SLING	1	Light	10	0	100	LTRN	Excel	VIB OFF - Sling hammer
C3024	09/19	16:47	Watch	VIB	1	Light	10	0	100	LTRN	Excel	VIB ON - 2 sheets
C3026	09/19	16:58	Watch	VIB	1	Light	10	0	100	LTRN	Excel	VIB ON - 2 sheets
C3027	09/19	17:00	Watch	SLING	1	Light	10	0	100	LTRN	Excel	VIB OFF - Sling hammer
C3028	09/19	17:10	Watch	SLING	1	Light	10	0	100	LTRN	Excel	Sling sheet
C3029	09/19	17:12	Watch	STAB	1	Light	10	0	100	NO	Excel	Stab sheet
C3030	09/19	17:14	Watch	SLING	1	Light	10	0	100	NO	Excel	Sling sheet
C3031	09/19	17:21	Watch	STAB	1	Light	10	0	100	NO	Excel	Stab sheet
C3032	09/19	17:27	Watch	SLING	1	Light	10	0	100	NO	Excel	Sling sheet
C3033	09/19	17:29	Watch	STAB	1	Light	10	0	100	NO	Excel	Stab sheet
C3034	09/19	17:34	Watch	SLING	1	Light	10	0	100	NO	Excel	Sling sheet
C3035	09/19	17:36	Watch	STAB	1	Light	10	0	100	NO	Excel	Stab sheet
C3036	09/19	17:40	Watch	SLING	1	Light	10	0	90	NO	Excel	Sling hammer
C3037	09/19	17:45	Watch	VIB	1	Light	10	0	90	NO	Excel	VIB ON - 2 sheets
C3038	09/19	17:48	Watch	Other	1	Light	10	0	90	NO	Excel	VIB OFF - Welding
C3039	09/19	17:52	Watch	SLING	1	Light	10	0	95	NO	Excel	Sling hammer
C3040	09/19	17:54	Watch	VIB	1	Light	10	0	95	NO	Excel	VIB ON - 2 sheets
C3041	09/19	17:57	Watch	SLING	1	Light	10	0	95	NO	Excel	VIB OFF - Sling hammer

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C3043	09/19	18:04	Watch	SLING	1	Light	10	0	95	NO	Good	VIB OFF - Sling hammer/sheet
C3042	09/19	18:04	Watch	VIB	1	Light	10	0	95	NO	Good	VIB ON - 2 sheets
C3044	09/19	18:12	Watch	STAB	2	Light	10	0	95	NO	Good	Stab sheet
C3045	09/19	18:15	Watch	SLING	2	Light	10	0	95	NO	Good	Sling sheet
C3046	09/19	18:18	Watch	STAB	2	Light	10	0	95	NO	Good	Stab sheet
C3047	09/19	18:22	Watch	SLING	2	Light	10	0	95	NO	Good	Sling sheet
C3048	09/19	18:26	Watch	STAB	2	Light	10	0	95	NO	Good	Stab sheet
C3049	09/19	18:30	Watch	SLING	2	Light	10	0	95	NO	Good	Sling sheet
C3050	09/19	18:35	Watch	STAB	2	Light	10	0	95	NO	Good	Stab sheet
C3051	09/19	18:38	Watch	SLING	2	Light	10	0	95	NO	Good	Sling hammer
C3052	09/19	18:45	Watch	VIB	2	Light	10	0	95	NO	Good	VIB ON - 2 sheets
C3053	09/19	18:46	Watch	Other	2	Light	10	0	95	NO	Good	VIB OFF - Welding
C3054	09/19	18:56	Watch	VIB	2	Light	10	0	95	NO	Good	VIB ON - 2 sheets
C3055	09/19	18:58	Watch	SLING	2	Light	10	0	95	NO	Good	VIB OFF - Sling hammer
C3057	09/19	19:05	Watch	SLING	2	Light	10	0	100	NO	Good	VIB OFF - Sling hammer
C3056	09/19	19:05	Watch	VIB	2	Light	10	0	95	NO	Good	VIB ON - 2 sheets
C3059	09/19	19:14	Watch	SLING	2	Light	10	0	100	NO	Good	VIB OFF - Sling hammer
C3058	09/19	19:14	Watch	VIB	2	Light	10	0	100	NO	Good	VIB ON - 2 sheets
C3061	09/19	19:29	Watch	SLING	2	Light	10	0	100	LTRN	Good	VIB OFF - Sling hammer
C3060	09/19	19:29	Watch	VIB	2	Light	10	0	100	LTRN	Good	VIB ON - 14" temporary pile
C3062	09/19	19:34	Watch	VIBR	2	Light	10	0	100	LTRN	Good	VIBR ON - 14" temporary pile
C3064	09/19	19:36	Watch	SLING	2	Light	10	0	100	LTRN	Good	VIB OFF - Sling hammer
C3063	09/19	19:36	Watch	VIB	2	Light	10	0	100	LTRN	Good	VIB ON - 14" temporary pile
C3066	09/19	19:38	Watch	POST	2	Light	10	0	100	LTRN	Good	VIB OFF
C3065	09/19	19:38	Watch	VIB	2	Light	10	0	100	LTRN	Good	VIB ON - 2 sheets
C3067	09/19	20:08	End	No Work	2	Light	10	0	100	LTRN	Good	
C3068	09	8:30	Start	PRE	0	None	10	0	95	NO	Excel	
C3069	09	9:00	Watch	SLING	0	None	10	0	85	NO	Excel	Sling sheet
C3070	09	9:04	Watch	STAB	0	None	10	0	85	NO	Excel	Stab sheet
C3071	09	9:08	Watch	SLING	0	None	10	0	85	NO	Excel	Sling sheet
C3072	09	9:12	Watch	STAB	0	None	8	0	80	NO	Good	Stab sheet
C3073	09	9:16	Watch	No Work	0	None	8	0	80	HFOG	Poor	Break - Fog from NE
C3074	09	9:32	Watch	SLING	0	None	1	0	70	HFOG	Poor	Sling hammer - Fog limits visibility to east

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C3075	09	9:40	Watch	VIB	0	None	3	0	70	HFOG	Fair	VIB ON - 2 sheets - Fog bank passing
C3076	09	9:44	Watch	Other	0	None	3	0	70	HFOG	Fair	VIB OFF - Pause
C3078	09	9:51	Watch	Other	1	None	6	0	70	NO	Good	VIB OFF - Pause
C3077	09	9:51	Watch	VIB	1	None	6	0	70	NO	Good	VIB ON - 2 sheets
C3079	09	9:53	Watch	VIB	1	None	6	0	70	NO	Good	VIB ON - 2 sheets
C3080	09	9:58	Watch	Other	1	None	4	0	70	LFOG	Good	VIB OFF - Welding
C3081	09	10:07	Watch	VIB	1	None	4	0	70	LFOG	Good	VIB ON - 2 sheets
C3082	09	10:09	Watch	SLING	1	None	3	0	70	LFOG	Good	VIB OFF - Sling hammer
C3084	09	10:14	Watch	SLING	1	None	3	0	70	HFOG	Fair	VIB OFF - Sling hammer
C3083	09	10:14	Watch	VIB	1	None	3	0	70	HFOG	Fair	VIB ON - 2 sheets
C3086	09	10:19	Watch	Other	1	None	5	0	80	LFOG	Good	VIB OFF - Welding pipe
C3085	09	10:19	Watch	VIB	1	None	5	0	80	LFOG	Fair	VIB ON - 2 sheets
C3087	09	10:27	Watch	VIB	1	None	6	0	90	LFOG	Good	VIB ON - 2 sheets
C3088	09	10:30	Watch	SLING	1	None	6	0	90	LFOG	Good	VIB OFF - Sling hammer
C3089	09	10:48	Watch	SLING	0	None	6	0	90	LFOG	Good	Sling materials
C3090	09	11:18	Watch	Other	0	None	4	0	90	LFOG	Good	Working on template
C3091	09	11:34	Watch	SLING	0	None	4	0	95	LFOG	Good	Sling template
C3093	09	11:43	Watch	SLING	0	None	6	0	95	LFOG	Good	VIB OFF - Sling hammer
C3092	09	11:43	Watch	VIB	0	None	6	0	95	LFOG	Good	VIB ON - 2 sheets
C3094	09	12:05	Watch	No Work	0	None	8	0	95	LFOG	Good	Break
C3095	09	12:30	Watch	Other	1	None	8	0	95	LFOG	Good	Welding template
C3096	09	13:02	Watch	SLING	1	None	10	0	95	NO	Good	Sling hammer
C3097	09	13:06	Watch	VIBR	1	None	10	0	95	NO	Good	VIBR ON - 14" temporary pile
C3098	09	13:07	Watch	SLING	1	None	10	0	95	NO	Good	Sling 14" temporary pile
C3099	09	13:08	Watch	VIB	1	None	10	0	95	NO	Good	VIB ON - 14" temporary pile NOT IN WATER
C3100	09	13:11	Watch	Other	1	None	10	0	100	NO	Good	VIB OFF - Welding
C3101	09	13:36	Watch	VIB	1	Light	10	0	100	NO	Good	VIB ON - 2 sheets
C3102	09	13:37	Watch	Other	1	Light	10	0	100	NO	Good	VIB OFF - Welding
C3103	09	13:40	Watch	VIB	1	Light	10	0	100	NO	Good	VIB ON - 2 sheets
C3104	09	13:41	Watch	Other	1	Light	10	0	100	NO	Good	VIB OFF - Welding
C3105	09	13:55	Watch	SLING	1	Light	10	0	100	NO	Good	Sling hammer / sheet
C3106	09	14:00	Watch	STAB	1	Light	10	0	100	NO	Good	Stab sheet
C3107	09	14:18	Watch	SLING	1	Light	10	0	95	NO	Good	Sling sheet

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C3108	09	14:24	Watch	STAB	1	Light	10	0	95	NO	Good	Stab sheet
C3109	09	14:32	Watch	SLING	1	Light	10	0	95	NO	Good	Sling sheet
C3110	09	14:37	Watch	STAB	1	Light	10	0	95	NO	Good	Stab sheet
C3111	09	14:46	Watch	SLING	1	Light	10	0	95	NO	Good	Sling sheet
C3112	09	14:51	Watch	STAB	1	Light	10	0	95	NO	Good	Stab sheet
C3113	09	14:57	Watch	SLING	1	Light	10	0	95	NO	Good	Sling sheet
C3114	09	14:59	Watch	STAB	1	Light	10	0	95	NO	Good	Stab sheet
C3115	09	15:08	Watch	SLING	1	Light	10	0	95	NO	Good	Sling sheet
C3116	09	15:12	Watch	SLING	1	Light	10	0	95	NO	Good	Sling hammer
C3117	09	15:16	Watch	VIB	1	Light	10	0	95	NO	Good	VIB ON - 2 sheets
C3118	09	15:19	Watch	Other	1	Light	10	0	95	NO	Good	VIB OFF - Welding
C3119	09	15:31	Watch	VIB	1	Light	10	0	95	NO	Good	VIB ON - 2 sheets
C3120	09	15:35	Watch	Other	1	Light	10	0	95	NO	Good	VIB OFF - Welding
C3121	09	15:45	Watch	VIB	1	Light	10	0	95	NO	Good	VIB ON - 2 sheets
C3122	09	15:48	Watch	Other	1	Light	10	0	95	NO	Good	VIB OFF - Welding
C3123	09	15:57	Watch	VIB	1	Light	10	0	95	NO	Good	VIB ON - 2 sheets
C3124	09	15:59	Watch	SLING	1	Light	10	0	95	NO	Good	VIB OFF - Sling hammer
C3125	09	16:01	Watch	VIB	1	Light	10	0	95	NO	Good	VIB ON - 2 sheets
C3126	09	16:03	Watch	SLING	1	Light	10	0	95	NO	Good	VIB OFF - Sling hammer / sheet
C3127	09	16:10	Watch	STAB	1	Light	10	0	95	NO	Good	Stab sheet
C3128	09	16:15	Watch	SLING	1	Light	10	0	95	NO	Good	Sling sheet
C3129	09	16:18	Watch	STAB	1	Light	10	0	95	NO	Good	Stab sheet
C3130	09	16:25	Watch	SLING	1	Light	10	0	95	NO	Good	Sling sheet
C3131	09	16:28	Watch	STAB	1	Light	10	0	95	NO	Good	Stab sheet
C3132	09	16:30	Watch	SLING	1	Light	10	0	95	NO	Good	Sling sheet
C3133	09	16:37	Watch	STAB	1	Light	10	0	95	NO	Good	Stab sheet
C3134	09	16:40	Watch	SLING	1	Light	10	0	95	NO	Good	Sling sheet
C3135	09	16:44	Watch	STAB	1	Light	10	0	95	NO	Good	Stab sheet
C3136	09	16:54	Watch	VIB	1	Light	10	0	95	NO	Good	VIB ON - 2 sheets
C3137	09	16:57	Watch	Other	1	Light	10	0	95	NO	Good	VIB OFF - Sling hammer
C3138	09	16:58	Watch	VIB	1	Light	10	0	95	NO	Good	VIB ON - 2 sheets
C3139	09	16:59	Watch	SLING	1	Light	10	0	95	NO	Good	VIB OFF - Sling hammer
C3140	09	17:11	Watch	VIB	1	Light	10	0	95	NO	Good	VIB ON - 2 sheets

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C3141	09	17:16	Watch	SLING	1	Light	10	0	95	NO	Good	VIB OFF - Sling hammer
C3142	09	17:24	Watch	VIB	1	Light	10	0	95	NO	Good	VIB ON - 2 sheets
C3143	09	17:25	Watch	SLING	1	Light	10	0	95	NO	Good	VIB OFF - Sling hammer
C3144	09	17:34	Watch	VIB	1	Light	10	0	95	NO	Good	VIB ON - 2 sheets
C3145	09	17:35	Watch	SLING	1	Light	10	0	95	NO	Good	VIB OFF - Sling hammer
C3146	09	17:38	Watch	Other	1	Light	10	0	95	NO	Good	Work on hammer
C3147	09	18:08	Watch	Other	1	Light	10	0	95	NO	Good	Work on hammer
C3148	09	18:19	Watch	SLING	1	Light	10	0	95	NO	Good	Sling sheet
C3149	09	18:23	Watch	STAB	1	Light	10	0	95	NO	Good	Stab sheet
C3150	09	18:31	Watch	SLING	1	Light	10	0	95	NO	Good	Sling sheet
C3151	09	18:35	Watch	STAB	1	Light	10	0	95	NO	Good	Stab sheet
C3152	09	18:43	Watch	SLING	1	Light	10	0	95	NO	Good	Sling sheet OUT OF WATER
C3153	09	18:45	Watch	STAB	1	Light	10	0	95	NO	Good	Stab sheet OUT OF WATER
C3154	09	18:49	Watch	SLING	1	Light	10	0	95	NO	Good	Sling sheet OUT OF WATER
C3155	09	18:54	Watch	STAB	1	Light	10	0	95	NO	Good	Stab sheet OUT OF WATER
C3156	09	19:00	Watch	SLING	1	Light	10	0	95	NO	Good	Sling hammer
C3157	09	19:05	Watch	VIB	1	Light	10	0	95	NO	Good	VIB ON - 2 sheets
C3158	09	19:10	Watch	Other	1	Light	10	0	95	NO	Good	VIB OFF - Welding
C3159	09	19:19	Watch	VIB	1	Light	10	0	95	NO	Good	VIB ON - 2 sheets
C3160	09	19:23	Watch	SLING	1	Light	10	0	95	NO	Good	VIB OFF - Sling hammer
C3161	09	19:30	Watch	VIB	1	None	10	0	95	NO	Excel	VIB ON - 2 sheets
C3162	09	19:31	Watch	SLING	1	None	10	0	95	NO	Excel	VIB OFF - Sling hammer
C3164	09	19:34	Watch	SLING	1	None	10	0	95	NO	Excel	VIB OFF - Sling hammer
C3163	09	19:34	Watch	VIB	1	None	10	0	95	NO	Excel	VIB ON - 2 sheets
C3166	09	19:36	Watch	SLING	1	None	10	0	95	NO	Excel	VIB OFF - Sling hammer
C3165	09	19:36	Watch	VIB	1	None	10	0	95	NO	Excel	VIB ON - 2 sheets
C3167	09	19:38	Watch	VIB	1	None	10	0	95	NO	Excel	VIB ON - 2 sheets
C3169	09	19:39	Watch	POST	1	None	10	0	95	NO	Excel	
C3168	09	19:39	Watch	SLING	1	None	10	0	95	NO	Excel	VIB OFF - Sling hammer
C3170	09	20:09	End	POST	1	None	10	0	95	NO	Excel	
C3171	09/21	8:30	Start	PRE	1	None	10	0	100	NO	Good	
C3172	09/21	9:00	Watch	Other	1	None	10	0	100	NO	Good	Welding
C3173	09/21	9:29	Watch	VIB	1	Light	10	0	100	NO	Good	VIB ON - 2 sheets

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C3174	09/21	9:32	Watch	SLING	1	Light	10	0	100	NO	Good	VIB OFF - Sling hammer
C3175	09/21	9:38	Watch	VIB	1	Light	10	0	100	NO	Good	VIB - 1 sheet
C3176	09/21	9:41	Watch	Other	1	Light	10	0	100	NO	Good	VIB OFF - work on pile
C3178	09/21	9:44	Watch	SLING	1	Light	10	0	100	NO	Good	VIB OFF - Sling hammer
C3177	09/21	9:44	Watch	VIB	1	Light	10	0	100	NO	Good	VIB ON - 1 sheet
C3180	09/21	9:52	Watch	SLING	1	Light	10	0	100	NO	Good	VIBR OFF - Sling pile
C3179	09/21	9:52	Watch	VIBR	1	Light	10	0	100	NO	Good	VIBR ON - 14" temporary pile (NOT IN WATER)
C3181	09/21	9:53	Watch	VIB	1	Light	10	0	100	NO	Good	VIB ON - 14" temporary pile (NOT IN WATER)
C3182	09/21	9:55	Watch	SLING	2	Light	10	0	90	NO	Good	VIB OFF - Sling pile
C3183	09/21	9:58	Watch	VIB	2	Light	10	0	90	NO	Good	VIB ON - 14" temporary pile (NOT IN WATER)
C3184	09/21	9:59	Watch	SLING	2	Light	10	0	90	NO	Good	VIB OFF - Sling hammer / template
C3185	09/21	10:07	Watch	Other	2	Light	10	0	90	NO	Good	Work on template
C3186	09/21	10:30	Watch	SLING	2	Light	10	0	90	NO	Good	Sling hammer
C3188	09/21	10:32	Watch	SLING	2	Light	10	0	90	NO	Good	VIBR OFF - Sling pile
C3187	09/21	10:32	Watch	VIBR	2	Light	10	0	90	NO	Good	VIBR ON - 14" temporary pile (NOT IN WATER)
C3189	09/21	10:34	Watch	VIB	2	Light	10	0	90	NO	Good	VIB ON - 14" temporary pile (NOT IN WATER)
C3190	09/21	10:47	Watch	SLING	2	Light	10	0	90	NO	Good	VIB OFF - Sling hammer
C3191	09/21	10:49	Watch	Other	2	Light	10	0	90	NO	Good	Work on template
C3192	09/21	11:18	Watch	SLING	2	Light	10	0	75	NO	Good	Sling sheet
C3193	09/21	11:21	Watch	STAB	2	Light	10	0	75	NO	Good	Stab sheet (NOT IN WATER)
C3194	09/21	11:24	Watch	SLING	2	Light	10	0	75	NO	Good	Sling sheet
C3195	09/21	11:28	Watch	STAB	2	Light	10	0	70	NO	Good	Stab sheet (NOT IN WATER)
C3196	09/21	11:31	Watch	SLING	2	Light	10	0	70	NO	Good	Sling sheet
C3197	09/21	11:35	Watch	STAB	2	Light	10	0	70	NO	Good	Stab sheet (NOT IN WATER)
C3198	09/21	11:37	Watch	SLING	2	Light	10	0	70	NO	Good	Sling sheet
C3199	09/21	11:42	Watch	STAB	2	Light	10	0	70	NO	Good	Stab sheet (NOT IN WATER)
C3200	09/21	11:50	Watch	VIB	2	Light	10	0	70	NO	Good	VIB ON - 2 sheets (NOT IN WATER)
C3201	09/21	11:53	Watch	SLING	2	Light	10	0	60	NO	Good	VIB OFF - Sling hammer
C3202	09/21	11:56	Watch	VIB	2	Light	10	0	60	NO	Good	VIB ON - 1 sheet (NOT IN WATER)
C3203	09/21	11:57	Watch	SLING	2	Light	10	0	40	NO	Good	VIB OFF - Sling hammer
C3205	09/21	11:59	Watch	SLING	2	Light	10	0	40	NO	Good	VIB OFF - Sling hammer
C3204	09/21	11:59	Watch	VIB	2	Light	10	0	40	NO	Good	VIB ON - 2 sheets (NOT IN WATER)
C3206	09/21	12:02	Watch	VIB	2	Light	10	0	40	NO	Good	VIB ON - 1 sheet (NOT IN WATER)

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C3207	09/21	12:03	Watch	SLING	2	Light	10	0	40	NO	Good	VIB OFF - Sling hammer
C3208	09/21	12:05	Watch	VIB	2	Light	10	0	40	NO	Good	VIB ON - 1 sheet (NOT IN WATER)
C3209	09/21	12:06	Watch	SLING	2	Light	10	0	40	NO	Good	VIB OFF - Sling hammer
C3210	09/21	12:14	Watch	VIB	2	Light	10	0	40	NO	Good	VIB ON - 2 sheets (NOT IN WATER)
C3211	09/21	12:15	Watch	SLING	2	Light	10	0	40	NO	Good	VIB OFF - Sling hammer
C3213	09/21	12:16	Watch	SLING	2	Light	10	0	40	NO	Good	VIB OFF - Sling hammer
C3212	09/21	12:16	Watch	VIB	2	Light	10	0	40	NO	Good	VIB ON - 1 sheet (NOT IN WATER)
C3214	09/21	12:21	Watch	VIB	2	Light	10	0	40	NO	Good	VIB ON - 2 sheets (NOT IN WATER)
C3215	09/21	12:22	Watch	SLING	2	Light	10	0	40	NO	Good	VIB OFF - Sling hammer
C3217	09/21	12:25	Watch	SLING	2	Light	10	0	40	NO	Good	VIB OFF - Sling hammer down
C3216	09/21	12:25	Watch	VIB	2	Light	10	0	40	NO	Good	VIB ON - 2 sheets (NOT IN WATER)
C3218	09/21	12:30	Watch	No Work	3	Light	10	0	25	NO	Good	Lunch break - Whitecaps forming
C3219	09/21	13:07	Watch	SLING	3	Light	10	0	25	NO	Good	Sling sheet
C3220	09/21	13:09	Watch	STAB	3	Light	10	0	25	NO	Good	Stab sheet (NOT IN WATER)
C3221	09/21	13:19	Watch	SLING	3	Light	10	0	25	NO	Good	Sling sheet
C3222	09/21	13:22	Watch	STAB	3	Light	10	0	25	NO	Good	Stab sheet (NOT IN WATER)
C3223	09/21	13:27	Watch	SLING	3	Light	10	0	25	NO	Good	Sling sheet
C3224	09/21	13:29	Watch	STAB	3	Light	10	0	25	NO	Good	Stab sheet (NOT IN WATER)
C3225	09/21	13:32	Watch	SLING	3	Light	10	0	25	NO	Good	Sling sheet
C3226	09/21	13:35	Watch	STAB	3	Light	10	0	25	NO	Good	Stab sheet (NOT IN WATER)
C3227	09/21	13:39	Watch	SLING	2	Light	10	0	25	NO	Good	Sling sheet
C3228	09/21	13:42	Watch	STAB	2	Light	10	0	25	NO	Good	Stab sheet (NOT IN WATER)
C3229	09/21	13:45	Watch	SLING	2	Light	10	0	40	NO	Good	Sling hammer
C3230	09/21	13:50	Watch	VIB	2	Light	10	0	40	NO	Good	VIB ON - 2 sheets (NOT IN WATER)
C3231	09/21	13:55	Watch	Other	2	Light	10	0	40	NO	Good	VIB OFF - Welding
C3232	09/21	13:58	Watch	VIB	2	Light	10	0	40	NO	Good	VIB ON - 2 sheets (NOT IN WATER)
C3233	09/21	13:59	Watch	Other	2	Light	10	0	40	NO	Good	Welding
C3234	09/21	14:02	Watch	VIB	2	Light	10	0	40	NO	Good	VIB ON - 2 sheets (NOT IN WATER)
C3235	09/21	14:04	Watch	SLING	2	Light	10	0	40	NO	Good	VIB OFF - Sling hammer
C3236	09/21	14:05	Watch	VIB	2	Light	10	0	40	NO	Good	VIB ON - 2 sheets (NOT IN WATER)
C3237	09/21	14:06	Watch	SLING	2	Light	10	0	40	NO	Good	VIB OFF - Sling hammer
C3238	09/21	14:07	Watch	VIB	2	Light	10	0	40	NO	Good	VIB ON - 2 sheets (NOT IN WATER)
C3239	09/21	14:08	Watch	SLING	2	Light	10	0	40	NO	Good	VIB OFF - Sling hammer

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C3240	09/21	14:09	Watch	VIB	2	Light	10	0	40	NO	Good	VIB ON - 1 sheet (NOT IN WATER)
C3241	09/21	14:10	Watch	Other	2	Light	10	0	40	NO	Good	Welding
C3242	09/21	14:12	Watch	VIB	2	Light	10	0	40	NO	Good	VIB ON - 2 sheets (NOT IN WATER)
C3243	09/21	14:13	Watch	SLING	2	Light	10	0	40	NO	Good	VIB OFF - Sling hammer
C3244	09/21	14:15	Watch	VIB	2	Light	10	0	40	NO	Good	VIB ON - 1 sheet (NOT IN WATER)
C3245	09/21	14:16	Watch	SLING	2	Light	10	0	40	NO	Good	Sling hammer
C3246	09/21	14:17	Watch	VIB	2	Light	10	0	40	NO	Good	VIB ON - 2 sheets (NOT IN WATER)
C3247	09/21	14:18	Watch	SLING	2	Light	10	0	40	NO	Good	Sling hammer
C3248	09/21	14:19	Watch	VIB	2	Light	10	0	40	NO	Good	VIB ON - 2 sheets
C3249	09/21	14:20	Watch	SLING	2	Light	10	0	40	NO	Good	Sling hammer / sheet
C3250	09/21	14:26	Watch	STAB	2	Light	10	0	40	NO	Good	Stab sheet (NOT IN WATER)
C3251	09/21	14:29	Watch	SLING	2	Light	10	0	40	NO	Good	Sling sheet
C3252	09/21	14:32	Watch	STAB	2	Light	10	0	40	NO	Good	Stab sheet (NOT IN WATER)
C3253	09/21	14:35	Watch	SLING	2	Light	10	0	40	NO	Good	Sling sheet
C3254	09/21	14:38	Watch	STAB	2	Light	10	0	40	NO	Good	Stab sheet (NOT IN WATER)
C3255	09/21	14:42	Watch	SLING	2	Light	10	0	40	NO	Good	Sling sheet
C3256	09/21	14:44	Watch	STAB	2	Light	10	0	30	NO	Good	Stab sheet (NOT IN WATER)
C3257	09/21	14:52	Watch	SLING	2	Light	10	0	30	NO	Good	Sling sheet
C3258	09/21	14:56	Watch	VIB	2	Light	10	0	30	NO	Good	VIB ON - 2 sheets (NOT IN WATER)
C3259	09/21	14:59	Watch	SLING	2	Light	10	0	30	NO	Good	VIB OFF - Sling hammer
C3260	09/21	15:03	Watch	VIB	2	Light	10	0	30	NO	Good	VIB ON - 2 sheets (NOT IN WATER)
C3261	09/21	15:05	Watch	SLING	2	Light	10	0	30	NO	Good	VIB OFF - Sling hammer
C3262	09/21	15:06	Watch	VIB	2	Light	10	0	30	NO	Good	VIB ON - 1 sheet (NOT IN WATER)
C3263	09/21	15:08	Watch	SLING	2	Light	10	0	30	NO	Good	VIB OFF - Sling hammer
C3264	09/21	15:09	Watch	VIB	2	Light	10	0	30	NO	Good	VIB ON - 2 sheets (NOT IN WATER)
C3265	09/21	15:10	Watch	SLING	2	Light	10	0	30	NO	Good	VIB OFF - Sling hammer (NOT IN WATER)
C3266	09/21	15:12	Watch	VIB	2	Light	10	0	30	NO	Good	VIB ON - 2 sheets (NOT IN WATER)
C3267	09/21	15:14	Watch	SLING	2	Light	10	0	30	NO	Good	Sling hammer
C3268	09/21	15:15	Watch	VIB	2	Light	10	0	30	NO	Good	VIB ON - 1 sheet (NOT IN WATER)
C3269	09/21	15:16	Watch	SLING	2	Light	10	0	30	NO	Good	Sling hammer
C3270	09/21	15:17	Watch	VIB	2	Light	10	0	30	NO	Good	VIB ON - 1 sheet (NOT IN WATER)
C3271	09/21	15:18	Watch	Other	2	Light	10	0	30	NO	Good	VIB OFF - Welding
C3272	09/21	15:24	Watch	VIB	2	Light	10	0	30	NO	Good	VIB ON - 2 sheets (NOT IN WATER)

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C3273	09/21	15:26	Watch	SLING	2	Light	10	0	30	NO	Good	Sling hammer
C3274	09/21	15:30	Watch	VIBR	3	Light	10	0	20	NO	Good	VIBR ON - 14" temporary pile (NOT IN WATER)
C3275	09/21	15:31	Watch	SLING	3	Light	10	0	20	NO	Good	VIBR OFF - Sling pile
C3276	09/21	15:32	Watch	VIB	3	Light	10	0	20	NO	Good	VIB ON - 14" temporary pile (NOT IN WATER)
C3277	09/21	15:33	Watch	SLING	3	Light	10	0	20	NO	Good	VIB OFF - Sling hammer . template
C3278	09/21	16:00	Watch	Other	3	Moderate	10	0	20	NO	Good	Welding template
C3279	09/21	16:32	Watch	SLING	3	Moderate	10	0	20	NO	Good	Sling sheet
C3280	09/21	16:34	Watch	STAB	3	Moderate	10	0	20	NO	Good	Stab sheet (NOT IN WATER)
C3281	09/21	16:36	Watch	SLING	3	Moderate	10	0	20	NO	Good	Sling sheet
C3282	09/21	16:42	Watch	STAB	3	Moderate	10	0	20	NO	Good	Stab sheet (NOT IN WATER)
C3283	09/21	16:44	Watch	SLING	3	Moderate	10	0	20	NO	Good	Sling sheet
C3284	09/21	16:47	Watch	STAB	3	Moderate	10	0	20	NO	Good	Stab sheet (NOT IN WATER)
C3285	09/21	16:53	Watch	SLING	3	Moderate	10	0	20	NO	Good	Sling sheet
C3286	09/21	16:55	Watch	STAB	3	Moderate	10	0	20	NO	Good	Stab sheet (NOT IN WATER)
C3287	09/21	16:58	Watch	SLING	3	Moderate	10	0	30	NO	Good	Sling sheet
C3288	09/21	17:00	Watch	STAB	3	Moderate	10	0	30	NO	Good	Stab sheet (NOT IN WATER)
C3289	09/21	17:05	Watch	SLING	3	Moderate	10	0	30	NO	Good	Sling sheet
C3290	09/21	17:08	Watch	STAB	3	Moderate	10	0	30	NO	Good	Stab sheet (NOT IN WATER)
C3291	09/21	17:13	Watch	SLING	3	Moderate	10	0	30	NO	Good	Sling hammer
C3293	09/21	17:17	Watch	SLING	3	Moderate	10	0	30	NO	Good	VIB OFF - Sling hammer
C3292	09/21	17:17	Watch	VIB	3	Moderate	10	0	30	NO	Good	VIB ON - 2 sheets (NOT IN WATER)
C3295	09/21	17:21	Watch	SLING	3	Moderate	10	0	30	NO	Good	VIB OFF - Sling hammer
C3294	09/21	17:21	Watch	VIB	3	Moderate	10	0	30	NO	Good	VIB ON - 1 sheet (NOT IN WATER)
C3297	09/21	17:25	Watch	SLING	3	Moderate	10	0	30	NO	Good	VIB OFF - Sling hammer
C3296	09/21	17:25	Watch	VIB	3	Moderate	10	0	30	NO	Good	VIB ON - 1 sheet (NOT IN WATER)
C3299	09/21	17:26	Watch	SLING	3	Moderate	10	0	30	NO	Good	VIB OFF - Sling hammer
C3298	09/21	17:26	Watch	VIB	3	Moderate	10	0	30	NO	Good	VIB ON - 2 sheets (NOT IN WATER)
C3301	09/21	17:32	Watch	SLING	3	Moderate	10	0	30	NO	Good	VIB OFF - Sling hammer
C3300	09/21	17:32	Watch	VIB	3	Moderate	10	0	30	NO	Good	VIB ON - 2 sheets (NOT IN WATER)
C3303	09/21	17:33	Watch	SLING	3	Moderate	10	0	30	NO	Good	VIB OFF - Sling hammer
C3302	09/21	17:33	Watch	VIB	3	Moderate	10	0	30	NO	Good	VIB ON - 2 sheets (NOT IN WATER)
C3305	09/21	17:34	Watch	SLING	3	Moderate	10	0	30	NO	Good	VIB OFF - Sling hammer
C3304	09/21	17:34	Watch	VIB	3	Moderate	10	0	30	NO	Good	VIB ON - 2 sheets (NOT IN WATER)

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C3307	09/21	17:36	Watch	SLING	3	Moderate	10	0	30	NO	Good	VIB OFF - Sling hammer
C3306	09/21	17:36	Watch	VIB	3	Moderate	10	0	30	NO	Good	VIB ON - 1 sheet (NOT IN WATER)
C3309	09/21	17:38	Watch	SLING	3	Moderate	10	0	50	NO	Good	VIB OFF - Sling sheet
C3308	09/21	17:38	Watch	VIB	3	Moderate	10	0	50	NO	Good	VIB ON - 2 sheets (NOT IN WATER)
C3310	09/21	17:40	Watch	STAB	3	Moderate	10	0	50	NO	Good	Stab sheet (NOT IN WATER)
C3311	09/21	17:42	Watch	Other	3	Moderate	10	0	50	NO	Good	Pause.
C3312	09/21	17:47	Watch	SLING	3	Moderate	10	0	50	NO	Good	Sling sheet
C3313	09/21	17:50	Watch	STAB	3	Moderate	10	0	40	NO	Good	Stab sheet (NOT IN WATER)
C3314	09/21	17:53	Watch	SLING	3	Moderate	10	0	40	NO	Good	Sling sheet
C3315	09/21	17:55	Watch	STAB	3	Moderate	10	0	40	NO	Good	Stab sheet (NOT IN WATER)
C3316	09/21	17:57	Watch	SLING	3	Moderate	10	0	40	NO	Good	Sling sheet
C3317	09/21	17:58	Watch	STAB	3	Moderate	10	0	40	NO	Good	Stab sheet (NOT IN WATER)
C3318	09/21	18:02	Watch	SLING	3	Moderate	10	0	40	NO	Good	Sling sheet
C3319	09/21	18:09	Watch	STAB	3	Moderate	10	0	30	NO	Good	Stab sheet (NOT IN WATER)
C3320	09/21	18:11	Watch	SLING	3	Moderate	10	0	30	NO	Good	Sling anchor
C3321	09/21	18:20	Watch	VIB	3	Moderate	10	0	30	NO	Good	Stab anchor (NOT IN WATER)
C3322	09/21	18:21	Watch	SLING	3	Moderate	10	10	30	NO	Good	Sling hammer
C3323	09/21	18:25	Watch	VIB	3	Moderate	10	10	30	NO	Good	VIB ON - 2 sheets (NOT IN WATER)
C3324	09/21	18:27	Watch	SLING	3	Moderate	10	10	30	NO	Good	VIB OFF - Sling hammer
C3325	09/21	18:28	Watch	VIB	3	Moderate	10	10	30	NO	Good	VIB ON - 2 sheets (NOT IN WATER)
C3326	09/21	18:29	Watch	SLING	3	Moderate	10	10	30	NO	Good	VIB OFF - Sling hammer
C3327	09/21	18:53	Watch	VIB	3	Moderate	10	10	30	NO	Good	VIB ON - 1 sheet (NOT IN WATER)
C3329	09/21	18:54	Watch	SLING	4	Moderate	10	20	30	NO	Fair	Sling hammer
C3330	09/21	18:55	Watch	VIB	4	Moderate	10	20	30	NO	Fair	VIB ON - 1 anchor / 1 sheet (NOT IN WATER)
C3331	09/21	18:56	Watch	Other	4	Moderate	10	20	30	NO	Fair	VIB OFF - Sling hammer
C3328	09/21	18:56	Watch	SLING	3	Moderate	10	10	30	NO	Good	VIB OFF - Move template
C3333	09/21	18:58	Watch	SLING	4	Moderate	10	20	30	NO	Fair	VIB OFF - Sling hammer
C3332	09/21	18:58	Watch	VIB	4	Moderate	10	20	30	NO	Fair	VIB ON - 2 sheets (NOT IN WATER)
C3334	09/21	19:00	Watch	VIB	4	Moderate	10	20	30	NO	Fair	VIB ON - 1 anchor / 1 sheet (NOT IN WATER)
C3335	09/21	19:01	Watch	SLING	4	Moderate	10	20	30	NO	Fair	VIB OFF - Sling hammer
C3337	09/21	19:04	Watch	SLING	4	Moderate	10	20	40	NO	Fair	VIB OFF - Sling hammer
C3336	09/21	19:04	Watch	VIB	4	Moderate	10	20	40	NO	Fair	VIB ON - 2 sheets (NOT IN WATER)
C3339	09/21	19:05	Watch	SLING	4	Moderate	10	20	40	NO	Fair	VIB OFF - Sling hammer

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C3338	09/21	19:05	Watch	VIB	4	Moderate	10	20	40	NO	Fair	VIB ON - 2 sheets (NOT IN WATER)
C3341	09/21	19:07	Watch	SLING	4	Moderate	10	20	40	NO	Fair	VIB OFF - Sling hammer
C3340	09/21	19:07	Watch	VIB	4	Moderate	10	20	40	NO	Fair	VIB ON - 2 sheets (NOT IN WATER)
C3343	09/21	19:08	Watch	SLING	4	Moderate	10	20	40	NO	Fair	VIB OFF - Sling hammer
C3342	09/21	19:08	Watch	VIB	4	Moderate	10	20	40	NO	Fair	VIB ON - 2 sheets (NOT IN WATER)
C3345	09/21	19:09	Watch	SLING	4	Moderate	10	20	40	NO	Fair	VIB OFF - Sling hammer
C3344	09/21	19:09	Watch	VIB	4	Moderate	10	20	40	NO	Fair	VIB ON - 2 sheets (NOT IN WATER)
C3347	09/21	19:21	Watch	SLING	4	Moderate	10	20	40	NO	Fair	VIBR OFF - Sling pile
C3346	09/21	19:21	Watch	VIBR	4	Moderate	10	20	40	NO	Fair	VIBR ON - 14" temporary pile (NOT IN WATER)
C3348	09/21	19:23	Watch	VIB	4	Moderate	10	20	40	NO	Fair	VIB ON - 14" temporary pile (NOT IN WATER)
C3349	09/21	19:24	Watch	SLING	4	Moderate	10	20	40	NO	Fair	VIB OFF - Sling hammer
C3350	09/21	19:29	Watch	SLING	3	Moderate	10	20	40	NO	Fair	VIBR OFF - Sling pile
C3349	09/21	19:29	Watch	VIBR	3	Moderate	10	20	40	NO	Fair	VIBR ON - 14" temporary pile (NOT IN WATER)
C3352	09/21	19:32	Watch	SLING	3	Moderate	10	20	40	NO	Fair	VIB OFF - Sling hammer
C3351	09/21	19:32	Watch	VIB	3	Moderate	10	20	40	NO	Fair	VIB ON - 14" temporary pile (NOT IN WATER)
C3355	09/21	19:35	Watch	POST	3	Moderate	10	20	40	NO	Fair	
C3354	09/21	19:35	Watch	SLING	3	Moderate	10	20	40	NO	Fair	VIB OFF - Sling hammer
C3353	09/21	19:35	Watch	VIB	3	Moderate	10	20	40	NO	Fair	VIB ON - 2 sheets
C3356	09/21	20:05	End	No Work	3	Moderate	10	20	40	NO	Fair	END OF SHEET DRIVING
C3357	09/22	8:00	Start	PRE	2	Light	10	0	100	NO	Fair	
C3358	09/22	8:30	Watch	Other	2	Light	10	0	100	NO	Fair	Backfill ops
C3359	09/22	9:00	Watch	Other	2	Light	10	0	100	NO	Fair	Backfill ops
C3360	09/22	9:30	Watch	Other	2	Light	10	0	100	NO	Fair	Backfill ops
C3361	09/22	10:00	Watch	Other	2	Light	10	0	100	NO	Good	Backfill ops
C3362	09/22	10:30	Watch	Other	2	Light	10	0	100	NO	Good	Backfill ops
C3363	09/22	11:00	Watch	Other	2	Light	10	0	100	NO	Good	Backfill ops
C3364	09/22	11:30	Watch	Other	2	Light	10	0	100	NO	Good	Backfill ops
C3365	09/22	11:55	Watch	Other	2	Light	9	0	100	NO	Good	Backfill ops - Shift change
C3366	09/22	12:31	Watch	No Work	3	Light	9	0	100	NO	Good	Lunch break
C3367	09/22	12:57	Watch	No Work	3	Light	9	0	100	NO	Good	Lunch break
C3368	09/22	13:28	Watch	Other	3	Light	10	0	100	NO	Good	Backfill ops
C3369	09/22	13:59	Watch	Other	3	Light	10	0	65	NO	Good	Backfill ops - barge ops
C3370	09/22	14:29	Watch	Other	3	Light	10	0	60	NO	Good	Backfill ops

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C3371	09/22	15:00	Watch	Other	3	Light	10	0	40	NO	Good	Backfill ops
C3372	09/22	15:28	Watch	Other	4	Moderate	10	0	30	NO	Good	Backfill ops
C3373	09/22	16:01	Watch	Other	4	Moderate	10	0	30	NO	Good	Backfillops
C3374	09/22	16:30	Watch	Other	4	Moderate	10	0	30	NO	Fair	Backfill ops - whitecaps
C3375	09/22	17:00	Watch	Other	4	Moderate	10	0	30	NO	Fair	Backfill ops
C3376	09/22	17:30	Watch	No Work	4	Moderate	10	0	30	NO	Fair	Backfill ops
C3377	09/22	18:00	Watch	No Work	4	Moderate	10	0	35	NO	Fair	Shift change
C3378	09/22	18:25	Watch	No Work	4	Moderate	10	0	30	NO	Fair	
C3379	09/22	18:55	End	No Work	4	Moderate	10	0	30	NO	Fair	
C3380	09/23	8:00	Start	No Work	3	Light	10	0	10	NO	Fair	
C3381	09/23	8:30	Watch	Other	3	Light	10	0	10	NO	Fair	Backfill ops
C3382	09/23	9:00	Watch	Other	3	Light	10	0	5	NO	Fair	Backfill ops
C3383	09/23	9:30	Watch	Other	3	Light	10	0	5	NO	Good	Backfill ops
C3384	09/23	10:00	Watch	Other	3	Light	10	0	5	NO	Good	Backfill ops
C3385	09/23	10:30	Watch	Other	2	Light	10	0	5	NO	Good	Backfill ops
C3386	09/23	11:00	Watch	Other	2	Light	10	0	5	NO	Good	Backfill ops
C3387	09/23	11:30	Watch	Other	2	Light	10	0	0	NO	Good	Backfill ops
C3388	09/23	12:00	Watch	No Work	2	Light	10	0	0	NO	Good	Lunch
C3389	09/23	12:32	Watch	No Work	2	Light	10	0	0	NO	Good	
C3390	09/23	13:00	Watch	Other	2	Light	10	0	0	NO	Good	Resumed backfill ops
C3391	09/23	13:30	Watch	Other	2	Light	10	0	0	NO	Good	Backfill ops
C3392	09/23	14:00	Watch	Other	2	Light	10	0	0	NO	Good	Backfill ops
C3393	09/23	14:30	Watch	Other	2	Light	10	0	0	NO	Good	Backfill ops
C3394	09/23	15:00	Watch	Other	2	Light	10	0	0	NO	Good	Backfill ops
C3395	09/23	15:30	Watch	Other	2	Light	10	0	0	NO	Good	Backfill ops - moved to cell 2
C3396	09/23	16:00	Watch	Other	2	Light	10	0	0	NO	Good	Sling template OUT OF WATER
C3397	09/23	16:30	Watch	Other	2	Light	10	0	0	NO	Good	Backfill ops
C3398	09/23	17:00	Watch	Other	2	Light	10	0	0	NO	Good	Backfill ops
C3399	09/23	17:30	Watch	Other	2	Light	10	0	0	NO	Good	Moving spuds OUT OF WATER
C3400	09/23	18:00	Watch	Other	2	Light	10	0	0	NO	Good	Moving spuds OUT OF WATER
C3401	09/23	18:30	Watch	Other	2	Light	10	0	0	NO	Good	Moving Z pile OUT OF WATER
C3402	09/23	18:50	Watch	POST	2	Light	10	0	0	NO	Good	
C3403	09/23	19:20	End	No Work	2	Light	10	0	0	NO	Good	

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C3404	09/24	8:00	Start	No Work	2	Light	8	0	0	NO	Good	Start of day
C3405	09/24	8:15	Watch	Other	2	Light	8	0	0	NO	Good	Compacting
C3406	09/24	8:45	Watch	No Work	2	Light	10	0	0	NO	Good	Compacting
C3407	09/24	9:00	Watch	No Work	2	Light	10	0	0	NO	Good	Compacting
C3408	09/24	9:30	Watch	Other	2	Light	10	0	0	NO	Good	Compacting
C3409	09/24	10:00	Watch	Other	2	Light	10	0	0	NO	Good	Moving equipment
C3410	09/24	10:30	Watch	Other	2	Light	10	0	0	NO	Good	Backfill ops
C3411	09/24	11:00	Watch	Other	2	Light	10	0	0	NO	Good	Backfill ops
C3412	09/24	11:30	Watch	Other	2	Light	10	0	0	NO	Good	Compacting
C3413	09/24	12:00	Watch	Other	2	Light	10	0	0	NO	Excel	Compacting
C3414	09/24	12:31	Watch	Other	1	None	10	0	0	NO	Good	Backfill ops
C3415	09/24	12:57	Watch	Other	1	None	10	0	0	NO	Good	Backfill ops
C3416	09/24	13:27	Watch	Other	1	None	10	0	0	NO	Good	Cleaning yard / backfill ops
C3417	09/24	14:00	Watch	Other	1	None	10	0	0	NO	Good	Backfill ops
C3418	09/24	14:27	Watch	Other	1	None	10	0	0	NO	Good	Backfill ops
C3419	09/24	15:02	Watch	Other	1	None	10	0	5	NO	Good	Backfill ops
C3420	09/24	15:30	Watch	Other	1	None	10	0	5	NO	Good	Moving equipment, cleaning yard
C3421	09/24	16:00	Watch	Other	1	None	10	0	5	NO	Good	Moving equipment, cleaning yard
C3422	09/24	16:30	Watch	Other	1	None	10	0	5	NO	Good	Cutting structures inside cells, crane moving beams
C3423	09/24	17:00	Watch	Other	2	Light	10	0	5	NO	Good	Cutting structures inside cells, crane moving beams
C3424	09/24	17:30	Watch	Other	2	Light	10	5	5	NO	Good	Cutting structures inside cells, crane moving beams
C3425	09/24	18:00	Watch	Other	3	Light	10	5	5	NO	Good	Cutting structures inside cells, crane moving beams
C3426	09/24	18:30	Watch	Other	3	Light	10	10	10	NO	Good	Cleaning area
C3427	09/24	18:56	Watch	SLING	3	Light	10	10	15	NO	Good	Slinging piles over water
C3428	09/24	19:32	End	No Work	3	Light	10	10	20	NO	Good	
C3429	09/25	8:30	Start	No Work	2	Light	10	0	0	NO	Good	
C3430	09/25	9:00	Watch	No Work	2	Light	10	0	0	NO	Good	
C3431	09/25	9:30	Watch	Other	2	Light	10	0	0	NO	Good	Gravel delivery
C3432	09/25	10:00	Watch	Other	2	Light	10	0	0	NO	Good	Gravel delivery
C3433	09/25	11:00	Watch	Other	2	Light	10	0	0	NO	Good	Gravel delivery
C3434	09/25	11:30	Watch	Other	2	Light	10	0	0	NO	Good	Gravel delivery
C3435	09/25	12:00	Watch	Other	1	None	10	0	0	NO	Good	Sling; dirt work
C3436	09/25	12:27	Watch	Other	1	None	10	0	0	NO	Good	

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C3437	09/25	13:03	Watch	No Work	1	None	10	0	0	NO	Good	
C3438	09/25	13:31	Watch	No Work	1	None	10	0	0	NO	Good	
C3439	09/25	13:59	Watch	No Work	1	None	10	0	0	NO	Good	
C3440	09/25	14:28	Watch	Other	1	None	10	0	5	NO	Excel	Readying equipment
C3441	09/25	14:55	Watch	Other	1	None	10	0	5	NO	Excel	Prepping/digging
C3442	09/25	15:25	Watch	Other	1	None	10	0	5	NO	Excel	Prepping/digging
C3443	09/25	16:00	Watch	Other	1	None	10	0	5	NO	Excel	Working on equipment
C3444	09/25	16:30	Watch	Other	1	None	10	0	5	NO	Excel	Working on equipment
C3445	09/25	17:00	Watch	Other	1	None	10	0	5	NO	Excel	Digging out area to west of cell 1
C3446	09/25	17:30	Watch	Other	1	None	10	0	5	NO	Excel	Moving equipment
C3447	09/25	18:00	Watch	Other	2	None	10	5	5	NO	Good	Shift change, working on equipment
C3448	09/25	18:31	Watch	Other	3	Light	10	5	5	NO	Good	
C3449	09/25	18:56	Watch	Other	3	Light	10	5	5	NO	Good	Gravel delivery
C3450	09/25	19:33	End	Other	3	Light	10	5	5	NO	Good	
C3451	09/26	8:00	Start	PRE	1	None	10	0	5	NO	Good	
C3452	09/26	8:30	Watch	Other	1	None	10	0	5	NO	Good	Moving equipment
C3453	09/26	9:00	Watch	Other	1	None	10	0	5	NO	Good	Backfill ops
C3454	09/26	9:30	Watch	Other	1	None	10	0	5	NO	Good	Backfill ops
C3455	09/26	10:00	Watch	Other	1	None	10	0	5	NO	Good	Backfill ops
C3456	09/26	10:30	Watch	Other	1	None	10	0	5	NO	Good	Backfill ops
C3457	09/26	11:00	Watch	Other	1	None	10	0	5	NO	Good	Compacting
C3458	09/26	11:30	Watch	Other	1	None	10	0	5	NO	Good	Compacting
C3459	09/26	12:00	Watch	Other	2	None	10	0	20	NO	Good	Compacting
C3460	09/26	12:30	Watch	Other	2	None	10	0	20	NO	Good	Compacting
C3461	09/26	13:00	Watch	Other	2	None	10	0	30	NO	Good	Compacting
C3462	09/26	13:30	Watch	Other	2	None	10	0	30	NO	Good	Backfill ops
C3463	09/26	14:00	Watch	Other	2	None	10	0	30	NO	Good	Backfill ops
C3464	09/26	14:30	Watch	Other	1	None	10	0	30	NO	Good	Backfill ops
C3465	09/26	15:00	Watch	Other	1	None	10	0	30	NO	Good	Backfill ops
C3466	09/26	15:30	Watch	Other	1	None	10	0	30	NO	Good	Compacting
C3467	09/26	16:00	Break	Other	1	None	10	0	30	NO	Good	Backfill ops - Break from shift
C3468	09/26	17:25	Start	PRE	1	None	10	0	50	NO	Good	Pre-watch for bollards
C3469	09/26	17:55	Watch	Other	1	None	10	0	50	NO	Good	Backfill ops

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C3470	09/26	18:24	Watch	STAB	1	None	10	15	70	NO	Good	Stab bollard
C3471	09/26	18:28	Watch	SLING	1	None	10	15	70	NO	Good	Sling bollard
C3472	09/26	18:31	Watch	STAB	1	None	10	15	70	NO	Good	Stab bollard
C3473	09/26	18:35	Watch	Other	1	None	10	15	70	NO	Good	Backfill ops
C3474	09/26	19:00	Watch	SLING	2	Light	10	15	80	NO	Good	Sling bollard
C3475	09/26	19:02	Watch	STAB	2	Light	10	5	80	NO	Good	Stab bollard
C3476	09/26	19:05	Watch	SLING	2	Light	10	5	80	NO	Good	Sling hammer / bollard
C3477	09/26	19:13	Watch	VIB	2	Light	10	5	90	NO	Good	VIB ON - Bollard pile (NOT IN WATER)
C3478	09/26	19:22	Watch	SLING	2	Light	10	15	90	NO	Good	VIB OFF - Sling hammer / bollard
C3479	09/26	19:28	Watch	VIB	2	Light	10	15	90	NO	Good	VIB ON - Bollard pile (NOT IN WATER)
C3480	09/26	19:41	Watch	SLING	2	Light	10	15	90	NO	Good	VIB OFF - Sling hammer / bollard
C3482	09/26	19:44	Watch	SLING	2	Light	10	15	90	NO	Good	VIBR OFF - Sling bollard
C3481	09/26	19:44	Watch	VIBR	2	Light	10	15	90	NO	Good	VIBR ON - Bollard
C3483	09/26	19:47	Watch	VIB	2	Light	10	15	90	NO	Good	VIB ON - Bollard pile (NOT IN WATER)
C3484	09/26	19:59	Watch	SLING	2	Light	10	15	90	NO	Good	VIB OFF - Sling hammer / bollard
C3485	09/26	20:09	Watch	STAB	2	Light	10	15	90	NO	Good	Stab bollard
C3486	09/26	20:14	Watch	SLING	2	Light	10	15	90	NO	Good	Sling bollard
C3487	09/26	20:27	Watch	VIB	2	Light	10	10	95	NO	Good	VIB ON - Bollard pile (NOT IN WATER)
C3488	09/26	20:33	Watch	SLING	2	Light	10	10	95	NO	Good	VIB OFF - Sling hammer / bollard
C3489	09/26	20:40	Watch	VIB	2	Light	10	10	95	NO	Good	VIB ON - Bollard pile (NOT IN WATER)
C3490	09/26	20:48	Watch	POST	2	Light	1	10	95	NO	Fair	VIB OFF
C3491	09/26	21:18	End	POST	2	Light	1	10	95	NO	Fair	
C3492	09/27	9:00	Start	Postconstruction	2	None	10	0	95	NO	Good	Start of watch
C3493	09/27	9:30	Watch	Postconstruction	2	None	10	0	95	NO	Good	
C3494	09/27	10:00	Watch	Postconstruction	2	Light	10	0	95	NO	Good	
C3495	09/27	10:30	Watch	Postconstruction	2	Light	10	0	95	NO	Good	
C3496	09/27	11:00	Watch	Postconstruction	2	Light	10	0	95	NO	Good	
C3497	09/27	11:30	Watch	Postconstruction	2	Light	10	0	95	NO	Good	
C3498	09/27	12:00	Watch	Postconstruction	2	Light	10	0	95	NO	Good	
C3499	09/27	12:30	Watch	Postconstruction	2	Light	10	0	95	NO	Good	Moving equipment
C3500	09/27	13:00	Break	Postconstruction	2	None	10	0	95	NO	Good	Break
C3501	09/27	15:00	Start	Postconstruction	2	Light	10	0	90	NO	Good	
C3502	09/27	15:30	Watch	Postconstruction	2	Light	10	0	70	NO	Good	

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C3503	09/27	16:00	Watch	Postconstruction	2	Light	10	0	40	NO	Good	Moving equipment
C3504	09/27	16:30	Watch	Postconstruction	2	Light	10	0	20	NO	Good	Moving equipment
C3505	09/27	17:00	Watch	Postconstruction	2	Light	10	10	10	NO	Good	Moving equipment
C3506	09/27	17:33	Watch	Postconstruction	2	Light	10	10	5	NO	Good	VIB ON - Bollard pile (NOT IN WATER)
C3507	09/27	17:43	Watch	Postconstruction	2	Light	10	20	0	NO	Good	VIB OFF - Moving equipment
C3508	09/27	18:10	Watch	Postconstruction	2	Light	10	20	0	NO	Good	VIB ON - Bollard pile (NOT IN WATER)
C3509	09/27	18:18	Watch	Postconstruction	2	Light	10	20	0	NO	Good	VIB OFF - Moving equipment
C3510	09/27	18:28	Watch	Postconstruction	2	Light	10	20	0	NO	Good	VIB ON - Bollard pile (NOT IN WATER)
C3511	09/27	18:35	Watch	Postconstruction	2	Light	10	20	0	NO	Good	VIB OFF - Moving equipment
C3512	09/27	18:49	Watch	Postconstruction	2	Light	10	20	0	NO	Good	VIB ON - Bollard pile (NOT IN WATER)
C3513	09/27	18:53	Watch	Postconstruction	2	Light	10	20	0	NO	Good	VIB OFF - Start of post watch
C3514	09/27	19:23	End	Postconstruction	2	Light	10	20	0	NO	Good	
C3515	09/28	9:00	Start	Postconstruction	1	None	10	0	0	NO	Good	Moving dirt in 6, welding in 4
C3516	09/28	9:30	Watch	Postconstruction	1	None	10	0	0	NO	Good	Moving dirt in 6, cutting/welding bollard in 3
C3517	09/28	10:00	Watch	Postconstruction	1	None	10	0	25	NO	Good	Cutting/welding/backfill
C3518	09/28	10:30	Watch	Postconstruction	2	None	10	0	60	NO	Good	Cutting/welding/backfill
C3519	09/28	11:00	Watch	Postconstruction	1	None	10	0	80	NO	Good	Cutting/welding/backfill
C3520	09/28	11:30	Watch	Postconstruction	1	None	10	0	90	NO	Good	Bollard cap/welding/backfill
C3521	09/28	12:00	Watch	Postconstruction	1	None	10	0	90	NO	Good	Welding bollard cap
C3522	09/28	12:30	Watch	Postconstruction	1	None	10	0	95	NO	Good	Welding bollard cap
C3523	09/28	13:00	Break	Postconstruction	1	None	10	0	95	NO	Good	Break
C3524	09/28	15:00	Start	Postconstruction	1	None	10	0	100	NO	Good	Backfill
C3525	09/28	15:30	Watch	Postconstruction	1	None	10	0	100	NO	Good	Backfill
C3526	09/28	16:00	Watch	Postconstruction	1	None	10	0	100	NO	Good	Backfill
C3527	09/28	16:30	Watch	Postconstruction	1	None	10	0	100	NO	Good	Backfill
C3528	09/28	17:00	Watch	Postconstruction	1	None	10	0	100	NO	Good	Backfill
C3529	09/28	17:30	Watch	Postconstruction	1	None	10	0	100	NO	Good	Backfill
C3530	09/28	18:00	Watch	Postconstruction	1	None	10	0	100	NO	Good	Backfill
C3531	09/28	18:30	Watch	Postconstruction	1	None	10	0	100	NO	Good	Backfill
C3532	09/28	19:00	End	Postconstruction	1	None	10	0	100	NO	Good	Backfill
C3533	09/29	9:00	Start	Postconstruction	1	None	6	0	100	LTRN	Good	Moving dirt
C3534	09/29	9:30	Watch	Postconstruction	1	None	3	0	100	LTRN	Good	Moving dirt
C3535	09/29	10:00	Watch	Postconstruction	1	None	3	0	100	LTRN	Good	Moving dirt

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C3536	09/29	10:30	Watch	Postconstruction	1	None	7	0	100	NO	Good	Backfill ops
C3537	09/29	11:00	Watch	Postconstruction	1	None	7	0	100	NO	Good	Backfill ops
C3538	09/29	11:30	Watch	Postconstruction	1	None	7	0	100	NO	Good	Backfill ops
C3539	09/29	12:00	Watch	Postconstruction	1	None	7	0	100	NO	Good	
C3540	09/29	12:30	Watch	Postconstruction	1	None	7	0	100	DR	Good	
C3541	09/29	13:00	Break	Postconstruction	1	None	7	0	100	DR	Good	Backfill ops
C3542	09/29	15:00	Start	Postconstruction	1	None	1	0	100	LTRN	Fair	Compacting
C3543	09/29	15:30	Watch	Postconstruction	1	None	1	0	100	LTRN	Fair	Backfill ops / compacting
C3544	09/29	16:00	Watch	Postconstruction	1	None	1	0	100	LTRN	Fair	Backfill ops
C3545	09/29	16:30	Watch	Postconstruction	1	None	Variable	5	95	LTRN	Fair	Vis 3 km to east; 10 km to west. Compacting
C3546	09/29	17:00	Watch	Postconstruction	1	None	8	0	95	LTRN	Good	Compacting
C3547	09/29	17:30	Watch	Postconstruction	1	None	8	0	95	NO	Good	Compacting
C3548	09/29	18:00	Watch	Postconstruction	1	None	8	0	100	NO	Good	Steamrolling
C3549	09/29	18:30	Watch	Postconstruction	1	None	9	0	100	LTRN	Good	Moving equipment
C3550	09/29	19:00	End	Postconstruction	1	None	9	0	100	NO	Good	Steamroller over several areas
C3551	09/30	9:00	Start	Postconstruction	1	None	10	0	5	NO	Good	
C3552	09/30	9:30	Watch	Postconstruction	2	Light	10	0	0	NO	Good	Moving equipment
C3553	09/30	10:00	Watch	Postconstruction	2	Light	10	0	0	NO	Good	Moving equipment. Chop on water.
C3554	09/30	10:30	Watch	Postconstruction	3	Light	10	0	0	NO	Good	Moving equipment. Whitecaps.
C3555	09/30	11:00	Watch	Postconstruction	3	Light	10	0	0	NO	Good	Moving equipment. Chop on water.
C3556	09/30	11:30	Watch	Postconstruction	3	Light	10	0	0	NO	Good	Moving equipment.
C3557	09/30	12:00	Watch	Postconstruction	3	Light	10	0	0	NO	Good	Piling set on sheet wall
C3558	09/30	12:30	Watch	Postconstruction	3	Light	10	0	0	NO	Good	
C3559	09/30	13:00	Break	Postconstruction	3	Light	10	0	0	NO	Good	Break
C3560	09/30	15:00	Start	Postconstruction	2	Light	10	0	80	NO	Good	Backfill ops
C3561	09/30	15:30	Watch	Postconstruction	2	Light	10	0	80	NO	Good	Moving equipment
C3562	09/30	16:00	Watch	Postconstruction	2	Light	10	0	80	NO	Good	Moving equipment
C3563	09/30	16:30	Watch	Postconstruction	2	Light	10	0	80	NO	Good	Digging trench for pipe on dock
C3564	09/30	17:00	Watch	Postconstruction	2	Light	10	0	90	NO	Good	Digging trench for pipe on dock
C3565	09/30	17:30	Watch	Postconstruction	2	Light	10	0	90	NO	Good	Digging trench for pipe on dock
C3566	09/30	18:00	Watch	Postconstruction	1	None	10	0	100	NO	Excel	Moving equipment
C3567	09/30	18:30	Watch	Postconstruction	1	None	10	0	100	NO	Excel	Moving equipment
C3568	09/30	19:00	End	Postconstruction	1	None	10	0	100	NO	Excel	

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C3569	10/01	9:00	Start	Postconstruction	2	Light	10	0	70	NO	Good	
C3570	10/01	9:30	Watch	Postconstruction	2	Light	10	0	70	NO	Good	Moving equipment
C3571	10/01	10:00	Watch	Postconstruction	2	Light	10	0	70	NO	Good	Welding/ cutting from basket over water
C3572	10/01	10:30	Watch	Postconstruction	2	Light	10	0	60	NO	Good	Welding/ cutting from basket over water
C3573	10/01	11:00	Watch	Postconstruction	2	Light	10	0	60	NO	Good	Moving equipment
C3574	10/01	11:30	Watch	Postconstruction	2	Light	10	0	60	NO	Good	Moving equipment
C3575	10/01	12:00	Watch	Postconstruction	2	Light	10	0	60	NO	Good	
C3576	10/01	12:30	Watch	Postconstruction	2	Light	10	0	60	NO	Good	
C3577	10/01	13:00	Break	Postconstruction	2	Light	10	0	60	NO	Good	Break.
C3578	10/01	15:00	Start	Postconstruction	2	Light	10	0	90	NO	Good	Moving equipment
C3579	10/01	15:30	Watch	Postconstruction	2	Light	10	0	90	LTRN	Good	Welding tire mounts in basket over water.
C3580	10/01	16:00	Watch	Postconstruction	2	Light	10	0	95	NO	Good	Welding tire mounts in basket over water.
C3581	10/01	16:30	Watch	Postconstruction	2	Light	10	0	100	LTRN	Good	Welding tire mounts in basket over water.
C3582	10/01	17:00	Watch	Postconstruction	2	Light	10	0	100	LTRN	Good	Welding tire mounts in basket over water.
C3583	10/01	17:30	Watch	Postconstruction	2	Light	10	0	100	NO	Good	
C3584	10/01	18:00	Watch	Postconstruction	2	None	10	0	100	NO	Good	Welding tire mounts in basket over water.
C3585	10/01	18:30	Watch	Postconstruction	1	None	10	0	100	NO	Good	Welding tire mounts in basket over water.
C3586	10/01	19:00	End	Postconstruction	1	None	10	0	95	NO	Good	Welding tire mounts in basket over water.
C3587	10/02	9:00	Start	Postconstruction	2	None	10	0	100	NO	Good	Moving equipment
C3588	10/02	9:30	Watch	Postconstruction	2	None	10	0	100	NO	Good	Large landing craft at beach loading equipment
C3589	10/02	10:00	Watch	Postconstruction	3	Light	10	0	100	NO	Good	Moving equipment; crane lowering tire over water
C3590	10/02	10:30	Watch	Postconstruction	3	Light	10	0	100	NO	Good	Hanging tire over water
C3591	10/02	11:00	Watch	Postconstruction	3	Light	10	0	100	NO	Good	Moving equipment / welder
C3592	10/02	11:30	Watch	Postconstruction	3	Light	10	0	100	NO	Good	Welder over water in basket
C3593	10/02	12:00	Watch	Postconstruction	3	Light	10	0	100	NO	Good	Welder over water in basket
C3594	10/02	12:30	Watch	Postconstruction	2	Light	10	0	100	LTRN	Good	
C3595	10/02	13:00	Break	Postconstruction	2	Light	10	0	100	NO	Good	Break
C3596	10/02	15:00	Start	Postconstruction	2	None	10	0	100	NO	Good	Small backhoe moving dirt
C3597	10/02	15:30	Watch	Postconstruction	2	Light	10	0	100	LTRN	Good	Small backhoe moving dirt
C3598	10/02	16:00	Watch	Postconstruction	2	Light	10	0	100	LTRN	Good	Small backhoe moving dirt
C3599	10/02	16:30	Watch	Postconstruction	3	Light	5	0	100	LTRN	Good	Cutting sheets
C3600	10/02	17:00	Watch	Postconstruction	2	Light	5	0	100	LTRN	Good	Cutting sheets
C3601	10/02	17:30	Watch	Postconstruction	2	Light	5	0	100	LTRN	Good	Backfill in 1; cutting in 3

Effort ID	Date	Time	Watch	Activity	Sea State	Wave Height	Visible (km)	% Glare	% Cloud Cover	Precip	Sightability	Notes
C3602	10/02	18:00	Watch	Postconstruction	2	Light	6	0	100	LTRN	Good	Cutting sheets
C3603	10/02	18:30	Watch	Postconstruction	1	None	9	0	100	NO	Good	Steamroller in multiple areas
C3604	10/02	19:00	End	Postconstruction	1	None	10	0	100	NO	Good	Cutting sheets
C3605	10/03	9:00	Start	Postconstruction	1	None	6	0	100	LTRN	Good	Sheet cutting
C3606	10/03	9:30	Watch	Postconstruction	1	None	6	0	100	LTRN	Good	Sheet cutting / ladder install
C3607	10/03	10:00	Watch	Postconstruction	1	None	7	0	100	LTRN	Good	Sheet cutting / ladder install
C3608	10/03	10:30	Watch	Postconstruction	1	None	6	0	100	LTRN	Good	Ladder install
C3609	10/03	11:00	Watch	Postconstruction	1	None	6	0	100	NO	Good	Ladder install
C3610	10/03	11:30	Watch	Postconstruction	1	None	10	0	90	NO	Good	Ladder install
C3611	10/03	12:00	Watch	Postconstruction	1	None	10	0	90	NO	Good	
C3612	10/03	12:30	Watch	Postconstruction	1	None	10	0	95	NO	Good	
C3613	10/03	13:00	Break	Postconstruction	1	None	10	0	95	NO	Good	
C3614	10/03	15:00	Start	Postconstruction	1	None	10	0	100	NO	Good	Ladder install
C3615	10/03	15:30	Watch	Postconstruction	1	None	10	0	100	LTRN	Good	Ladder install
C3616	10/03	16:00	Watch	Postconstruction	1	None	10	0	100	LTRN	Good	Ladder install
C3617	10/03	16:30	Watch	Postconstruction	1	None	10	0	100	NO	Good	Sheet cutting
C3618	10/03	17:00	Watch	Postconstruction	1	None	10	0	100	NO	Good	Final ladder install
C3619	10/03	17:30	Watch	Postconstruction	1	None	10	0	100	NO	Good	Final ladder install / sheet cutting
C3620	10/03	18:00	Watch	Postconstruction	1	None	10	0	100	LTRN	Good	Final ladder install / sheet cutting
C3621	10/03	18:30	Watch	Postconstruction	1	None	10	0	100	NO	Good	Final ladder install
C3622	10/03	19:00	End	Postconstruction	1	None	10	0	100	NO	Good	Moving equipment; End of 7-day post-construction survey.

Appendix C. Stranding Reports

MARINE MAMMAL STRANDING REPORT - LEVEL A DATA

FIELD # _____ NMFS REGIONAL # _____ NATIONAL DATABASES _____
 (NMFS USE) (NMFS USE)
 COMMON NAME Bearded Seal GENUS _____ SPECIES _____
 EXAMINER Name Kelsey Stone Affiliation Fairweather Science
 Address _____ Phone 416-434-1755 or 907-412-3829
 Stranding Agreement or Authority _____

Report Type: ☐ Stranding ☐ Live entangled, in-water CONFIDENCE CODE (Check ONE) ☐ Unconfirmed Public Report ☐ Confirmed Public Report ☐ Confirmed by Network

INITIAL OBSERVATION <input checked="" type="checkbox"/> Same Information for Level A Examination DATE: Year <u>2020</u> Month <u>July</u> Day <u>09</u> First Observed: <input type="checkbox"/> Beach/Land/ice <input checked="" type="checkbox"/> Floating <input type="checkbox"/> Swimming <input type="checkbox"/> Anchored LOCATION: State <u>AK</u> County _____ City <u>KOTLERVE</u> Body of Water <u>Kotikove Sound</u> Locality Details _____ Lat (DD): <u>46</u> <u>39</u> <u>30</u> N Long (DD): <u>14</u> <u>5</u> <u>19</u> W <input checked="" type="checkbox"/> Actual <input type="checkbox"/> Estimated How Determined (check ONE) <input checked="" type="checkbox"/> GPS <input type="checkbox"/> Map <input type="checkbox"/> Internet/Software <input type="checkbox"/> Other _____ CONDITION AT INITIAL OBSERVATION (Check ONE) <input type="checkbox"/> 1. Alive <input type="checkbox"/> 4. Advanced Decomposition <input checked="" type="checkbox"/> 2. Fresh Dead <input type="checkbox"/> 5. Mummified/Skeletal <input type="checkbox"/> 3. Moderate Decomposition <input type="checkbox"/> 6. Condition Unknown	LEVEL A EXAMINATION Examined? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO DATE: Year _____ Month _____ Day _____ First Examined: <input type="checkbox"/> Beach/Land/ice <input type="checkbox"/> Floating <input type="checkbox"/> Swimming <input type="checkbox"/> Anchored LOCATION: State _____ County _____ City _____ Body of Water _____ Locality Details _____ Lat (DD): _____ N Long (DD): _____ W <input type="checkbox"/> Actual <input type="checkbox"/> Estimated How Determined (check ONE) <input type="checkbox"/> GPS <input type="checkbox"/> Map <input type="checkbox"/> Internet/Software <input type="checkbox"/> Other _____ CONDITION AT EXAMINATION (Check ONE) <input type="checkbox"/> 1. Alive <input type="checkbox"/> 4. Advanced Decomposition <input type="checkbox"/> 2. Fresh Dead <input type="checkbox"/> 5. Mummified/Skeletal <input type="checkbox"/> 3. Moderate Decomposition
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LIVE ANIMAL INFORMATION INITIAL LIVE ANIMAL DISPOSITION (Check one or more) <input type="checkbox"/> 1. Left at Site <input type="checkbox"/> 5. Dead at Site <input type="checkbox"/> 2. Immediate Release at Site <input type="checkbox"/> 6. Died during Transport <input type="checkbox"/> 3. Relocated and Released <input type="checkbox"/> 7. Euthanized <input type="checkbox"/> 4. Disentangled <input type="checkbox"/> 8. Transferred to Rehabilitation <input type="checkbox"/> a. Partially <input type="checkbox"/> b. Completely Date: Year _____ Month _____ Day _____ Facility _____ <input type="checkbox"/> 9. Other _____ CONDITION DETERMINATION (Check one or more) <input type="checkbox"/> 1. Sick <input type="checkbox"/> 7. Location Hazardous <input type="checkbox"/> 2. Injured <input type="checkbox"/> a. To animal <input type="checkbox"/> 3. Out of Habitat <input type="checkbox"/> b. To public <input type="checkbox"/> 4. Deemed Releaseable <input type="checkbox"/> 8. Unknown/CBO <input type="checkbox"/> 5. Abandoned/Orphaned <input type="checkbox"/> 9. No Rehabilitation Options <input type="checkbox"/> 6. Inaccessible <input type="checkbox"/> 10. Other _____	DEAD ANIMAL INFORMATION CARCASS STATUS (Check one or more) <input type="checkbox"/> 1. Frozen for Later Examination/Neurology Pending <input checked="" type="checkbox"/> 2. Left at Site <input type="checkbox"/> 5. Landfill <input checked="" type="checkbox"/> 6. Towed Lat _____ Long _____ <input type="checkbox"/> 3. Buried <input type="checkbox"/> 8. Incinerated <input type="checkbox"/> 9. Sunk Lat _____ Long _____ <input type="checkbox"/> 4. Rendered <input type="checkbox"/> 7. Composted <input type="checkbox"/> 10. Unknown/Other _____ NECROPSIED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Limited <input type="checkbox"/> Complete <input type="checkbox"/> Carcass Fresh <input type="checkbox"/> Carcass Frozen/Thawed CARCASS CODE AT NECROPSY <input type="checkbox"/> Code 2 <input type="checkbox"/> Code 3 <input type="checkbox"/> Code 4 NECROPSIED BY: _____ Date: Year _____ Month _____ Day _____ PHOTOS/VIDEOS TAKEN: <input type="checkbox"/> YES <input type="checkbox"/> NO Photo/Video Disposition: _____
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MORPHOLOGICAL INFORMATION SEX (Check ONE) ESTIMATED AGE CLASS (Check ONE) <input type="checkbox"/> 1. Male <input type="checkbox"/> 1. Adult <input checked="" type="checkbox"/> a. Pup/Calf <input type="checkbox"/> 2. Female <input type="checkbox"/> 2. Subadult <input type="checkbox"/> 5. Unknown <input checked="" type="checkbox"/> 3. Unknown <input type="checkbox"/> 3. Yearling <input checked="" type="checkbox"/> Whole Animal <input type="checkbox"/> Partial Animal Straight Length <u>310</u> cm <input checked="" type="checkbox"/> in <input type="checkbox"/> Actual <input checked="" type="checkbox"/> Estimated <input type="checkbox"/> Not Measured Weight _____ kg <input type="checkbox"/> lb <input type="checkbox"/> Actual <input type="checkbox"/> Estimated <input checked="" type="checkbox"/> Not Weighed SAMPLES COLLECTED (Check one or more) <input type="checkbox"/> 1. Histology <input type="checkbox"/> 2. Other Diagnostics <input type="checkbox"/> 3. Life History <input type="checkbox"/> 4. Skeletal <input type="checkbox"/> 4. Other _____ PARTS TRACKING (Check one or more) <input type="checkbox"/> 1. Scientific Collection <input type="checkbox"/> 2. Educational Collection <input type="checkbox"/> 3. Other _____	OCCURRENCE DETAILS <input type="checkbox"/> Resound GEAR _____ (NMFS Use) Group Event: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If Yes, Type: <input type="checkbox"/> Cow/Calf Pair <input type="checkbox"/> Mass Stranding <input type="checkbox"/> UME # Animals _____ <input type="checkbox"/> Actual <input type="checkbox"/> Estimated Was the Marine Mammal Human Interaction Report completed? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Findings of Human Interaction: <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Could Not Be Determined (CBO) Evidence of: 1. Vessel Interaction <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> CBO 2. Shot <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> CBO 3. Fishery Interaction <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> CBO 4. Ingestion <input type="checkbox"/> GEAR <input type="checkbox"/> DEBRIS <input type="checkbox"/> NO <input type="checkbox"/> CBO 5. Other Human Interaction _____ If YES, what was the likelihood that the human interaction contributed to the stranding event? <input type="checkbox"/> Uncertain (CBO) <input type="checkbox"/> Improbable <input type="checkbox"/> Suspect <input type="checkbox"/> Probable Gear/Net Remains Collected? <input type="checkbox"/> YES <input type="checkbox"/> NO Gear Disposition: _____ Other Findings Upon Level A: <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Could Not Be Determined (CBO) If Yes, Choose one or more: <input type="checkbox"/> 1. Stress <input type="checkbox"/> 2. Injury <input type="checkbox"/> 3. Pregnant <input type="checkbox"/> 4. Other _____ How Determined (Check one or more) <input type="checkbox"/> External Exam <input type="checkbox"/> Internal Exam <input type="checkbox"/> Necropsy <input type="checkbox"/> Other _____
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TAG DATA

Tags Were:

Present at Time of Stranding (Pre-existing):
 Applied during Stranding Response/Release:
 Applied during Rehabilitation/Release:
 Absent but Suspect Prior Tag:

☐ YES ☐ NO
☐ YES ☐ NO
☐ YES ☐ NO
☐ YES ☐ NO

ID#	Color	Type	Placement*	Applied	Present	Removed
			(Circle Color) D DF L R LF LR RF RR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			D DF L R LF LR RF RR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			D DF L R LF LR RF RR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

* D= Dorsal; DF= Dorsal Fin; L= Left Lateral Body; R= Right Lateral Body; LF= Left Front; LR= Left Rear; RF= Right Front; RR= Right Rear

ADDITIONAL IDENTIFIER: _____ (If animal is restranded, please indicate any previous field numbers here)

ADDITIONAL REMARKS:

During PSD observations a seal pup carcass floated with the current past Fairweather Science observers on watch in Kotzebue, AK. The conditions were rough (B35), so photographs were not very clear. The head of the animal was mostly submerged but white tissue could be seen on the head subsurface. The body was in good condition other than some red around the left flipper where the flipper meets the body. It was either bleed or bruising. Additionally, there were a few circular white lesions on the left body. It was floating on the side, so right body was not seen. Appeared fresh dead - fur not bleached, no obvious decomposition. 75% sure species was a bearded seal pup. Carcass was observed at 10:15 am and floated out of sight with the tide at 10:18 am.

- Additionally a few minutes later a moderately decomposed (yellowed) pair of bearded seal flippers (from an adult) floated by. Our local Kotzebue PSD confirmed they were cut and discarded in the style of subsistence fishing.

DISCLAIMER

THESE DATA SHOULD NOT BE USED OUT OF CONTEXT OR WITHOUT VERIFICATION. THIS SHOULD BE STRICTLY ENFORCED WHEN REPORTING SIGNS OF HUMAN INTERACTION DATA.

DATA ACCESS FOR LEVEL A DATA

UPON WRITTEN REQUEST, CERTAIN FIELDS OF THE LEVEL A DATA SHEET WILL BE RELEASED TO THE REQUESTOR PROVIDED THAT THE REQUESTOR CREDIT THE STRANDING NETWORK AND THE NATIONAL MARINE FISHERIES SERVICE. THE NATIONAL MARINE FISHERIES SERVICE WILL NOTIFY THE CONTRIBUTING STRANDING NETWORK MEMBERS THAT THESE DATA HAVE BEEN REQUESTED AND THE INTENT OF USE. ALL OTHER DATA WILL BE RELEASED TO THE REQUESTOR PROVIDED THAT THE REQUESTOR OBTAIN PERMISSION FROM THE CONTRIBUTING STRANDING NETWORK AND THE NATIONAL MARINE FISHERIES SERVICE.

PAPERWORK REDUCTION ACT INFORMATION

PUBLIC REPORTING BURDEN FOR THE COLLECTION OF INFORMATION IS ESTIMATED TO AVERAGE 30 MINUTES PER RESPONSE, INCLUDING THE TIME FOR REVIEWING INSTRUCTIONS, SEARCHING EXISTING DATA SOURCES, GATHERING AND MAINTAINING THE DATA NEEDED, AND COMPLETING AND REVIEWING THE COLLECTION OF INFORMATION. SEND COMMENTS REGARDING THIS BURDEN ESTIMATE OR ANY OTHER ASPECT OF THE COLLECTION INFORMATION, INCLUDING SUGGESTIONS FOR REDUCING THE BURDEN TO: CHIEF, MARINE MAMMAL AND SEA TURTLE CONSERVATION DIVISION, OFFICE OF PROTECTED RESOURCES, NOAA FISHERIES, 1315 EAST-WEST HIGHWAY, SILVER SPRING, MARYLAND 20910. NOT WITHSTANDING ANY OTHER PROVISION OF THE LAW, NO PERSON IS REQUIRED TO RESPOND, NOR SHALL ANY PERSON BE SUBJECT TO A PENALTY FOR FAILURE TO COMPLY WITH, A COLLECTION OF INFORMATION SUBJECT TO THE REQUIREMENTS OF THE PAPERWORK REDUCTION ACT, UNLESS THE COLLECTION OF INFORMATION DISPLAYS A CURRENTLY VALID OFFICE OF MANAGEMENT AND BUDGET (OMB) CONTROL NUMBER.



MARINE MAMMAL STRANDING REPORT - LEVEL A DATA

FIELD #: _____ NMFS REGIONAL #: _____ NATIONAL DATABASE#: _____
(NMFS USE) (NMFS USE)

COMMON NAME: Spotted seal GENUS: Phoca SPECIES: largha

EXAMINER Name: Felipe Triana Affiliation: _____

Address: _____ Phone: 907-412-3815

Stranding Agreement or Authority: _____

Report Type: ☒ Stranding ☐ Live entangled, in-water CONFIDENCE CODE (Check ONE): ☐ Unconfirmed Public Report ☐ Confirmed Public Report ☐ Confirmed by Network

<p>INITIAL OBSERVATION <input type="checkbox"/> Same Information for Level A Examination</p> <p>DATE: Year: <u>2020</u> Month: <u>August</u> Day: <u>04</u></p> <p>First Observed: <input type="checkbox"/> Beach/Land/Ice <input type="checkbox"/> Floating <input type="checkbox"/> Swimming <input type="checkbox"/> Anchored</p> <p>LOCATION: State: <u>AK</u> County: _____ City: <u>Kotzebue</u></p> <p>Body of Water: <u>Kotzebue</u></p> <p>Locality Details: _____</p> <p>Lat (DD): <u>66</u> <u>90376</u> <u>N</u></p> <p>Long (DD): <u>-162</u> <u>58429</u> <u>W</u></p> <p><input type="checkbox"/> Actual <input type="checkbox"/> Estimated</p> <p>How Determined: (check ONE)</p> <p><input checked="" type="checkbox"/> GPS <input type="checkbox"/> Map <input type="checkbox"/> Internet/Software <input type="checkbox"/> Other _____</p> <p>CONDITION AT INITIAL OBSERVATION (Check ONE)</p> <p><input type="checkbox"/> 1. Alive <input type="checkbox"/> 4. Advanced Decomposition</p> <p><input type="checkbox"/> 2. Fresh Dead <input type="checkbox"/> 5. Mummified/Skeletal</p> <p><input checked="" type="checkbox"/> 3. Moderate Decomposition <input type="checkbox"/> 6. Condition Unknown</p>	<p>LEVEL A EXAMINATION Examined? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>DATE: Year: _____ Month: _____ Day: _____</p> <p>First Examined: <input type="checkbox"/> Beach/Land/Ice <input type="checkbox"/> Floating <input type="checkbox"/> Swimming <input type="checkbox"/> Anchored</p> <p>LOCATION: State: _____ County: _____ City: _____</p> <p>Body of Water: _____</p> <p>Locality Details: _____</p> <p>Lat (DD): _____ <u>N</u></p> <p>Long (DD): _____ <u>W</u></p> <p><input type="checkbox"/> Actual <input type="checkbox"/> Estimated</p> <p>How Determined: (check ONE)</p> <p><input type="checkbox"/> GPS <input type="checkbox"/> Map <input type="checkbox"/> Internet/Software <input type="checkbox"/> Other _____</p> <p>CONDITION AT EXAMINATION (Check ONE)</p> <p><input type="checkbox"/> 1. Alive <input type="checkbox"/> 4. Advanced Decomposition</p> <p><input type="checkbox"/> 2. Fresh Dead <input type="checkbox"/> 5. Mummified/Skeletal</p> <p><input type="checkbox"/> 3. Moderate Decomposition</p>
<p>LIVE ANIMAL INFORMATION</p> <p>INITIAL LIVE ANIMAL DISPOSITION (Check one or more)</p> <p><input type="checkbox"/> 1. Left at Site <input type="checkbox"/> 5. Died at Site</p> <p><input type="checkbox"/> 2. Immediate Release at Site <input type="checkbox"/> 6. Died during Transport</p> <p><input type="checkbox"/> 3. Relocated and Released <input type="checkbox"/> 7. Euthanized</p> <p><input type="checkbox"/> 4. Disentangled <input type="checkbox"/> 8. Transferred to Rehabilitation:</p> <p><input type="checkbox"/> a. Partially <input type="checkbox"/> b. Completely</p> <p>Date: Year: _____ Month: _____ Day: _____</p> <p>Facility: _____</p> <p><input type="checkbox"/> 9. Other: _____</p> <p>CONDITION/DETERMINATION (Check one or more)</p> <p><input type="checkbox"/> 1. Sick <input type="checkbox"/> 7. Location Hazardous</p> <p><input type="checkbox"/> 2. Injured <input type="checkbox"/> a. To animal</p> <p><input type="checkbox"/> 3. Out of Habitat <input type="checkbox"/> b. To public</p> <p><input type="checkbox"/> 4. Deemed Releasable <input type="checkbox"/> 8. Unknown/CBD</p> <p><input type="checkbox"/> 5. Abandoned/Orphaned <input type="checkbox"/> 9. No Rehabilitation Options</p> <p><input type="checkbox"/> 6. Inaccessible <input type="checkbox"/> 10. Other: _____</p>	<p>DEAD ANIMAL INFORMATION</p> <p>CARCASS STATUS (Check one or more)</p> <p><input type="checkbox"/> 1. Frozen for Later Examination/Necropsy Pending</p> <p><input checked="" type="checkbox"/> 2. Left at Site <input type="checkbox"/> 5. Landfill <input type="checkbox"/> 8. Towed: Lat _____ Long _____</p> <p><input type="checkbox"/> 3. Buried <input type="checkbox"/> 6. Incinerated <input type="checkbox"/> 9. Sunk: Lat _____ Long _____</p> <p><input type="checkbox"/> 4. Rendered <input type="checkbox"/> 7. Composted <input type="checkbox"/> 10. Unknown/Other _____</p> <p>NECROPSIED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Limited <input type="checkbox"/> Complete</p> <p><input type="checkbox"/> Carcass Fresh <input type="checkbox"/> Carcass Frozen/Thawed</p> <p>CARCASS CODE AT NECROPSY <input type="checkbox"/> Code 2 <input type="checkbox"/> Code 3 <input type="checkbox"/> Code 4</p> <p>NECROPSIED BY: _____</p> <p>Date: Year: _____ Month: _____ Day: _____</p> <hr/> <p>PHOTOS/VIDEOS TAKEN: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>Photo/Video Disposition: _____</p>
<p>MORPHOLOGICAL INFORMATION</p> <p>SEX (Check ONE) ESTIMATED AGE CLASS (Check ONE)</p> <p><input type="checkbox"/> 1. Male <input checked="" type="checkbox"/> 1. Adult <input type="checkbox"/> 4. Pup/Calf</p> <p><input type="checkbox"/> 2. Female <input type="checkbox"/> 2. Subadult <input type="checkbox"/> 5. Unknown</p> <p><input checked="" type="checkbox"/> 3. Unknown <input type="checkbox"/> 3. Yearling</p> <p><input type="checkbox"/> Whole Animal <input type="checkbox"/> Partial Animal</p> <p>Straight Length: _____ <input type="checkbox"/> cm <input type="checkbox"/> in</p> <p><input type="checkbox"/> Actual <input type="checkbox"/> Estimated <input checked="" type="checkbox"/> Not Measured</p> <p>Weight: _____ <input type="checkbox"/> kg <input type="checkbox"/> lb</p> <p><input type="checkbox"/> Actual <input type="checkbox"/> Estimated <input checked="" type="checkbox"/> Not Weighed</p> <p>SAMPLES COLLECTED (Check one or more)</p> <p><input type="checkbox"/> 1. Histology <input type="checkbox"/> 2. Other Diagnostics <input type="checkbox"/> 3. Life History</p> <p><input type="checkbox"/> 4. Skeletal <input type="checkbox"/> 4. Other _____</p> <p>PARTS TRACKING (Check one or more)</p> <p><input type="checkbox"/> 1. Scientific Collection <input type="checkbox"/> 2. Educational Collection</p> <p><input type="checkbox"/> 3. Other: _____</p>	<p>OCCURRENCE DETAILS <input type="checkbox"/> Restrand GE# _____ (NMFS Use)</p> <p>Group Event: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p>If Yes, Type: <input type="checkbox"/> Cow/Calf Pair <input type="checkbox"/> Mass Stranding <input type="checkbox"/> UME # Animals: _____ <input type="checkbox"/> Actual <input type="checkbox"/> Estimated</p> <p>Was the Marine Mammal Human Interaction Report completed? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p>Findings of Human Interaction: <input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Could Not Be Determined (CBD)</p> <p>Evidence of:</p> <p>1. Vessel Interaction <input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> CBD</p> <p>2. Shot <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> CBD</p> <p>3. Fishery Interaction <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> CBD</p> <p>4. Ingestion <input type="checkbox"/> GEAR <input type="checkbox"/> DEBRIS <input type="checkbox"/> NO <input checked="" type="checkbox"/> CBD</p> <p>5. Other Human Interaction: _____</p> <p>If YES, what was the likelihood that the human interaction contributed to the stranding event?</p> <p><input type="checkbox"/> Uncertain (CBD) <input type="checkbox"/> Improbable <input type="checkbox"/> Suspect <input type="checkbox"/> Probable</p> <p>Gear/HI Items Collected? <input type="checkbox"/> YES <input type="checkbox"/> NO Gear Disposition: _____</p> <p>Other Findings Upon Level A: <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Could Not Be Determined (CBD)</p> <p>If Yes, Choose one or more: <input type="checkbox"/> 1. Illness <input type="checkbox"/> 2. Injury <input type="checkbox"/> 3. Pregnant <input type="checkbox"/> 4. Other: _____</p> <p>How Determined (Check one or more): <input type="checkbox"/> External Exam <input type="checkbox"/> Internal Exam <input type="checkbox"/> Necropsy</p> <p><input type="checkbox"/> Other: _____</p>

