



3D Marine Seismic Survey

PSO Monthly Report
Marine Seismic Survey
EPI Report No. E1671-1

Client	ExxonMobil
Area	Gulf of Mexico
Survey	High Island and Galveston 3D Survey
Contract No	BOEM REF# Ancillary Activities Plan A-00033
Dates	28 September through 07 December 2023
Contractor	Fugro, TGS
Vessel	Fugro Brasilis

Executive Summary

This report covers the period from 28 September - 07 December 2023. During this reporting timeframe, one protected species observer (PSO) was on board the Fugro Brasilis and three PSOs were onboard either the Go Freedom (28 September through 12 October) or Fugro Enterprise (13 October – 10 November) to conduct visual observations for marine mammals and sea turtles. All four PSOs were stationed on the Fugro Brasilis from 11 November until project completion on 07 December.

The PSOs were approved for the survey by the Bureau of Ocean Energy Management (BOEM) and the National Marine Fisheries Service (NMFS) and have previous survey experience. The Fugro Brasilis served as the survey vessel, while the Go Freedom and the Fugro Enterprise served as the PSO/chase vessel. The PSO/chase vessel remained 600 m from the stern of the Fugro Brasilis during all source activity and for a minimum of 30 minutes prior to the activation of the source. The Fugro Brasilis completed deployment and commenced source testing in box 2 of the ExxonMobil High Island and Galveston lease areas on 20 October 2023. Source testing was completed on 29 October 2023 and the vessel transitioned into data acquisition on the same day. All but five infills in box 2 were completed by 09 November 2023. Acquisition in box 4 commenced on 15 November 2023 and continued through December.

The Fugro Brasilis completed 3D data acquisition in box 4 and box 2 of the High Island and Galveston lease areas on 06 December 2023. All survey equipment was recovered and secured to deck by 07 December 2023, with the Fugro Brasilis arriving at the Port of Galveston for demobilization on the same day.

During this reporting period survey lines and streamer maintenance were conducted. Please refer to **Appendix 1** for details on PSO effort data and **Table 1** for a report overview.

Table 1.

REPORT OVERVIEW
BOEM REF# Ancillary Activities Plan A-00033
Source Specs; Sercel G-Gun, dual source 120 cu. In. (flip flop)
There were 30 survey days between 28 September - 07 December 2023.
Visual observation time totalled 607:31
The total number of airgun sequences (attempts at or full finish of line) was 231.
Airguns were active for a total of 417:47 for the duration of this reporting period (218:51 during daylight with visual observations).
There were 145 visual detections during the reporting period.
There were 3 mitigation actions required for this reporting period.
There were zero non-compliance issues.

PSO MONITORING EFFORT

During this reporting period, the PSOs maintained watch from the bridge, bridge wings, and forecastle decks, where a 360-degree view of the exclusion zone was best achieved. Visual observations for protected species were conducted during daylight hours, from 30 minutes before sunrise to 30 minutes after sunset. The PSOs completed 607 hours 31 minutes of visual observation effort, of which the source was active for 218 hours 51 minutes. **Figure 1** illustrates the periods where visual monitoring was conducted while the source was active and inactive. All PSO visual monitoring effort data are provided in **Appendix 1**.

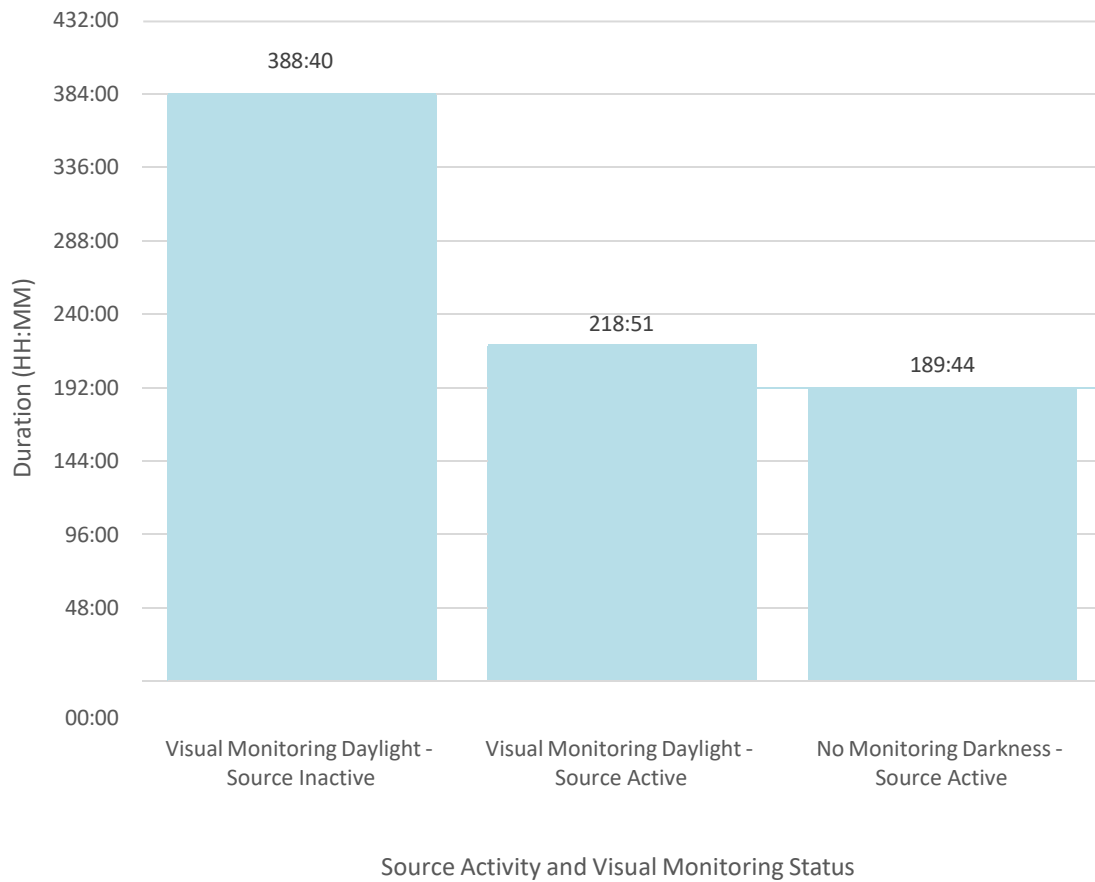


Figure 1. Source activity during daylight (with visual monitoring) and darkness.

MARINE MAMMAL AND SEA TURTLE DETECTIONS

The PSOs recorded a total of 145 protected species detections, including 141 bottlenose dolphin (*Tursiops truncatus*) detections, three unidentified dolphin detections, and one loggerhead sea turtle (*Caretta caretta*) detection. PSOs on the Fugro Brasilis and Fugro Enterprise had three concurrent detections of bottlenose dolphins. The source was active during 16 (11%) of the 148 detections. Of the total 148 marine mammal detections, 92 were group detections and 22 group detections occurred during an active source. There were 34 detections of individual marine mammals and 6 of those detections were during an active source. Visual detection of marine mammals occurred at a rate of approximately 1 every 4 hours and 6 minutes of observation. **Table 2** provides a list of all protected species detections recorded during the reporting period. In depth detection details are provided in **Appendix 1**.

Fugro Brasilis Detections

Detection 1, 10/9/2023: On October 09, 2023, 13:04 UTC was the first sighting at 200 m off portside side of vessel, a pod of 3 Bottlenose dolphins surfaced in a slow travel and approached voluntarily to the vessel with a 260° heading, the animals were surfacing and swimming below the surface, at 14:24 UTC the individuals continued around the vessel jumping and surfacing in variable direction relative to the vessel, 15:27 UTC the dolphins crossed perpendicular ahead of vessel with a NW heading; a total of 3 individuals were spotted (2 adults and 1 calf). At 16:35 UTC the dolphins were spotted leaving the area swimming and jumping out of the water with a 350° heading, no mitigation action was necessary due the animals approached voluntarily to the vessel and no equipment was deployed.

Detection 2, 10/10/2023: On October 10, 2023, 12:49 UTC two bottlenose dolphins were spotted at 200 meters from starboard side of the vessel surfacing and in a slow travel crossing perpendicular ahead vessel from starboard side to portside with a 70° heading respect to the true north, the animals were surfacing and swimming below the surface, at 12:52 UTC the individuals were in a feeding behaviour 50 meters ahead of the vessel, 13:20 UTC the dolphins continued feeding and 2 more individuals join the group, the feeding continued till 14:24 UTC and the dolphins were swimming in variable directions during the whole sighting. at 14:30 UTC were spotted swimming away from the vessel with a 10° heading; a total of 4 individuals were spotted (4 adults). No mitigation action was necessary due the vessel was in standby and with no equipment into the water.

Detection 3, 10/12/2023: On October 12, 2023, 13:29 UTC 5 bottlenose dolphins were spotted at 50 meters from portside of the vessel surfacing and in parallel same direction as the vessel with a 90° heading respect to the true north, the animals were surfacing, jumping and swimming below the surface, at 13:31 UTC the individuals approach voluntarily to the equipment in the water at portside of the equipment, 13:49 UTC the dolphins continued their travel with a 70° heading, the dolphins were swimming in variable directions during the whole sighting. at 13:51 UTC were spotted swimming away from the vessel unit they were out of sight with a 70° heading; a total of 5 individuals were spotted (5adults). No mitigation action was necessary due the vessel was deploying the equipment in the water and was no seismic activity.

Detection 4, 10/13/2023: On October 13, 2023, 13:10 UTC 4 bottlenose dolphins were spotted at 50 meters from starboard side of the vessel surfacing and in parallel same direction as the vessel with a 90° heading respect to the true north, the animals were surfacing in a slow travel at 10 meters from the equipment in starboard side, at 13:23UTC the dolphins continued their travel with a 130° heading, the dolphins were swimming in parallel same direction of the vessel during the whole sighting. At 13:25 UTC, dolphins were spotted swimming away from the vessel until they were out of sight; a total of 4 individuals were spotted (4adults). No mitigation action was necessary due the vessel was deploying the equipment in the water and was no seismic activity.

Detection 5, 10/14/2023: On October 14, 2023, 21:21UTC 2 unidentified dolphins were spotted at 300 meters approx. from stern portside of the vessel surfacing and in parallel same direction as the vessel with a 40° heading respect to the true north, the animals were in a fast travel at 250m from the seismic equipment, at 13:23UTC the dolphins crossed in perpendicular direction from stern portside to starboard side with a 310° heading, the dolphins were swimming outside the exclusion zone the whole sighting and at 21:25 UTC were spotted swimming away from the vessel until they were out of sight; a total of 2 individuals were spotted (2adults). No mitigation action was necessary due the vessel was deploying the equipment in the water and was no seismic activity.

Detection 6, 10/17/2023: A pair of bottlenose dolphins was observed while the Fugro Brasilis was preparing to depart port at 23:23 UTC (Brasilis detection #6). The dolphins were first observed 40m off the starboard bow of the vessel. The dolphins were observed surfacing, exposing their dorsal fins. Additional bottlenose dolphins were observed throughout transit in the channel, with a total of approximately 40 individuals observed. The dolphins were primarily observed in pairs but there were two instances where six individuals were observed in small pods. Milling and traveling were the main behaviours noted, however two individuals were observed in the bow wake (bow-riding) of a passing container ship. Initial detection distances for the dolphins ranged from 20-300m, with a closest approach

(CPA) to the vessel of 5m across all observations. The detection continued through the end of the UTC day, ending at 00:05 on 18 October. Mitigation was not required for the dolphins.

Detection 7, 10/18/2023: A single bottlenose dolphin was observed 50m off the starboard bow as it slowly travelled near parallel and in the opposite direction to the vessel. The dolphin was observed for just under one minute with no change in behavior noted. The CPA to the vessel was 50m and the CPA to the source (not deployed) was approximately 150m. Mitigation was not required for the dolphin detection. The vessel was deploying the streamer at the time of the detection.

Detection 8, 10/18/2023: A trio of bottlenose dolphins was observed porpoising toward the stern of the vessel between the port stern and the port paravane/door at 19:49 UTC. The dolphins were 20m off the stern of the vessel on initial detection. At least two of the dolphins were observed riding the forward wake created by the paravane float. The three bottlenose dolphins continued to be observed in roughly the same area as the initial observation for seven minutes. A larger group of approximately 12 dolphins was porpoising toward the stern of the vessel from 50m off the stern at 19:56 UTC (total number of individuals at 15). These dolphins continued to be observed off the stern of the vessels until 20:01 UTC. The CPA to the stern of the vessel was 5m and the CPA to the source (not deployed) was 50m. The vessel was on standby when the dolphins were first observed and began retrieval of the streamer at approximately 19:55 UTC. Mitigation was not required for the dolphin detection.

Detection 9, 10/19/2023: A single bottlenose dolphin was observed 20m off the port side of the Fugro Brasilis at 15:30 UTC. The dolphin dove while heading perpendicular to the vessel toward starboard shortly after detection. A few minutes later, a group of five dolphins was observed near the starboard paravane, 50m off the starboard stern of the vessel. These dolphins remained in the area between the paravane and starboard side of the vessel until 15:40 UTC. Two individuals from this group came within 20m of the starboard side of the vessel. The dolphins were last observed 100m off the starboard beam of the vessel at 15:41 UTC. Estimated CPA to the source (not deployed) was approximately 50m. The vessel was deploying streamers at the time of detection. Mitigation was not required for the dolphin detection.

Detection 10, 10/19/2023: A small pod of four bottlenose dolphins was observed 100m off the starboard beam of the Fugro Brasilis at 16:07 UTC. The dolphins were traveling parallel to and in the same direction as the vessel. The dolphins continued along this original trajectory, porpoising in a southeasterly direction. By 16:11 UTC, the number of dolphins observed increased to ten. The group of dolphins appeared to begin foraging 600m (4 reticles) off the starboard bow at 16:14 UTC. Individual dolphins within the group were oriented in different directions and were observed generating white water, which indicated potential foraging. The dolphins remained in that general area as the vessel slowly passed by them. Bait balls were also observed as the vessel moved through the area where the dolphins were observed (further support foraging behaviours). The vessel passed within 250m of the dolphins at 16:24 UTC. The dolphins did not appear to be foraging after 16:23 UTC. The dolphins were last observed off the starboard beam at 16:25 UTC. CPA to the vessel was 100m and the estimated CPA to the source (not deployed) was 150m. The vessel was deploying streamers at the time of detection. Mitigation was not required for the dolphin detection.

Detection 11, 10/19/2023: Splashing was observed approximately 1km off the port side of the Fugro Brasilis at 19:03 UTC. Upon further investigation with binoculars, it was determined that the source of the splashing was a small group of four bottlenose dolphins. The dolphins remained in the same general area moving with the vessel, primarily only exposing the dorsal surface; however a few individuals were observed leaping clear of the water. The dolphins were last observed at the same range, but ahead of their original position at 19:09 UTC. The dolphins remained 1km from the vessel throughout the detection. The vessel was deploying streamers at the time of the detection. Mitigation was not required.

Detection 12, 10/19/2023: A possible loggerhead sea turtle was observed resting at the surface, 30m off the port bow of the Fugro Brasilis at 19:12 UTC. The turtle lifted its head out of the water to take a breath and then dove away from the vessel and out of sight. The CPA to the vessel was 30m and the estimated CPA to the source (not deployed) was 200m. The vessel was deploying streamers at the time of the detection. The detection was brief and any maneuvers to increase the separation distance would not have had an impact. The vessel was also towing survey equipment at the time and had limited maneuverability.

Detection 13, 10/20/2023 A single bottlenose dolphin was observed as it approached the vessel, 30m off the port bow of the Fugro Brasilis at 15:57 UTC. The dolphin came within 10m of the vessel before diving under the bow. A few minutes later, three bottlenose dolphins were observed off the starboard beam. These dolphins were traveling slowly away from the vessel toward the northwest. The dolphins were last observed 100m off the starboard stern at 16:03 UTC. The CPA to the vessel was 10m while the CPA to the source (deployed but inactive) was approximately 80m. The vessel was transiting to the testing location with all gear deployed when the dolphins were observed. Mitigation was not required for the dolphins.

Detection 14, 10/20/2023: A small group of five bottlenose dolphins was observed porpoising toward the

bow of the Fugro Brasilis, 10m off the port side of the vessel at 16:57 UTC. The dolphins remained near the bow of the vessel and by 17:01 UTC the total number of dolphins increased to 12. Two additional dolphins were observed as they

porpoised at a rapid pace to the vessel, 100m off the starboard beam at 17:05 UTC (total of 14 dolphins). The dolphins were last observed at 17:06 UTC before the PSO went on their required break after a two-hour watch. The CPA to the vessel was 1m, while the CPA to the source (deployed but inactive) was 160m. The vessel was transiting to the testing location with all gear deployed when the dolphins were observed. Mitigation was not required for the dolphins.

Detection 15, 10/20/2023: A single bottlenose dolphin was observed as it traveled toward the Fugro Brasilis, 100m off the port bow at 21:39 UTC. The dolphin entered the 200m pre-clearance buffer zone at 21:40 UTC when it was observed 20m off the port bow of the Brasilis. The PSOs on the Fugro Enterprise were notified immediately of the detection and when the dolphin entered the buffer zone. The survey team on the Brasilis was also notified of the dolphin detection and the start of soft start was delayed. The last observation of the dolphin by the Brasilis PSO was 21:40 UTC, however the PSOs on the Fugro Enterprise detected the dolphins (now three individuals) at 21:44 UTC. The PSOs on the Enterprise last detected the dolphins within the buffer zone at 21:47 UTC. Clearance to soft start was given at 22:02 UTC, with soft start commencing at 22:08 UTC. The dolphin detection resulted in a 7-minute delay to the start of soft start.

Detection 16, 10/21/2023: The Enterprise PSOs notified the Brasilis PSO that dolphins were approximately 500m off the Brasilis' port bow at 12:21 UTC. The Brasilis PSO was located on the starboard side of the vessel at the time and the view in the direction of the dolphins was obscured by the bridge. On moving to the port side, the Brasilis PSO confirmed observation of the dolphins in the located noted by the Enterprise at 12:26 UTC. Pre-clearance was underway, so the PSO on the Brasilis moved back to the starboard side of the vessel to cover the Enterprise's small blind spot. Mitigation was not required as the dolphins were outside the 200m buffer zone. The CPA to the source (deployed and inactive) was 700m.

Detection 17, 10/21/2023: A small group of four bottlenose dolphins was observed 30m off the starboard bow of the Fugro Brasilis at 12:39 UTC. The dolphins were heading in a northwesterly direction toward the bow of the vessel and crossed into the 200m pre-clearance buffer zone shortly after the initial observation. The PSOs on the Enterprise and the survey team on the Brasilis were notified of the observation and soft start was delayed. The dolphins were last observed at 12:40 UTC when they dove under the bow of the vessel. Clearance to begin soft start was given at 12:55 UTC, however survey was not ready to begin soft start at the time and pre-clearance continued. The dolphin detection would have resulted in a 5 minute delay, but pre-clearance and the start of operations was postponed at 13:03 UTC when the Enterprise was called away for node protection duties and the PSOs could no longer monitor the mitigation zones. The CPA to the vessel was 10m, while the CPA to the source (deployed and inactive) was 180m.

Detection 18, 10/21/2023: A pair of bottlenose dolphins was observed 10m off the port beam of the Fugro Brasilis at 13:44 UTC. The dolphins were travelling slowly away from the vessel and were last observed 50m off the port beam at 13:45 UTC. The dolphins were observed in the 200m buffer zone, however pre-clearance had not yet begun when the dolphins were observed. Mitigation, therefore, was not required. The CPA to the vessel was 10m, while the CPA to the source (deployed and inactive) was 150m.

Detection 19, 10/22/2023: A pair of bottlenose dolphins was observed 600m off the bow of the Fugro Brasilis at 12:21 UTC. The dolphins were travelling southeast across the bow of the vessel from port to starboard. The dolphins were last observed, 500m off the bow at 12:24 UTC. The source array was active for testing when the dolphins were observed. The CPA to the vessel was 500m, while the CPA to the active source was 680m. Mitigation was not required as the dolphins remained outside the exclusion zone and were of a species that does not require a shutdown.

Detection 20, 10/22/2023: A trio of bottlenose dolphins was observed 10m off the starboard bow of the Fugro Brasilis at 12:30 UTC. The dolphins dove under the bow of the vessel shortly after initial observation and were not observed again. The source array was active for testing when the dolphins were observed. The CPA to the vessel was 2m and the CPA to the active source was 170m. Mitigation was not required as the dolphins were observed outside the 100m exclusion zone and were of a species that does not require a shutdown.

Detection 21, 10/22/2023: A small group of approximately eight bottlenose dolphins was observed 600m off the port side of the Fugro Brasilis at 13:49 UTC. The dolphins were observed travelling toward a fishing vessel, porpoising, milling, and leaping clear of the water over the 8-minute detection. The dolphins were last observed 1300m off the port side of the vessel at 13:57 UTC. The source array was active for testing when the dolphins were observed. The CPA to the vessel and active source was 600m. Mitigation was not required as the dolphins remained outside the exclusion zone and were of a species that does not require a shutdown.

Detection 22, 10/22/2023: A small group of four bottlenose dolphins was observed 10m off the bow of the Fugro Brasilis at 19:10 UTC. Visual of the dolphins was briefly lost but the dolphins were resighted 100m off the starboard stern near the starboard paravane at 19:12 UTC. The dolphins were observed porpoising and jumping clear

of the water during the 2 minute detection. The PSOs on the Enterprise spotted the dolphins at 1917 UTC (detection #20). The source array was active for testing when the dolphins were observed. The dolphins were observed within

the 100m exclusion zone at 19:12 UTC, however mitigation was not required as Tursiops are exempt from shutdowns. The detection resulted in four potential exposures. The CPA to the vessel was 2m, while the CPA to the active source was 100m.

Detection 23, 10/23/2023: A trio of bottlenose dolphins was briefly observed 20m off the starboard side of the Fugro Brasilis at 12:13 UTC. The dolphins were traveling away from the vessel in a north-easterly direction. The dolphins were not observed again after 12:13 UTC. The source was active for testing when the dolphins were observed. The CPA to the vessel was 20m and the CPA to the active source was 170m. Mitigation was not required as the dolphins were observed outside the 100m exclusion zone and were of a species that does not require a shutdown.

Detection 24, 10/23/2023: A small group of four bottlenose dolphins was observed 100m off the port stern of the Fugro Brasilis at 15:43 UTC. The dolphins surfaced a few times and were last observed by the PSO on the Brasilis at 15:44 UTC. The source array was active for testing when the dolphins were observed. The dolphins were observed within the 100m exclusion zone at 15:43 UTC, however mitigation was not required as Tursiops are exempt from shutdowns. The detection resulted in four potential exposures. The CPA to the vessel was 100m, and the CPA to the active source was also 100m.

Detection 25, 10/23/2023: A pair of bottlenose dolphins was observed 10m off the bow of the Fugro Brasilis at 18:34 UTC. The dolphins were crossing ahead of the vessel from starboard to port. A second pair of dolphins (four total) surfaced 30m off the starboard bow, about 15s after the first pair was observed. The second pair of dolphins milled off the starboard bow in the same general location as the initial observation for 2 minutes. The dolphins were last observed at 18:36 UTC. The source was active for testing when the dolphins were observed. The CPA to the vessel was 10m and the CPA to the active source was 180m. Mitigation was not required as the dolphins were observed outside the 100m exclusion zone and were of a species that does not require a shutdown.

Detection 26, 10/23/2023: A group of approximately eight bottlenose dolphins (including one calf) was observed 50m off the port bow of the Fugro Brasilis at 21:54 UTC. Six individuals chorused lined in the swell off the bow on first observation, while the other three (including the calf) were observed porpoising toward the vessel just aft of the larger group. The dolphins remained off the bow of the Brasilis for 2 minutes. The vessel was retrieving survey equipment at the time of the detection and the source array was inactive. The CPA to the vessel was 1m and the CPA to the source was 160m. Mitigation was not required for the dolphins.

Detection 27, 10/24/2023: A pair of bottlenose dolphins was observed 40m off the starboard bow of the Fugro Brasilis at 15:14 UTC. The dolphins dove under the bow of the vessel and were observed one minute later 50m off the port quarter of the vessel. The dolphins milled off the port stern for about two minutes before heading away from the vessel in a north-easterly direction. The dolphins were last observed 150m off the port quarter of the vessel at 15:19 UTC. The CPA to the vessel was 20m, while the CPA to the inactive source (not deployed) was 130m. The vessel was on weather standby with the streamers deployed when the dolphins were observed. Mitigation was not required.

Detection 28, 10/24/2023: A group of six bottlenose dolphins (including one calf) was observed 50m off the starboard beam of the Fugro Brasilis at 15:47 UTC. At least four additional dolphins were noted by 15:55 UTC, bringing the total estimated number of individuals to ten. The dolphins porpoised and rode the breaking swell, 50-100m off the starboard side of the vessel. A few individuals leapt clear of the water. The dolphins continued the same behaviors throughout the detection but were observed 100-150m off the starboard stern after 15:55 UTC. The dolphins were last observed at 15:59 UTC. The CPA to the vessel was 50m, while the CPA to the inactive source (not deployed) was 100m. The vessel was on weather standby with the streamers deployed when the dolphins were observed. Mitigation was not required.

Detection 29, 10/24/2023: A small group of four bottlenose dolphins (including one calf) was observed swimming below the surface, 30m off the starboard bow of the Fugro Brasilis at 18:39 UTC. The dolphins surfaced twice, while heading east away from the vessel. The dolphins changed direction and began traveling toward the vessel at 18:40 UTC. The dolphins dove under the water and were not observed again after 18:40 UTC. The CPA to the vessel was 30m and the CPA to the inactive source (not deployed) was 160m. The vessel was on weather standby with the streamers deployed when the dolphins were observed. Mitigation was not required.

Detection 30, 10/25//2023: A pair of bottlenose dolphins was observed 30m off the bow of the Fugro Brasilis at 16:22 UTC. The dolphins surfaced three times, while slowly travelling southeast away from the vessel. Visual of the dolphins was lost at 16:23 UTC when they moved into an area of strong glare. The CPA to the vessel was 30m and the CPA to the inactive source (not deployed) was 210m. The vessel was on weather standby with the streamers deployed when the dolphins were observed. Mitigation was not required.

Detection 31, 10/26/2023: A pair of bottlenose dolphins was observed 10m off the starboard bow of the Fugro Brasilis at 13:23 UTC. The dolphins were traveling west toward the vessel. The dolphins milled off the starboard

bow for one minute and were last observed at 13:24 UTC. The CPA to the vessel was 2m and the CPA to the inactive source (not deployed) was 170m. The vessel was on weather standby with the streamers deployed when the dolphins

were observed. Mitigation was not required.

Detection 32, 10/26/2023: A single bottlenose dolphin was observed 100m off the starboard side of the Fugro Brasilis at 19:02 UTC. The dolphin surfaced four times over an approximate one-minute period as it travelled south. The dolphin was last observed at 19:03 UTC. The CPA to the vessel was 100m, while the CPA to the inactive source (not deployed) was 180m. The vessel was on weather standby with the streamers deployed when the dolphin was observed. Mitigation was not required.

Detection 33, 10/27/2023: A small group of three bottlenose dolphins was observed 50m off the starboard quarter of the Fugro Brasilis at 15:15 UTC. The dolphins were porpoising ahead of and up to 30m to the right of the starboard paravane. The dolphins remained in this area for approximately four minutes and were last observed at 15:19 UTC. The CPA to the vessel was 50m and the CPA to the inactive source (not deployed) was 130m. The vessel was conducting streamer work with the airguns on deck when the dolphins were observed. Mitigation was not required.

Detection 34, 10/27/2023: A small group of approximately six bottlenose dolphins was observed 100m off the port stern of the Fugro Brasilis at 17:09 UTC. The PSO was off shift at the time of initial detection and was notified of the dolphins by a TGS navigator. The dolphins were observed undergoing numerous direction changes and creating white water, which may have been indicative of foraging. The dolphins remained in the same area as the vessel moved passed them. The dolphins were last observed at 17:12 UTC, 600m off the stern. The CPA to the vessel was 100m and the CPA to the inactive source (not deployed) was also 100m. Mitigation was not required.

Detection 35, 10/28/2023: A pair of bottlenose dolphins was observed 30m off the bow of the Fugro Brasilis at 13:38 UTC. The dolphins were observed surfacing, while travelling northwest. The dolphins entered the 200m pre-clearance buffer zone shortly after initial detection. The PSOs on the Fugro Enterprise and the navigators on the Brasilis were notified that the dolphins were observed in the buffer and, depending on the timing of airgun deployment, may result in a delay to soft start. The dolphins were last observed while still within the buffer zone at 13:39 UTC. The CPA to the vessel was 5m, while the CPA to the inactive source (deployed but being recovered) was 180m. The Enterprise broke away from the Brasilis to conduct chase vessel and node protection operations at 13:50 UTC and the PSOs could no longer monitor the mitigation zones. Pre-clearance was called off. The dolphin detection ultimately did not result in a delay to soft start (mitigation measure) since the airgun arrays were not fully deployed until 14:30 UTC (greater than a 30-minute pre-clearance period from when the dolphins were last observed within the buffer zone).

Detection 36, 10/29/2023: A single bottlenose dolphin was observed 80m off the port quarter of the Fugro Brasilis at 16:17 UTC. The dolphin was initially travelling south toward the vessel but shifted its direction of travel to the southwest. The dolphin was last observed just aft of the port paravane (approximately 100m off the stern), continuing the southwest trajectory at 16:19 UTC. The source was active for data acquisition when the dolphin was observed. The dolphin was observed in the 100m exclusion zone at 16:19 UTC, however mitigation was not required as Tursiops are exempt from shutdowns. The detection resulted in one potential exposure. The CPA to the vessel was 60m, while the CPA to the active source was 100m.

Detection 37, 10/30/2023: One of the navigators notified the PSO on the Fugro Brasilis that they saw a dolphin leap clear of the water off the port side of the vessel at 19:15 UTC. The PSO checked the area but there were no further observations of the dolphin. The vessel was on weather standby with the streamers deployed when the dolphin was observed. The estimated CPA to the vessel was 100m and the CPA to the inactive source (not deployed) was 180m. Mitigation was not required for the dolphin detection.

Detection 38, 10/31/2023: A pair of bottlenose dolphins was observed 20m off the bow of the Fugro Brasilis at 13:02 UTC. The dolphins were travelling southeast and were last observed 10m off the port side of the vessel at 13:03 UTC. The vessel was on weather standby when the dolphins were observed. The CPA to the vessel was 10m and the CPA to the inactive source (not deployed) was 170m. Mitigation was not required as the dolphins voluntarily approached the vessel.

Detection 39, 11/4/2023: A single bottlenose dolphin was observed 10m off the starboard beam of the Fugro Brasilis, placing the dolphin within the 200m pre-clearance buffer zone at 19:30 UTC. The PSOs on the Enterprise and the survey team on the Brasilis were notified of the detection and the start of soft start was delayed. The dolphin was observed milling in the area off the starboard beam and bow. The dolphin was observed 50m off the starboard bow and outside the 200m buffer zone at 19:33 UTC, however the dolphin moved back into the buffer zone less than one minute later. The dolphin was last observed 100m off the starboard beam at 19:38 UTC. The behavior of the dolphin was unchanged throughout the detection. The CPA to the vessel was 5m, while the CPA to the inactive source was 160m. The vessel was preparing to deploy the starboard airgun array when the dolphin was first observed.

Deployment of the airgun array began at 19:31 UTC and was completed at 19:41 UTC. Clearance to begin soft start

was given at 19:53 UTC, 15 minutes after the dolphin was last observed while within the 200m buffer zone. Soft start began at 19:53 UTC. The dolphin detection resulted in a 12 minute delay to soft start.

Detection 40, 11/7/2023: A pair of bottlenose dolphins was observed 100m off the starboard bow of the Fugro Brasilis at 22:53 UTC. The dolphins were travelling northeast and were last observed at 22:54 UTC. The vessel was surveying with the acoustic source at full volume when the dolphins were observed. The CPA to the vessel was 80m and the CPA to the active source was 190m. Mitigation was not required as the dolphins were observed outside the 100m exclusion zone and were of a species that does not require a shutdown.

Detection 41 11/10/2023: A trio of bottlenose dolphins was observed 20m off the port bow of the Fugro Brasilis at 16:21 UTC. The dolphins were observed surfacing, exposing their dorsal fins as they travelled toward the vessel. Additional bottlenose dolphins were observed throughout transit in the channel and Galveston harbor, with a total of approximately 25 individuals observed. Milling and traveling were the main behaviours noted, however one individual leapt clear of the water twice and a group of approximately six dolphins was observed foraging. Initial detection distances for the dolphins ranged from 10-100m, with a closest approach (CPA) to the vessel of 2m across all observations. The detection continued until 17:32 UTC. Mitigation was not required for the dolphins.

Detection 42, 11/14/2023: Upwards of six bottlenose dolphins were milling near the docks off the starboard stern of the Fugro Brasilis at 15:38 UTC. Two more bottlenose dolphins were spotted of the port and then starboard sides of the vessel while transiting through channel. The dorsal fins were briefly observed before slipping beneath the surface. The initial detection distance was 50m and ranged from 50-150m from vessel. At 16:00 UTC dolphins were observed off the bow of the vessel slowly traveling and changing direction to approach the vessel to bow ride. Once at the bow the dolphins were lost to sight. As the vessel continued to transit, dolphins were continuously observed off the bow in small groups of three to six individuals, with the occasional juvenile observed in the groups. While transiting through the channel upwards of 20 dolphins were observed, and while outside the jetties about 15 dolphins were observed around the bow of the vessel, again in small groups that tended to mill in the same area as the vessel passed. Once outside of the jetty's the dolphins became less frequent until last observed at 17:20 UTC. Mitigation was not required for the dolphins.

Detection 43, 11/14/2023: At 22:49 UTC, a single dorsal fin was spotted approximately 100m off the starboard stern of the Fugro Brasilis. A moment later the dolphin was identified as a bottlenose by largely unmarked gray body, and the tall falcate dorsal fin. The dolphin surfaced twice more, showing dorsal fin of a single individual, heading towards stern of the vessel at a slow pace. The dolphin was last observed at 22:51 UTC. No mitigation was requested as vessel was on standby.

Detection 44, 11/14/2023: 23:27 UTC two bottlenose dolphins surfaced 10m off starboard bow of the Fugro Brasilis. The dolphins surfaced a few times, heading towards stern, and were last seen at 23:31 UTC about 50m on starboard beam. Mitigation was not required.

Detection 45, 11/18/2023: At 19:37 a group of six bottlenose dolphins was spotted approximately 200m off the starboard bow of the Fugro Brasilis. The dolphins travelled slowly towards the bow of the vessel until 19:41 UTC when they were last observed 50m from the vessel. The sound source was inactive at time of sighting and mitigation was not required.

Detection 46, 11/18/2023: A pair of bottlenose dolphins was observed 150m off the starboard bow of the Fugro Brasilis at 20:11 UTC. The dolphins were travelling northeast toward the vessel. Shortly after initial detection, a small group of four additional dolphins was observed porpoising toward the vessel about 200m off the starboard bow. The dolphins changed direction and began travelling in the opposite direction of the vessel (northwest) at 20:13 UTC. The dolphins made their closest approach to the vessel at 20:13 UTC when they were 30m abeam on the starboard side. The dolphins changed direction again at 20:14 UTC, when they were observed in the wake of the starboard paravane while oriented in the same direction as the vessel (southeast). The dolphins milled on the seaward side and ahead of the starboard paravane until the last observation at 20:26 UTC. Only two dolphins remained in the area after 20:20 UTC. The vessel was deploying the seismic streamers when the dolphins were observed. The CPA to the inactive source (not deployed) was 130m. Mitigation was not required for the dolphins.

Detection 47, 11/18/2023: A single bottlenose dolphin was observed 80m off the port stern of the Fugro Brasilis at 21:38 UTC. The dolphin was observed surfacing while it milled in the area near the port paravane. The dolphin always surfaced while oriented in the same direction as the vessel (southwest). The dolphin was last observed at 21:43 UTC. The vessel was deploying the seismic streamers when the dolphin was observed. The CPA to the inactive source (not deployed) was 145m. Mitigation was not required for the dolphin.

Detection 48, 11/8/2023: At 22:02 UTC, two bottlenose dolphins were seen approximately 100m off the starboard bow (at the 01:00 clock-face bearing relative to the bow at 12:00) swimming at a medium pace across bow towards port side. The dolphins were surfaced a few times while travelling parallel to each other, with blows following. The dolphins were last seen at 22:04 UTC approximately 50m off the port bow at the 11:00 clock-face bearing. Mitigation was not required.

Detection 49, 11/18/2023: At 22:36 UTC, two dolphins were seen 60m from vessel off the starboard bow (at the 01:00 clock-face direction relative to the bow at 12:00) of the Fugro Brasilis. The dolphins surfaced twice,

swimming very slowly and milling. One dolphin was seen surfacing 20m from the starboard bow at 22:38 UTC. At 22:41 UTC both dolphins were last seen surfacing at 200m from vessel off starboard bow before diving below surface (still at the 01:00 bearing). Mitigation was not required.

Detection 50, 11/20/2023: At 22:28 UTC, a single dolphin was seen 50m off the starboard stern, and 50m from the inactive airgun array. The dolphin surfaced, showing its dorsal fin briefly before diving below the water and out of sight. Mitigation was not requested as all seismic sources were off.

Detection 51, 11/22/2023: During the morning meeting the client representative indicated that he saw a group of dolphins approach the vessel, 20m off the starboard bow at approximately 14:40 UTC. The dolphins dove under the vessel, surfacing off the port side. The vessel was on weather standby with the streamers deployed when the dolphins were observed. CPA to the inactive source (not deployed) is estimated at 180m. Mitigation was not required.

Detection 52, 11/22/2023: At 15:11 UTC a group of three bottlenose dolphins was observed approaching vessel, 40m from the port stern. The dolphins surfaced twice before diving out of sight beneath the vessel at 15:12 UTC. The dolphins were not observed again. Mitigation was not required as the sound source was inactive. CPA to the inactive sound source (not deployed) was 120m.

Detection 53, 11/22/2023: A single bottlenose dolphin was observed 10m off the port bow of the Fugro Brasilis at 20:28 UTC. The dolphin surfaced multiple times as it travelled toward the southeast and was last observed while maintaining a distance of 10m from the vessel at 20:29 UTC. The vessel was conducting streamer maintenance when the dolphin was observed. The CPA to the inactive source (not deployed) was 150m. Mitigation was not required for the detection.

Detection 54, 11/22/2023: At 21:21 a single dolphin was observed surfacing off the starboard bow near a group of pelicans that were resting on the water. As the vessel neared the location of the birds, the dolphin changed their direction of travel and began travelling towards the bow. Once at the bow the dolphin dove under the bow and resurfaced 150m off the stern. At this point, three additional dolphins were observed, one of which had a scared dorsal fin that came to a rounded point. The dolphins milled approximately 150m off the stern while the vessel turned. The dolphins were last observed at 21:25 UTC at 400m. Mitigation was not required.

Detection 55, 11/24/2023: A single bottlenose dolphin was observed 150m off the starboard beam of the Fugro Brasilis at 20:04 UTC. The dolphin surfaced three times as it travelled away from the vessel along a northeast trajectory. The dolphin was not observed again after 20:05 UTC. The vessel was retrieving survey equipment when the dolphin was observed. The CPA to the inactive source (not deployed) was 200m. Mitigation was not required for the detection.

Detection 56, 11/25/2023: A group of approximately six bottlenose dolphins was observed 600m off the starboard stern of the Fugro Brasilis at 12:45 UTC. The dolphins were following a fishing vessel and were most likely foraging on prey that were disturbed by the fishing vessel that was dragging nets. The fishing vessel was originally heading in an east-northeast direction but made an 180 degree turn at 12:49 UTC. The dolphins continued to follow the fishing vessel after it turned. The dolphins made their closest approach to the vessel (400m) and the inactive source (not deployed; 420m) at 12:57 UTC. The dolphins were last observed 850m off the stern at 13:00 UTC. The vessel was on weather standby with all equipment on deck when the dolphins were observed. Mitigation was not required.

Detection 57, 11/25/2023: At 14:05 UTC two bottlenose dolphins surfaced 10m off the starboard side of the vessel. The dolphins surfaced three times before diving beneath waves and out of sight at 14:06 UTC. Mitigation was not required as the sound source was inactive.

Detection 58, 11/25/2023: At 15:51 UTC a group of four bottlenose dolphins was observed 100m off the starboard bow. The dolphins were travelling toward the vessel. Once at the vessel, the dolphins milled alongside, surfacing for several minutes. The dolphins were last observed 10m off the starboard side at 15:56 UTC. Mitigation was not requested as the sound source was off and the vessel was not transiting.

Detection 59, 11/25/2023: A group of 12 dolphins was observed off the starboard bow at 16:35 UTC. The dolphins were observed in association with a fishing vessel. The dolphins were following behind the fishing vessel, feeding in the wake, and travelling slowly with the fishing vessel. The dolphins did not change their behaviour as the fishing vessel came to stop 250m off the starboard beam. The dolphins surfaced less and were increasingly difficult to see due to sun glare while the fishing vessel was off the beam of the Brasilis. The dolphins were last observed at 16:57 UTC. Mitigation was not required.

Detection 60, 11/25/2023: A single dolphin was observed 10m off the bow at 17:22 UTC. The dolphin was travelling toward the bow. Once at the bow, the dolphin dove under the vessel and resurfaced off the stern. The dolphin was last observed at 17:25 UTC, 100m off the stern. The vessel was stationary when the dolphin was

observed. Mitigation was not required.

Detection 61, 11/25/2023: At 18:09 UTC a single bottlenose dolphin surfaced 10m off the starboard quarter

(in the 05:00 clock-face direction relative to 12:00 at the bow). The dolphin was travelling toward the stern. At 18:12 UTC four dolphins surfaced in the same location as the dolphin at the start of the detection, 200m off the starboard quarter. The dolphins were milling off the starboard quarter. The dolphins were last observed at 18:14 UTC, 300m off the starboard quarter, travelling slowly in the opposite direction as they were previously traveling, heading away from the vessel. Mitigation was not required.

Detection 62, 11/25/2023: At 19:54 UTC two dolphins surfaced 300m off the starboard beam (03:00 clock-face direction relative to the bow at 12:00). The dolphins surfaced twice while slowly travelling parallel and in the same direction as the vessel. The dolphins were last observed at 19:55 UTC. Mitigation was not required.

Detection 63, 11/25/2023: A small group of four bottlenose dolphins was observed 300m off the starboard beam of the Fugro Brasilis at 20:11 UTC. The dolphins surfaced multiple times as they travelled in an easterly direction. A few blows were visible when the dolphins were observed through binoculars. The dolphins were last observed at 20:15 UTC. The CPA to the inactive source (not deployed) was 340m. The vessel was on weather standby with all equipment on deck when the dolphins were observed. Mitigation was not required.

Detection 64, 11/25/2023: A pair of bottlenose dolphins was observed 200m off the starboard beam of the Fugro Brasilis at 20:27 UTC. The dolphins were travelling toward the northeast toward the stern of the vessel. The dolphins were last observed 150m off the starboard side at 20:29 UTC. The CPA to the inactive source (not deployed) was 200m. The vessel was on weather standby with all equipment on deck when the dolphins were observed. Mitigation was not required.

Detection 65, 11/25/2023: A group of approximately six bottlenose dolphins was observed 800m off the starboard quarter of the Fugro Brasilis at 20:55 UTC. The dolphins were following a fishing vessel and were most likely foraging on prey that were disturbed by the fishing vessel that was dragging nets. The dolphins were last observed while still following behind the fishing vessel 1000m off the starboard bow at 21:20 UTC. The CPA to the inactive source (not deployed) was 800m. The vessel was on weather standby with all equipment on deck when the dolphins were observed. Mitigation was not required.

Detection 66, 11/26/2023: A small group of three bottlenose dolphins was observed 20m off the starboard bow of the Fugro Brasilis at 12:54 UTC. The dolphins crossed the bow of the vessel while travelling in the southeast direction. The dolphins were not observed again after passing in front of the vessel. The vessel was transiting to port when the dolphins were observed. The CPA to the vessel was 10m, while the CPA to the inactive source (not deployed) was 190m. Mitigation was not required.

Detection 67, 11/26/2023: A single bottlenose dolphin was observed 10m off the starboard bow of the Fugro Brasilis at 13:14 UTC. The dolphin surfaced once before diving under the bow of the vessel and was not observed again. The vessel was transiting to port when the dolphin was observed. The CPA to the inactive source (not deployed) was 190m. Mitigation was not required.

Detection 68, 11/26/2023: A single bottlenose dolphin was observed leaping clear of the water while bow riding ahead of a cargo ship at 13:53 UTC. The cargo ship and dolphin were approximately 1000m off the starboard bow of the Brasilis when the dolphin was detected. The dolphin continued to bow ride as the vessel passed the Brasilis. Shortly after the cargo vessel passed, a group of three bottlenose dolphins was observed 100m off the port bow. These dolphins were travelling toward the southeast. At 14:05, just after shift change, a group of five bottlenose dolphins were observed off the starboard stern of the vessel. These dolphins were milling and did not approach the vessel. Dolphins were then continuously observed while the vessel transited through the shipping channel and Galveston Harbor. The dolphins were observed porpoising, milling, and bow riding. In total, approximately 25 dolphins were observed until the vessel reached dock at 15:14 UTC. The CPA to the inactive source (not deployed) was 5m at 14:15 UTC. The vessel was transiting to port when the dolphins were observed. Mitigation was not required.

Detection 69, 11/30/2023: A pair of bottlenose dolphins was observed approximately 150m off the port bow of the Fugro Brasilis at 13:50 UTC. The dolphins were travelling near parallel and in the opposite direction to the vessel. The dolphins were last observed at 13:53 UTC, 100m off the port side of the vessel while continuing in a northwest direction. The vessel was stationary on weather standby when the dolphins were observed. The CPA to the inactive source (not deployed) was 190m at 13:53 UTC. Mitigation was not required for the dolphins.

Detection 70, 11/30/2023: One bottlenose dolphin was observed about 160m off the starboard bow of the Fugro Brasilis at 15:27 UTC. The dolphin was travelling away from the vessel toward the southwest and was last seen at 15:29 UTC. The vessel was on weather standby at the time of detection. Mitigation was not required for the dolphin as the source was inactive and not deployed.

Detection 71, 11/30/2023: A group of six bottlenose dolphins was observed at 19:25 UTC surfacing 200m from the port side (at the 10:00 clock face bearing relative to the bow at 12:00). At 19:27 UTC the dolphins were seen surfacing 300m from vessel, remaining at the same bearing. The dolphins were traveling slowly and milling. The

dolphins were last observed at 19:28 UTC. Mitigation was not required.

Detection 72, 11/30/2023: One bottlenose dolphin was observed at 21:30 UTC surfacing 20m from the

starboard bow (at the 02:00 clock face bearing relative to the bow at 12:00). The dolphin was travelling slowly toward the northwest and only surfaced once. Mitigation was not required for the dolphin as the source was inactive and not deployed.

Detection 73, 11/30/2023: One bottlenose dolphin was observed at 22:15 surfacing 60m from the starboard quarter of the vessel, approaching from the 4oclock direction (relative to the bow at 12:00). One minute later, two bottlenose dolphins were seen 50m from the starboard bow heading towards the boat in the 9 o'clock direction. The dolphins were not seen again. Mitigation was not required as the source was inactive and not deployed.

Detection 74, 12/1/2023: One bottlenose dolphin was observed at 14:27 UTC, 70m from the port bow while approaching the vessel from the 11:00 o'clock bearing. Dolphins were observed again 2 minutes later, 10m from the vessel. Three bottlenose dolphins were observed off the starboard beam while moving away from the vessel at 14:31UTC. Four bottlenose dolphins, including one juvenile were observed 40m off the port stern at 14:35 UTC. The dolphins were last observed 200m off the port beam, travelling away from the vessel at 14:39 UTC. Mitigation was not required.

Detection 75, 12/1/2023: One bottlenose dolphin was seen at 17:40 UTC, 80m from port beam of the vessel, surfacing while travelling slowly (03:00 o'clock) and diving. A pair of dolphins was observed approximately 20m off the stern at 17:42 UTC. At 17:43 UTC, a pod of three bottlenose dolphins was seen 600m from the starboard side of the vessel, travelling slowly toward the southeast. At 17:54 UTC the pod approached the starboard bow (02:00 o'clock) and moved to port side again. At 18:00 UTC three dolphins were seen surfacing 400m off the port bow (at 10:00 clock face bearing relative to the bow at 12:00). The dolphins were milling and surfacing for a few minutes. The dolphins were 500m off the port bow at 18:06 UTC at same 10:00 clock face position. At 18:09 UTC two dolphins surfaced while travelling slowly towards the bow from the 11:00 clock face bearing relative to the bow at 12:00. The dolphins were last observed at 18:12 UTC, 400m directly off the bow heading towards the starboard side. Mitigation was not required

Detection76, 12/1/2023: A pair of bottlenose dolphins was observed 20m off the port bow of the Fugro Brasilis at 20:33 UTC. Shortly after initial detection a third dolphin was observed 10m off the port bow. The pair of dolphins were initially travelling toward the bow in a southwest direction, while the individual dolphin was travelling away from the vessel toward the north. The pair of dolphins changed direction, following the single dolphin toward the north. A single dolphin was observed 80m off the port stern of the vessel at 20:37 UTC. This dolphin was travelling in the same direction as the same southeast direction as the vessel. The three dolphins continued to be observed milling at distance of 100-250 off the port stern over the next several minutes. The trio of dolphins was last observed 350m off the port stern at 20:43 UTC. The vessel was deploying survey equipment at the time the dolphins were detected. The CPA to the inactive source (not deployed) was 140m at 20:37 UTC. Mitigation was not required for the detection.

Detection 77, 12/1/2023: A single bottlenose dolphin was observed 10m off the starboard bow of the Fugro Brasilis at 20:58 UTC. The dolphin surfaced once as it travelled in a northwest direction. At 21:04 UTC three individuals surfaced 30m from the starboard bow (at the 01:00 o'clock relative bearing), while travelling slowly towards the southeast. The vessel was deploying equipment at the time of detection. Mitigation was not required.

Detection 78, 12/2/2023: A single bottlenose dolphin was observed 80m off the starboard bow of the Fugro Brasilis at 12:40 UTC (at the 01:00 o'clock relative bearing). The dolphin surfaced as it travelled in a southwest direction. At 12:50 UTC the dolphin was observed 20m from the starboard side bow of the vessel, as it travelled away from the vessel toward the northeast and by 12:54 UTC the two dolphins were spotted 200m from the starboard beam (at the 03:00 o'clock relative bearing), while travelling slowly towards the northeast. A single bottlenose dolphin was observed 10m off the port bow at 13:22 UTC. The dolphin surfaced once as it travelled away from the vessel toward the southwest. At 13:23 UTC the dolphins were spotted 10m from the starboard bow (at the 01:00 o'clock relative bearing), while travelling slowly toward the west. A pair of dolphins was observed 20m off the port stern near the paravane at 13:24 UTC. The pair of dolphins remained within 200m of the port side of the vessel until the last observation at 13:38 UTC, when the dolphins were observed moving away from the vessel. The CPA to the inactive source (not deployed) was 120m at 13:24 UTC. The vessel was troubleshooting streamer issues at the time of detection. Mitigation was not required.

Detection 79, 12/2/2023: A single bottlenose dolphin was observed 50m off the port beam of the Fugro Brasilis at 13:51 UTC. An additional two dolphins were observed one minute later for a total of three individuals. The dolphins remained off the port side of the vessel until they were last observed at 13:55 UTC. The CPA to the inactive source (not deployed) was 120m at 13:53 UTC. The vessel was troubleshooting streamer issues when the dolphins were observed. Mitigation was not required.

Detection 80, 12/2/2023: A single bottlenose dolphin was observed 1500m off the starboard bow of the

Fugro Brasilis at 13:52 UTC (at the 02:00 o'clock relative bearing). The dolphin surfaced once as it travelled in a southwest direction. The dolphin was not seen again. The vessel was troubleshooting streamer issues at the time of

detection. Mitigation was not required.

Detection 81, 12/2/2023: A single bottlenose dolphin was seen surfacing 600m from the starboard beam at 14:08 UTC. The dolphin was traveling perpendicular to the vessel and was last seen at 14:09 UTC. The vessel was troubleshooting streamer issues at the time of detection. Mitigation was not required.

Detection 82, 12/2/2023: A single bottlenose dolphin was seen surfacing near the starboard paravane, 60m from the stern at 15:25 UTC. The same individual was seen approaching the vessel, 30m from the starboard bow at 15:26 UTC and again at 15:28 UTC. At 15:40 UTC three bottlenose dolphins were seen traveling perpendicular to the vessel, 70m from the starboard stern. At 15:43 UTC one bottlenose dolphin was seen near the paravane, 70m from the stern. The dolphin remained in this location until 15:47 UTC. At 15:51 UTC, three bottlenose dolphins were seen 150m off starboard stern. At 15:54 UTC the dolphins were 300m from the starboard paravane. The dolphins were last observed over 1km off the stern at 15:58 UTC. The vessel was troubleshooting streamer issues at the time of detection. Mitigation was not required.

Detection 83, 12/2/2023: At 15:38 UTC two bottlenose dolphins surfaced 50m from the port side (10:00 clock face bearing relative to the bow at 12:00). The dolphins were travelling slowly towards bow, surfacing a few times. The dolphins were last observed at 15:39 UTC, with both dolphins surfacing 30m from bow heading away from the vessel. The vessel was troubleshooting streamer issues at the time of detection. Mitigation was not required.

Detection 84, 12/2/2023: A pod of two bottlenose dolphins was observed 400m off the port bow of the Fugro Brasilis at 16:11 UTC (at the 11:00 o'clock relative bearing). The dolphins were travelling away from the vessel at a rapid pace in an easterly direction. The dolphins were not seen again. The vessel was troubleshooting streamer issues at the time of detection. Mitigation was not required.

Detection 85, 12/2/2023: A pod of three bottlenose dolphins was observed 1600m off the port bow of the Fugro Brasilis at 16:57 UTC (at the 10:00 o'clock relative bearing). The dolphins were jumping and milling, with no apparent direction of travel (possibly feeding). The dolphins were not seen again after 16:59 UTC. The vessel was troubleshooting streamer issues at the time of detection. Mitigation was not required.

Detection 86, 12/2/2023: One dolphin was seen surfacing 150m off the port beam at 18:00 UTC. The dolphin was travelling in the opposite direction of the vessel. The dolphin was not observed again. The vessel was troubleshooting streamer issues at the time of detection. Mitigation was not required.

Detection 87, 12/2/2023: One bottlenose dolphin was seen 200m off the port beam at 18:59 UTC. The dolphin surfaced periodically 170-400m off the port beam between 18:59 and 19:09 UTC. The dolphin was 400m from the vessel when it was last observed at 19:09 UTC. The vessel was troubleshooting streamer issues at the time of detection. Mitigation was not required.

Detection 88, 12/2/2023: One bottlenose dolphin was seen 50m from the port bow at 19:09 UTC. The dolphin surfaced once and was not seen again. The vessel was troubleshooting streamer issues at the time of detection. Mitigation was not required.

Detection 89, 12/2/2023: One bottlenose dolphin was seen surfacing 30m from the port stern at 19:50 UTC. The dolphin was heading towards vessel which was deploying equipment at the time of detection. Mitigation was not required.

Detection 90, 12/2/2023: One bottlenose dolphin was seen surfacing at 20:38 UTC, 50m off the starboard side bow (at the 02:00 o'clock relative bearing). The dolphin was travelling slowly toward the southeast. Between 20:42 UTC and 20:52 UTC, the dolphin was seen swimming in variable directions. The CPA to the source was 120m at 20:52 UTC when the dolphin was seen astern the port side door. The dolphin was last seen at 21:15 UTC, swimming in a southeast direction, 60m off the starboard beam. The streamers were fully deployed and the vessel was preparing to deploy the airgun arrays when the dolphins were observed. Mitigation was not required.

Detection 91, 12/2/2023: A pair of bottlenose dolphins was observed 80m off the port bow of the Fugro Brasilis at 21:37 UTC. The dolphins surfaced twice as they travelled toward the vessel in an easterly direction. The dolphins surfaced again, 30m off the port side at 21:38 UTC. A third dolphin was observed at 21:39 UTC when three dolphins surfaced 80m off the port stern. The dolphins began heading away from the vessel toward the southeast at 21:39 UTC and were last observed 350m off the stern of the vessel at 21:42 UTC. The CPA to the inactive source (not deployed) was 140m at 21:39 UTC. The streamers were fully deployed and the vessel was preparing to deploy the airgun arrays when the dolphins were observed. Mitigation was not required.

Detection 92, 12/2/2023: A small pod of four bottlenose dolphins was observed 250m off the port side of the Fugro Brasilis at 21:45 UTC. The dolphins remained with the vessel while remaining 150- 200m from the vessel for 5 minutes. The dolphins began heading away from the vessel at 21:50 UTC. The dolphins were last observed 400m astern of the vessel at 21:53 UTC. The CPA to the vessel was 150m while the CPA to the inactive source (not deployed) was 200m at 21:48 UTC. The streamers were fully deployed and the vessel was preparing to deploy the airgun arrays

when the dolphins were observed. Mitigation was not required.

Detection 93, 12/3/2023: At 14:09 UTC a solo bottlenose dolphin was observed, followed seconds later by a

pair of bottlenose dolphins. The dolphins were initially observed 140m from the source, within the buffer zone. One dolphin was observed within the buffer zone two more times, once at 14:10 UTC and again at 14:12 UTC. The dolphin was last observed within the buffer zone at 14:12 UTC. The single bottlenose dolphin was last seen at 14:15 UTC, 400m from the vessel. The dolphin was not observed within the exclusion zone. Mitigation was not required due to species and location of the dolphins. The CPA to the active source was 140m at 14:09 UTC.

Detection 94, 12/4/2023: At 12:32 UTC, a bottlenose dolphin was seen surfacing 15m from the starboard side (wing) of the vessel, within the buffer zone (CPA to the active source = 160m, at the 02:00 o'clock relative bearing). The dolphin was travelling slowly, heading in the same direction as the vessel (northwest). At 12:33 UTC the dolphin crossed the bow to port side bow. The dolphin was observed 5m off the port bow at 12:35 UTC. The dolphin dove under the vessel and was not observed again until 12:37 UTC when it was observed off the starboard bow. The dolphin remained within the buffer zone for the duration of the detection. The dolphin was not observed within the exclusion zone. Mitigation was not required due to species and location of the dolphin.

Detection 95, 12/4/2023: At 15:35 UTC two bottlenose dolphins surfaced 300m from the port side (approx. 10:00 clock face bearing relative to the bow at 12:00) while traveling slowly away from the vessel. The dolphins surfaced a few times and were last observed 400m from the vessel at 15:36 UTC. Mitigation was not required.

Detection 96, 12/4/2023: A single bottlenose dolphin was observed 200m off the starboard side of the Fugro Brasilis at 19:55 UTC. The dolphin surfaced four times as it travelled in a northeast direction. The dolphin was last observed at 19:56 UTC, 150m off the starboard side of the vessel. The dolphin remained outside the buffer zone for the duration of the detection, with a CPA to the active source of 220m at 19:56 UTC. The vessel was surveying with the source at full volume when the dolphin was detected. Mitigation was not required.

Detection 97, 12/5/2023: At 20:09 UTC a pod of two bottlenose dolphins was spotted 40m from the port bow of the Fugro Brasilis (at the 11:00 o'clock relative bearing). The dolphins were travelling slowly toward the northwest (perpendicular to the vessel), 20m apart from each other. Three minutes later, the dolphins were seen approximately 90m from the port stern of the vessel. The dolphins were travelling side by side and travelling in the same heading as the vessel. The dolphins were within the buffer zone when last detected at 20:12 UTC. (CPA to the active source = 150m, at the 08:00 o'clock relative bearing).

Detection 98, 12/6/2023: At 13:07 UTC a pod of two bottlenose dolphins was spotted 100m from the starboard side of the Fugro Brasilis. The dolphins were observed within the buffer zone upon initial detection, with a CPA to the active source of 170m. The dolphins were travelling toward the southwest. The dolphins were last seen 300m from the starboard stern of the vessel, while still within the buffer zone at 13:09 UTC. Mitigation was not required.

Detection 99, 12/6/2023: A single bottlenose dolphin was observed 400m off the starboard bow of the Fugro Brasilis at 21:15 UTC. The dolphin surfaced as it travelled in a northeast direction. The dolphin was last observed at 21:21 UTC, 600m off the starboard side of the vessel. The dolphin remained outside the buffer zone for the duration of the detection, with a CPA to the inactive source (not deployed) of 500m at 21:20 UTC. The vessel was retrieving the seismic array when the dolphin was detected and the source was off. Mitigation was not required.

Detection 100, 12/6/2023: At 22:06 UTC two bottlenose dolphins were seen 200m off the port bow of the vessel. The dolphins were making multiple directional changes. A single dolphin was last seen at 22:11 UTC, travelling in the opposite direction as the vessel 150m off the port beam. Mitigation was not required.

Detection 101, 12/6/2023: At 22:25 UTC one bottlenose dolphin was seen 200m off the port bow and again shortly after at 150m at the same bearing. Mitigation was not required.

Fugro Enterprise Detections

Detection 1, 10/13/2023: Dolphins were first observed off bow of vessel at 50m while vessel was pushing off of dock. The dolphins were slowly surfacing in small groups of animals ranging from 2-5 animals. During the transit through the channel, dolphins were continuously observed for duration of detection. These small groups were observed to voluntarily approach the vessel coming as close as 10m off the forward quarter of vessel. As the vessel continued to transit the channel, these small groups were observed to mill in the same general areas, while the vessel transited away from the group. At 21:15 UTC a group of 20 animals was observed off the bow milling and feeding at 200m from vessel, then as the vessel approached at about 70m the dolphins turned as a group and began to slowly travel in the same direction of the vessel for about 5min before dropping behind the vessel to resume milling. These dolphins were not observed to bow ride, only to come as close as 10m then change direction of travel to either travel down the beam to the stern or to travel away from vessel. Once the vessel made it through the channel the dolphins were lost to sight off the stern.

Detection 2, 10/14/2023: During deployment operations while vessel was stationary, PSO observed two dolphins off the stern of the vessel at approximately 120 meters. The two dolphins were travelling slowly towards

9:00 o'clock relative to the vessel heading of 291 degrees. Visual sighting was lost when the dolphins reached 350 meters due to choppy sea conditions. End of sighting was 12:32 UTC. No mitigation was required due to vessel being stationary and the dolphins approaching the vessel voluntarily.

Detection 3, 10/14/2023: At 17:20 UTC PSO observed two dolphins travelling perpendicular to the vessel at 09:00 o'clock relative to the vessel heading of 222.5 degrees. The sighting lasted 20 seconds as the dolphin dove and was lost to sight of the PSO. No mitigation was required due to the vessel being stationary while deploying equipment.

Detection 4, 10/14/2023: At 17:39 UTC PSO observed three dolphins off the starboard bow on a voluntary approach towards the vessel. The dolphins were observed surfing the choppy conditions as they approached the vessel. When they were 15 meters away the dolphins dove underneath the vessel and were not sighted again. The sighting lasted 42 seconds. No mitigation was requested or required due to the vessel deploying equipment and being stationary.

Detection 5, 10/17/2023: At 21:59 UTC during transit, PSO observed six dolphins off the starboard bow on a voluntary approach towards the vessel. The dolphins were observed breaching as they approached the vessel. When they were 20 meters away the dolphins dove underneath the vessel and were not sighted again. The sighting lasted 30 seconds. No mitigation action was required.

Detection 6, 10/18/2023: At 21:29 UTC PSO observed three dolphins off the port side on a voluntary approach to the stern of the vessel. The dolphins were observed slow traveling as they approached the vessel. When they were 10 meters away the dolphins dove underneath the stern of the vessel and were not sighted again. Last sighting was at 21:31. No mitigation action was required due to the vessel being stationary.

Detection 7, 10/18/2023: At 23:20 UTC PSO heard an auditory splash coming from the bow of the vessel. Upon investigation, 4 dolphins were observed bow riding along with the vessel as the Fugro Brasilis was transiting. No mitigation was required due to a voluntary approach by the dolphins. As the vessel slowed, the dolphins began milling around the vessel until 23:32 UTC before being lost to sight.

Detection 8, 10/19/2023: At 12:50 UTC PSO observed a juvenile dolphin approaching the vessel before 3 other dolphins were spotted off the bow. The dolphins were observed to be milling around the vessel as the Fugro Enterprise maintained a steady, slow course around the lease area. No mitigation was requested or required due to a voluntary approach. The sighting ended at 12:57 UTC as the dolphins were seen travelling away from the stern of the vessel.

Detection 9, 10/19/2023: At 13:07 UTC dolphins were observed off the stbd beam in the wake of a shrimping boat about 250m from the beam of the vessel. These dolphins were exhibiting feeding behaviors, while porpoising in the wake of the vessel. They did not approach our vessel but remained with the fishing boat while the Enterprise slowly moved past. Dolphins were lost to sight due to glare at 13:10

Detection 10, 10/20/2023: At 16:04 UTC PSO observed at 200 m five dolphins at the bow on a voluntary approach towards the vessel. The dolphins were observed blowing in fast travel as they approached the vessel. When they were 20 meters away the dolphins dove underneath the vessel and were not sighted again. No mitigation action was required due to the vessel being stationary.

Detection 11, 10/20/2023: At 16:04 UTC PSO observed at 200 m five dolphins at the bow on a voluntary approach towards the vessel. The dolphins were observed blowing in fast travel as they approached the vessel. When they were 20 meters away the dolphins dove underneath the vessel and were not sighted again. No mitigation action was required due to the vessel being stationary.

Detection 12, 10/20/2023: At 17:20 UTC as the Fugro Enterprise was approaching a shrimping vessel, PSO observed 15 dolphins milling around the shrimping vessel. The dolphins were feeding amongst the sea birds when sighted. The sighting lasted 10 minutes before visual sighting was lost. No mitigation was required for the duration of the sighting. Dolphins were lost to sight as the Enterprise travelled away from the shrimping vessel.

Detection 13, 10/20/2023: At 18:52 UTC, PSO on watch observed a singular bottlenose dolphin jumping out of the water. This behavior was sighted twice before the dolphin made a voluntary approach to the Enterprise. Upon reaching the vessel the dolphin dove under the starboard side and was lost from sight. The sighting lasted approximately 3 minutes. No mitigation was requested or required.

Detection 14, 10/20/2023: At 19:12 a pod of dolphins was observed to be slowly surfacing and slowly traveling across the bow of the vessel. As the vessel continued to travel the dolphins were observed to slowly change direction to the opposite direction of the vessel and come toward the vessel, coming as close as 200m from the starboard beam and continue to slowly surface. The dolphins again changed direction to travel towards the vessel and then in same direction of vessel. The dolphins then dropped behind the vessel coming as close at 10m. The dolphins were lost to sight off the stern of the vessel while they milled in same area.

Detection 15, 10/20/2023: PSO's were informed from the PSO on Fugro Brasilis about dolphins in the buffer zone during preclearance. PSO's aboard the Fugro Enterprise gained eyes on to the pod at 21:44 UTC. This pod caused a pause in preclearance until 21:47 UTC when they were sighted leaving the exclusion zone and buffer zone. Both vessels moved away from the pod and visual sighting was lost.

Detection 16, 10/21/2023: At 12:08 UTC PSO observed two dolphins jumping out of the water approximately 500 meters off the starboard beam. The pod was observed milling in a single location as the Enterprise moved into position behind the Brasilis. No mitigation was required or pre-clearance stopped due to the pod remaining outside the buffer zone and the exclusion zone. As our two vessels moved away from the pod, visual sighting was lost. The sighting lasted 23 minutes.

Detection 17, 10/21/2023: At 13:12 UTC dolphins were observed in the wake of a shrimping boat off the bow at a distance of 50m. Dolphins were observed to be porpoising behind the vessel and exhibited feeding behaviors. At 13:18 UTC a single dolphin came to the bow of the vessel with a CPA of 5m before changing direction and heading back to the stern of the shrimp boat. Dolphins were lost to sight when the Enterprise returned to the Brasilis. At 13:03 UTC the Enterprise was called away from the Brasilis to go chase a shrimp boat away from bottom nodes. The pre-clearance was cancelled as the vessel moved out of zone and resumed at 13:50 UTC when the Enterprise was able to return to the Brasilis. Ramp up commenced at 14:20.

Detection 18, 10/22/2023: At 12:23 UTC a single dolphin was observed off the bow barely breaking the surface of the water about 50m from the bow of the Enterprise. The Brasilis relayed a message about dolphins on their starboard bow, but they were not visible from the Enterprise. The dolphin off the Enterprise bow was observed surfacing twice before being lost to sight.

Detection 19, 10/22/2023: At 13:55 UTC dolphins were first observed off the port bow about 150m heading towards the vessel. These dolphins were observed to surface slowly barely breaking the water surface. As the animals approached the vessel, they were observed to change direction to travel down the port side in the opposite direction as the vessel coming within 50m. The animals stayed in the same general area as the vessel past the group. The dolphins began to mill off the stern of the vessel and distance grew as the vessel continued past the group. The animals were lost to sight as the vessel traveled away from group.

Detection 20, 10/22/2023: The Brasilis PSO liason informed the Enterprise PSOs that dolphins were observed around the starboard paravane, but they were not visually observed by the Enterprise PSOs at that time. At 19:17 UTC dolphins were observed off the port bow heading toward the vessel from the Brasilis. The dolphins were slowly surfacing and traveling towards the vessel, then changed direction to swim down the port beam. The small group of 4 dolphins were quickly lost to sight off the port beam at 19:19 UTC. At 19:22 UTC 2 additional dolphins were observed off the bow heading in the opposite direction of vessel and were only observed to surface twice before losing sight.

Detection 21, 10/23/2023: At 15:31 UTC PSO identified 2 bottlenose dolphins off the port side bow at 350 meters. The dolphins were observed travelling slowly perpendicular to the vessel before turning towards the Fugro Enterprise on a voluntary approach. The dolphins then dove in front of the vessel at 20 meters before being lost to sight. The sighting lasted 6 minutes and no mitigation was requested or required due to the dolphins being outside the active sound source exclusion zone and gun array buffer zone.

Detection 22, 10/23/2023: At 23:27 UTC PSO observed 2 dolphins slowly approaching the bow of the Enterprise before diving underneath the bow. They were then lost to sight of the PSO, the sighting lasted 1 minute. No mitigation was requested or required.

Detection 23, 10/24/2023: At 13:27 UTC dolphins were observed off the bow of the vessel porpoising through the high seas, jumping clear of water. The dolphins were heading toward the vessel and were observed to swim around the vessel and then were lost to sight quickly in the glare off the port stern.

Detection 24, 10/24/2023: At 15:55 UTC dolphins were observed in the wake of a shrimping boat off the bow at a distance of 150-20m. Dolphins were observed to be porpoising and jumping behind the vessel and exhibited feeding behaviors parallel to ship in the same direction as the ship. At 16:08 dolphins were lost to sight when the Enterprise changed direction returned to the nodes area.

Detection 25, 10/26/2023: At 12:31 UTC a single dolphin was observed 70 meters off the port side bow on a voluntary approach to the Fugro Enterprise. The dolphin was observed travelling parallel to the vessel from bow to stern before being lost to sight. The sighting lasted for 1 minute and no mitigation was requested or required due to there being no active sound source on.

Detection 26, 10/26/2023: At 14:14 UTC 2 dolphins were briefly observed off the bow at a distance of 20m. The dolphins were heading toward the bow and were observed to surface off the stbd beam. The animals continued past the vessel and were last observed at 14:16 UTC traveling away from the vessel to the east. Enterprise down for weather not following Brasilis.

Detection 27, 10/26/2023: At 16:10 UTC dolphins were observed from starboard in the wake of a shrimping boat off the stern at a distance of 50m. Dolphins were observed to be porpoising and surfacing behind the vessel and exhibited feeding behaviors parallel to ship in the same direction as the ship. At 16:15 two dolphins were heading toward the vessel at 10 meters of distance the starboard beam. The sighting continued for 45 minutes more when the dolphins were lost to sight when the shrimping boat change the direction.

Detection 28, 10/26/2023: At 19:40 UTC a small group of dolphins were observed slowly surfacing off the bow of the vessel at distance of 50m, traveling towards the bow. The dolphins swam to the bow and milled around

the bow of the vessel for several minutes. The animals were barely breaking the water surface while milling and were lost to sight off the port side of the vessel in the sun glare.

Detection 29, 10/27/2023: At 12:37 UTC a single dolphin was observed surfacing off the bow at 75 meters. The dolphin travelled towards the bow before diving underneath the vessel before being lost to sight by the PSO. No mitigation was required due to there being no active sound source.

Detection 30, 10/27/2023: At 13:18 UTC a small group of dolphin were observed to slowly surface off the port bow at a distance of 100m. This group was observed to slowly come toward the bow of the vessel and then mill off the bow at a distance of 20m. The group would slowly surface while milling then observed to come to the bow, but did not bow ride, instead the group was observed off the stbd side of the vessel to slowly travel toward the south. The dolphins were lost to sight in the sun glare off the stbd side. The Enterprise was not near the Brasilis as airguns were not in water.

Detection 31, 10/27/2023: At 15:26 UTC a small group of dolphins were observed at 350 meters from the starboard bow surfacing, while the boat was transiting at 3 knots the group of dolphins approached to the bow and dived 15 meters from the bow. After seven minutes only two dolphins were observed 150 meters from the port beam where they were lost from sight due the sun glare.

Detection 32, 10/27/2023: At 16:11 UTC dolphins were observed from port side in the wake of a shrimping boat off the stern at a distance of 150m. Dolphins were observed to be porpoising and surfacing behind the vessel and exhibited feeding behaviors parallel to ship in the same direction as the ship. At 16:18 the dolphins were lost to sight in the sun glare off the port side when the shrimping boat change the direction to south.

Detection 33, 10/28/2023: At 15:43 UTC as the Fugro Enterprise was approaching a shrimping vessel, PSOs observed a pod of dolphins in the wake of the shrimping vessel as it was pulling up its nets. The dolphins were sighted slowly travelling behind the vessel. No mitigation was requested or required. The sighting lasted 4 minutes and PSOs lost sight of the pod as we changed course.

Detection 34, 10/28/2023: At 16:05 UTC a small group of dolphins was observed slowly surfacing to port side at a distance of 50 m. The dolphins swam slowly while feeding and diving away from the boat. At 16:10 the dolphins were lost from sight due the sun glare.

Detection 35, 10/28/2023: At 20:18 UTC as the Fugro Enterprise was approaching a shrimping vessel, PSOs observed a pod of dolphins in the wake of the shrimping vessel as it was pulling up its nets. The dolphins were sighted slowly travelling behind the vessel. No mitigation was requested or required. At 20:26 the PSOs lost sight of the pod as we changed course.

Detection 36, 10/30/2023: At 14:37 UTC a single dolphin was observe off the starboard beam travelling in the same direction as the vessel porpoising through the swells. The dolphin was observed to keep off the beam of the vessel at a distance of 20m. Dolphin was lost to sight at 14:39 UTC.

Detection 37, 10/31/2023: At 14:21 UTC a single dolphin was observed off the port bow at a distance of 100m traveling toward the vessel. The dolphin was observed to porpoise through the swells, and head to the bow. The dolphin was not observed to bow ride, but was observed to swim under the bow to the starboard beam and mill off the beam for a few minutes. At 14:30 UTC 3 more dolphins were observed off the bow, porpoising in the swells, and remaining off the bow to mill. These dolphins were observed to porpoise, and bow ride, staying close to the vessel at a distance of 5-10m off the bow.

Detection 38, 10/31/2023: At 14:21 UTC a single dolphin was observed off the port bow at a distance of 100m traveling toward the vessel. The dolphin was observed to porpoise through the swells, and head to the bow. The dolphin was not observed to bow ride, but was observed to swim under the bow to the starboard beam and mill off the beam for a few minutes. At 14:30 UTC 3 more dolphins were observed off the bow, porpoising in the swells, and remaining off the bow to mill. These dolphins were observed to porpoise, and bow ride, staying close to the vessel at a distance of 5-10m off the bow.

Detection 39, 10/31/2023: At 18:00 UTC as Fugro enterprise was leaving the dock a small pod of dolphins was sighted approaching the bow and continued to bow ride through the channel. More dolphins approached and moved along with the Enterprise as we exited the channel. No mitigation was required.

Detection 40, 11/01/2023: At 18:31 UTC PSO on watch observed one dolphin travelling slowly towards the vessel as the Enterprise was running weather patterns. The dolphin swam around the bow of the vessel for 5 minutes before swimming away. No mitigation was required due to there being no active sound source.

Detection 40, 11/4/2023: At 19:02 UTC dolphins were observed off the bow at a distance of 50m from Enterprise bow. These dolphins were observed to slowly surface in the same direction as the vessel, then changed direction to swim towards the boat to the bow. These dolphins were not traveling fast, and were slow in their turns. The dolphins were lost to sight while they swam under the vessel and were not resighted.

Detection 41, 11/4/2023: At 21:56 UTC PSOs on watch observed a single dolphin surface right off the bow at 50 meters before diving underneath the vessel. The dolphin was not sighted again. No mitigation was required due to there being no sound source on.

Detection 1, 10/9/2023: Dolphins first observed off bow at a distance of 200m from bow travelling towards the port of vessel. The dolphins were barely breaking surface of water and slowly travelling to stern of vessel. Lost sight of animals during transit for several minutes before resighting off stern of vessel. During this sighting two groups of dolphins observed, one group of 2-3 animals at initial sighting, then 5 minutes after initial group, another group of 3-5 animals observed off starboard beam travelling in opposite direction of vessel. Both groups merged off stern and were lost to sight while vessel transited out of area.

Detection 2, 10/9/2023: Dolphins were first observed off stbd bow traveling towards vessel at a distance of 200m. When the dolphins were about 100m from vessel they changed direction of travel down the stbd beam of vessel and continued to travel off the stern in the opposite direction. At 14:38 another group of 5 animals was observed off the bow traveling towards vessel and coming as close as 50m while porpoising down the stbd beam to stern. These animals were quickly lost to sight off stern and were lost to sight.

Table 1 Detection records for Protected Species visually detected during the survey

Species	Total visual Detections	Total number of Animals
<i>Tursiops truncatus</i>	144	746
Unidentified Dolphin	3	14
Loggerhead Sea Turtle	1	1

Table 2 Detection summary of dolphins and sea turtles detected during the survey

Dolphins	Bottlenose dolphins	Unidentified dolphins	Loggerhead sea turtle
Number of Detections	144	3	1
Best Estimate (Total) of Individuals Detected	732	2	1
Range of Group Size	1-50	2-2	1-1
Average Group Size	5	2	1
Average Distance at first detection	159 meters	160 meters	200
Detection rate	0.237	0.004	.0016

Species	Source Active		Reduced Volume Source		Source Inactive	
	Detections	Average CPA	Detections	Average CPA	Detections	Average CPA
<i>Tursiops truncatus</i> Bottlenose dolphin	21	276	0	N/A	123	274

Unidentified dolphin	0	N/A	0	N/A	3	271
Loggerhead sea turtle	0	N/A	0	N/A	1	200

Table 3 Average CPA of Protected Species to Seismic source active, inactive and not deployed

Table 2. Visual detections during the reporting period.

Date	Time (UTC)	Detection Number ¹	Common Name	Number of Individuals	Source Activity at Initial Detection	Closest Approach to Source (m) ²	Mitigation Action	Duration of Mitigation Action (HH:MM) ³
09 Oct 23	13:04	FB1	bottlenose dolphin	3	inactive	ND	none	n/a
09 Oct 23	13:06	GF1	unidentified dolphin	8	inactive	ND	none	n/a
09 Oct 23	14:30	GF2	bottlenose dolphin	10	inactive	ND	none	n/a
10 Oct 23	12:49	FB2	bottlenose dolphin	4	inactive	ND	none	n/a
12 Oct 23	13:29	FB3	bottlenose dolphin	5	inactive	20	none	n/a
13 Oct 23	13:10	FB4	bottlenose dolphin	4	inactive	10	none	n/a
13 Oct 23	20:47	FE1	bottlenose dolphin	50	inactive	ND	none	n/a
14 Oct 23	12:27	FE2	bottlenose dolphin	2	inactive	ND	none	n/a
14 Oct 23	17:20	FE3	bottlenose dolphin	2	inactive	ND	none	n/a
14 Oct 23	17:39	FE4	bottlenose dolphin	3	inactive	ND	none	n/a
14 Oct 23	21:21	FB5	unidentified dolphin	2	inactive	300	none	n/a
17 Oct 23	21:59	FE5	bottlenose dolphin	6	inactive	ND	none	n/a
17 Oct 23	23:23	FB6	bottlenose dolphin	40	inactive	5	none	n/a
18 Oct 23	18:45	FB7	bottlenose dolphin	1	inactive	150	none	n/a
18 Oct 23	19:49	FB8	bottlenose dolphin	15	inactive	50	none	n/a
18 Oct 23	21:29	FE6	bottlenose dolphin	3	inactive	ND	none	n/a
18 Oct 23	23:20	FE7	bottlenose dolphin	4	inactive	ND	none	n/a
19 Oct 23	12:47	FE8	bottlenose dolphin	4	inactive	ND	none	n/a
19 Oct 23	15:30	FB9	bottlenose dolphin	5	inactive	50	none	n/a
19 Oct 23	16:07	FB10	bottlenose dolphin	10	inactive	150	none	n/a
19 Oct 23	19:03	FB11	bottlenose dolphin	4	inactive	1000	none	n/a
19 Oct 23	19:12	FB12	loggerhead sea turtle	1	inactive	200	none	n/a
19 Oct 23	22:07	FE9	bottlenose dolphin	3	inactive	ND	none	n/a
20 Oct 23	13:07	FE10	bottlenose dolphin	5	inactive	ND	none	n/a
20 Oct 23	15:57	FB13	bottlenose dolphin	3	inactive	100	none	n/a
20 Oct 23	16:04	FE11	bottlenose dolphin	5	inactive	ND	none	n/a
20 Oct 23	16:57	FB14	bottlenose dolphin	14	inactive	160	none	n/a
20 Oct 23	17:20	FE12	bottlenose dolphin	15	inactive	ND	none	n/a
20 Oct 23	18:52	FE13	bottlenose dolphin	1	inactive	ND	none	n/a
20 Oct 23	19:12	FE14	bottlenose dolphin	20	inactive	ND	none	n/a
20 Oct 23	21:39	FB15, FE15	bottlenose dolphin	3	inactive	100	soft start delay	00:07
21 Oct 23	12:08	FE16, FB16	bottlenose dolphin	10	inactive	600	none	n/a
21 Oct 23	12:39	FB17	bottlenose dolphin	4	inactive	180	soft start delay	00:05
21 Oct 23	13:12	FE17	bottlenose dolphin	20	inactive	3000	none	n/a
21 Oct 23	13:44	FB18	bottlenose dolphin	2	inactive	150	none	n/a
22 Oct 23	12:21	FB19	bottlenose dolphin	2	full power test	680	none	n/a
22 Oct 23	12:30	FB20	bottlenose dolphin	3	full power test	170	none	n/a

22 Oct 23	12:33	FE18	bottlenose dolphin	1	full power test	550	none	n/a
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Date	Time (UTC)	Detection Number ¹	Common Name	Number of Individuals	Source Activity at Initial Detection	Closest Approach to Source (m) ²	Mitigation Action	Duration of Mitigation Action (HH:MM) ³
22 Oct 23	13:49	FB21	bottlenose dolphin	8	full power test	600	none	n/a
22 Oct 23	13:55	FE19	bottlenose dolphin	6	full power test	600	none	n/a
22 Oct 23	19:10	FB22, FE20	bottlenose dolphin	4	full power test	100	none	n/a
23 Oct 23	12:13	FB23	bottlenose dolphin	3	full power test	170	none	n/a
23 Oct 23	15:31	FE21	bottlenose dolphin	2	full power test	300	none	n/a
23 Oct 23	15:43	FB24	bottlenose dolphin	4	full power test	100	none	n/a
23 Oct 23	18:34	FB25	bottlenose dolphin	4	full power test	180	none	n/a
23 Oct 23	21:54	FB26	bottlenose dolphin	8	inactive	160	none	n/a
23 Oct 23	23:27	FE22	bottlenose dolphin	2	inactive	ND	none	n/a
24 Oct 23	13:27	FE23	bottlenose dolphin	8	inactive	5	none	n/a
24 Oct 23	15:14	FB27	bottlenose dolphin	2	inactive	130	none	n/a
24 Oct 23	15:47	FB28	bottlenose dolphin	10	inactive	100	none	n/a
24 Oct 23	15:55	FE24	bottlenose dolphin	6	inactive	250	none	n/a
24 Oct 23	18:39	FB29	bottlenose dolphin	4	inactive	160	none	n/a
25 Oct 23	16:22	FB30	bottlenose dolphin	2	inactive	210	none	n/a
26 Oct 23	12:31	FE25	bottlenose dolphin	1	inactive	ND	none	n/a
26 Oct 23	13:23	FB31	bottlenose dolphin	2	inactive	170	none	n/a
26 Oct 23	14:14	FE26	bottlenose dolphin	2	inactive	ND	none	n/a
26 Oct 23	16:10	FE27	bottlenose dolphin	8	inactive	ND	none	n/a
26 Oct 23	19:02	FB32	bottlenose dolphin	1	inactive	180	none	n/a
26 Oct 23	19:40	FE28	bottlenose dolphin	5	inactive	ND	none	n/a
27 Oct 23	12:37	FE29	bottlenose dolphin	1	inactive	ND	none	n/a
27 Oct 23	13:18	FE30	bottlenose dolphin	4	inactive	ND	none	n/a
27 Oct 23	15:15	FB33	bottlenose dolphin	3	inactive	130	none	n/a
27 Oct 23	15:26	FE31	bottlenose dolphin	8	inactive	ND	none	n/a
27 Oct 23	16:11	FE32	bottlenose dolphin	8	inactive	ND	none	n/a
27 Oct 23	17:09	FB34	bottlenose dolphin	6	inactive	100	none	n/a
28 Oct 23	13:38	FB35	bottlenose dolphin	2	inactive	180	none	n/a
28 Oct 23	15:43	FE33	bottlenose dolphin	12	inactive	ND	none	n/a
28 Oct 23	16:05	FE34	bottlenose dolphin	8	inactive	ND	none	n/a
28 Oct 23	20:18	FE35	bottlenose dolphin	20	inactive	ND	none	n/a
29 Oct 23	16:16	FB36	bottlenose dolphin	1	full power surveying	100	none	n/a
30 Oct 23	14:35	FE36	bottlenose dolphin	1	inactive	ND	none	n/a
30 Oct 23	19:15	FB37	bottlenose dolphin	1	inactive	180	none	n/a
31 Oct 23	13:02	FB38	bottlenose dolphin	2	inactive	170	none	n/a
31 Oct 23	14:21	FE37	bottlenose dolphin	4	inactive	ND	none	n/a
31 Oct 23	16:38	FE38	bottlenose dolphin	2	inactive	ND	none	n/a
31 Oct 23	18:00	FE39	bottlenose dolphin	12	inactive	ND	none	n/a
01 Nov 23	18:31	FE40	bottlenose dolphin	1	inactive	ND	none	n/a
04 Nov 23	19:02	FE41	bottlenose dolphin	5	inactive	550	none	n/a
04 Nov 23	19:30	FB39	bottlenose dolphin	1	inactive	160	soft start delay	00:12
04 Nov 23	21:54	FE42	bottlenose dolphin	1	inactive	ND	none	n/a
07 Nov 23	13:53	GS1	bottlenose dolphin	1	full power surveying	500	none	n/a
07 Nov 23	14:27	GS2	bottlenose dolphin	1	full power surveying	570	none	n/a
07 Nov 23	17:21	GS3	bottlenose dolphin	2	full power surveying	400	none	n/a

Date	Time (UTC)	Detection Number ¹	Common Name	Number of Individuals	Source Activity at Initial Detection	Closest Approach to Source (m) ²	Mitigation Action	Duration of Mitigation Action (HH:MM) ³
07 Nov 23	22:53	FB40	bottlenose dolphin	2	full power surveying	190	none	n/a
10 Nov 23	16:21	FB41	bottlenose dolphin	25	inactive	160	none	n/a
14 Nov 23	15:38	FB42	bottlenose dolphin	35	inactive	180	none	n/a
14 Nov 23	22:49	FB43	bottlenose dolphin	1	inactive	100	none	n/a
14 Nov 23	23:27	FB44	bottlenose dolphin	2	inactive	190	none	n/a
18 Nov 23	19:37	FB45	bottlenose dolphin	6	inactive	116	none	n/a
18 Nov 23	20:11	FB46	bottlenose dolphin	6	inactive	130	none	n/a
18 Nov 23	21:38	FB47	bottlenose dolphin	1	inactive	145	none	n/a
18 Nov 23	22:02	FB48	bottlenose dolphin	2	inactive	116	none	n/a
18 Nov 23	22:36	FB49	bottlenose dolphin	2	inactive	85	none	n/a
20 Nov 23	22:28	FB50	bottlenose dolphin	1	inactive	50	none	n/a
22 Nov 23	14:40	FB51	unidentified dolphin	4	inactive	180	none	n/a
22 Nov 23	15:11	FB52	bottlenose dolphin	3	inactive	120	none	n/a
22 Nov 23	20:28	FB53	bottlenose dolphin	1	inactive	150	none	n/a
22 Nov 23	21:20	FB54	bottlenose dolphin	4	inactive	5	none	n/a
24 Nov 23	20:04	FB55	bottlenose dolphin	1	inactive	200	none	n/a
25 Nov 23	12:45	FB56	bottlenose dolphin	6	inactive	420	none	n/a
25 Nov 23	14:05	FB57	bottlenose dolphin	2	inactive	180	none	n/a
25 Nov 23	15:51	FB58	bottlenose dolphin	4	inactive	180	none	n/a
25 Nov 23	16:35	FB59	bottlenose dolphin	12	inactive	200	none	n/a
25 Nov 23	17:22	FB60	bottlenose dolphin	1	inactive	20	none	n/a
25 Nov 23	18:09	FB61	bottlenose dolphin	4	inactive	20	none	n/a
25 Nov 23	19:54	FB62	bottlenose dolphin	2	inactive	344	none	n/a
25 Nov 23	20:11	FB63	bottlenose dolphin	4	inactive	340	none	n/a
25 Nov 23	20:27	FB64	bottlenose dolphin	2	inactive	200	none	n/a
25 Nov 23	20:55	FB65	bottlenose dolphin	6	inactive	800	none	n/a
26 Nov 23	12:54	FB66	bottlenose dolphin	3	inactive	190	none	n/a
26 Nov 23	13:14	FB67	bottlenose dolphin	1	inactive	190	none	n/a
26 Nov 23	13:53	FB68	bottlenose dolphin	25	inactive	5	none	n/a
30 Nov 23	13:50	FB69	bottlenose dolphin	2	inactive	190	none	n/a
30 Nov 23	15:27	FB70	bottlenose dolphin	1	inactive	190	none	n/a
30 Nov 23	19:25	FB71	bottlenose dolphin	6	inactive	240	none	n/a
30 Nov 23	21:30	FB72	bottlenose dolphin	1	inactive	20	none	n/a
30 Nov 23	22:15	FB73	bottlenose dolphin	2	inactive	50	none	n/a
01 Dec 23	14:27	FB74	bottlenose dolphin	4	inactive	90	none	n/a
01 Dec 23	17:40	FB75	bottlenose dolphin	3	inactive	100	none	n/a
01 Dec 23	20:33	FB76	bottlenose dolphin	3	inactive	140	none	n/a
01 Dec 23	20:58	FB77	bottlenose dolphin	3	inactive	190	none	n/a
02 Dec 23	12:40	FB78	bottlenose dolphin	2	inactive	120	none	n/a
02 Dec 23	13:51	FB79	bottlenose dolphin	3	inactive	120	none	n/a
02 Dec 23	13:52	FB80	bottlenose dolphin	1	inactive	1700	none	n/a
02 Dec 23	14:08	FB81	bottlenose dolphin	1	inactive	600	none	n/a
02 Dec 23	15:25	FB82	bottlenose dolphin	4	inactive	130	none	n/a
02 Dec 23	15:38	FB83	bottlenose dolphin	2	inactive	210	none	n/a
02 Dec 23	16:11	FB84	bottlenose dolphin	2	inactive	400	none	n/a
02 Dec 23	16:57	FB85	bottlenose dolphin	3	inactive	1600	none	n/a
02 Dec 23	18:00	FB86	bottlenose dolphin	1	inactive	200	none	n/a
02 Dec 23	18:59	FB87	bottlenose dolphin	1	inactive	200	none	n/a
02 Dec 23	19:09	FB88	bottlenose dolphin	1	inactive	230	none	n/a
02 Dec 23	19:50	FB89	bottlenose dolphin	1	inactive	120	none	n/a
02 Dec 23	20:38	FB90	bottlenose dolphin	1	inactive	120	none	n/a
02 Dec 23	21:37	FB91	bottlenose dolphin	3	inactive	140	none	n/a
02 Dec 23	21:45	FB92	unidentified dolphin	4	inactive	200	none	n/a

Date	Time (UTC)	Detection Number ¹	Common Name	Number of Individuals	Source Activity at Initial Detection	Closest Approach to Source (m) ²	Mitigation Action	Duration of Mitigation Action (HH:MM) ³
03 Dec 23	14:09	FB93	bottlenose dolphin	3	full power surveying	140	none	n/a
04 Dec 23	12:32	FB94	bottlenose dolphin	1	full power surveying	160	none	n/a
04 Dec 23	15:35	FB95	bottlenose dolphin	2	full power surveying	340	none	n/a
04 Dec 23	15:55	FB96	bottlenose dolphin	1	full power surveying	220	none	n/a
05 Dec 23	20:09	FB97	bottlenose dolphin	2	full power surveying	150	none	n/a
06 Dec 23	13:07	FB98	bottlenose dolphin	2	full power surveying	170	none	n/a
06 Dec 23	21:15	FB99	bottlenose dolphin	1	inactive	500	none	n/a
06 Dec 23	22:06	FB100	bottlenose dolphin	2	inactive	200	none	n/a
06 Dec 23	22:25	FB101	bottlenose dolphin	1	inactive	300	none	n/a

¹ FB = Fugro Brasilis detection

² Includes estimates when the source was not deployed.

³ Duration of mitigation measures calculated as follows: soft start delay is the difference between the time the vessel would have begun soft start had the mitigation zones been clear and the time the PSOs gave clearance to begin soft start; shut-down is the entire period from when the source was turned off plus through the required waiting period following the last observation within the exclusion zone.

MITIGATION ACTIONS

A total of three mitigation actions were implemented during the reporting period, all of which were soft start delays for bottlenose dolphins observed within the 200 m buffer zone during pre-clearance.

The first delay was implemented on 20 October 2023 when a single bottlenose dolphin was observed as it travelled toward the Fugro Brasilis, 100m off the port bow at 21:39 UTC. The dolphin entered the 200m pre-clearance buffer zone at 21:40 UTC when it was observed 20m off the port bow of the Brasilis. The PSOs on the Fugro Enterprise were notified immediately of the detection and when the dolphin entered the buffer zone. The survey team on the Brasilis was also notified of the dolphin detection and the start of soft start was delayed. The last observation of the dolphin by the Brasilis PSO was 21:40 UTC, however the PSOs on the Fugro Enterprise detected the dolphins (now three individuals) at 21:44 UTC. The PSOs on the Enterprise last detected the dolphins within the buffer zone at 21:47 UTC. Clearance to soft start was given at 22:02 UTC, with soft start commencing at 22:08 UTC. The dolphin detection resulted in a 7-minute delay to the start of soft start.

The second delay was implemented on 21 October 2023 when a small group of four bottlenose dolphins was observed 30m off the starboard bow of the Fugro Brasilis at 12:39 UTC. The dolphins were heading in a north-westerly direction toward the bow of the vessel and crossed into the 200m pre-clearance buffer zone shortly after the initial observation. The PSOs on the Enterprise and the survey team on the Brasilis were notified of the observation and soft start was delayed. The dolphins were last observed at 12:40 UTC when they dove under the bow of the vessel. Clearance to begin soft start was given at 12:55 UTC, however survey was not ready to begin soft start at the time and pre-clearance continued. The dolphin detection would have resulted in a 5-minute delay, but pre-clearance and the start of operations was postponed at 13:03 UTC when the Enterprise was called away for node protection duties and the PSOs could no longer monitor the mitigation zones. The CPA to the vessel was 10m, while the CPA to the source (deployed and inactive) was 180m.

A third soft start delay was implemented on 04 November 2023 when a single bottlenose dolphin was observed 10m off the starboard beam of the Fugro Brasilis, placing the dolphin within the 200m pre-clearance buffer zone at 19:30 UTC. The PSOs on the Enterprise and the survey team on the Brasilis were notified of the detection and the start of soft start was delayed. The dolphin was observed milling in the area off the starboard beam and bow. The dolphin was observed 50m off the starboard bow and outside the 200m buffer zone at 19:33 UTC, however the dolphin moved back into the buffer zone less than one minute later. The dolphin was last observed 100m off the starboard beam at 19:38 UTC. The behavior of the dolphin was unchanged throughout the detection. The CPA to the vessel was 5m, while the CPA to the inactive source was 160m. The vessel was preparing to deploy the starboard airgun array when the dolphin was first observed. Deployment of the airgun array began at 19:31 UTC and was completed at 19:41 UTC. Clearance to begin soft start was given at 19:53 UTC, 15 minutes after the dolphin was last observed while within the 200m buffer zone. Soft start began at 19:53 UTC. The dolphin detection resulted in a 12-minute delay to soft start.

PHOTOGRAPHS OF DETECTIONS



Figure 2. Bottlenose dolphins (*Tursiops truncatus*) detected by PSOs on the Fugro Enterprise on 20 October 2023 (Enterprise detection 15). Photo credit: Flor Guerrero.



Figure 3. Bottlenose dolphins (*Tursiops truncatus*) detected by PSOs on the Fugro Enterprise on 21 October 2023 (Enterprise detection 17). Photo credit: Flor Guerrero.



Figure 4. Bottlenose dolphins (*Tursiops truncatus*) detected by PSOs on the Fugro Enterprise on 28 October 2023 (Enterprise detection 35). Photo credit: Flor Guerrero.



Figure 5. Bottlenose dolphins (*Tursiops truncatus*) amongst multiple species of birds detected by PSOs on the Fugro Brasilis on 25 November 2023 (Brasilis detection 59). Photo credit: Christina Mehle.



Figure 6. Bottlenose dolphins (*Tursiops truncatus*) detected by PSOs on the Fugro Brasilis on 01 December 2023 (Brasilis detection 75). Photo credit: Erico Demari.



Figure 7. Bottlenose dolphins (*Tursiops truncatus*) detected by PSOs on the Fugro Brasilis on 01 December 2023 (Brasilis detection 75). Photo credit: Erico Demari.



Figure 8. Bottlenose dolphins (*Tursiops truncatus*) detected by PSOs on the Fugro Brasilis on 05 December 2023 (Brasilis detection 97). Photo credit: Erico Demari.

WEATHER CONDITIONS

During this reporting period, observation conditions were mostly good, with slight sea surface conditions, swells less than 2m, and low Beaufort sea states (B3 and below). Wind speeds up to 30 knots were noted, however winds were typically less than 10 knots. Visual distance (how far the PSO could see with the unaided eye) was greater than 5km for 64% of the monitoring effort. Moderate to dense fog limited the visibility to less than 5km on 01 and 02 December 2023, contributing to the 36% of the monitoring effort with visibility less than 5km. Elevated Beaufort sea states (B4 and above), choppy to rough sea surface conditions, swells greater than 2m, and fog made protected species detection more difficult and were scaled as “poor” on a visual quality gradient. detections were more likely during these periods due to increased intensity of white caps and spray. The weather conditions for this reporting period are summarized below in **Figures 9 and 10**.

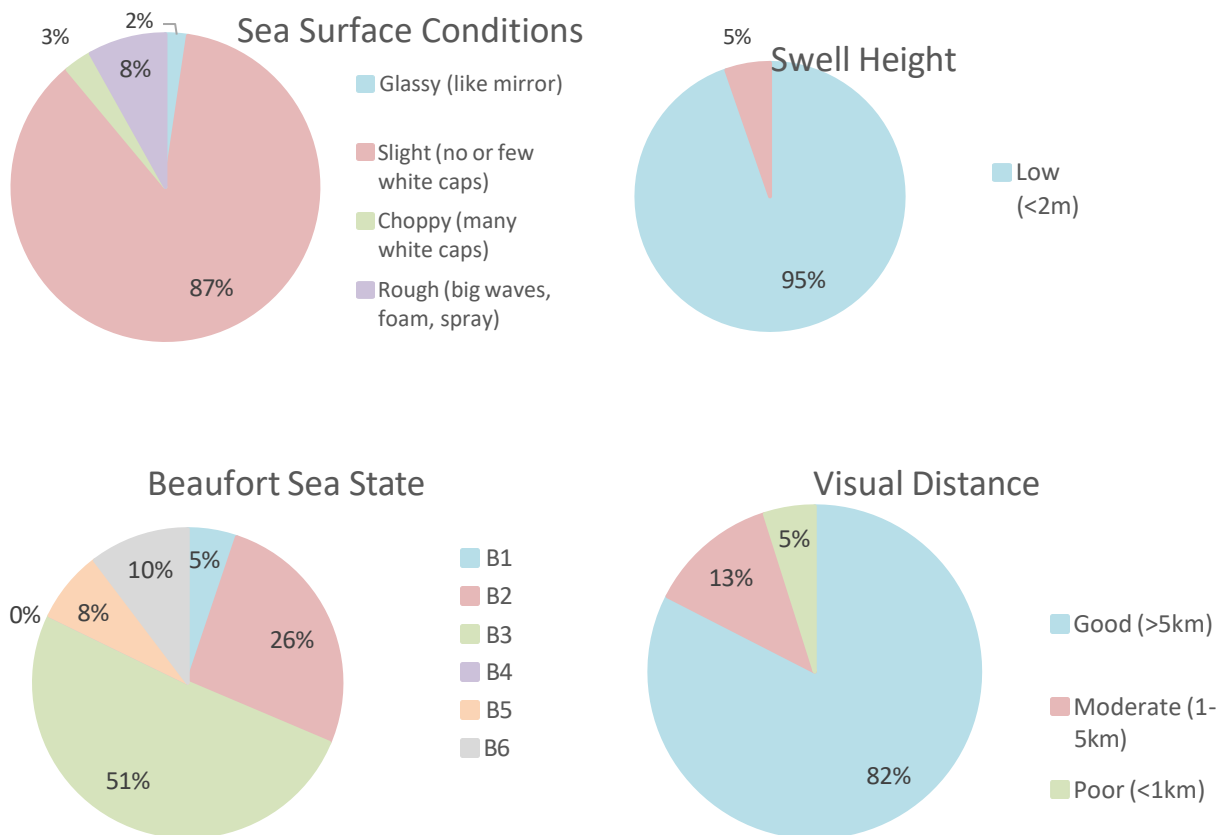


Figure 9. Weather conditions as percent of visual monitoring effort for sea surface conditions, swell height, Beaufort sea state, and visual distance.

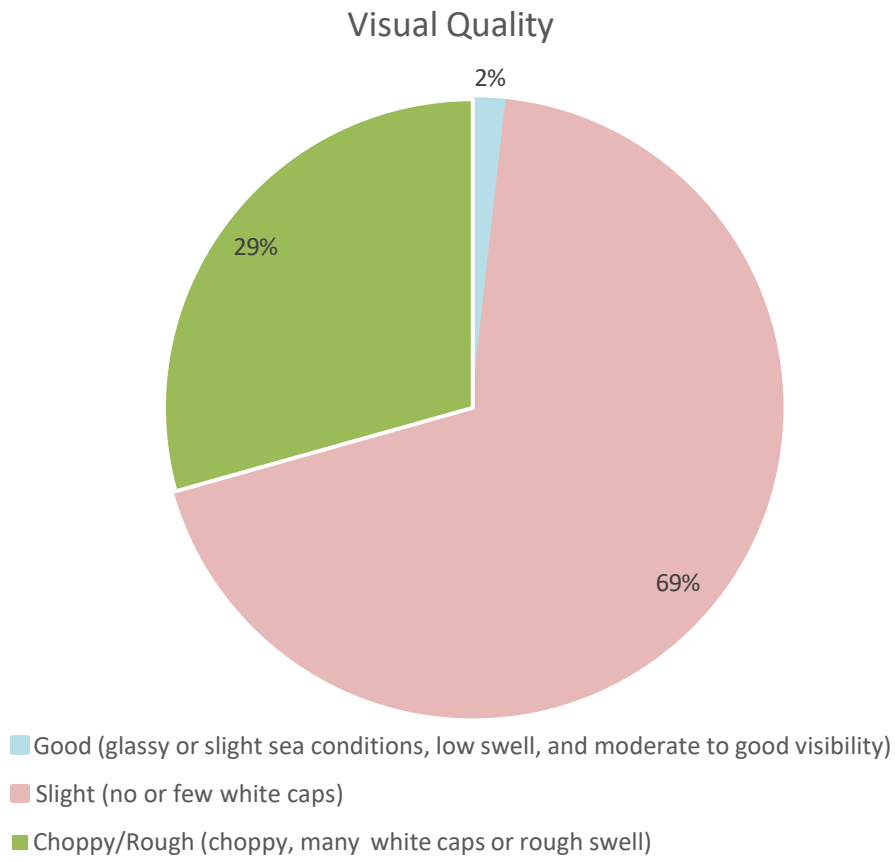


Figure 10. Visual quality as a percent of the visual monitoring effort.

SOURCE OPERATIONS

The Fugro Brasilis utilized the Sercel G-gun dual with a 120cu. in.volume as the seismic source and completed deployment and commenced source testing in box 2 of the ExxonMobil High Island and Galveston lease areas on 20 October 2023. Source testing was completed on 29 October 2023 and the vessel transitioned into data acquisition on the same day. There was a total of eight survey days over the course of this reporting period.

At the start of the survey, source testing of multiple airgun configurations ranging in total volume from 120 to 150 in³ was conducted. The results of the testing indicated that dual source, flip-flop activation with a shot-point interval of 1.6 s and a total source volume of 120 in³ provided the best resolution data. Troubleshooting of the seismic streamers and airgun arrays took place periodically throughout the reporting period. In all cases the issues were resolved within a few hours.

All but five infills in box 2 were completed by 09 November 2023. Acquisition in box 4 commenced on 15 November 2023 and continued through 30 November.

The Fugro Brasilis completed 3D data acquisition in box 4 and box 2 of the High Island and Galveston lease areas on 06 December 2023. All survey equipment was recovered and secured to deck by 07 December 2023. There was a total of 30 survey days over the course of this reporting period.

The PSO team completed a total of 21 pre-clearance monitoring periods over the course of the survey and they are broken down by month in the following paragraphs.

In October 2023, The PSO team completed eight pre-clearance monitoring periods, two of which were aborted after the Fugro Enterprise broke away from the Fugro Brasilis to conduct chase vessel operations. The source was also shutdown once on 28 October 2023 when the Fugro Enterprise was called away to perform chase vessel duties and the PSOs could no longer monitor the mitigation zones around the airguns deployed from the Fugro Brasilis. A total of nine soft starts were completed, three of which took place at night and did not require a pre-clearance (no PSO monitoring at night).

In November 2023, the PSO team completed 12 pre-clearance monitoring periods. The source was shutdown twice on 04 November 2023 and once on 06 November 2023 when the Fugro Enterprise was called away to perform chase vessel duties and the PSOs could no longer monitor the mitigation zones around the airguns deployed from the Fugro Brasilis. A total of 19 soft starts were completed, seven of which took place at night and did not require a pre-clearance (no PSO monitoring at night).

And finally, in December 2023, the PSO team started pre-clearance monitoring for soft start on 02 December 2023, however soft start did not commence until 3 minutes after the PSOs ended their watch due to darkness. The mitigation zones were free of protected species in the final 01 hour 55 minutes of the PSO watch. Two soft starts were completed, both of which took place at night and did not require a pre-clearance (no PSO monitoring at night).

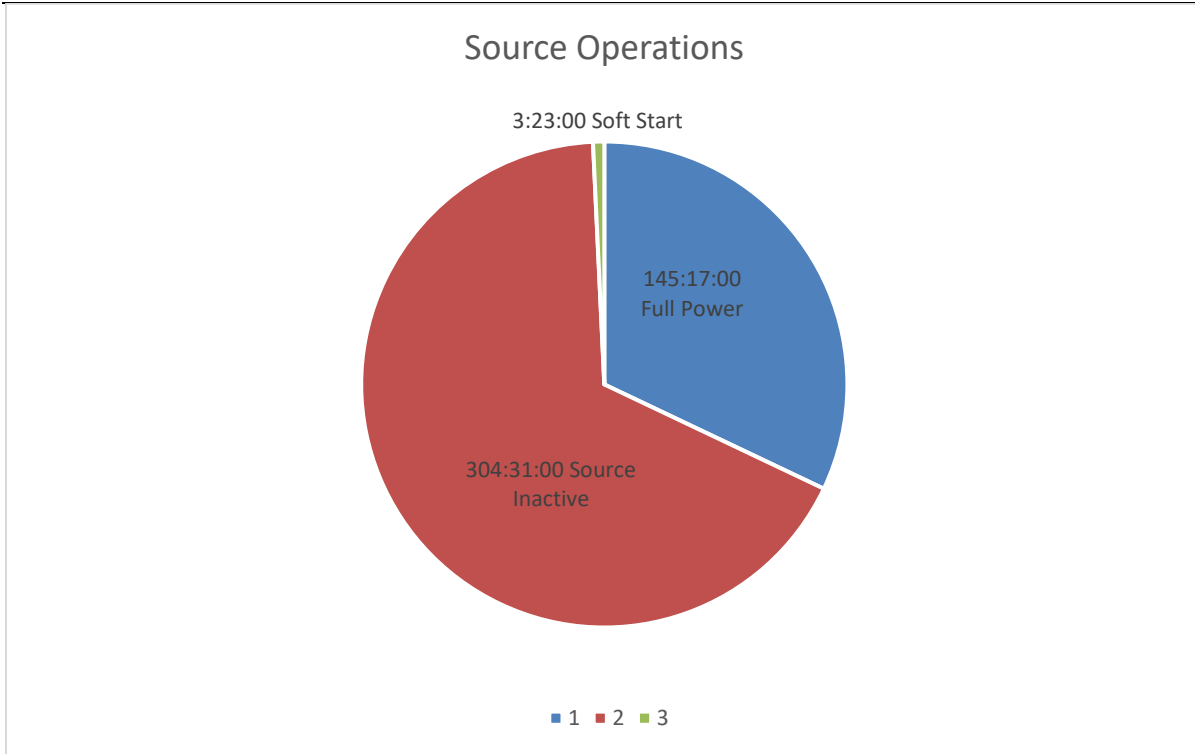


Table 4 Source Operation Totals

A total of 231 survey lines (including full and partial lines) were completed, in addition to 50 test lines (also including full and partial lines). Of the 231, survey lines, 49% (113) were conducted during daylight hours. The remaining 51% (118) were performed at night.

Figure 11 compares the number of soft starts and source tests during the day versus at night. All source activity is detailed in **Appendix 1**.

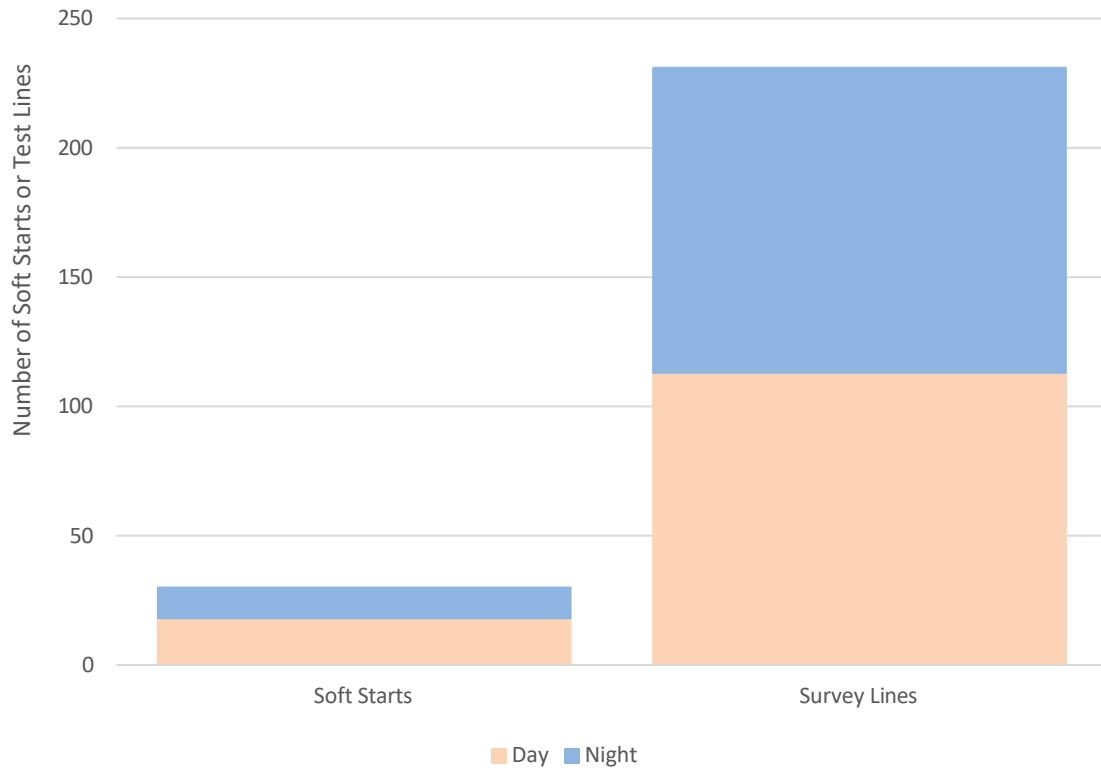


Figure 11. Number of soft starts and survey lines during day and night

Figure 12 shows the percentage of protected species detection by source activity. The source was active at full power for 87% of the protected species detections, while 13% were observed while the source was inactive.

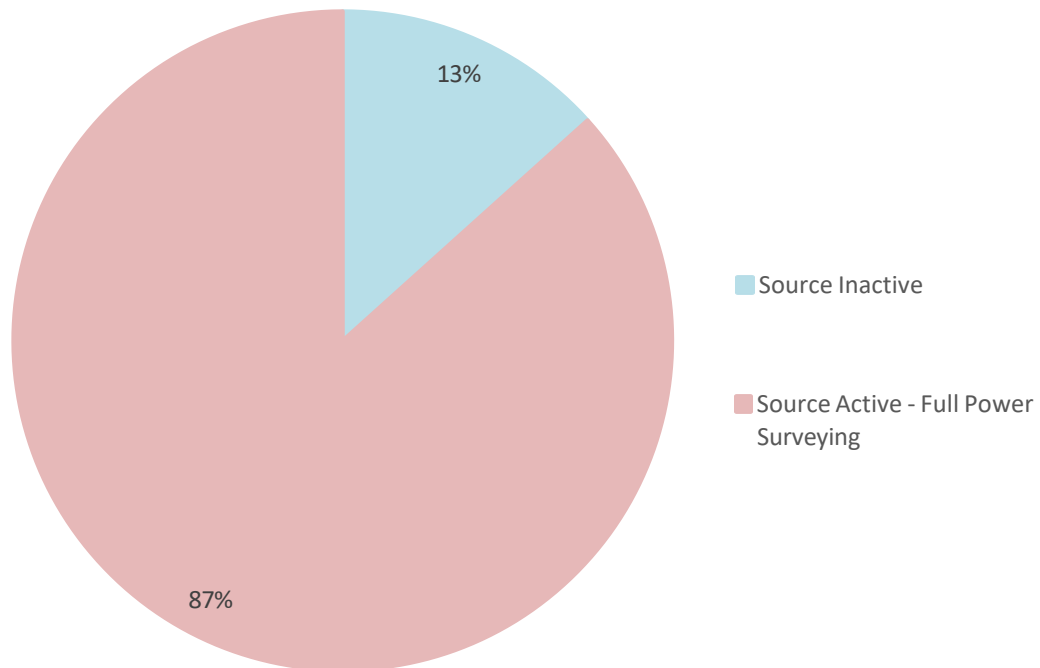


Figure 8. Percent of protected species detections by source activity.

Communication between the PSOs on the Fugro Brasilis and the survey team were good. Communications between the PSOs and the survey team on the Fugro Brasilis were made verbally.

APPENDIX 1: PSO DATA FORMS

PSO monitoring effort, protected species detections, and source operations are included in Excel spreadsheet attached with this report.



3D Marine Seismic Survey

PSO Final Report
Marine Seismic Survey
EPI Report No. E001671

Client: ExxonMobil
Area: High Island, Galveston TX, Gulf of Mexico
BOEM REF# Ancillary Activities Plan A-00033
Order No: A4019063
Fugro Project No: 02.00227312
Dates: 01 February – 06 April 2024
Contractor: Fugro
Vessel: Go Seeker

Nicole James, John Cooney, Mackenzie Pfeifer, Morgan Dansby

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Table 4 Detection summary of dolphins detected during the survey 40

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EXECUTIVE SUMMARY

This report covers the period 6 February 2024 – 8 April 2024. Throughout the survey period a team of either four or five Protected Species Observers (PSOs) were on board the *Go Seeker* to conduct visual observations. The PSOs are certified by NMFS/BOEM and have previous survey experience. The *Go Seeker* conducted deployment, retrieval, and performed survey acquisition in blocks HI105, HI106, HI107, HI120, HI61, HI62, HI96, HI97, HI98, TSWN and TSW-N offshore High Island Galveston Texas during this time. During this reporting period survey lines with the Deep 36 Sub-bottom profiler and Double Bubble Gun have been conducted. Please refer to **Appendix 1** Visual Effort sheet for details on observation data and **Table 1.** for a report overview.

Table 1 Report Overview

REPORT OVERVIEW
BOEM REF# Ancillary Activities Plan A-00033
Sercel G-Gun, dual source 120 cu. In. (flip flop)
There were 57 active survey days for the duration of this survey, between the period 6 February 2024 – 8 April 2024
Visual observation time totaled 632:08 (hh:mm)
The total number of Deep 36 and/or Double Bubble Gun survey lines (attempts at or full finish of line) from the first production day to last was 515.
There were 248 visual observations.
There were 0 mitigation actions required for this survey period.
There were 0 non-compliance issues.
There was 1 mitigation action – a delay to ramp up on 30 March 2024

Source Operations

RECORD OF OPERATIONS

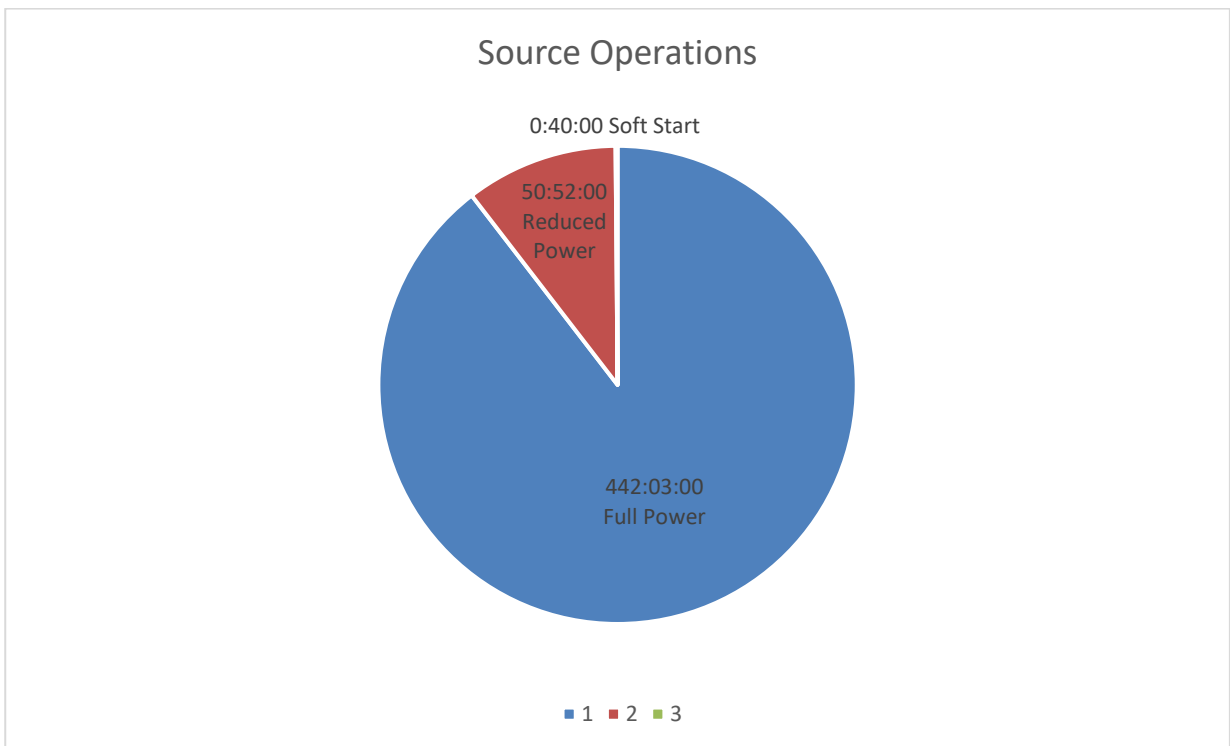
The *Go Seeker* utilized the Sercel G-gun dual with a 120cu. in. volume as the seismic source and surveyed offshore High

Island, Galveston Texas beginning on 6 February 2024 – 8 April 2024, in blocks HI105, HI106, HI107, HI120, HI61, HI62, HI96, HI97, HI98, TSWN and TSW-N offshore High Island Galveston Texas.

There were a total of 57 survey days over the course of this reporting period, and 515 survey lines completed.

Source operations for this project included the use of a Sub Bottom Profiler (SBP) and the Sercel G-Gun 120cu. in. as sources. For recording purposes, periods of activated SBP and inactive airgun (seismic source) were noted with an r, for reduced power, and periods where both SBP and seismic source were active, were noted as f, for full power. If there was a period lasting longer than 30 minutes where both SBP and seismic source were inactive then a ramp up or soft start was initiated and recorded. PSOs were not required to maintain watch during dark overnight hours, so source operations reflected in this summary and in Figure 1 are congruent with visual observations. Total time for full power active source was 442:03:00 and total time for reduced power source activity was 50:52:00. There were eight total ramp-up or soft start procedures for a total of 00:40:00 of soft start source operations. See Appendices 1 and 3 attached and Table 2 below for details.

Figure 1 Source Operations



There were five pre-survey watch conducted by visual observation.

There were six soft start/ramp-ups during daylight hours.

There were zero shutdowns.

A total of 63% of sightings during this reporting period were observed while the Deep 36 Sub-bottom profiler and Bubble Gun were firing at full power. A total of 6% of sightings during this reporting period were observed during reduced power while only the Deep-36 Sub-bottom profiler was active. A total of 31% of sightings during this reporting period were observed while both sources were silent. The percentage of sightings during source activity is shown in **Figure 7**.

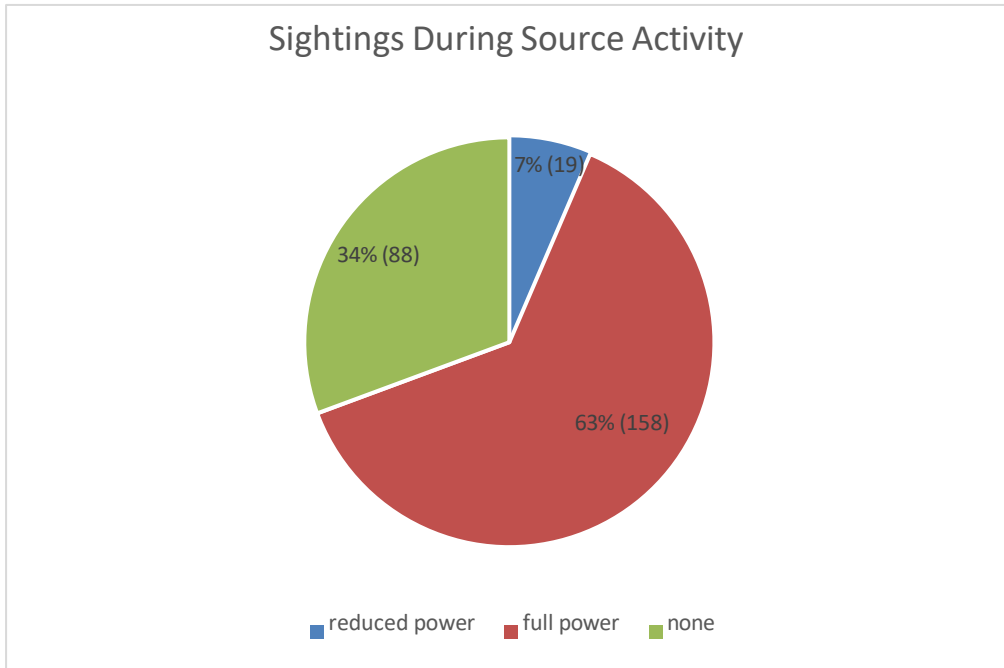


Figure 2 Source Activity During Detections

Communication has been effective between PSOs, survey crew, and boat crew.

Survey operations have been conducted in compliance with guidelines set forth for the project.

The record of operations form in **Appendix 3** details the operations which took place during this reporting period.

PSO MONITORING EFFORT

During this reporting period, the PSOs maintained watch from the bridge, where a 360-degree view of the exclusion zone was best achieved. Visual observations for protected species were conducted during daylight hours. The PSOs completed 632 hours and 08 minutes of visual observation effort. These efforts are depicted in **Table 2 - Visual Monitoring Effort** and recorded on the Visual Effort sheet located in **Appendix 1**. **Figure 2** illustrates the total time (632:08) where visual observation was conducted while the source was active (150:22) and during Deep 36 Sub-bottom profiler and Bubble gun silence (150:22).

Table 2 Visual Monitoring Effort

Monitoring Type	During Firing	During Non-Operations	Total Monitoring Effort
Visual-Day	Project Total 481:22	Project Total 150:22	Project Total 632:08

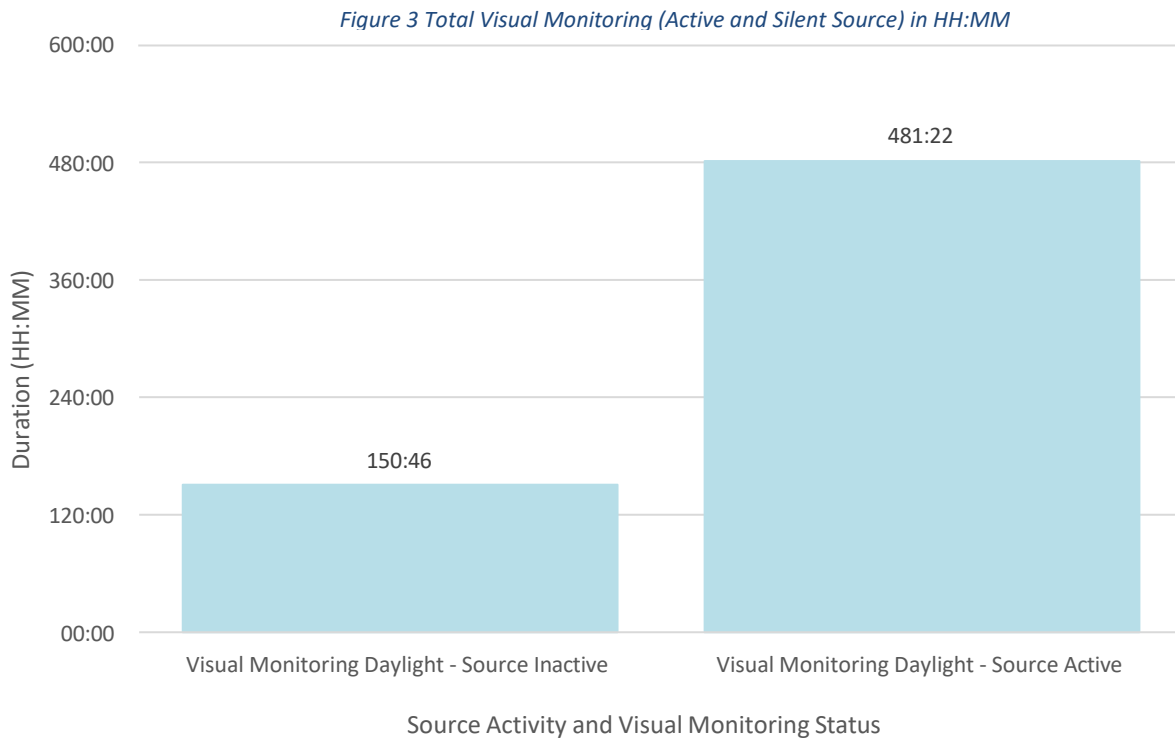


Figure 1 - Total Visual Monitoring (Active and Silent Source) in HH:MM

WEATHER CONDITIONS

During this reporting period, visibility conditions for visual observation were 92% good, 8% moderate to poor. Regarding sea conditions, a total of 2% were glassy like a mirror, 72% were slight with few to no white caps, 25% were choppy with many white caps, and 1% were rough with big waves, foam, and spray. The wind force ranged between Beaufort 1 and 5. The swell ranged from 0.5m to 2.1 m throughout the survey. The weather conditions for this reporting period are shown below in **Figures 4, 5, 6, 7 & 8**.

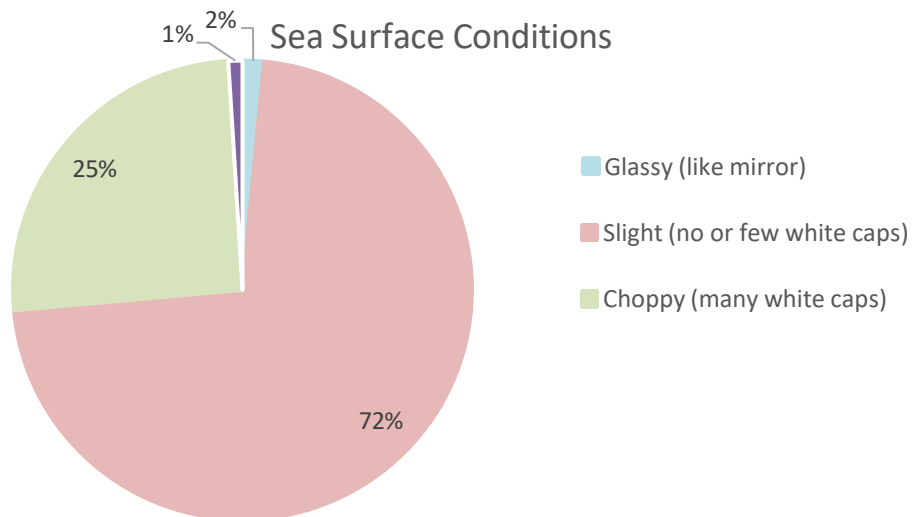


Figure 4 Sea Surface Conditions

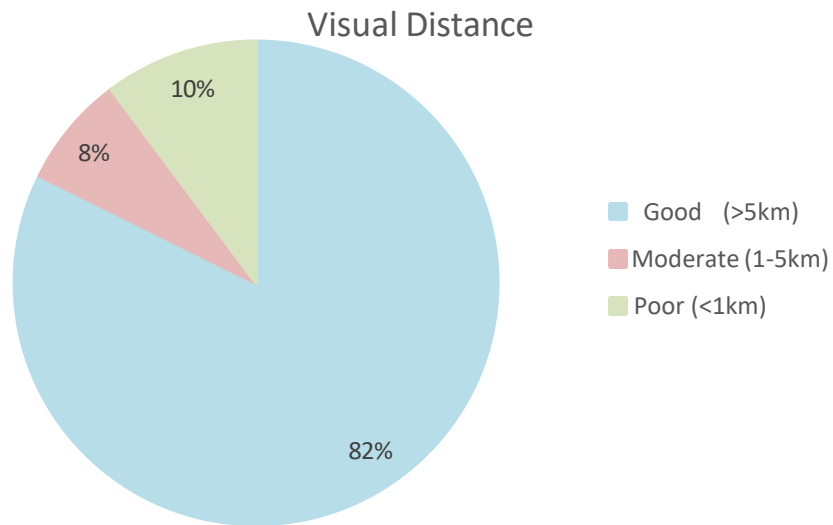


Figure 5 Visual Distance

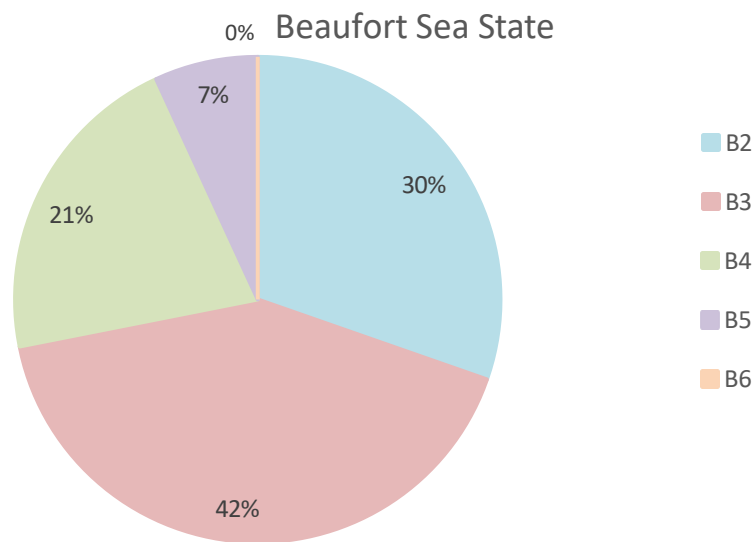


Figure 6 Beaufort Sea State

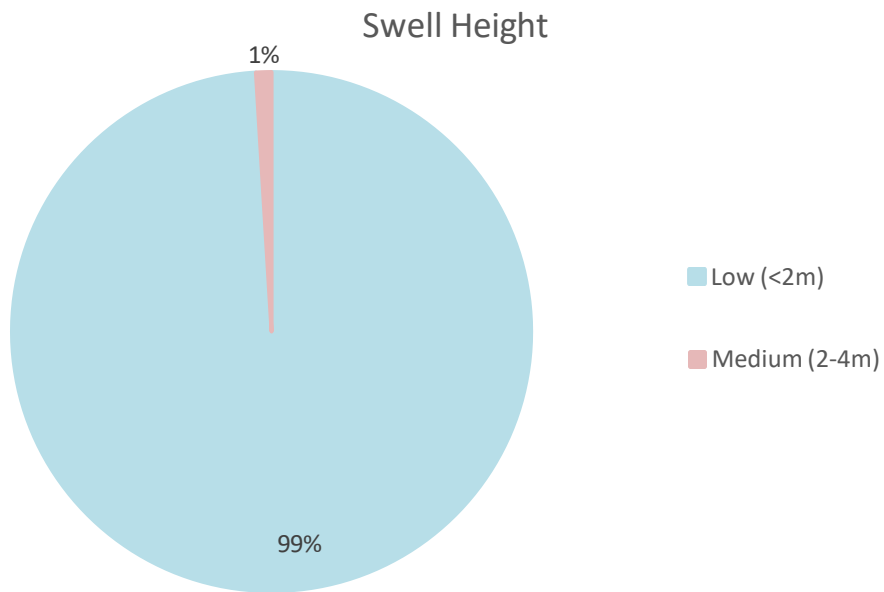


Figure 7 Swell Height

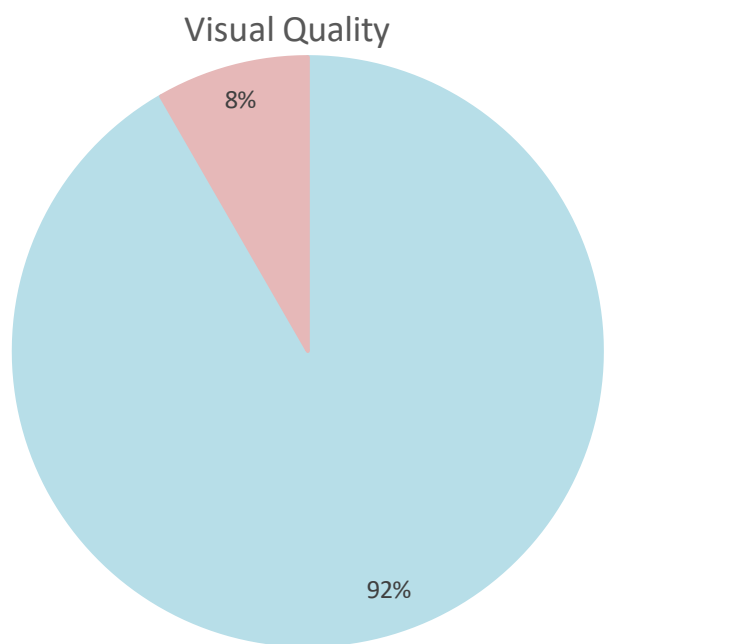


Figure 8 Visual Quality Based on Sea State

- Good (glassy or slight sea conditions, low swell, and moderate to good visibility)
- Poor (choppy or rough sea conditions, poor visibility, medium to high swell)

MITIGATION ACTIONS

There was one delay to soft start/ramp-up, resulting in a 48-minute delay to initiation of source on 30 March 2024. This delay occurred during Sighting #186 during the 30-minute preclearance per

MARINE MAMMAL AND SEA TURTLE SIGHTINGS

There were a total of 265 marine mammal detections during this survey. Of the total 265 marine mammal detections 228 were group detections and 200 of the group detections occurred while the source was active. There were 37 detections of individual marine mammals and 28 of those individual detections occurred while the source was active. Marine mammal detections occurred at a rate of approximately one every 2 hours and 24 minutes.

Sighting #1

At 19:10 UTC splashes were seen through the binoculars at 2000m in the 1 o'clock direction relative to the vessel heading of 126 degrees. Upon further inspection 3 bottlenose dolphins were seen milling around where sea birds were diving. The same group was still milling at 19:15 in the 1 o'clock direction at 1500m. At 19:20 a single bottlenose approached the vessel to 250 in the 3 o'clock direction. The animal dove and was not seen again. The animal did not enter the BZ or EZ. No mitigation required.

Sighting #2

At 19:48 UTC birds diving and splashing were observed through the naked eye at 200m in the 3 o'clock direction relative to the vessel heading of 212 degrees. Further investigation revealed 4 bottlenose dolphins porpoising in the area where the birds were diving. The group then moved to the starboard stern heading in the 6 o'clock direction and approached the active source, making their closest approach at 10m at 19:55 UTC. The group did enter the BZ and EZ which led to the potential exposure to the sound source. At 19:58 UTC the group dove out of sight and did not return. No mitigation required.

Sighting #3

At 13:56 UTC two bottlenose dolphins were observed surfacing at the bow of the vessel. They were swimming and diving at the bow of the vessel in the same direction. They didn't change their behaviour as the vessel moved forward. At 13:59 UTC was the last sighting. No mitigation required.

Sighting #4

At 15:43 UTC a water disturbance was sighted through the naked eye at 10m in the 1 o'clock direction relative to the vessel heading of 302 degrees. Further investigation led to the sighting of 4 bottlenose dolphins that were observed surfacing and traveling at a fast rate. The group continued this behaviour until 15:45 UTC where they made their closest approach to the vessel at 5m. The group then turned and dove out of sight in the 4 o'clock direction relative to the vessel heading of 302 degrees at 15:46 UTC and were not seen again. No mitigation required. Visual evidence of sighting #4 may be referenced in the Photographs of Sightings section in **Figure 8**.

Sighting #5

At 17:30 UTC a bottlenose dolphin was observed 20 meters off the starboard bow heading towards the vessel and then dove under the bow out of sight and did not return. No mitigation required.

Sighting #6

At 17:58 UTC, a group of dolphins was spotted at 200m traveling toward the vessel from the 11:30 direction in relation to the vessel's heading of 185 degrees. The bottlenose dolphins continued to travel towards the vessel, diving under the bow at 18:57UTC. At 18:59 UTC the dolphins were seen milling at 100m in the 9:00 direction. The animals were last seen at 19:02 UTC swimming away from the vessel in the 7:00 direction at 500m.

Sighting #7

At 22:00 UTC a group of bottlenose dolphins 20m in front of the vessel, traveling toward the vessel from the 12:00 direction in relation to the vessel's heading of 353 degrees. The dolphins approached the port bow of the vessel, swimming along the port side until they crossed under the boat to the starboard side of the vessel at 22:05 UTC. They swam along the starboard bow until 22:09 UTC, when they swam toward the back of the vessel, behind the stern, and then away from the vessel in the 9:00 direction in relation to the vessel's heading. They swam out to approximately 1000m from the vessel, swimming parallel with the vessel at that distance. They then turned back toward the vessel and re-approached the bow at 22:22 UTC. They crossed under the bow to the starboard side, and swam along the bow until 22:27 UTC, when they crossed under the ship one last time, and swam off in the 8:00 direction in relation to the vessel's heading. They were last seen at 22:29 UTC swimming away from the vessel at 1000m.

Sighting #8

At 23:08 UTC in the 11 o'clock direction a splash was noticed under a few birds. Short after two bottlenose dolphins were seen porpoise in the same area 200m from the vessel. At 23:09 the animals seen porpoise further aft, and were never sighted again.

Sighting #9

At 21:53 during transit in the Galveston channel, two bottlenose dolphins were observed in the starboard side in the opposite direction of the vessel swimming and surfacing and were not seen again until 22:03 UTC. They were spotted on the starboard side, approximately 20 meters from the vessel. More dolphins approached the vessel from the 1:00 and 3:00 directions in relation to the vessel's heading. They continued to swim along the starboard side of the vessel, bow riding occasionally, until 22:16 UTC. They were last seen in the 5:00 direction in relation to the vessel's heading, at approximately 150 meters. No mitigation required.

Sighting #10

At 23:39 UTC a single bottlenose dolphin porpoised at 10m off the bow. The animal was traveling towards the vessel. It was not sighted a second time. No mitigation required.

Sighting #11

At 16:30 UTC a bottlenose dolphin was observed at 30 meters off the vessel on the starboard bow side surfacing and fast travel in the same direction of the vessel. It was not sighted a second time. The bubble gun was on, but no mitigation required. A potential exposure was recorded.

Sighting #12

At 16:56 UTC a pair of bottlenose dolphins were spotted at 40 meters at 10 o'clock relative to the vessel heading of 218 degrees. The pair of dolphins displayed bow riding behaviours with variable direction of travel until 17:06 UTC. Shortly after a larger group of bottlenose dolphins arrived off the starboard side of the vessel at 1 o'clock relative to the vessel heading of 218 degrees. The dolphins continued to swim by the boat. Two were observed traveling toward the boat to bow ride, where one was determined to be a juvenile. The group continued to bow ride, as well as swim ahead of the starboard side of the vessel. They were last seen at 17:26 UTC in the 7:00 direction in relation to the vessel's heading, at 300 meters behind the stern of the vessel. No mitigation required.

Sighting #13

At 17:48 UTC during the recovery of the gear a pod of bottlenose dolphins were spotted at 30 meters at 7 o'clock relative to the vessel heading 210 degrees. The dolphins were milling off the starboard stern and appeared to be feeding on fish. Birds were feeding in the same area that the dolphins were milling. This continued until 17:58 UTC when a group of six of them broke off and travelled toward the vessel. This group was swimming back and forth under the vessel but spent most of their time milling around the port bow. At 18:05 UTC, the rest of the dolphins joined the others by the vessel. There were at least 12 adults, and two juveniles were sighted. The whole group of dolphins continued milling by the boat as the vessel was not moving quickly, bow riding and swimming back and forth under the vessel. Tail slapping was observed several times. This continued until the vessel kicked into gear at 18:18 UTC and began transiting toward the anchorage. The dolphins remained milling where the vessel had been. They were last seen at 18:21 UTC in the 6:00 direction in relation to the vessel's heading of 283 degrees, at 1000 meters. No mitigation required.

Sighting #14

At 19:22 UTC a group of 5 bottlenose dolphins was seen porpoise at 50m in the 11 o'clock direction relative to the vessel course of 265 degrees. Then animals were swimming as a group and porpoised multiple times before making the final dive under the vessel less than one minute after the original sighting.. The animals were not seen again after diving under the bow. VSA watch. No mitigation required.

Sighting #15

At 13:40 UTC. Two dolphins were spotted traveling toward the vessel from the 3:30 direction in relation to the vessel's heading of 250 degrees, at 200 meters. They travelled toward the vessel, and turned once they were even with the starboard midships, at a distance of approximately 50 meters. They travelled back toward the stern, before veering away from the vessel. They were last seen traveling in the 5:00 direction in relation to the vessel's heading, at a distance of 1000 meters. The bubble gun was firing at full power, but no mitigation was required.

Sighting #16

At 13:58 UTC a pair of bottlenose dolphins was seen directly in front of the vessel at 50m with a bearing of 250 degrees to the animals. The dolphins travelled towards the vessel then, then left the area heading in the 3 o'clock direction. At 14:13 the group of animals was seen milling under a couple of birds in the 3 o'clock direction at 500m distance. This pod approached the vessel, but turned away at 200m, and left the area. At 14:26 two individuals approached the vessel in the 11:30 direction, coming inside 100m from the source, then diving, and were never seen again. At 14:56 UTC a single individual was seen at 200m in the 1 o'clock direction. While there were 6 individuals sighted, only two entered the EZ and are recorded as an exposure. The bubble gun was firing at full power, but no mitigation was required.

Sighting #17

At 15:45 UTC a pair of bottlenose dolphins were spotted 200 meters directly in front of the bow at 12 o'clock relative to the vessel's heading of 69 degrees. The pair then dove below the boat and were next spotted swimming alongside the streamer off the starboard stern. At 15:46 UTC the dolphins made their closest approach to the source at 20 meters. The dolphins were last spotted at 15:49 UTC traveling in the 1 o'clock direction relative to the vessel's heading. The bubble gun was firing at full power, but no mitigation was required.

Sighting #18

At 18:46 UTC 2 bottlenose dolphins were seen on the 11:30 direction at 100m relative to the vessel course of 244 degrees. The two dolphins were swimming towards the vessel, porpoising multiple time, then at 10m off the bow they dove under the vessel and were not seen again. At 19:00 the pair was seen 100m off the vessel in the 1:00 o'clock direction. This single animal swam towards the vessel, to 10m and again dove under the bow. The bubble gun was on at full power. A potential exposure occurred. At 19:45 UTC a group of 3 dolphins were seen at 500m in the 12 o'clock direction relative to the vessel's heading of 73 degrees. The group then swam towards the boat and dove under the bow. The group was last spotted off the starboard stern at 19:46 UTC heading in the 3 o'clock direction relative to the vessel's heading. No mitigation was required.

Sighting #19

At 21:22 UTC, a dolphin was spotted swimming toward the vessel from the 12:00 direction in relation to the vessel's heading of 213 degrees, at a distance of 30 meters. Just two minutes later another dolphin was spotted swimming toward the vessel from the 3:00 direction in relation to the vessel's heading, at a distance of 100 meters. The dolphins began to swim large circles around the vessel and survey gear. They were joined by two more dolphins, who began to bow ride, switching sides frequently between the port and starboard bow. The four dolphins were last seen at 21:54 UTC swimming away from the vessel in the 7:00 direction in relation to the vessel's heading, at a distance of 1000 meters. The bubble gun was firing at full power, but no mitigation was required.

Sighting #21

At 14:33 UTC, two dolphins were spotted fast traveling toward the vessel from the 1:00 direction in relation to the vessel's heading. They surfaced twice before diving under the bow at 14:34 UTC. They were not sighted again. No mitigation required.

Sighting #22

At 15:06 UTC a single bottlenose dolphin was spotted 50m off the port bow vessel, porpoising under a small flock of seagulls in the 11 o'clock direction relative to the vessel heading of 244 degrees. The animal travelled quickly, approaching the vessel, swimming under the bow then exiting on the starboard side travelling in the 2 o'clock direction. The animal could be seen leaving, swimming right below the water's surface. The bubble gun was active, but no mitigation was required.

Sighting #23

At 17:06 UTC, two dolphins were spotted fast traveling toward the vessel from the 1:00 direction in relation to the vessel's heading. They were only sighted once before diving under the bow at 17:07 UTC. They were not sighted again. No mitigation required.

Sighting #24

At 17:48 UTC a single dolphin was spotted fast traveling along the vessel, at a distance of 100 meters, in the 8:00 direction in relation to the vessel's heading of 78 degrees. The dolphin continued to fast travel until it was even with the port midships, at a distance of 100 meters. At 17:50 the dolphin began slowing until it was even with the streamer at a distance of approximately 50 meters. The dolphin continued to swim off the port stern, near the streamers though it was swimming slower than the vessel, so the distance between the dolphin and the vessel was steadily increasing. The dolphin was last seen at 17:59 UTC in the 6:30 direction in relation to the vessel's heading, at a distance of 500 meters.

Sighting #25

At 18:46 UTC two dolphins were seen fast traveling toward the boat from the 3:00 direction in relation to the vessel's heading of 235 degrees, at a distance of 150 meters. The dolphins surfaced three times before they dove under the vessel and were not seen again at 18:48 UTC.

Sighting #26

At 20:04 UTC a group of three bottlenose dolphins were spotted in the 2 o'clock direction relative to the vessel's heading of 241 degrees. The group was traveling at a fast rate of travel and variable direction. At 20:07 UTC the group made their closest approach to the active source at 20 meters, resulting in a potential exposure. The group then dove and were not spotted again. No mitigation was required.

Sighting #27

At 22:48 UTC three adult dolphins and one juvenile dolphin were sighted fast traveling toward the boat in the 12:00 direction in relation to the vessel's heading of 119 degrees, at a distance of 10 meters. The dolphins surfaced twice before they dove at 22:49 UTC and were not sighted again.

Sighting #28

At 21:15 during transit in the harbor channel, two bottlenose dolphins were observed towards the bow of the vessel on the starboard side, approximately 30 meters from the vessel. More dolphins approached the vessel from the 1:00, 3:00 and 11:00 directions in relation to the vessel's heading. They continued to swim along the starboard and port side of the vessel, bow riding occasionally, until 22:33 UTC. They were last seen in the 7:00 direction in relation to the vessel's heading, at a distance of approximately 100 meters. No mitigation required.

Sighting #29

At 23:45 UTC three bottlenose dolphins including one juvenile were observed 100m off the starboard bow slowly traveling towards the vessel. The three dolphins dove under the vessel and were observed again four minutes later 400m off the port stern milling under some circling seabirds. The vessel was in neutral to deploy equipment. No mitigation necessary.

Sighting #30

At 14:20 UTC three unidentified dolphins were observed milling 700m off the starboard stern at the 05:30 direction in relation to the vessels heading. The dolphins had dark gray falcate dorsal, presumably bottlenose dolphins due to presence of species in current survey area. No positive identification could be made due to distance and brevity of sighting. The vessel was surveying at full power but moving away from the dolphins. There was no potential exposure due to distance, and no mitigation necessary.

Sighting #31

At 14:42 UTC three dolphins were spotted fast traveling toward the vessel from the 12:00 direction in relation to the vessel's heading of 250 degrees, at a distance of 100 meters. They surfaced three times before diving under the vessel. They were then sighted behind the vessel heading toward the streamers. The dolphins turned around and swam along the aft starboard streamer, on the inside of the streamer array. The dolphins were last sighted at 15:06 UTC in the 6:00 direction in relation to the vessel's heading, at a distance of 100m.

Sighting #32

At 15:32 UTC a single bottlenose dolphin surfaced 50m in front of the vessel and dove under. The dolphin again surfaced off the starboard stern a minute later and was observed within 40m of the active survey equipment therefore potential exposure was noted. The dolphin was observed milling off the starboard tail buoy until 15:42 UTC. At 15:51 an additional bottlenose dolphin joined and was observed near the port side tail buoy. Two minutes later both dolphins were seen leaving the exclusion zone towards 08:00 in relation to the vessels heading.

Sighting #33

At 16:42 UTC four bottlenose dolphins were spotted 10 meters off the bow of the vessel in the 12:00 direction relative to the vessel's heading of 66.2 degrees. The group were seen feeding and then slowly traveled to the starboard stern of the vessel where the group made their closest approach to the active source at 20 meters, a potential exposure was noted. At 16:51 UTC the group continued milling around the starboard tail buoy until they turned and traveled away from the vessel in the 7:00 direction relative to the vessel's heading. The group was not seen again, and no mitigation was required.

Sighting #34

At 17:36 UTC a group of dolphins was spotted in the 12:00 direction in relation to the vessel's heading of 252 degrees, at a distance of 300 meters. The dolphins surfaced three more times, traveling in a different direction each time, and were not seen again after 17:37 UTC.

Sighting #35

At 19:02 UTC a group of five bottlenose dolphins were spotted 60 meters off the port bow in the 2:00 direction relative to the vessel's heading of 250 degrees. The dolphins then dove below the boat and resurfaced behind the tail buoy minutes later at 19:07 UTC. The group continued milling until 19:08 UTC when they turned and slowly traveled away from the vessel. The group dove out of sight until minutes later the dolphins returned with a total of eight individuals. The group made their closest approach to the active source at 20 meters. Therefore, a potential exposure was noted. The group was last spotted 19:28 UTC traveling in the 8:00 direction relative to the vessel's heading. No mitigation required.

Sighting #36

At 22:06 UTC, a dolphin was seen traveling toward the streamers from the 6:00 direction in relation to the vessel's heading of 72 degrees, at a distance of 100 meters. This dolphin was soon followed by two additional dolphins. All three dolphins swam between the tail buoys of the streamers, and swam up toward the bubble gun, before dropping back to swim between the tail buoys again. The dolphins continued to surface there, until they were last seen at 22:10 UTC.

Sighting #37

At 16:15 UTC five bottlenose dolphins were spotted 400 meters off the port bow in the 3:00 direction relative to the vessel's heading of 228 degrees. The group were slowly traveling and feeding until 16:44 UTC when the vessel was tied to the dock. No source was active during this time. No mitigation was required.

Sighting #38

At 13:31 UTC during transit in the harbor channel, approximately 30 meters from the vessel from the starboard side two bottlenose dolphins were observed swimming parallel to the vessel in the same direction. Two minutes later another group of five dolphins were spotted swimming and surfacing 50 meters behind the stern of a shrimp boat and 100 meters away from the vessel at 2 o'clock direction in relation to the vessel's heading. They continued to swim along the starboard side of the vessel, until 13:39 UTC. They were last seen in the 5:00 direction in relation to the vessel's heading, at a distance of approximately 100 meters. No mitigation required.

Sighting #39

At 14:10 UTC two dolphins were seen traveling toward the vessel from the 12:00 direction in relation to the vessel's heading of 93 degrees at a distance of 30 meters. They traveled toward the vessel and began bow riding. At 14:13, two more dolphins joined the bow riding. They continued bow riding until they were last seen at 14:16 UTC.

Sighting #40

At 17:40 UTC, five bottlenose dolphins were spotted swimming parallel in the same direction as the vessel on the port side at a distance of 40 meters. The dolphins were swimming and diving while feeding and were observed swimming 50 meters away from the stern. At 17:49 was the last sighting. No mitigation was required.

Sighting #41

At 20:26 UTC three bottlenose dolphins were spotted 500 meters off the port bow in the 11:00 direction relative to the vessel's heading of 275 degrees. The group were slowly traveling and feeding at this distance during the soft start of source, it was noted the group was outside the EZ and BZ. The group remained outside of the mitigation zone making their closest approach to the source at 300 meters at 20:28 UTC. The group was last seen off the starboard stern traveling in the 5:00 direction relative to the vessel's heading. No mitigation was required

Sighting #42

At 12:26 UTC a single bottlenose dolphin surfaced 50m off the port side at the 10:00 direction relative to vessels heading of 270 degrees. Two minutes later, a second bottlenose dolphin was observed milling 200m off the port side beam. Both dolphins continued to slowly travel near the active survey equipment with a CPA of 50m. Potential exposure noted but no mitigation necessary, the pair continued the milling behavior until 16:50 UTC when they were last spotted traveling away from the vessel in the 5:00 direction relative to vessel's heading. No mitigation was required.

Sighting #43

At 18:38 UTC a group of four dolphins was seen in the 12:00 direction in relation to the vessel's heading of 352 degrees, at a distance of 400 meters. Immediately afterward, three more dolphins were seen 350m out in the 9:00 direction in relation to the vessel's heading. They were slow traveling toward the vessel. Four dolphins approached the active survey equipment within 100m at 18:45 UTC. The dolphins were last seen at 18:46 UTC. Potential exposure noted but no mitigation necessary.

Sighting #44

At 13:50 UTC two dolphins were seen in the 6:00 direction in relation to the vessel's heading of 228 degrees, at a distance of 80 meters from the stern. The dolphins were seen feeding and then slowly traveled to the starboard stern of the vessel where the pair made their closest approach to the active source at 20 meters, a potential exposure was noted. At 14:00 UTC the dolphins continued milling around the starboard tail buoy. The dolphins were last seen at 14:05 UTC. Potential exposure noted but no mitigation necessary.

Sighting #45

At 16:08 UTC a pair of bottlenose dolphins were spotted 200 meters off the starboard bow in the 2:00 direction relative to the vessel's heading of 243 degrees. The pair then dove underneath the vessel and resurfaced off the port stern minutes later. At 16:13 UTC the pair made their closest approach to the source at 50 meters, a potential exposure was noted. The pair continued milling behavior until 16:15 UTC when the pair traveled away from the vessel in the 6:00 direction and were not seen again. No mitigation was required.

Sighting #46

At 18:26 UTC, a group of dolphins was observed milling in the 1:00 direction in relation to the vessel's heading of 221 degrees, at a distance of 800 meters. The dolphins appeared to be feeding on fish, along with the many seabirds that were diving in the vicinity. One juvenile was seen. The dolphins approached the tail buoy and bubble gun, and swam within the streamer array. The dolphins were last seen at 18:47 in the 7:00 direction in relation to the vessel's heading, at a distance of 1000 meters.

Sighting #47

At 19:40 UTC two bottlenose dolphins were observed 50m in front of the bow at the 1:00 direction in relation to the vessel's heading of 244. The dolphins surfaced and dove under the vessel. The dolphins were again observed surfacing 100m behind the tail buoy at 19:46 UTC. Potential exposure noted but no mitigation necessary.

Sighting #48

At 21:42 UTC three bottlenose dolphins were observed 200m in starboard side at the 3:00 direction in relation to the vessel's heading of 60. The dolphins surfaced and swimming towards the vessel. The dolphins were again observed surfacing 50 meters from the source in the port side at 9:00 direction in relation to the vessel's heading of 250 at 21:45 UTC and were not seen again. Potential exposure noted but no mitigation necessary.

Sighting #49

At 22:12 UTC, a group of dolphins was seen traveling toward the vessel from the 11:00 direction in relation to the vessel's heading of 247 degrees, at a distance of 50 meters. There were three adults and one juvenile in this grouping. Immediately after this, a group of four dolphins was seen on the starboard side of the vessel, at a distance of 100 meters. The first group of dolphins then crossed under the vessel to join the second group, and all of the dolphins swam away in the 3:00 direction in relation to the vessel's heading. The dolphins then turned and swam toward the stern of the vessel, and off into the 6:00 direction in relation to the vessel's heading. By 22:20 UTC, one of the dolphins could be seen at a distance of 800 meters behind the vessel. The dolphins then returned to the vessel, and by 22:26 UTC, one dolphin was swimming by the port bow, and the other dolphins swam towards the streamer array, and continued to swim behind the tail buoys. The dolphin by the port bow then joined the other dolphins by the tail buoys. The dolphins continued swimming by the tail buoys, occasionally swimming up to the starboard midships, until they were last seen at 22:43 in the glare in the 6:00 direction behind the vessel at a distance of 300 meters.

Sighting #50

At 15:27 UTC four bottlenose dolphins surfaced 15m from the starboard bow at the 1:00 direction in relation to the vessel's heading of 244 degrees. The dolphins quickly dove and surfaced behind the vessel approximately 100m from the source on the starboard bow. The dolphins continued to mill behind the tail buoy until last observed at 15:34 UTC. Potential exposure noted but no mitigation necessary.

Sighting #51

At 15:59 UTC a group of bottlenose dolphins were spotted 1500 meters directly in front of the bow in the 12:00 direction relative to the vessel's heading of 58.7 degrees. The group was slowly traveling North, perpendicular to the vessel's direction of travel. The group continued milling in this direction until 16:03 UTC when the group dove out of sight and were not spotted again. The dolphins made their closest approach to the active source at 16:03 UTC at a distance of 1500 meters, there was not a potential exposure. No mitigation was required.

Sighting #52

At 20:39 UTC 3 bottlenose dolphins were spotted 50 meters off the starboard bow in the 2:00 direction relative to the vessel's heading of 70.3 degrees. The group slowly traveled towards the stern of the vessel making their closest approach to the active source at 150 meters at 20:42 UTC, a potential exposure was noted. The group then traveled away from the vessel in the 4:00 direction relative to the vessel's heading. They were last spotted at 1500 meters heading in the same direction away from the vessel. No mitigation was required.

Sighting #53

At 21:19 UTC a group of 10 bottlenose dolphins, nine adults and one juvenile, were spotted 1000 meters straight ahead of the bow in the 12:00 direction relative to the vessel's heading of 72.2 degrees. The group then traveled towards the vessel and dove under the bow, resurfacing at the starboard stern. At 21:23 UTC the group made their closest approach to the active source at 60 meters, a potential exposure was noted. The group continued with milling behavior traveling in the 5:00 direction relative to the vessel's heading. The group was last spotted at 21:25 UTC traveling in the same direction away from the vessel at 1500 meters, they were not seen again. No mitigation was required.

Sighting #54

At 21:51 UTC a group of dolphins was seen approaching the vessel from the 9:00 direction in relation to the vessel's heading of 247 degrees at a distance of 100 meters. There were approximately ten dolphins in the group. Once the dolphins reached the vessel, they turned and began swimming toward the tail buoys. They swam along the tail buoys for a few minutes, before swimming away from the vessel in the 6:00 direction in relation to the vessel's heading. They continued swimming away from the vessel until they were last seen at 22:03 UTC at a distance of 1000 meters.

Sighting #55

At 22:35 UTC two bottlenose dolphins surfaced 400m off the starboard bow at the 2:00 direction relative to the vessels heading of 238 degrees. A single bottlenose dolphin was observed surfacing 15m in front of the starboard bow one minute later, and quickly dove. There were no further observations. Sources were being retrieved and inactive. No mitigation necessary.

Sighting #56

At 12:32 UTC two bottlenose dolphins were spotted 50 meters directly in front of the bow in the 12:00 direction relative to the vessel's heading of 190.7 degrees. The pair displayed bow riding and acrobatic behavior for several minutes. The closest approach to the inactive source was 100 meters at 12:40 UTC. The pair was last spotted 60 meters directly in front of the bow traveling in the 12:00 direction away from the vessel at 13:00 UTC. No mitigation was required.

Sighting #57

At 13:11 UTC, a group of 3 bottlenose dolphins were spotted 50 meters off the port side bow in the 11:00 direction relative to the vessel's heading of 330 degrees. The group continued swimming and milling on the port side in the opposite direction of the vessel until 13:19 UTC when the group dove out of sight and were not spotted again. No mitigation was required.

Sighting #58

At 14:01 UTC, a lone dolphin was seen porpoising in the swell at a distance of 400 meters, in the 12:00 direction in relation to the vessel. The dolphin porpoised away from the vessel three times and was not seen again after 14:03 UTC.

Sighting #59

At 14:47 UTC, a lone dolphin was seen surfacing, at a distance of 100 meters, in the 3:00 direction in relation to the vessel's heading. The dolphin surfaced twice and was not seen again. The dolphin appeared to have an old prop injury to its dorsal fin, at the dorsal was bent at a sharp angle, about a quarter of the way down from the tip. No picture was captured.

Sighting #60

At 15:50 UTC three bottlenose dolphins surfaced once 75m in front of the bow at the 12:00 direction in relation to the vessels heading of 172 degrees. The dolphins were fast traveling, then quickly dove under the vessel and were then spotted minutes later off the port side of the vessel at 500 meters in the 9:00 direction relative to the vessel's heading of 175 degrees. The dolphins were last spotted traveling in the 9:00 direction at 16:05 UTC. The dolphins voluntarily approached, and no mitigation was necessary.

Sighting #61

At 16:40 UTC a water disturbance was observed 500 meters off the starboard bow with bird activity above the disturbance. Upon closer observation a group of six bottlenose dolphins, five adults and one juvenile, were spotted 300 meters in the 2:00 direction relative to the vessel's heading of 357 degrees. The group then made a voluntary approach toward the vessel and started bow riding and displaying acrobatic behavior. The group made their way to the stern at 16:45 UTC, this was their closest approach to the inactive source at 120 meters. The group was last spotted at 16:56 UTC off the port stern heading in the 10:00 direction away from the vessel. No mitigation was required. Visual evidence of sighting #61 may be referenced in the Photographs of Sightings section in **Figure 9**.

Sighting #62

At 18:43 UTC two dolphins were seen surfacing in the 12:00 direction in relation to the vessel's heading of 185 degrees at a distance of 80 meters. The dolphins surfaced one more time, and were not sighted again after 18:44 UTC.

Sighting #63

At 22:58 UTC three bottlenose dolphins surfaced once 25m off the port bow at the 11:00 direction relative to the vessels heading of 352 degrees. The dolphins dove under the vessel and were not sighted again. No mitigation necessary.

Sighting #64

At 13:17 UTC, a pair of dolphins was seen surfacing in the 4:00 direction in relation to the vessel's heading of 177 degrees, at a distance of 50 meters. They surfaced two times in that location. They were seen again at 13:24 swimming along the starboard tail buoy, as the vessel was making a turn. They continued swimming along the tail buoy until they were last seen at 13:31 UTC, in the 12:00 direction in relation to the vessel's heading, at a distance of 200 meters.

Sighting #65

At 15:45 UTC two bottlenose dolphins surfaced under a floating seabird 75m off the starboard bow at the 2:00 direction in relation to the vessels heading of 147 degrees. A few seconds later two additional dolphins surfaced in the same position. The dolphins were observed milling along the starboard beam 200m out until 15:49 UTC.

Sighting #66

At 20:33 UTC a single juvenile bottlenose dolphin was spotted 80 meters off the port bow in the 11:00 direction relative to the vessel's heading of 247 degrees. The dolphin was slowly traveling and displaying milling behavior. The dolphin made its closest approach to the active source at 20:33 UTC at a distance of 120 meters, a potential exposure was noted. The dolphin was last spotted traveling in the 10:00 direction away from the vessel relative to the heading of 247 degrees at 20:40 UTC. No mitigation was required.

Sighting #67

At 21:21 UTC, three dolphins were seen surfacing in the 1:00 direction in relation to the vessel's heading at a distance of 200 meters. They were seen again at 21:24 UTC at a distance of 50 meters in the 3:00 direction in relation to the vessel's heading. They were seen traveling away from the vessel. They were last seen at 21:26 UTC.

Sighting #68

At 22:24 UTC three dolphins were seen surfacing in the 12:30 direction in relation to the vessel's heading of 216 degrees, at a distance of 100 meters. The dolphins were seen twice surfacing while traveling perpendicular to the vessel. They were then sighted traveling toward the vessel from the 2:00 direction in relation to the vessel's heading. They dove under while traveling toward the vessel at 22:29 UTC, at a distance of 50 meters, and were not seen again until 22:42 UTC, when one surfaced in the 12:00 direction in relation to the vessel's heading of 250 degrees.

Sighting #69

At 13:57 UTC three dolphins were seen surfacing in the 1:00 direction in relation to the vessel's heading of 20 degrees, at a distance of 300 meters. The dolphins were seen surfacing while traveling toward the vessel from the 4:00 direction in relation to the vessel's heading. The dolphins made its closest approach to the active source at 16:59 UTC at a distance of 50 meters, a potential exposure was noted. The dolphins were last spotted traveling in the 5:00 direction away from the vessel relative to the heading of 150 degrees at 17:05 UTC. No mitigation was required.

Sighting #70

At 18:57 UTC three bottlenose dolphins surfaced 50m off the port bow at the 11:00 direction relative to the vessels heading of 246 degrees. The dolphins dove under the vessel and surfaced again on the starboard beam. During the final observation, the dolphins were seen surfacing 800m off the starboard stern at the 5:00 direction relative to the vessels heading. No mitigation required, but potential exposure noted.

Sighting #71

At 19:48 UTC a group of three bottlenose dolphins were observed 160 meters off the port bow in the 10:00 direction relative to the vessel's heading of 70 degrees. The group slowly traveled to the port stern of the vessel where they made their closest approach to the source at 140 meters, a potential exposure was noted. The group showed interest in the port tail buoy before turning and traveling in the 8:00 direction at 19:52 UTC. Then the group resurfaced minutes later on the starboard stern where they displayed milling behavior until they dove out of sight and were not seen again at 20:02 UTC. No mitigation was required.

Sighting #72

At 20:23 UTC three dolphins were seen surfacing in the 1:00 direction in relation to the vessel's heading of 20 degrees, at a distance of 200 meters. The dolphins were fast traveling in the opposite direction of the vessel at starboard side. The dolphins made its closest approach to the active source at 20:24 UTC at a distance of 80 meters, a potential exposure was noted. The dolphins were lost to sight in the sun glare in the 5:00 direction at 20:25 UTC. No mitigation was required.

Sighting #73

At 21:25 UTC, a dolphin was sighted swimming perpendicular to the vessel's heading in the 1:00 direction in relation to the vessel's heading of 247 degrees, at a distance of 200 meters. At 21:29 UTC, a lone dolphin was seen by the starboard bow, while simultaneously, three more dolphins were seen off the starboard bow in the 2:30 direction in relation to the vessel's heading at a distance of 100 meters. The dolphins then joined up, and began swimming away from the vessel in the 5:00 direction in relation to the vessel's heading. They were last seen swimming that direction at a distance of 800 meters at 21:35 UTC. They were not sighted again.

Sighting #74

At 22:22 UTC three bottlenose dolphins were observed 20m from the port bow at the 11:00 direction relative to the vessels heading of 68 degrees. Initial sighting cue was an audible blow. The dolphins initially swam ahead of the vessel but were seen a minute later slowly travelling parallel and opposite the vessels port side. An additional single bottlenose dolphin joined 300m off the port midships at 22:25. The dolphins were last observed at 22:29 UTC 1000m off the port stern in the 7:00 direction following an active fishing boat. No mitigation required but potential exposure noted.

Sighting #75

At 22:58 UTC three dolphins were seen traveling toward the vessel from the 1:00 direction in relation to the vessel's heading, at a distance of 100 meters. They swam toward the vessel, and then away in the 5:00 direction in relation to the vessel's heading. They were last seen at 23:00 at a distance of 800 meters.

Sighting #76

At 00:06 UTC, a single dolphin surfaced once 20m in from of the bow at the 12:00 direction in relation to the vessels heading of 300 degrees, then quickly dove under the vessel. No mitigation required but potential exposure noted.

Sighting #77

At 13:27 UTC, two bottlenose dolphins were observed 50m from the gear at the stern at the 11:00 direction relative to the vessels heading of 150 degrees. The dolphins were swimming and milling behind the gear. They swam and then away in the 6:00 direction in relation to the vessel's heading at 13:32 UTC at 200 meters. Minutes later at 13:53 during the line change one of the dolphins was seen swimming inside the streamers and the source. A potential exposure was noted. The dolphin continued swimming along the tail buoy until the was last seen at 13:58 UTC, in the 6:00 direction in relation to the vessel's heading, at a distance of 100 meters. No mitigation required but potential exposure noted.

Sighting #78

At 14:29 UTC two bottlenose dolphins were observed through binoculars 1000m off the starboard side bow at the 1:00 direction relative to the vessels heading of 68 degrees. The dolphins slowly travelled opposite and parallel to the vessel and were seen surfacing 200m off the starboard midships, followed by the starboard tail buoy at 14:35 UTC. The dolphins were observed milling 2m from the bubble gun at 14:39 UTC. A single dolphin swam 700m off the port stern at 14:43 UTC and was seen again near the bubble gun at 14:45 UTC. Final observation was a single dolphin on the port side 300m out at 14:54 UTC headed towards a working shrimp boat. No mitigation required but potential exposure noted.

Sighting #79

At 15:16 a single bottlenose dolphin surfaced 75m ahead of the starboard bow at the 1:00 direction relative to the ships heading of 69 degrees. The dolphin dove under the vessel and resurfaced at the starboard tail buoy joined by another adult bottlenose dolphin. At 15:18 UTC the pair made their closest approach to the active source at 60 meters, a potential exposure was noted. The pair then turned and slowly traveled in the 3:00 direction away from the vessel. The dolphins were last spotted at 15:26 UTC 1500 meters in the 3:00 direction, they were traveling in the same direction as the vessel. Minutes later at 15:33 the dolphins resurfaced off the starboard side of the vessel with an additional dolphin with them making a total of three dolphins. The dolphins slowly traveled to the port tail buoy where they displayed milling behavior until 15:42 UTC when they turned and traveled in the 9:00 direction relative to the vessel's heading and were not seen again. No mitigation was required.

Sighting #80

At 16:35 UTC three bottlenose dolphins were spotted 50 meters off the starboard bow in the 2:00 direction relative to the vessel's heading of 244 degrees. The dolphins slowly traveled to the starboard stern where they displayed milling behavior for several minutes. The group's closest approach was at 16:39 UTC at 100 meters, a potential exposure was noted. The group was last seen traveling in the 4:00 direction away from the vessel at 16:41 UTC. No mitigation was required.

Sighting #81

At 17:23 UTC, a single dolphin was spotted 50 meters off the starboard bow in the 1:00 direction relative to the vessel. The dolphin was milling and slowly traveled to the starboard side. At 17:30 UTC the dolphin made their closest approach to the active source at 50 meters, a potential exposure was noted. At 17:48 UTC the dolphin turned and traveled in the 5:00 direction relative to the vessel's heading and were not seen again. No mitigation was required.

Sighting #82

At 18:28 UTC three bottlenose dolphins surfaced 30m off the starboard bow headed towards the vessel at the 1:00 direction relative to the vessels heading of 75 degrees. Ten seconds later the dolphins surfaced again travelling to the south and away from the vessel. No further observations. No mitigation required.

Sighting #83

At 22:02 UTC two dolphins were seen swimming perpendicular to the ships heading of 75 degrees, crossing across the stern, behind the tail buoys at a distance of 200 meters from the vessel. They were seen once more at 22:06 UTC swimming away from the vessel in the 7:00 direction in relation to the vessel's heading at a distance of 200 meters. They were not seen again.

Sighting #84

At 22:58 UTC a single bottlenose dolphin was observed fast travelling towards the vessel 800m off the starboard bow in the 2:00 direction relative to the vessels heading of 72 degrees. The dolphin surfaced again 25m in front of the vessel at 23:00 UTC and quickly dove. As the vessel was in a line turn, the dolphin was seen surfacing again 600m off the starboard stern at the 5:00 direction at 23:11 UTC. No mitigation was required, potential exposure noted.

Sighting #85

At 00:20 UTC a group of four dolphins was seen swimming across the bow in the 1:00 direction in relation to the vessel's heading at a distance of 30 meters. They surfaced three more times traveling in the same direction. They were not seen again after 00:22 UTC.

Sighting #86

At 13:38 UTC a group of dolphins was seen approaching the vessel from the 12:00 direction in relation to the vessel's heading of 247 degrees, at a distance of 30 meters. The dolphins then swam back toward the tail buoys, and were seen swimming along the streamers. At 13:43 UTC three of the dolphins swam off in the 7:00 direction in relation to the vessel's heading, while two dolphins remained swimming along the port tail buoy. AT 13:45 UTC, the other two dolphins then swam off in the 7:00 direction as well. By 13:47 UTC, they were at a distance of 700 meters. At 17:58, two of the dolphins returned to the vessel from the 3:00 direction and began bow riding at the starboard bow for a few minutes, before disappearing again. At 14:12 UTC, the group of dolphins approached the vessel again from the 2:00 direction in relation to the vessel's heading. Two of them began swimming along the port midships, while three of them swam back along the tail buoys. They all began swimming along the tail buoys. At 18:24 they began swimming

up along the starboard side of the vessel, by 18:28 UTC, they were at the starboard bow, then crossed under the bow, and swam back along the port side of the vessel to the tail buoys. They swam along the tail buoys for a few minutes, until they began milling in the same spot, as the vessel continued away. The dolphins were seen at 18:35 UTC, in the 6:00 direction in relation to the vessel's heading, at a distance of 1000 meters. AT 14:44 UTC, the dolphins returned to the vessel, swimming to the starboard bow, crossing under the bow again, and returning to the stern of the vessel to swim along the tail buoys. They were last seen in the 6:00 direction in relation to the vessel's heading, at 14:53 UTC, at a distance of 800 meters.

Sighting #87

At 15:15 UTC a group of four bottlenose dolphins were spotted 120 meters in the 1:00 direction relative to the vessel's heading of 71 degrees. The group slowly traveled to the starboard stern where they made their closest approach to the active source at 60 meters at 15:22 UTC, a potential exposure was noted. The group then traveled in the 6:00 direction away from the vessel and were last spotted at 15:36 UTC until at 16:00 UTC the group of dolphins were spotted again 15 meters from the port bow towards the vessel. For the next hour the dolphins were milling and surfacing around the vessel then they traveled in the 7:00 direction away from the vessel and were last spotted at 17:05 UTC. No mitigation was required.

Sighting #88

At 18:22 UTC, a group of dolphins was seen ahead of the vessel in the 12:00 direction in relation to the vessel's heading of 70 degrees, at a distance of 400 meters. The dolphins approached the vessel, and began swimming along the bow. They then made their way back toward the tail buoys, and swam along the tail buoys for several minutes. The dolphins were last observed 700m off the stern in the 6:00 direction at 18:41 UTC. No mitigation required.

Sighting #89

At 19:38 UTC a single bottlenose dolphin surfaced at the 12:00 direction relative to the vessel heading of 125 degrees. The dolphin was travelling perpendicular and opposite the vessel. Two minutes later three dolphins surfaced behind the starboard tail buoy. During the final detection the four dolphins were seen surfacing 400m off the in the 6:00 direction at 19:42 UTC. No mitigation required.

Sighting #90

At 20:35 UTC a group of 4 bottlenose dolphins were spotted 60 meters in the 10:00 direction relative to the vessel's heading of 243 degrees. The group consisted of three adults and one calf that slowly traveled to the port stern. At 20:58 the group of dolphins were spotted again 20 meters from the port bow towards the vessel, they were milling and surfacing along to the port side of the vessel. At 21:16 UTC the group of dolphins were spotted again 20 meters in the 5:00 direction relative to the vessel's heading. The group made their closest approach to the active source at 40 meters at 21:18 UTC, a potential exposure was noted. During the final detection the dolphins were seen surfacing 200m off the stern in the 7:00 direction at 21:28 UTC. No mitigation required.

Sighting #91

At 23:02 UTC three bottlenose dolphins were observed 50m off the port bow at the 11:00 direction relative to the vessels heading of 245 degrees. The dolphins quickly dove and were seen again surfacing on the starboard beam at 23:14 UTC. One of the dolphins had a bent dorsal a quarter of the way from the top, possibly a deformity or an old injury. The dolphins were seen surfacing near the starboard tail buoy at 23:26 UTC and surfaced again near the port bow at 23:41 UTC. No mitigation required.

Sighting #92

At 13:42 UTC, three bottlenose dolphins were observed 50m off the starboard bow at the 2:00 direction relative to the vessels heading of 30 degrees. The dolphins were crossing perpendicular ahead of the vessel but one of them towards to the bow and quickly dove and no were seen again. No mitigation required.

Sighting #93

At 19:44 UTC a single bottlenose dolphin surfaced 40m in front of the bow fast travelling the same direction of the vessel. The dolphin surfaced at the 12:00 direction in relation to the vessels heading of 207 degrees. A minute later four additional bottlenose dolphins surfaced on the port beam 100m out and were seen milling for another minute. Vessel was running weather patterns and no mitigation was required.

Sighting #94

At 20:25 UTC a large group of bottlenose dolphins was spotted 500 meters directly in front of the bow in the 12:00 direction relative to the vessel's heading of 169 degrees. Upon further observation the group was determined to be ten individuals with eight adults and two juveniles. The group displayed bow riding behavior for the length of the detection, no source was deployed during this time. The dolphins were last spotted 1000 meters off the starboard stern traveling in the 4:00 direction. Vessel was running weather patterns and no mitigation was required.

Sighting #95

At 21:53 UTC, a group of bottlenose dolphins was spotted 20 meters directly in front of the bow in the 12:00 direction relative to the vessel's heading. The dolphins were swimming and milling along the bow. The dolphins continued bow riding and exhibiting some acrobatic behavior for over twenty minutes. A minimum of three juveniles, and one young calf were observed. At 22:16 the vessel changed direction and picked up speed, at which point the dolphins left the bow, and continued milling in the location they were in, until they were last seen at that spot at 22:25 UTC. At 22:32 UTC, half of the group of dolphins returned to the vessel and resumed bow riding. They then traveled in front of the vessel, where they were observed feeding on fish, in an area where pelicans were also observed diving for fish. The dolphins then traveled to the stern of the vessel, where they trailed behind the vessel until they were last observed at 22:44 UTC, in the 6:00 direction in relation to the vessel's heading, at a distance of 800 meters. Vessel was running weather patterns and no mitigation was required.

Sighting #96

At 15:09 two bottlenose dolphins were seen surfacing 150m ahead of the bow. An additional four bottlenose dolphins were milling 300m in front of the bow. The vessel was departing the fuel dock for port at gulf copper and was headed towards 221 degrees. As the vessel was approaching the dock, three more dolphins surfaced 200m off the starboard beam at 15:21 UTC. No mitigation necessary.

Sighting #97: At 14:02 UTC, two dolphins were seen traveling toward the vessel from the 10:30 direction in relation to the vessel's heading of 273 degrees, at a distance of 100 meters. They surfaced once closer to the vessel's port bow at 14:03 UTC. They were seen once more leaving the vessel in the 9:00 direction in relation to the vessel's heading at 14:06 UTC, at a distance of 150 meters. They were not sighted again. No mitigation was required.

Sighting #98: At 18:22 UTC a single bottlenose dolphin was observed surfacing 400m off the bow at the 11:00 direction relative to the vessels heading of 72 degrees. The dolphin was seen surfacing three more times until 18:25 UTC travelling slowly north crossing perpendicular ahead of the vessel. No mitigation necessary.

Sighting #99: At 21:34 UTC, four bottlenose dolphins were observed feeding behind the stern of a shrimp boat at 1 km of distance at the 3:00 direction relative to the vessel's heading. At 21:43 three dolphins surfaced towards the vessel off the starboard side at a distance of 20 meters. They were not sighted again.

Sighting #100: At 22:22 UTC a single bottlenose dolphin surfaced twice off the starboard beam 150m out at the 3:00 direction relative to the vessels heading of 225. The dolphin was quickly travelling towards the vessel and dove 100m out and was not seen again. No mitigation required.

Sighting #101: At 13:06 UTC, a dolphin was seen traveling toward the vessel from the 11:00 direction in relation to the vessel's heading of 103 degrees, at a distance of 150 meters. The dolphin continued traveling toward the vessel until it reached the bow, where it then turned and began traveling away from the vessel in the 3:00 direction in relation to the vessel's heading. Once it was approximately 200 meters from the vessel, it turned again and began swimming parallel with the vessel in the opposite direction. As it was swimming in that direction, two more dolphins approached the vessel from the 11:00 direction in relation to the vessel's heading at 13:15 UTC. They swam along the starboard side of the vessel, parallel with the vessel in the opposite direction. All three dolphins were last seen at 13:19 UTC, in the 7:00 direction in relation to the vessel's heading. No mitigation was necessary.

Sighting #102: At 14:29 UTC a single bottlenose dolphin surfaced 150m off the port beam at the 9:00 direction relative to the vessels heading of 74 degrees. A minute later the dolphin surfaced again near the port stern fast travelling towards the bubble gun. At 14:37 UTC a group of approximately 6 dolphins were observed following behind a shrimp boat that was 200 meters off the starboard side. The dolphins were last seen at 14:41 UTC, in the 5:00 direction in

relation to the vessel's heading at a distance of 1000 meters, still following behind the shrimp boat. No mitigation was required.

Sighting #103: At 16:11 UTC a single bottlenose dolphin surfaced 60 meters off the port stern in the 7:00 direction relative to the vessel's heading of 72 degrees. The dolphin made its closest approach to the active source at 70 meters at 16:11 UTC, a potential exposure was noted. The dolphin dove and resurfaced a minute later at the port tail buoy, the dolphin remained slowly traveling by the port tail buoy until 16:16 UTC when it dove out of sight and was not seen again. No mitigation was required.

Sighting #104: At 18:08 UTC the mate informed the PSO of dolphins present off the port beam. As the vessel was headed to 298 degrees, the PSO observed 5 bottlenose dolphins surfacing 150m out fast travelling east, parallel and opposite the vessel. The dolphins surfaced one more time at 18:09 UTC but were not observed again. No mitigation required.

Sighting #105: At 19:03 UTC a single bottlenose dolphin was seen 400m off the starboard bow at the 2:30 direction relative to the vessels heading of 77 degrees. The dolphin was fast travelling southwest and surfaced again at 19:03UTC 600m off the starboard stern. No mitigation required.

Sighting #106: At 19:58 UTC four bottlenose dolphins were observed 300m ahead of the bow at the 12:00 direction relative to the vessels heading of 249 degrees. The dolphins surfaced briefly two more times in the two minute detection and were not seen again. No mitigation necessary.

Sighting #107: At 20:32 UTC two dolphins were observed 100 meters of distance in front of the bow of a shrimp boat that was 700 meters off the starboard side. The dolphins were feeding and milling in front of the shrimp boat. The dolphins were last seen at 20:44 UTC in the 3:00 direction in relation to the vessel's heading at a distance of 1000 meters, still following behind the shrimp boat. No mitigation was required.

Sighting #108: At 22:03 UTC, a lone dolphin was seen traveling toward the vessel from the 11:00 direction in relation to the vessel's heading of 58 degrees, at a distance of 100 meters. It was seen once more at 22:04 UTC next to the vessel. It was last seen traveling away from the vessel in the 10:00 direction in relation to the vessel's heading at a distance of 200 meters at 22:05 UTC. No mitigation was required.

Sighting #109: At 22:34 UTC, a group of bottlenose dolphins was seen off the port bow in the 11:00 direction in relation to the vessel's heading of 106 degrees, at a distance of 150 meters. The dolphins continued to swim along the port side of the vessel. The dolphins were last seen off the starboard stern in the 5:00 direction in relation to the vessel's heading, at a distance of 150 meters. No mitigation was required.

Sighting #110: At 00:09 UTC, a single bottlenose dolphin was seen traveling toward the vessel from the 1:00 direction in relation to the vessel's heading of 281 degrees, at a distance of 50 meters. The dolphin was last seen off the starboard side in the 4:00 direction in relation to the vessel's heading, at a distance of 50 meters. No mitigation was required.

Sighting #111: At 15:51 UTC two bottlenose dolphins were observed surfacing twice 75m off the starboard beam at the 3:00 direction relative to the vessels heading of 69 degrees. The dolphins were travelling SW opposite and parallel to the vessel. No further observations were made after 15:52 UTC due to heavy fog. No mitigation required, potential exposure noted.

Sighting #112: At 14:41 UTC a single bottlenose dolphin was observed surfacing twice 50m off the bow at the 12:00 direction relative to the vessels heading of 63 degrees. The dolphin was fast travelling perpendicular to the vessel and quickly dove. At 14:56 UTC the dolphin was seen again 150m off the starboard beam at the 3:00 direction, travelling parallel and opposite the vessel. No mitigation required.

Sighting #113: At 17:21 UTC, two dolphins were spotted traveling toward the vessel from the 10:30 direction in relation to the vessel's heading of 63 degrees, at a distance of 100 meters. The dolphins traveled toward the vessel until they reached the vessel, at which point they turned and swam toward the tail buoys along the starboard side. The dolphins made their closest approach to the active source at 40 meters at 17:25

UTC, a potential exposure was noted. They were seen swimming along the tail buoys until 17:29 UTC when the dolphins were seen surfacing 200m off the stern in the 5:00 direction. No mitigation required.

Sighting #114: At 18:19 UTC a single bottlenose dolphin was seen surfacing 100m off the starboard bow at the 3:00 direction relative to the vessels heading of 75 degrees. The dolphin was joined by two more bottlenose dolphins at 18:24 UTC and were seen milling 150m off the starboard beam. The final detection was at 18:29 UTC when the dolphins surfaced 10m from the starboard tail buoy. No mitigation necessary, but potential exposure noted.

Sighting #115: At 19:57 UTC a single bottlenose dolphin surfaced 125m off the starboard bow in the 2:00 direction relative to the vessels heading of 230 degrees. At 20:05 UTC the dolphin again surfaced 50m off the bow, and quickly dove. The closest approach to the active source was 150m at 20:05 UTC, a potential exposure was noted. The dolphin was not spotted again, no mitigation was required.

Sighting #116: At 20:25 UTC two bottlenose dolphins surfaced 30m off the bow at in the 12:30 direction relative to the vessels heading of 243 degrees. The dolphins again surfaced 50m off the bow , and quickly dove. The closest approach to the active source was 80m at 20:25 UTC, a potential exposure was noted. The dolphins were not spotted again, no mitigation was required.

Sighting #117: At 21:22 UTC, two dolphins were spotted traveling toward the vessel from the 11:00 direction in relation to the vessel's heading of 75 degrees, at a distance of 100 meters. They surfaced two more times in from of the vessel, and were not seen again after 21:26 UTC. No mitigation was required.

Sighting #118: At 00:16 UTC a lone dolphin surfaced once 30 meters from the port bow in the 10:00 direction in relation to the vessel's heading, at a distance of 30 meters. The dolphin was only seen once, and no mitigation was required.

Sighting #119: At 15:12 UTC a group of three bottlenose dolphins were spotted 1000m directly in front of the vessel in the 12:00 direction relative to the vessel's heading of 282 degrees. The group remained outside of the mitigation zone and started to travel in the 9:00 direction. Minutes later a separate group of three bottlenose dolphins were spotted at 1300m in the 10:00 direction relative to the vessel's heading. This group was displaying feeding and surfacing behavior with bird activity directly above the group of dolphins. This group remained outside of the mitigation zone and the feeding behavior continued until 15:34 UTC. At 15:28 UTC three adults and one juvenile bottlenose dolphin were observed at 75m in the 2:00 direction relative to the vessel's heading. The dolphins were seen milling off the port side occasionally tail slapping until 15:33 UTC when the dolphins made their closest approach to the active source at 100m, a potential exposure was noted. The dolphins were last observed heading in the 4:00 direction at 15:34 UTC. No mitigation was required.

Sighting #120: At 16:25 UTC, three bottlenose dolphins were observed traveling toward the vessel from the 11:30 direction in relative to the vessel's heading, at a distance of 50 meters. They were swimming parallel to the vessel in the opposite direction on port side and they made their closest approach to the active source at 40m at 16:26 UTC, a potential exposure was noted. The dolphins were last observed heading in the 6:00 direction at 16:32 UTC. No mitigation was required.

Sighting #121: At 18:45 a single bottlenose dolphin surfaced 50m off the bow in the 12:00 direction relative to the vessels heading of 152 degrees. The dolphin was fast travelling towards the vessel and quickly dove under. The dolphin was last seen behind the tail buoys at 18:52 UTC. Simultaneously, at 18:52 UTC three bottlenose dolphins were observed by the party chief 250m off the port bow at the 10:00 direction relative to the vessels heading. The three dolphins were seen milling off the port side until 18:54 UTC. The dolphins were last seen 200m off the port tail buoy. No mitigation necessary.

Sighting #122: At 19:23 UTC a pair of bottlenose dolphins were spotted at 100m in the 1:00 direction relative to the vessel's heading of 239 degrees. The dolphins approached the vessel and dove under the bow at 19:24 UTC, this is when the dolphins made their closest approach to the source at 120m. Potential exposure was noted. The dolphins were not seen again, they were last seen traveling in the 6:00 direction relative to the vessel's heading. No mitigation was required.

Sighting #123: At 21:33 UTC, a group of dolphins were seen in the 1:30 direction in relation to the vessel's heading of 100 degrees, at a distance of 300 meters. There were approximately ten dolphins in the group. At 21:35 UTC, a group of these dolphins split off and swam toward the vessel, while five dolphins remained milling in the place where they had first been sighted. The dolphins that came to the vessel began swimming along the starboard side, occasionally bow riding, and occasionally swimming back to the midships. The dolphins made their closest approach to the source at 120m. Potential exposure was noted. They remained on the starboard side of the vessel until 21:47 UTC, finally at 21:53 two dolphins were last seen 20m off the bow and quickly dove and were not seen again. No mitigation necessary. **Figure 10.**

Sighting #124: At 15:14 UTC a pair of bottlenose dolphins was spotted 500m directly in front of the vessel in the 12:00 direction relative to the vessel's heading of 244 degrees. The pair was slowly traveling and surfacing until 15:15 UTC when the pair dove below the bow, this was the dolphins' closest approach to the active source at 120m at 15:15 UTC. A potential exposure was noted, the pair was not spotted again. No mitigation was required.

Sighting #125: At 15:44 UTC three bottlenose dolphins surfaced twice briefly 300m off the port bow in the 10:30 direction relative to the vessels heading of 247 degrees. The dolphins were fast travelling northeast opposite and parallel the vessel towards a patch of strong glare. No further sightings after 15:45 UTC. No mitigation required.

Sighting #126: At 23:03 UTC a single bottlenose dolphin was observed fast travelling perpendicular to the vessel across the bow 200m out. The dolphin was initially seen surfacing in the 1:00 direction relative to the vessels heading of 237 degrees. The dolphin surfaced once more at 23:04 UTC and was not seen again. No mitigation necessary.

Sighting #127: At 23:40 UTC three bottlenose dolphins surfaced 150m off the port stern in the 8:00 direction relative to the vessels heading of 190 degrees. The dolphins were observed slow travelling opposite and parallel to the vessel. The dolphins were last seen 600m off the port stern. No mitigation necessary.

Sighting #128: At 22:32 UTC two dolphins were seen fast traveling toward the vessel from the 11:00 direction in relation to the vessel's heading of 2 degrees, at a distance of 100 meters. The dolphins swam toward the vessel, then turned toward the stern of the vessel along the port side. They were not seen again after 22:33 UTC. The vessel was running weather patterns, and no mitigation was required.

Sighting #129: At 19:10 UTC a group of seven bottlenose dolphins were spotted 300 meters off the port bow in the 10:00 direction relative to the vessel's heading of 75 degrees. The group was following a fishing vessel, slowly traveling and displaying feeding behavior. The group remained outside the mitigation zone for the entire detection. The dolphins were last spotted at 19:47 UTC still following the fishing boat moving in the opposite direction as the survey vessel was traveling. No mitigation was required.

Sighting #130: At 15:33 UTC three bottlenose dolphins were observed fast travelling near the starboard head buoy, perpendicular and away from the stern of the vessel, at a distance of 150m. The dolphins surfaced twice in the minute detection headed south in the direction of a nearby shrimp boat. No mitigation necessary, potential exposure noted.

Sighting #131: At 18:49 UTC a lone dolphin was seen traveling toward the vessel from the 1:00 direction in relation to the vessel's heading at a distance of 200 meters. The dolphin swam toward the starboard bow of the vessel, then dove under. It was spotted again at 18:53 UTC approximately 40 meters away from the starboard head buoy. The dolphin was observed milling approximately 200m off the starboard tail buoy until 19:01 UTC. No mitigation necessary, potential exposure noted.

Sighting #132: At 22:44 UTC, a group of dolphins was spotted in the 11:00 direction in relation to the vessel's heading, at a distance of 200 meters. The dolphins continued to travel on the surface away from the vessel, in the same direction as the vessel's heading, splashing frequently as they did so. The group then turned and traveled in the opposite direction of the vessel's heading. Only two dolphins were spotted entering the mitigation zone, a potential exposure was noted at 23:16 UTC. The group was last observed traveling in the 6:00 direction relative to the vessel's heading. No mitigation was required.

Sighting #133: At 23:45 UTC three bottlenose dolphins were observed fast travelling towards the port side bow. The dolphins were seen in the 10:00 direction relative to the vessels heading of 354 degrees at a distance of 200m. The dolphins surfaced twice and quickly dove into strong glare. No mitigation necessary.

Sighting #134: At 13:02 UTC four bottlenose dolphins were observed fast travelling towards the port side bow. The dolphins were seen in the 11:00 direction relative to the vessels heading at a distance of 30m. The dolphins surfaced twice and quickly dove into the bow. At 13:14 a single dolphin was seen again at distance of 10 meters of the bow. No mitigation necessary.

Sighting #135: At 14:56 UTC, a dolphin was seen traveling toward the vessel from the 11:30 direction in relation to the vessel's heading of 248 degrees, at a distance of 30 meters. The dolphin surfaced twice on its way to the vessel, then dove beneath the port bow at 14:57 UTC. The dolphin was not seen again after the dive at 14:57 UTC.

Sighting #136: At 17:21 UTC, two bottlenose dolphins were observed fast travelling towards the port side bow. The dolphins were seen in the 11:00 direction relative to the vessel's heading of 105 degrees at a distance of 50m. The dolphins surfaced once and quickly dove into the bow and they were not seen again. No mitigation necessary.

Sighting #137: At 18:03 UTC a group of dolphins was seen in the 12:00 direction in relation to the vessel's heading, at a distance of 200 meters. The dolphins were traveling perpendicular to the vessel's heading, across the bow. The dolphins were seen several times traveling in that direction. The dolphins were then seen again traveling toward the vessel at 18:10 UTC, as they approached the vessel's port bow. Over the next fifteen minutes, the dolphins traveled toward the vessel, and then away again repeatedly. They never approached the stern of the vessel or the towed gear. They engaged in bow riding behavior for a short time. One juvenile was seen swimming with the group. The dolphins were last seen at 18:25 UTC in the 11:00 direction in relation to the vessel's heading, at a distance of 300 meters.

Sighting #138: At 23:35 UTC a single bottlenose dolphin was spotted 50 meters off the port bow in the 11:00 direction relative to the vessel's heading of 153 degrees. The dolphin slowly traveled to the port stern where it made its closest approach to the active source at 30 meters at 23:36 UTC, a potential exposure was noted. The dolphin investigated the port head buoy before diving under the surface and was not spotted again. No mitigation was required.

Sighting #139: At 22:10 UTC three bottlenose dolphins were observed 150m off the starboard bow in the 1:00 direction relative to the vessels heading of 289 degrees. The dolphins were fast travelling towards the vessel. They surfaced twice then quickly dove under the vessel and were not seen again. No mitigation necessary, potential exposure noted.

Sighting #140: At 22:35 UTC, a group of dolphins was seen traveling perpendicular to the vessel's heading of 75 degrees. They were seen in the 11:00 direction in relation to the vessel's heading, at a distance of 100 meters. They traveled across the bow to the starboard side of the vessel. Once they were on the starboard side, they turned and traveled toward the stern of the vessel and the tail buoys. They were last seen 50 meters from the bubble gun, at 22:39 UTC. No mitigation was required.

Sighting #141: At 16:11 UTC, during the transit in the harbor channel six bottlenose dolphins were observed surfacing 60 meters off the starboard side in the 3:00 direction relative to the vessel's heading. They were milling to the vessel and they were last seen 50 meters from the stern at 16:20 UTC. No mitigation necessary.

Sighting #142: At 17:22 UTC, one bottlenose dolphin was observed surfacing 100 meters off the starboard bow, at a bearing of 170 degrees and traveling north. The dolphin was observed surfacing and slow traveling. At 17:25 UTC, the dolphin was last observed 45 meters from the bow, crossing perpendicular ahead of the ship. The vessel was in-transit to the survey area and no mitigation action was necessary.

Sighting #143: At 18:05 UTC, a group of dolphins was seen traveling toward the vessel from the 12:00 direction in relation to the vessel's heading of 65 degrees, at a distance of 200 meters. The dolphins swam toward the vessel, and then along the port side toward the stern of the vessel. They were last seen at 18:09 UTC traveling in the 6:00 direction in relation to the vessel's heading. The vessel was in transit to the survey area, and no mitigation was required.

Sighting #144: At 21:18 UTC, one bottlenose dolphin was observed surfacing ten meters from the bow, at a bearing of 50 degrees and traveling northeast. Upon initial observation, the dolphin began bow-riding and proceeded to bow-ride for a total of six minutes. At 21:24 UTC, the dolphin began to fast travel on the port side of the vessel, traveling parallel in the same direction as the vessel. At 21:28 UTC, the dolphin was last observed 30 meters from the vessel's port bow, swimming parallel in the same direction as the vessel. The vessel arrived at the survey site and was on stand-by for deployment due to weather. No mitigation action was necessary.

Sighting #145: At 21:39 UTC, a pod of one adult, one juvenile, and one calf bottlenose dolphins was observed fast traveling 50 meters from the bow, at a bearing of 300 degrees and traveling southwest. The pod was observed fast traveling and surfacing, crossing perpendicular ahead of the ship. The adult and calf were observed crossing and were not seen after 21:41 UTC. The juvenile was observed surfacing and swimming on the port side of the vessel. At 21:44 UTC, the dolphin was last observed 10 meters from the vessel's port bow, swimming parallel in the same direction as the vessel at a bearing of 280 degrees. The vessel arrived at the survey site and was on stand-by for deployment due to weather. No mitigation action was necessary.

Sighting #146: At 14:02 UTC, one adult bottlenose dolphin was observed surfacing 100 meters from the vessel's starboard side, at a bearing of 150 degrees and traveling northeast. The dolphin was observed surfacing once and was not observed again. The SBP was active. The closest point of approach to the active source was 130 meters at 14:02 UTC and potential exposure was noted. No mitigation action was necessary.

Sighting #147: At 17:24 UTC, one adult bottlenose dolphin was observed surfacing 60 meters from the vessel's port side bow, at a bearing of 340 degrees and traveling southeast. At 17:25 UTC, the dolphin was observed diving and was not observed again. The SBP and the bubble gun were active. The closest point of approach to the active source was 65 meters at 17:25 UTC and potential exposure was noted. No mitigation action was necessary.

Sighting #148: At 19:20 UTC, 6 adult bottlenose dolphins were observed trailing behind a shrimping vessel traveling bow to stern of the port side of the Go Seeker with a heading of 249 degrees. The dolphins were observed surfacing multiple times before being lost to sight of the stern of the vessel. The SBP and Bubble gun were active. The closest point of approach to the Go Seeker was 150 meters at 19:22 UTC. The sighting ended at 19:30. No mitigation was required.

Sighting #149: At 21:14 UTC, a pod of ten adult bottlenose dolphins was observed swimming behind a shrimp trawler vessel 700 meters off the starboard side of the vessel, traveling southwest with a bearing of 70 degrees. The pod was observed surfacing, feeding from the shrimp trawler vessel, diving, and slow traveling. At 21:25 UTC, the pod was last seen swimming behind the shrimp trawler vessel, 2,000 meters from the vessel's starboard stern. The SBP and Bubble gun were active. The closest point of approach to the active source was 730 meters at 21:14 UTC. No mitigation was required.

Sighting #150: At 22:03 UTC, a pod of twelve adult, two juvenile, and one calf bottlenose dolphins was observed swimming behind a shrimp trawler vessel 1000 meters off the starboard bow of the vessel, traveling south with a bearing of five degrees. The pod was observed surfacing, feeding from the shrimp trawler vessel, diving, jumping, tail slapping, and fast traveling. The pod crossed perpendicular in front of the ship and followed the shrimp trawl vessel as it moved parallel in the opposite direction of the vessel, traveling in a line 350 meters from the vessel's port side. At 22:20 UTC, the pod was last seen swimming behind the shrimp trawler vessel, 1,500 meters from the vessel's port stern at a bearing of 190 degrees. The SBP and Bubble gun were active. The closest point of approach to the active source was 350 meters at 22:12 UTC. No mitigation was required.

Sighting #151: At 15:53 UTC, 4 dolphins were observed approaching the vessel from the portside bow of the vessel as the Go Seeker was travelling at a heading of 223 degrees. The dolphins were observed to be travelling slowly towards the vessel before bow riding and wave surfing alongside the vessel. 2 more dolphins were observed off the portside stern travelling perpendicular to the vessel. The pod was last sighted at 16:04 UTC. No mitigation was required as no sound sources were on during weather patterns.

Sighting #152: At 17:02 UTC, a pod of one adult, two juvenile, and one calf bottlenose dolphins was detected 20 meters from the vessel's port bow, traveling southeast at a bearing of 350 degrees and crossing perpendicular ahead of the vessel. The pod was observed surfacing and jumping through the swell. At 17:11 UTC, five adult dolphins joined

the pod on the starboard side of the vessel, and they were observed swimming and surfacing in variable directions. More dolphins arrived with a total of nine adults, eight juveniles, and one calf and began swimming, surfacing, and jumping on the starboard side of the vessel. Throughout the detection, the pod was observed swimming in variable directions, fast traveling, jumping, and milling on both the port and starboard sides of the vessel. The pod remained around the vessel for the duration of the detection. The closest point of approach to the inactive source was five meters at 17:08 UTC. At 19:22 UTC, the pod was last observed 250 meters from the vessel's port side, traveling north and away from the vessel. No mitigation action was necessary as weather patterns were being observed and the sound sources were inactive. **Figure 11.**

Sighting #153: At 20:30 UTC, two bottlenose dolphins were observed travelling parallel to opposite direction to the vessel. The dolphins were swimming and milling along the starboard side for two minutes and they were not seen again. No mitigation was required.

Sighting #154: At 21:46 UTC, a pod of one adult and four juvenile bottlenose dolphins was observed slow traveling 40 meters from the vessel's port side bow, traveling towards the vessel in the northwest direction. The pod was observed surfacing once, dove, and was not observed again. At 21:48 UTC, the pod was observed diving ten meters from the vessel's port side. The closest point of approach to the inactive source was 40 meters at 21:48 UTC. No mitigation action was necessary as weather patterns were being observed and the sound sources were inactive.

Sighting #155: At 12:56 UTC, two dolphins were detected at 180 meters off the port bow travelling perpendicular to the vessel heading of 247 degrees. The individuals were sighted 3 times before being lost in the suns glare 250 meters off the port stern of the vessel. The sighting lasted 2 minutes, ending at 12:58 UTC. No mitigation was required.

Sighting #156: At 13:25 UTC, two bottlenose dolphins were observed surfacing 30 meters from the vessel's port side bow, traveling towards the vessel at a bearing of 345 degrees. At 13:30 the dolphins were observed surfacing 80 meters from the port side. The closest point of approach to the active source was 60 meters at 13:31 UTC and potential exposure was noted. They were last seen at 13:40 UTC traveling in the 12:00 direction in relation to the vessel's heading. No mitigation was required.

Sighting #157: At 14:33 UTC, two dolphins were observed surfacing 30 meters from the vessel's port side bow, traveling towards the vessel at a bearing of 355 degrees. The dolphins were observed slow traveling and surfacing towards the vessel. At 14:38 UTC, the dolphins were last seen 250 meters from the vessel's port side bow at a bearing of 300 degrees. The closest point of approach to the active source was 50 meters at 14:33 UTC. No mitigation was required. Potential exposure was noted.

Sighting #158: At 15:11 UTC, PSO observed one dolphin off the bow of the vessel traveling at a heading of 72 degrees. The dolphin was observed surfacing and slowly moving across the bow before turning towards the stern of the vessel. The dolphin traveled bow to stern and was lost to sight 250 meters of the port stern. The sighting lasted a total of 5 minutes. No mitigation was required.

Sighting #159: At 16:00 UTC, PSO observed one dolphin surface off the bow of the vessel at a heading of 272 degrees. The dolphin was observed bow riding the Go Seeker before turning and heading SE away from the vessel. The dolphin was last sighted 300 meters off the port beam. No mitigation was required.

Sighting #160: At 17:05 UTC, a pod of three adult bottlenose dolphins was observed 100 meters from the vessel's port side bow, traveling southwest at a bearing of 340 degrees. The pod was observed surfacing once and was not seen again. The SBP was on and the bubble-gun was off. The closest point of approach to the active source was 130 meters at 17:05 UTC. No mitigation action was required.

Sighting #161: At 18:25 UTC, one adult bottlenose dolphin was observed 40 meters from the vessel's port bow, crossing perpendicular ahead of the vessel and traveling northeast at a bearing of 335 degrees. The dolphin was observed surfacing once and was not observed again. Both the SBP and bubble-gun were active. The closest point of approach to the active source was 70 meters at 18:25 UTC. No mitigation action was required. Potential exposure was noted.

Sighting #162: At 20:55 UTC a pod of bottlenose dolphins was observed at 30 meters from the vessel's bow travelling parallel to opposite direction of the vessel off the starboard side. The dolphins were observed surfacing at 50 meters to the active source at 20:57 UTC a potential exposure was noted. The dolphins were milling, feeding and two of them were seen jumping 100 meters behind the gear at 20:57 UTC and they were not seen again. No mitigation action was required. **Figure 12.**

Sighting #163: At 22:34 UTC a lone bottlenose dolphin was seen crossing in front of the bow at a distance of 30 meters, in the 12:00 direction in relation to the vessel's heading of 74.5 degrees. The dolphin only surfaced once and was not sighted again. No mitigation was required.

Sighting #164: At 23:50 UTC two bottlenose dolphins were seen traveling toward the vessel from the 10:00 direction in relation to the vessel's heading of 252 degrees, at a distance of 100 meters from the bow. The dolphins surfaced twice and were not seen again. No mitigation was necessary.

Sighting #165: At 13:05 UTC, one adult bottlenose dolphin was observed surfacing 20 meters from the vessel's starboard bow, traveling west at a bearing of ten degrees. The dolphin was observed surfacing twice, crossing perpendicular ahead of the vessel and was not observed again. The vessel was in-transit to anchor in Sabine Pass due to weather and all gear was secured onboard. No mitigation action was necessary.

Sighting #166: At 23:21 UTC, two adult bottlenose dolphins were observed surfacing 70 meters from the vessel's starboard bow, traveling southeast at a bearing of 20 degrees. The dolphins were observed surfacing twice, crossing perpendicular ahead of the ship. The vessel was in the process of moving to another location to reset the anchor. VSA in-effect.

Sighting #167: At 12:25 UTC, during the transit by the Sabine pass two bottlenose dolphins were observed traveling from the 10:00 direction in relation to the vessel's heading of 170 degrees at 30 meters from the port side. The dolphins surfaced twice, and were not seen again. No mitigation was necessary.

Sighting #168: At 14:14 UTC, two adult bottlenose dolphins were observed surfacing 175 meters from the vessel's starboard stern, traveling east at a bearing of 170 degrees. The dolphins were observed surfacing and slow traveling, crossing perpendicular behind the vessel. The vessel began turning and the dolphins were traveling away from the ship. At 19:16 UTC, the dolphins were last observed 190 meters from the vessel's starboard stern. The vessel was deploying gear and all gear was off. No mitigation action was required.

Sighting #169: At 15:37 UTC, PSO observed two dolphins 125 meters off the stern of the vessel as the Go Seeker was on a heading of 296 degrees. The dolphins then turned off to the north and were lost to sight at 300 meters. The sighting lasted 3 minutes and no mitigation was required.

Sighting #170: At 18:46 UTC, a pod of three adult bottlenose dolphins was observed 1,500 meters from the vessel's port side, swimming behind a shrimp-trawler vessel and traveling parallel in the opposite direction as the vessel at a bearing of 270 degrees. The pod was observed surfacing, swimming, and presumably feeding behind the shrimp-trawler vessel. One dolphin from the pod approached the vessel and was observed surfacing twice, then returned to the shrimp-trawler vessel. At 18:54 UTC, a pod of six adult bottlenose dolphins were seen 4,000 meters from the vessel's port side and was detected by a splash. This pod was approximately 1,000 meters from the shrimp-trawler vessel and they were observed surfacing, fast traveling, and jumping. At 19:01 UTC, the dolphins were last observed 4,000 meters from the vessel's port stern, traveling away from the ship. The closest point of approach to the active source was 15 meters at 18:51 UTC. Both the SBP and BG were active. No mitigation action was necessary.

Sighting #171: At 13:02 UTC, two adult bottlenose dolphins were observed surfacing 20 meters from the port side of the vessel, traveling parallel in the opposite direction as the vessel and heading north at a bearing of 270 degrees. The dolphins were observed feeding, surfacing, and diving with tail flukes. At 13:04 UTC, the dolphins were last observed diving, heading north at a bearing of 260 degrees. The vessel was in Sabine Pass, looking for a place for anchorage and all gear was secured onboard. No mitigation action was necessary.

Sighting #172: At 15:54 UTC, as the vessel was turning, three dolphins were seen directly ahead of the vessel. They were in the 12:00 direction in relation to the vessel's heading of 250 degrees, at a distance of 50 meters. They

surfaced twice while swimming toward the vessel. At 15:56 UTC, they dove under, and were not sighted again. The SBP was on, but not the bubble gun. No mitigation was required.

Sighting #173: At 13:38 UTC, two adult bottlenose dolphins were observed surfacing 20 meters from the vessel's port side, at a bearing of 355 degrees and heading east. The dolphins were observed surfacing twice and were not seen again. At 13:39 UTC, the dolphins were observed diving and were not observed again. The SBP and bubble gun were active. The closest point of approach to the active source was 35 meters at 13:39 UTC. No mitigation was required.

Sighting #174: At 14:04 UTC two dolphins were observed in the 2:00 direction in relation to the vessel's heading of 67 degrees, at a distance of 75 meters. The dolphins traveled toward the vessel, then turned and swam toward the tail buoys and streamers. The dolphins were last seen at 14:08 UTC at a distance of 100 meters, in the 5:30 direction in relation to the vessel's heading. No mitigation was required.

Sighting #175: At 20:44 UTC, two adult bottlenose dolphins were observed surfacing 20 meters from the vessel's port bow at bearing of 345 degrees and heading south. At 20:54 UTC, the dolphins were last observed diving 30 meters from the vessel at a bearing of 280 degrees, traveling parallel in the opposite direction of the vessel. The vessel was in-transit to the survey site and all gear was off. No mitigation action was needed.

Sighting #176: At 21:17 UTC, one adult bottlenose dolphin was observed surfacing 15 meters from the vessel's port bow, traveling west at a bearing of 190 degrees. The dolphin was observed surfacing, traveling parallel in the opposite direction of the vessel. The animal was last observed diving 10 meters from the port beam. The vessel was in-transit to the survey site and no gear was in the water. No mitigation action was required.

Sighting #177: At 22:16 UTC, a pod of three adult bottlenose dolphins was observed surfacing 40 meters from the vessel's starboard bow at a bearing of ten degrees, heading west and traveling towards the ship. The pod headed towards the bow and began bow riding at 22:17 UTC. Two adult and two juvenile dolphins joined the pod of three adults and began bow riding for a total of 14 minutes. At 22:31 UTC, the pod was last seen diving while bow riding five meters from the vessel's bow at a bearing of zero degrees. The vessel was in-transit to the survey site and all gear was off. No mitigation action was required. **Figure 13.**

Sighting #178: At 23:16 UTC, a pod of three adult bottlenose dolphins was observed surfacing 50 meters from the vessel's port side of the vessel at a bearing of 20 degrees, heading east and traveling towards the vessel. The vessel was in-transit to the survey site and all gear was off. No mitigation action was required.

Sighting #179: At 17:54 UTC, a pod of three adult and two juvenile bottlenose dolphins was observed surfacing 15 meters from the vessel's starboard beam at a bearing of 95 degrees, heading northeast, traveling, and jumping parallel in the same direction as the vessel. At 18:09 UTC, the pod was last observed surfacing twice and then diving 20 meters from the vessel's port bow at a bearing of 340 degrees and traveling towards the vessel in the southwest direction. All surveying gear was inactive and out of the water. No mitigation was required.

Sighting #180: At 18:56 UTC, a pod of two adult and one calf bottlenose dolphins was observed surfacing 30 meters from the vessel's starboard bow at a bearing of 35 degrees, traveling west and towards the vessel. The pod was observed surfacing twice and then dove under the ship. At 19:01 UTC, the pod was observed 200 meters from the vessel's starboard stern at a bearing of 170 degrees, traveling south and away from the vessel. The vessel was conducting weather patterns, and all sound sources were off. No mitigation action was required.

Sighting #181: At 19:44 UTC, a pod of three adult bottlenose dolphins surfaced 30 meters from the stern of the vessel at a bearing of 180 degrees, traveling parallel in the same direction as the vessel and heading southeast. The dolphins were observed five times feeding in the same area. The animals were last observed surfacing at 19:49 UTC, traveling parallel in the same direction as the vessel. The vessel was conducting weather patterns, and all sound sources were off and out of the water. No mitigation was required.

Sighting #182: At 22:26 UTC, one adult and one juvenile bottlenose dolphins were observed surfacing 30 meters from the vessel's port beam at a bearing of 260 degrees, heading northwest and traveling parallel in the same direction as the vessel. Throughout the detection, the dolphins were observed slow traveling, surfacing, and milling. At 22:43 UTC, the dolphins were last observed surfacing 20 meters from the vessel's port beam at a bearing of 290 degrees, heading

north and traveling parallel in the same direction as the vessel. The vessel was conducting weather patterns, and all sound sources were off. No mitigation action was required.

Sighting #183: At 23:14 UTC, one adult bottlenose dolphin was observed surfacing 40 meters from the vessel's port side at a bearing of 275 degrees, heading northwest and traveling parallel in the same direction as the vessel. There were no mitigation actions, and the source was off.

Sighting #184: At 23:53 UTC, three adult and one juvenile bottlenose dolphins were observed surfacing 35 meters from the vessel's port side at a bearing 265 degrees, heading northwest and traveling parallel in the same direction of the vessel. Throughout the detection, the dolphins were observed slow traveling, surfacing, and milling. At 23:57 UTC, the dolphins were last seen traveling in the same direction as the initial observation. There was no mitigation required and the source was off.

Sighting #185: At 01:00 UTC, eight adult and two juvenile bottlenose dolphins were observed 20 meters from the starboard bow with a bearing of 40 degrees and a northeast heading towards the vessel. At 01:01 UTC, another five adult and two juvenile bottlenose dolphins were observed approaching the vessel from the port's bow. The animals were observed feeding on both sides forward of the port and starboard beam, while continuing to steadily travel parallel in the same direction as the vessel. The closest point of approach to the vessel was one meter at 01:05 UTC. The observation ended upon completion of the observer watch at 01:05 UTC, but it was noted that the animals continued feeding for an undetermined amount of time post-shift. The vessel was conducting weather patterns with all sound sources off and out of the water during time of detection. No mitigation action was required.

Sighting #186: At 11:45 UTC, a pod of two adult and one calf bottlenose dolphins was observed surfacing 20 meters from the vessel's port beam at a bearing of 270 degrees, heading north and traveling parallel in the same direction as the vessel. Throughout the detection, they were observed surfacing and milling around the vessel on both the port and starboard side. At 12:25 UTC, the pod was last observed surfacing and milling, heading north and traveling parallel in the same direction as the vessel on the starboard side. The closest point of approach to the inactive source was five meters at 11:45 UTC. The pod was observed during the 30-minute preclearance period, resulting in a 48-minute delay to the initiation of the source. All sources were inactive. No mitigation action was necessary.

Sighting #187: At 13:33 UTC, one adult dolphin was observed 15 meters from the vessel's port bow surfacing and approaching the vessel at a bearing of 350 degrees relative to the vessel. The animal surfaced twice and was not sighted again. The sound sources were both on and active at the time of detection. The closest point of approach to the active source was 20 meters at 13:35 UTC. No mitigation action was required. Potential exposure was noted.

Sighting #188: At 00:33 UTC, one bottlenose dolphin was observed surfacing once one meter from the bow. The dolphin was last detected on the vessel's port bow at 00:37 UTC, heading east and slow traveling parallel in the same direction as the vessel. Both sound sources were active at the time of detection. The closest point of approach to the active source was 30 meters at 00:33 UTC. No mitigation action was required. Potential exposure was noted.

Sighting #189: At 12:27 UTC, one juvenile bottlenose dolphin was observed 20 meters from the port side of the vessel's bow at a bearing of 270 degrees, traveling parallel and heading north towards the vessel. The dolphin was observed surfacing and milling. The last sighting of the dolphin was 12:37 UTC. Both sources were active at the time of the detection. No mitigation action was required. Potential exposure was noted.

Sighting #190: At 15:42 UTC, a pod of three adult, one juvenile, and one calf bottlenose dolphins were observed surfacing 50 meters from the vessel's starboard stern at a bearing of 160 degrees, heading east and traveling parallel in the same direction as the vessel. The pod was observed surfacing and slow traveling by the bubble gun. At 15:46 UTC, the pod was last observed 100 meters from the vessel's starboard stern at a bearing of 165 degrees, heading south and traveling away from the vessel. The closest point of approach to the active source was 15 meters at 15:44 UTC. The Bubble gun and SBP were both active during the time of the detection. No mitigation action was necessary. Potential exposure was noted.

Sighting #191: At 17:15 UTC, two adult and one juvenile bottlenose dolphins were observed 20 meters from the vessel's port bow, surfacing and approaching the vessel at a bearing of 350 degrees relative to the vessel. The animals surfaced once and were not sighted again. The sound sources were both on and active at the time of detection. The

closest point of approach to the active source was 20 meters at 17:15 UTC. No mitigation action was required. Potential exposure was noted.

Sighting #192: At 19:01 UTC, two adult bottlenose dolphins were observed surfacing 40 meters from the vessel's starboard beam at a bearing of 100 degrees, heading south and traveling parallel in the same direction as the vessel. Several more dorsal fins were observed on the port side of the vessel for a total of three adults, three juveniles, and one calf. The pod was observed jumping, riding the swell of the waves, tail slapping, diving with flukes, and surfacing. At 19:27 UTC, the pod was last observed swimming 500 meters from the vessel's starboard bow, traveling away from the ship at a bearing of 20 degrees. The closest point of approach to the inactive source was 20 meters at 19:06 UTC. No mitigation action was necessary as the gear was being recovered due to weather and the sound sources were inactive.

Sighting #193: At 19:45 UTC, a pod of three adult bottlenose dolphins was observed surfacing 50 meters from the vessel's port side of the vessel at a bearing of 270 degrees, heading east and traveling towards the vessel. The dolphins were observed surfacing and diving, along with jumping and riding the waves. The last sighting was 20:14 UTC. The vessel was in-transit, and all gear was off. No mitigation action was required. **Figure 14.**

Sighting #194: At 22:15 UTC, one adult and one juvenile bottlenose dolphins were observed surfacing 50 meters from the vessel's starboard bow at a bearing of 20 degrees, heading northeast and traveling towards the vessel. The dolphins were observed surfacing and diving around the bow of the vessel. At 22:38 UTC, the dolphins were last observed ten meters from the vessel's starboard bow at a bearing of five degrees, heading north and traveling towards the vessel. No mitigation action was necessary. The vessel was in-transit to port and the sound sources were inactive.

Sighting #195: At 12:30 UTC, one adult bottlenose dolphin was observed surfacing 20 meters from the vessel's port bow at a bearing of 360 degrees, heading northwest and traveling parallel in the same direction as the vessel. At the same time, there was one dolphin observed bow riding a cargo ship 50 meters from the vessel's port side. Another dolphin was observed following a shrimp trawler, presumably feeding from the bycatch. The vessel was in-transit to port and the sound sources were off. Therefore, no mitigation actions were necessary.

Sighting #196: At 00:01 UTC, a pod of two adult, one juvenile, and one calf were observed surfacing and jumping 20 meters from the vessel's starboard beam at a bearing of 150 degrees, traveling towards the ship and heading southwest. The vessel was departing Galveston harbor, and several pods were observed throughout the detection. The pods were observed feeding, surfacing, bow riding on a cargo ship, slow traveling, jumping, and bow riding. A pod of one adult, two juvenile, and one calf were bow riding for a total of eight minutes and were last observed diving two meters from the vessel's bow at a bearing of 353 degrees at 00:20 UTC. The vessel was in-transit to the survey site and all gear was secured onboard. No mitigation action was necessary. **Figure 15.**

Sighting #197: At 00:45 UTC, two adult bottlenose dolphins were observed surfacing 60 meters from the vessel's starboard side at a bearing of 15 degrees, traveling towards the vessel and heading south. The dolphins were observed surfacing twice and were not seen again. The vessel was in-transit to the survey site and all gear was secured onboard. No mitigation action was necessary.

Sighting #198: At 13:37 UTC, four bottlenose dolphins were observed 30 meters from the port bow at a bearing of 360 degrees and a southwest heading towards the vessel. The animals were observed surfacing and swimming in various directions on the forward beam, while continuing to steadily travel parallel in the same direction as the vessel. The closest point of approach to the vessel was one meter at 13:42 UTC. The animals were last observed at 14:05 UTC on the port bow, swimming and diving away from the vessel. The vessel was conducting weather patterns, and the sound sources were reduced, with only the SBP active at the time of detection. No mitigation action was necessary. Potential exposure was noted. **Figure 16.**

Sighting #199: At 17:45 UTC, a pod of five adult bottlenose dolphins was observed surfacing 20 meters from the vessel's port bow in the 10:00 direction relative to the vessel's heading of 139 degrees, heading parallel in the same direction as the vessel. The dolphins were observed diving in and out of the water and feeding with no changes in behavior. The final sighting of the dolphins was at 17:55 UTC at the same place in the 10:00 direction relative to the vessel, heading northeast. The vessel was conducting weather patterns, and the sound sources were reduced, with

only the SBP active at the time of detection. No mitigation actions were necessary. Potential exposure was noted.

Figure 17.

Sighting #200: At 18:51 UTC, one adult bottlenose dolphin was observed surfacing 600 meters from the vessel's port bow in the 11:30 direction relative to the vessel's heading of 272 degrees, heading southeast and traveling towards the vessel. The dolphin was observed surfacing, feeding, and slow traveling. At 18:57 UTC, the dolphin was observed surfacing five meters from the vessel's starboard bow in the 02:00 direction. The vessel was conducting weather patterns, and the sound sources were reduced, with only the SBP active at the time of detection. No mitigation actions were necessary. Potential exposure was noted.

Sighting #201: At 19:24 UTC, a pod of ten adult, eight juvenile, and one calf bottlenose dolphins was observed surfacing behind a shrimp trawler 500 meters from the vessel's starboard bow in the 01:00 direction relative to the vessel's heading of 249 degrees, heading southeast and traveling parallel in the opposite direction as the vessel. The pod was observed surfacing, presumably feeding from the bycatch from the shrimp trawler, and fast traveling. At 19:37 UTC, the pod was observed 2,000 meters from the vessel's starboard beam in the 05:00 direction. The vessel was conducting weather patterns, and the sound sources were reduced, with only the SBP active at the time of detection. No mitigation actions were necessary.

Sighting #202: At 20:57 UTC, a pod of ten adult and five juvenile bottlenose dolphins was observed surfacing behind a shrimp trawler, 500 meters from the vessel's starboard side, heading southeast and traveling parallel in the opposite direction as the vessel. The pod was observed surfacing and appeared to be feeding from the bycatch from the shrimp trawler. The pod was last observed from the starboard side at 21:04 UTC. At the time of detection, the vessel was doing weather patterns. The SBP was active at the time. No mitigation was required.

Sighting #203: At 20:57 UTC, three bottlenose dolphins were observed surfacing 30 meters away, heading northwest towards the starboard bow of the vessel. The dolphins were observed leaving from a shrimp trawler 500 meters from the vessel. The vessel at the time was at a heading of 82 degrees, heading east. The closest point of approach to the sound source was 30 meters at 20:57 UTC. The animals were last observed at 21:00 UTC swimming away from the vessel's port side. At the time of detection, the vessel was doing weather patterns. The SBP was active at the time. No mitigation was required. Potential exposure was noted.

Sighting #204: At 23:05 UTC, one adult bottlenose dolphin was observed surfacing 20 meters from the vessel's bow at a bearing of 15 degrees, heading north and away from the vessel. The dolphin was observed surfacing once and was not sighted again. The vessel was conducting weather patterns, and the sound sources were reduced, with only the SBP active at the time of detection. No mitigation actions were necessary. Potential exposure was noted.

Sighting #205: At 23:22 UTC, two adult bottlenose dolphins were observed surfacing 15 meters from the front of the vessel, heading south towards the vessel. The vessel was conducting weather patterns, and the sound sources were reduced, with only the SBP active at the time of detection. No mitigation actions were necessary. Potential exposure was noted.

Sighting #206: At 23:38 UTC, two adult bottlenose dolphins were seen traveling towards the vessel at a range of 200 meters from the port side of the vessel. The animals were last observed at 23:49 UTC, 150 meters from the vessel's starboard quarter, slowly travelling parallel in the same direction as the vessel. The vessel was conducting weather patterns, and the sound sources were reduced, with only the SBP active at the time of detection. No mitigation actions were necessary. Potential exposure was noted.

Sighting #207: At 23:54 UTC, a pod of four adult bottlenose dolphins was observed 30 meters from the vessel's starboard bow in the 2:00 direction relative to the vessel's heading of 61 degrees, heading north and towards the vessel. The pod was observed surfacing and milling. At 23:57 UTC, the pod was last observed surfacing 100 meters from the vessel's stern in the 05:00 direction. The vessel was conducting weather patterns, and the sound sources were reduced, with only the SBP active at the time of detection. No mitigation actions were necessary. Potential exposure was noted.

Sighting #208: At 00:47 UTC, three bottlenose dolphins were observed 50 meters from the vessel's starboard beam, heading south and slowly traveling parallel in the same direction as the vessel. The animals surfaced three times and were not sighted again. The vessel was conducting weather patterns and the SBP was active at the time of detection.

The closest point of approach to the active source was 80 meters at 00:47 UTC. No mitigation action was required. Potential exposure was noted.

Sighting #209: At 14:48 UTC, one bottlenose dolphin was observed 30 meters from the starboard beam, swimming towards the vessel. The dolphin surfaced twice on the starboard side and dove. At 14:53 UTC, two dolphins were observed surfacing 150 meters from the vessel's port side, traveling south and away from the vessel. Both the SBP and Bubble gun were active at the time of the detection. The closest point of approach to the active source was 40 meters at 14:50 UTC. No mitigation action was required. Potential exposure was noted.

Sighting #210: At 18:03 UTC, several dorsal fins were observed behind a shrimp-trawler vessel, 600 meters from the vessel's port side in the 10:30 direction relative to the vessel's heading of 168 degrees. The pod was traveling parallel in the opposite direction as the vessel and heading northeast. In total, there was a pod of five adult and one calf bottlenose dolphins, and the pod was observed behind the shrimp-trawler vessel, surfacing, and feeding, for the duration of the detection. At 18:11 UTC, the pod was last observed behind the shrimp-trawler vessel, 2,500 meters from the vessel's port stern in the 06:30 direction. Both the SBP and Bubble gun were active at the time of the detection. The closest point of approach to the active source was 600 meters at 18:04 UTC. No mitigation action was required.

Sighting #211: At 19:37 UTC, one adult dolphin was observed 230 meters from the front of the vessel's bow, heading in the same direction as the vessel. The dolphin was observed surfacing for the entire observation with last sighting at 19:55 UTC. Both the SBP and Bubble gun were active at the time of detection and no mitigation was required.

Sighting #212: At 22:44 UTC, one adult dolphin was observed 20 meters from the port bow, heading towards the vessel with a bearing of 240 degrees and a heading of 60 degrees. The animal surfaced twice then dove below the vessel's bow at 22:48 UTC and was not sighted again. Both the SBP and Bubble gun were active at the time of detection. The closest point of approach to the active source was 30 meters at 22:45 UTC. No mitigation was required. Potential exposure was noted.

Sighting #213: At 23:05 UTC, one adult bottlenose dolphin was observed surfacing 15 meters from the vessel's starboard beam in the 02:00 direction relative to the vessel's heading of 76 degrees, heading southwest and towards the vessel. The dolphin was observed surfacing once and was not sighted again. Both the SBP and Bubble gun were active at the time of the detection. The closest point of approach to the active source was 30 meters at 23:05 UTC. No mitigation action was required. Potential exposure was noted.

Sighting #214: At 23:20 UTC, a pod of 15 adult, four juvenile, and one calf bottlenose dolphins were observed following behind a trawling vessel with the potential of feeding at the time of detection. The pod was seen on the port side of the vessel heading in the south direction, surfacing, and feeding behind the shrimp-trawler vessel. Both SBP and Bubble gun were active at the time of the detection. The closest point of approach to the active source was 300 meters at 23:30 UTC. No mitigation was required.

Sighting #215: At 23:37 UTC, one adult bottlenose dolphin was observed surfacing 20 meters from the vessel's starboard beam in the 03:00 direction relative to the vessel's heading of 67 degrees, heading northwest and towards the vessel. The dolphin was observed surfacing once and was not sighted again. Both the SBP and Bubble gun were active at the time of the detection. The closest point of approach to the active source was 35 meters at 23:37 UTC. No mitigation action was required. Potential exposure was noted.

Sighting #216: At 12:14 UTC, a pod of five adult dolphins was observed heading towards the bow of the vessel at 275 meters. The pod was observed slow traveling and surfacing in 5-second intervals. The closest point of approach to the active source was 20 meters on the port side of the vessel at 12:17 UTC and not sighted again. Both SBP and Bubble gun were active at the time of detection. No mitigation was required. Potential exposure was noted.

Sighting #217: At 12:50 UTC, two bottlenose dolphins were observed heading across the bow of the vessel at 1000 meters, heading southwest. They were observed slow traveling and surfacing. At 13:00 UTC, the dolphins were last observed 1,000 meters from the starboard beam, heading northwest and swimming away from the vessel. The SBP and Bubble gun were both active at the time of the detection. The closest point of approach to the active source was 1000 meters at 12:52 UTC. No mitigation was required.

Sighting #218: At 14:40 UTC, three bottlenose dolphins were observed surfacing and fast traveling parallel in the opposite direction as the vessel with a bearing of 10 degrees and a west heading. The animals were last detected at 14:44 UTC, continuing their western course. The SBP and Bubble gun were both active at the time of detection. The closest point of approach to the active source was 210 meters from the port beam at 14:40 UTC. The animals did not enter the exclusion zone and no mitigation was required.

Sighting #219: At 15:34 UTC, one adult bottlenose dolphin was observed surfacing 70 meters from the vessel's port beam in the 09:00 direction relative to the vessel's heading of 324 degrees, heading northwest and traveling parallel in the same direction as the vessel. The dolphin was observed surfacing three times and was last observed at 15:35 UTC, 80 meters from the vessel's port beam in the 10:00 direction. The closest point of approach to the active source was 70 meters at 15:34 UTC. Both the SBP and BG were active at the time of the detection. No mitigation was required. Potential exposure was noted.

Sighting #220: At 15:38 UTC, two adult bottlenose dolphins were observed surfacing with a slow travel, 25 meters from the vessel's port side at a bearing of 270 degrees. The dolphins were traveling parallel in the same direction as the vessel and heading in the southern direction. They were observed surfacing twice and were last observed at 15:48 UTC. The closest point of approach to the active source was 15 meters at 15:48 UTC. Both the SBP and BG were active at the time of the detection. No mitigation was required. Potential exposure was noted.

Sighting #221: At 17:44 UTC, a pod of five adult bottle nose dolphins were observed 500 meters away from the port beam, surfacing and traveling parallel in opposite direction of the vessel, with a bearing of 60 degrees heading southwest. The dolphins were observed following and feeding off the bycatch from a shrimp trawler. The SBP and Bubble gun were both active at the time of detection. The closest point of approach to the active source was 500 meters from the port's beam at 17:34 UTC. The animals were last detected at 14:44 UTC continuing their western course. The animals did not enter the exclusion zone a no mitigation was required.

Sighting #222: At 18:43 UTC, two bottlenose dolphins were detected two meters from the vessel's port bow with a bearing of 210 degrees, heading northeast. The dolphins surfaced three times. At 18:50 UTC, three dolphins were observed 25 meters from the vessel's port beam, slow traveling parallel in the same direction as the vessel. Throughout the detection, the dolphins were observed surfacing, milling, and slow traveling on both the port and starboard beam close to the Bubble gun. At 19:45 UTC, the pod was last observed 500 meters from the vessel's starboard beam at a bearing of 160 degrees, swimming away from the vessel and heading southwest. The SBP and Bubble gun were both active at the time of detection. The closest point of approach to the active source was 10 meters at 19:10 UTC. No mitigation was required. Potential exposure was noted.

Sighting #223: At 21:00 UTC, two bottlenose dolphins were detected 30 meters from the vessel's port bow with a bearing of 162 degrees and a northwest heading. The dolphins surfaced twice times and were feeding. The last observation of the dolphins was at 21:05 UTC, 20 meters from the vessel's bow and the dolphins were heading towards the vessel in the northwest direction. The SBP and Bubble gun were both active at the time of detection. No mitigation was required. Potential exposure was noted.

Sighting #224: At 21:44 UTC, five bottlenose dolphins were detected 150 meters from the vessel's port beam at a bearing of 210 degrees, heading southwest and parallel in the same direction as the vessel. The dolphins surfaced three times before diving. At 21:50 UTC, another pair of dolphins were detected on the port bow heading west towards the vessel, then turned southwest following parallel in the same direction as the vessel. Simultaneously, one dolphin was observed bow riding off the starboard bow, then headed east towards the port beam side of the vessel. Several other small pods of bottlenose dolphins joined a similar path on the vessel's port side, parallel in the same direction as the vessel. As the detection continued, it was noted that we were approaching a shrimp trawling vessel, and the dolphins were following along the trawl net water trail. The survey vessel turned west, and the dolphins continued to follow the shrimp trawler. Last detection was at 22:15 UTC, continuing the path of the trawler. The SBP and Bubble gun were both active at the time of detection. The closest point of approach to the active source was ten meters at 21:50 UTC. No mitigation was required. Potential exposure was noted.

Sighting #225: At 23:35 UTC, a pod of eight adult and three juvenile bottlenose dolphins was observed 300 meters from the vessel's port bow at a bearing of 280 degrees, heading south and towards the vessel. The pod was observed surfacing, fast traveling, and jumping. At 23:38 UTC, the pod was last observed 15 meters from the vessel's port beam,

heading north and traveling parallel in the opposite direction as the vessel. The closest point of approach to the active source was 25 meters at 23:38 UTC. Both the SBP and Bubble gun were active at the time of the detection. No mitigation was required. Potential exposure was noted. **Figure 18**

Sighting #226: At 15:43 UTC, a pod of two adult and one juvenile bottlenose dolphins was observed 50 meters from the vessel's port bow at a bearing of 355 degrees, heading southwest and towards the vessel. The pod was observed surfacing and fast traveling by the bow of the vessel and along the starboard side from the bow to the bubble gun. At 15:52 UTC, the pod was last observed surfacing 10 meters from the vessel's starboard bow, heading east, and traveling parallel in the same direction as the vessel. The closest point of approach to the active source was 35 meters at 15:45 UTC. Both the SBP and Bubble gun were active at the time of the detection. No mitigation was required. Potential exposure was noted.

Sighting #227: At 16:38 UTC, five adult bottlenose dolphins were observed traveling 350 meters on the port side of the vessel, traveling parallel in the opposite direction as the vessel and in the southern direction. The closest point of approach to the active source and the last sighting was 300 meters at 16:44 UTC. Both the SBP and Bubble Gun were active at the time of the detection. No mitigation was required.

Sighting #228: At 19:44 UTC, a pod of six adult and five juvenile bottlenose dolphins was observed surfacing 150 meters from the vessel's port bow at a bearing of 275 degrees, heading south and traveling towards the vessel. The pod was observed surfacing, feeding, and slow traveling. The pod was observed traveling past the vessel and behavior of feeding such as tail slapping was observed. At 20:06 UTC, the pod was last observed 400 meters from the vessel's starboard stern, traveling northwest and away from the vessel. Both the SBP and BG were active during the time of the detection. The closest point of approach to the active source was 20 meters at 19:52 UTC. No mitigation was required. Potential exposure was noted.

Sighting #229: At 22:56 UTC, a pod of 12 adult and eight juvenile bottlenose dolphins was observed traveling behind a shrimp-trawler vessel, 1,500 meters from the vessel's port beam in the 11:00 direction relative to the vessel's heading of 98 degrees. The pod was traveling parallel in the opposite direction as the vessel and heading southwest. The pod was observed feeding and surfacing behind the shrimp trawler. At 23:04 UTC, six dolphins of the pod were observed 100 meters from the vessel's port beam, fast traveling towards the vessel in the 08:00 direction. The rest of the pod remained swimming behind the shrimp trawler until the pod was out of sight at 23:06 UTC, while these six dolphins were last observed at 23:10 UTC in the 07:00 direction, traveling north and away from the vessel. The closest point of approach to the active source was 40 meters at 23:04 UTC. Both the SBP and BG were active during the time of the detection. No mitigation was required. Potential exposure was noted.

Sighting #230: At 23:26 UTC, a pod of 12 bottlenose dolphins was observed 120 meters from the vessel, traveling on the port side and heading southwest. The pod was observed surfacing and traveling in variable directions. The pod was traveling parallel in the opposite direction to the vessel on the port side until they were last sighted at 23:38 UTC. The closest point of approach to the active source was 20 meters at 23:28 UTC. Both the SBP and BG were active at the time of the detection. There was possible exposure noted but no mitigation was required.

Sighting #231: At 12:16 UTC, a pod of five adult bottlenose dolphins was observed 20 meters from the vessel, traveling on the port side and heading in the same direction of north as the vessel's heading. The pod was observed surfacing and traveling slow. At 12:35 UTC, the pod was last observed 40 meters from the vessel's port side, heading away from the ship. The closest point of approach to the active source was 30 meters at 12:20 UTC. Both the SBP and BG were active at the time of detection. No mitigation required. Possible exposure was noted.

Sighting #232: At 12:45 UTC, two bottlenose dolphins were observed 30 meters from the starboard beam of the vessel with a bearing of 180 degrees, heading north. The animals were observed surfacing four times, traveling slow, and were last sighted at 12:48 UTC. The closest point of approach to the active source was 30 meters at 12:47 UTC. Both the SBP and Bubble gun were active at the time of the detection. There was possible exposure noted but no mitigation was required.

Sighting #233: At 13:10 UTC, two bottlenose dolphins were observed on the starboard quarter of the vessel, swimming parallel in the same direction as the vessel at a bearing of 180 degrees. The dolphins surfaced twice then dove. At 13:13 UTC, the animals were observed on the port beam, swimming away from the vessel. The SBP and BG

were both active at the time of detection. The animals were last detected at 13:15 UTC, swimming away from the vessel. The closest point of approach to the active source was 20 meters at 13:13 UTC. No mitigation was required. Potential exposure was noted.

Sighting #234: At 13:30 UTC, seven bottlenose dolphins were observed 220 meters from the vessel's port bow, traveling parallel in the opposite direction as the vessel with a bearing of 180 degrees and heading north. The animals were following a shrimp trawler following the same path. At 14:07 UTC, five dolphins approached the vessel, slow traveling and surfacing 30 meters from the vessel's port side, crossing perpendicular ahead of the vessel. At 14:12 UTC, another three bottlenose dolphins were observed joining the previous group following the trawler. The animals continued to follow the shrimp trawler. At 14:18 UTC, the pod was last observed 20 meters from the vessel's starboard stern at a bearing of 30 degrees, traveling parallel in the opposite direction as the vessel. The closest point of approach to the active source was 20 meters at 14:16 UTC. The SBP and BG were both active at time of detection. No mitigation was required. Potential exposure was noted for the five dolphins that entered the exclusion zone.

Sighting #235: At 14:37 UTC, a pod of five adult, three juvenile, and one calf bottlenose dolphins was observed surfacing 100 meters from the vessel's bow at a bearing of 210 degrees, heading northeast and towards the vessel. Throughout the detection, the pod was observed feeding, tail slapping, and fast traveling. At 15:12 UTC, the pod was last observed swimming beneath the surface and diving beneath the vessel, 5 meters from the vessel's port bow at a bearing of 120 degrees and traveling northwest. The closest point of approach to the active source was 25 meters at 15:12 UTC. Both the SBP and BG were active at the time of the detection. No mitigation was required. Potential exposure was noted.

Sighting #236: At 15:28 UTC, a pod of five adult and three juvenile bottlenose dolphins was observed surfacing 175 meters from the vessel at a bearing of 135 degrees, heading in variable directions. For the duration of the observation, the pod was observed surfacing, slow traveling, and tail slapping. The pod was last seen at 16:35 UTC at the stern of the vessel where the source (BG) is located. The closest point of approach to the active source was 10 meters at 16:29 UTC. Both the SBP and BG were active at the time of detection. No mitigation was required. Potential exposure was noted.

Sighting #237: At 17:00 UTC, three adults and one juvenile bottlenose dolphins were observed surfacing 20 meters from the vessel's starboard side at a bearing of 180 degrees, heading southwest of the vessel. At 17:05 UTC, the dolphins were observed surfacing and diving five times. The closest point of approach to the active source was 30 meters at 17:02 UTC and the closest point approach to the inactive source and last sighting was 20 meters at 17:15 UTC. Both the SBP and the Bubble Gun were active for the first three minutes of the detection and were turned off at 17:03 UTC. No mitigation was required. Potential exposure was noted for the three minutes that the source was active.

Sighting #238: At 17:58 UTC, three adult bottlenose dolphins and one calf were observed 40 meters from the port beam fast traveling in the same direction parallel to the vessel, with a bearing of 60 degrees heading south. Four juvenile dolphins joined the pod. The dolphins followed along the vessel switching direction of travel, bow riding, and jumping. At 19:52 UTC, the pod was last observed surfacing and fast traveling 15 meters from the starboard side at a bearing of 60 degrees, traveling parallel to the vessel in the same direction. Both sound sources were off, and the BG was in the process of being retrieved at the time of detection. The closest point of approach to the inactive source (SBP) was ten meters at 18:04 UTC. No mitigation was required. **Figure 19**

Sighting #239: At 21:00 UTC, ten adult, one juvenile and one calf bottlenose dolphins were observed five meters from the port quarter, fast traveling in the same direction parallel to the vessel with a bearing of 30 degrees and heading south. The dolphins followed along as the vessel ran weather patterns, switching direction of travel, bow riding, and jumping. At 22:33 UTC, the pod was last observed 100 meters from the vessel's port bow at a bearing of 280 degrees, traveling parallel in the same direction as the vessel. Both sound sources were off, and the BG was out of the water retrieved at the time of detection. The closest point of approach to the inactive source (SBP) was five meters at 21:00 UTC. No mitigation was required.

Sighting #240: At 00:01 UTC, a pod of two adult and one juvenile bottlenose dolphins was observed 10 meters from the vessel's starboard bow at a bearing of 330 degrees, traveling parallel in the same direction as the vessel and heading northwest. The pod was observed surfacing and diving. At 00:30 UTC, the pod was last observed 20 meters

from the vessel's portside at a bearing of 250 degrees, traveling parallel in the same direction as the vessel and heading northwest. The closest point of approach to the inactive source (SBP) was 30 meters at 00:03 UTC. Both sound sources were off, and the Bubble gun was out of the water and the SBP was inactive in the water. No mitigation was required. **Figure 20**

Sighting #241: At 12:20 UTC, a pod of four adults, one juvenile, and one calf bottlenose dolphins was observed 10 meters from the vessel's starboard bow at a bearing of 201 degrees, traveling parallel in the same direction as the vessel and heading south. The pod was observed surfacing and diving. The closest point of approach to the inactive source, the SBP, was 10 meters at 12:25 UTC. At 12:40 UTC, the pod was last observed surfacing 25 meters from the vessel's portside at a bearing at 120 degrees, traveling parallel in the same direction as the vessel and heading south. Both sound sources were off, and the Bubble Gun was out of the water and the SBP was inactive in the water. No mitigation was required. **Figure 21**

Sighting #242: At 13:00 UTC, a pod of five bottlenose dolphins was observed four meters from the vessel's port quarter surfacing and slowly moving, heading south with a 45-degree bearing, traveling parallel in the same direction as the vessel. The animals continued to follow the path of the vessel, slow traveling, bow riding, and switching between port and starboard throughout the duration of the detection. The animals were last observed at 13:55 UTC on the starboard bow, swimming away from the vessel. The pod was observed inside the buffer zone during the 30-minute preclearance search period for initiation of the seismic source and ramp-up began 27 minutes after the last sighting at 14:22 UTC. Both the SBP and BG were turned off and the BG was out of the water at time of detection. The closest point of approach to the inactive SBP was four meters at 13:00 UTC. No mitigation was required.

Sighting #243: At 14:29 UTC, two adult bottlenose dolphins were observed surfacing eight meters from the vessel's starboard bow at a bearing of five degrees, traveling parallel in the same direction as the vessel and heading north. Throughout the detection, the dolphins were observed surfacing near the bow of the vessel, traveling in variable directions. At 14:50 UTC, the dolphins were last observed 15 meters from the vessel's port bow at a bearing of 320 degrees, heading west and away from the vessel. The SBP and Bubble gun were both active at the time of the detection. The closest point of approach to the active source was 30 meters at 14:33 UTC. No mitigation was required. Potential exposure was noted.

Sighting #244: At 18:10 UTC, two adults, one juvenile, and one calf bottlenose dolphins were observed 40 meters away approaching the starboard bow at a bearing of 60 degrees, heading southwest. The pod was observed swimming and surfacing ahead of the bow for the duration of the detection. The closest point of approach to the active source was 40 meters at 18:20 UTC. The dolphins were last detected 60 meters away at 18:29 UTC swimming away from the vessel from the port bow, heading north. The SBP and Bubble Gun were both active at the time of the detection. No mitigation was required. Potential exposure was noted.

Sighting #245: At 18:41 UTC, one adult bottlenose dolphin was observed 100 meters from the starboard bow at a bearing of 120 degrees and a northwest heading. The animal was fast traveling and was observed surfacing three times. The closest point of approach to the active source was 30 meters at 18:44 UTC. The dolphin was last detected at 18:49 UTC off the starboard bow heading east away from the vessel. The SBP and Bubble gun were both active at the time of the detection. No mitigation was required. Potential exposure was noted.

Sighting #246: At 12:57 UTC, one adult bottlenose dolphin was observed surfacing 20 meters from the port bow, heading northeast towards the vessel from a 180-degree bearing. At 13:05 UTC, an additional six adult, one juvenile, and one calf bottlenose dolphins were observed bow riding, following the path of the vessel, heading southwest. The dolphins were last observed bow riding two meters from the vessel's bow, then diving at 13:33 UTC. The vessel was in-transit to Gulf Copper Dry Dock and both sound sources were off and out of the water at the time of detection. No mitigation was required. VSA in effect.

Sighting #247: At 15:10 UTC, a pod of seven adult bottlenose dolphins was observed surfacing 20 meters from the port side of the vessel, heading northeast and towards the vessel at a 300-degree bearing. The last observation of the pod was 20 meters from the port bow at 15:11 UTC and they were surfacing and fast traveling. The vessel was in-transit to the Gulf Copper Dry Dock and both sources were off and out of the water at the time of detection. No mitigation was required. VSA in effect.

Sighting #248: At 16:20 UTC, five adult bottlenose dolphins were observed 40 meters from the bow at a bearing of 228 degrees, diving in variable directions and showing feeding behaviours. The animals were observed surfacing five times while feeding and tail slapping. The dolphins were last detected at 16:30 UTC off the port side of the vessel with no change in behaviour or location as the initial sighting. The vessel was in Galveston Bay in-transit to Gulf Copper Dry Dock. Both sources were off and out of the water at the time of detection. No mitigation required. VSA in effect.

Sighting #249: At 16:14 UTC, a pod of four bottlenose dolphins was observed surfacing 30 meters from the stern of the vessel at a bearing of 236 degrees, diving, feeding, and surfacing multiple times in variable directions. The animals were observed surfacing ten times while feeding. The dolphins were last detected at 16:40 UTC off the starboard side of the vessel traveling in the same direction as the vessel at a bearing of 127 degrees, heading southeast. Both sources were off and out of the water at the time of detection. The vessel was backing out of the dock in Galveston Bay in-transit to conduct DP testing. No mitigation required. VSA in effect.

Sighting #250: At 17:24 UTC, one adult bottlenose dolphin was observed 50 meters away, crossing ahead of the vessel's port bow, and traveling northeast with a bearing of 138 degrees. The dolphin surfaced twice and was not sighted again. Last detection was at 17:25 UTC on the port bow, heading northeast and away from the vessel. The vessel was in-transit to conduct DP testing with both sources off and out of the water at the time of detection. No mitigation was required. VSA in effect.

Sighting #251: At 18:29 UTC, a pod of five adult bottlenose dolphins was observed 20 meters from the vessel's starboard bow at a bearing of 150 degrees, heading northeast and crossing perpendicular ahead of the vessel. The pod was observed slow traveling, surfacing, feeding, and tail slapping. At 18:36 UTC, the pod was last observed surfacing 150 meters from the vessel's port beam at a bearing of 97 degrees, heading northeast and away from the vessel. The vessel was in-transit and conducting DP testing in Galveston Bay. Both sources were off and out of the water throughout the duration of the detection. No mitigation was necessary. VSA in effect.

Sighting #252: At 18:57 UTC, a pod of three juvenile bottlenose dolphins was observed 30 meters from the vessel's port bow at a bearing of 215 degrees, heading northwest and traveling away from the vessel. The pod was observed surfacing and slow traveling around the vessel. At 19:35 UTC, the pod was last observed surfacing 100 meters from the vessel's starboard side at a bearing of 105 degrees, heading northeast and traveling parallel in the same direction as the vessel. The vessel was in-transit and conducting DP testing in Galveston Bay. Both sources were off and out of the water throughout the duration of the detection. No mitigation was necessary. VSA in effect.

Sighting #253: At 20:57 UTC, three bottlenose dolphins were observed surfacing 20 meters from the vessel's port bow at a bearing of 212 degrees, heading in different directions, surfacing six times, and feeding. The last detection was at 21:23 UTC off the port bow as the vessel was leaving Gulf Copper Dry Dock. Both sound sources were off and out of the water at the time of the detection. No mitigation required. VSA in effect.

Sighting #254: At 21:39 UTC, three adult bottlenose dolphins were observed 90 meters from the port's beam at a 240-degree bearing, slow traveling parallel in the same direction as the vessel and heading north. At 21:40 UTC, another dolphin was observed fast traveling parallel in the opposite direction of the vessel, bow-riding on a tanker. The animals were last detected at 21:45 UTC, following the same path. The vessel was in-transit to the survey site with both sources off and out of the water at the time of detection. No mitigation was required. VSA in effect.

Sighting #255: At 22:08 UTC, one adult bottlenose dolphin was observed bow riding on a drill ship 300 meters from the vessel's port bow at a bearing of 330 degrees, heading southwest and traveling parallel in the opposite as the vessel. The dolphin was observed bow riding on the drill ship's bow and jumping several times. At 22:11 UTC, the dolphin was last observed jumping in front of the drill ship's bow 500 meters from the vessel's port side at a bearing of 270 degrees, heading west and traveling parallel in the opposite direction as the vessel. The vessel was in-transit to the survey site and both sources were off and out of the water throughout the duration of the detection. No mitigation was necessary. VSA in effect.

Sighting #256: At 23:08 UTC, a pod of eight adult and four juvenile bottlenose dolphins was observed feeding at the back of a trawling vessel 350 meters from the vessel's port side at a bearing of 335 degrees, heading northeast and travelling parallel in the same direction as the vessel. The dolphins were observed feeding, slow travel and surfacing in intervals. At 23:18 UTC, the dolphins were last observed surfacing at the same parallel position to the vessel 250

meters away at a bearing of 255 degrees, heading northeast of the vessel. The vessel was in transit to the survey site and both sources were off and out of the water throughout the duration of the detection. No mitigation was necessary. VSA in effect.

Sighting #257: At 14:29 UTC, one adult and one juvenile bottlenose dolphins were observed surfacing 20 meters from the port bow at a bearing of 190 degrees, heading northeast and towards the vessel. The adult was not sighted again, and the juvenile began bow-riding and surfacing on the starboard side of the vessel for the duration of the detection. At 14:36 UTC, the dolphin was last observed surfacing five meters from the starboard bow at a bearing of 180 degrees, heading south and away from the vessel. The closest point of approach to the active source was 30 meters at 14:30 UTC. Both the Bubble gun and SBP were active at the time of the detection. No mitigation action was necessary.

Sighting #258: At 19:44 UTC, two adult and one juvenile bottlenose dolphins were observed surfacing 40 meters from the port bow at a bearing of 10 degrees, heading south and towards the ship. The dolphins were observed surfacing while fast traveling twice and were not observed again. At 19:45 UTC, the dolphins were last observed 15 meters from the port bow at a bearing of 15 degrees, heading south and towards the vessel. The closest point of approach to the active source was 45 meters at 19:45 UTC. Both the Bubble gun and SBP were active at the time of the detection. No mitigation action was necessary.

Sighting #259: At 13:37 UTC, two adult and one juvenile bottlenose dolphins were observed ten meters from the starboard bow at a bearing of 130 degrees and a southwest heading towards the vessel. The animals were observed surfacing once, then diving. Last detection was at 13:38 UTC. The closest point of approach to the active source was 50 meters at 13:37 UTC. Both the Bubble gun and SBP were active at the time of the detection. No mitigation was required. Potential exposure was noted.

Sighting #260: At 15:12 UTC, two adult bottlenose dolphins were observed surfacing 40 meters from the port stern at a bearing of 350 degrees, heading northeast and away from the vessel. The dolphins were observed surfacing four times and were not sighted again. At 15:14 UTC, the dolphins were last observed surfacing 15 meters from the vessel's port beam at a bearing of 25 degrees, heading southeast and parallel in the same direction as the vessel. The closest point of approach to the inactive source was 10 meters at 15:13 UTC. Both the Bubble gun and SBP were inactive, but still in the water at the time of the detection. The gear was being recovered at the time of detection. No mitigation was required.

Sighting #261: At 18:46 UTC, three adult bottlenose dolphins were observed surfacing 20 meters from the vessel's starboard bow at a bearing of 300 degrees, heading southeast and traveling towards the vessel. The pod was observed swimming to the bow and began bow-riding for the duration of the detection. In total, there were six adults and two juveniles observed bow-riding. At 18:57 UTC, the pod was last observed diving two meters from the vessel's bow at a bearing of 222 degrees, heading southwest and traveling parallel in the same direction as the vessel. Both the Bubble gun and SBP were inactive and out of the water at the time of the detection. The vessel was in-transit to Galveston. No mitigation was required. VSA in effect.

Sighting #262: At 19:16 UTC, three juvenile bottlenose dolphins were observed behaving in an acrobatic behavior, jumping, and fast traveling at 330 degrees on the port side of the vessel, heading northeast at a 100-meter distance to the vessel. At 19:17 UTC, the pod was last observed jumping at a bearing of 300 degrees, heading north and parallel to the vessel at a 75-meter distance. Both the Bubble gun and SBP were inactive and out of the water at the time of detection. The vessel was in-transit to Galveston. No mitigation was required. VSA in effect.

Sighting #263: At 20:20 UTC, two adult and one juvenile bottlenose dolphins were observed surfacing 20 meters from the vessel's port bow at a bearing of 210 degrees, heading north and traveling towards the vessel. The dolphins were observed swimming towards the bow on the port side of the vessel and diving underneath the vessel. At 20:30 UTC, the dolphins were last observed diving two meters under the vessel, heading north at a bearing of 330 degrees. Both the bubble gun and SBP were off and out of the water at the time of the detection. The vessel was in transit to Galveston. No mitigation was required. VSA in effect.

Sighting #264: At 20:59 UTC, one adult bottlenose dolphin was observed 10 meters from the port's bow at a 185-degree bearing, surfacing parallel in the same direction as the vessel and heading south. At 21:00 UTC, another two dolphins were observed bow-riding the vessel. The animals were last detected at 21:04 UTC in front of the bow and

diving. The vessel was in-transit to Gulf Copper Dry Dock with both sources off and out of the water at the time of detection. No mitigation was required. VSA in effect.

Sighting #265: At 21:20 UTC, two adult bottlenose dolphins were observed at a 210-bearing, 50 meters from the starboard bow as the vessel was turning into the docks. The animals were observed feeding adjacent to neighboring docks, swimming in various directions in the same area. At 21:22 UTC, another two dolphins were observed at a 90-degree bearing, bow-riding on a passing tourist vessel and heading north. The detection ended upon observer shift completion upon tying off at the docks at 21:26 UTC, but the behavior was noted to have continued past the end of the detection. No mitigation was required.

Please refer to **Table 3,4,5,&6** as well as **Appendix 2** for further details on visual sightings.

Table 3 Detection records for Protected Species visually detected during the survey

Species	Total visual Detections	Total number of Animals
<i>Tursiops truncatus</i>	255	1092
Unidentified Dolphin	1	2

Table 4 Detection summary of dolphins detected during the survey

Dolphins	Bottlenose dolphins	Unidentified dolphins
Number of Detections	255	1
Best Estimate (Total) of Individuals Detected	1092	2
Range of Group Size	1-20	2-2
Average Group Size	4	2
Average Distance at first detection	163 meters	700 meters
Detection rate	.4033	0.00158

Species	Source Active		Reduced Volume Source		Source Inactive		Source not Deployed	
	Detections	Average CPA	Detections	Average CPA	Detections	Average CPA	Detections	Average CPA
<i>Tursiops truncatus</i> Bottlenose dolphin	158	119	19	129	56	74.196	32	67.34
Unidentified dolphin	1	700	0	N/A	0	N/A	0	N/A

Table 5 Average CPA of Protected Species to Seismic source active, inactive and not deployed

Figure 9 Visual Sighting Data

MMO sighting	Date	Time (UTC)	Position	Species	Number	Presence of calves	Distance to source (m)	Source	Mitigation
1	Tuesday, February 6, 2024	19:10	29°25.16'N 94°21.49'W	<i>Tursiops truncatus</i>	3	No	250	SBP	None
2	Tuesday, February 6, 2024	19:48	29°23.50'N 94°21.16'W	<i>Tursiops truncatus</i>	4	No	10	SBP/BG	None
3	Thursday, February 8, 2024	13:56	29°22.40'N 94°17.39'W	<i>Tursiops truncatus</i>	2	No	N/A	None	None
4	Thursday, February 8, 2024	15:43	29°22.74'N 94°19.25'W	<i>Tursiops truncatus</i>	4	No	N/A	None	None
5	Thursday, February 8, 2024	17:30	29°26.32'N 94°24.22'W	<i>Tursiops truncatus</i>	1	No	N/A	None	None
6	Thursday, February 8, 2024	18:56	29°28.68'N 94°26.57'W	<i>Tursiops truncatus</i>	3	No	N/A	None	None
7	Thursday, February 8, 2024	22:00	29°25.57'N 94°26.98'W	<i>Tursiops truncatus</i>	6	No	N/A	None	None
8	Thursday, February 8, 2024	23:08	29°28.13'N 94°28.80'W	<i>Tursiops truncatus</i>	2	No	N/A	None	None
9	Saturday, February 10, 2024	21:53	29°19.21'N 94°46.90'W	<i>Tursiops truncatus</i>	6	No	N/A	None	None
10	Saturday, February 10, 2024	23:39	29°23.55'N 94°33.04'W	<i>Tursiops truncatus</i>	1	No	N/A	None	None
11	Sunday, February 11, 2024	16:30	29°22.13'N 94°24.42'W	<i>Tursiops truncatus</i>	1	No	100	SBP/BG	None
12	Sunday, February 11, 2024	16:56	29°21.44'N 94°23.00'W	<i>Tursiops truncatus</i>	5	No	N/A	None	None
13	Sunday, February 11, 2024	17:48	29°20.21'N 94°24.57'W	<i>Tursiops truncatus</i>	14	No	N/A	None	None
14	Sunday, February 11, 2024	19:22	29°22.71'N 94°26.75'W	<i>Tursiops truncatus</i>	5	No	N/A	None	None
15	Tuesday, February 13, 2024	13:40	29°22.74'N 94°19.42'W	<i>Tursiops truncatus</i>	5	No	50	SBP/BG	None
16	Tuesday, February 13, 2024	13:58	29°22.34'N 94°20.55'W	<i>Tursiops truncatus</i>	6	No	50	SBP/BG	None
17	Tuesday, February 13, 2024	15:45	29°23.80'N 94°19.75'W	<i>Tursiops truncatus</i>	2	No	20	SBP/BG	None
18	Tuesday, February 13, 2024	18:46	29°21.99'N 94°21.31'W	<i>Tursiops truncatus</i>	2	No	90	SBP/BG	None
19	Tuesday, February 13, 2024	21:22	29°24.23'N 94°15.47'W	<i>Tursiops truncatus</i>	4	No	100	SBP/BG	None
20	Wednesday, February 14, 2024	13:29	29°24.12'N 94°18.08'W	<i>Tursiops truncatus</i>	3	No	80	SBP/BG	None
21	Wednesday, February 14, 2024	14:33	29°23.63'N 94°16.04'W	<i>Tursiops truncatus</i>	2	No	80	SBP/BG	None
22	Wednesday, February 14, 2024	15:06	29°22.71'N 94°18.38'W	<i>Tursiops truncatus</i>	1	No	90	SBP/BG	None
23	Wednesday, February 14, 2024	17:06	29°22.98'N 94°21.04'W	<i>Tursiops truncatus</i>	2	No	80	SBP/BG	None
24	Wednesday, February 14, 2024	17:48	29°23.98'N 94°18.29'W	<i>Tursiops truncatus</i>	1	No	50	SBP/BG	None
25	Wednesday, February 14, 2024	18:46	29°23.76'N 94°15.57'W	<i>Tursiops truncatus</i>	2	No	50	SBP/BG	None

26	Wednesday, February 14, 2024	20:04	29°22.00'N 94°20.33'W	<i>Tursiops truncatus</i>	3	No	20	SBP/BG	None
27	Wednesday, February 14, 2024	22:48	29°24.61'N 94°15.80'W	<i>Tursiops truncatus</i>	4	No	100	SBP/BG	None
28	Thursday, February 15, 2024	21:15	29°20.37'N 94°45.74'W	<i>Tursiops truncatus</i>	10	No	N/A	None	None
29	Thursday, February 15, 2024	23:45	29°22.78'N 94°25.99'W	<i>Tursiops truncatus</i>	3	No	N/A	None	None
30	Friday, February 16, 2024	14:20	29°22.07'N 94°19.36'W	Unidentified Dolphin	3	No	700	SBP/BG	None
31	Friday, February 16, 2024	14:42	29°21.56'N 94°20.76'W	<i>Tursiops truncatus</i>	3	No	20	SBP/BG	None
32	Friday, February 16, 2024	15:32	29°22.10'N 94°22.47'W	<i>Tursiops truncatus</i>	2	No	40	SBP/BG	None
33	Friday, February 16, 2024	16:42	29°23.85'N 94°17.67'W	<i>Tursiops truncatus</i>	4	No	10	SBP/BG	None
34	Friday, February 16, 2024	17:36	29°23.42'N 94°15.51'W	<i>Tursiops truncatus</i>	4	No	400	SBP/BG	None
35	Friday, February 16, 2024	19:02	29°21.44'N 94°20.90'W	<i>Tursiops truncatus</i>	5	No	60	SBP/BG	None
36	Friday, February 16, 2024	22:06	29°21.82'N 94°19.73'W	<i>Tursiops truncatus</i>	4	No	10	SBP/BG	None
37	Saturday, February 17, 2024	16:15	29°19.02'N 94°47.16'W	<i>Tursiops truncatus</i>	5	No	N/A	None	None
38	Sunday, February 18, 2024	13:31	29°19.76'N 94°46.60'W	<i>Tursiops truncatus</i>	7	No	N/A	None	None
39	Sunday, February 18, 2024	14:10	29°20.38'N 94°41.85'W	<i>Tursiops truncatus</i>	4	No	N/A	None	None
40	Sunday, February 18, 2024	17:40	29°20.25'N 94°17.42'W	<i>Tursiops truncatus</i>	5	No	N/A	None	None
41	Sunday, February 18, 2024	20:26	29°19.17'N 94°18.77'W	<i>Tursiops truncatus</i>	3	No	300	SBP/BG	None
42	Monday, February 19, 2024	12:26	29°31.72'N 94°19.23'W	<i>Tursiops truncatus</i>	2	No	50	SBP/BG	None
43	Monday, February 19, 2024	18:38	29°31.94'N 94°20.17'W	<i>Tursiops truncatus</i>	7	No	100	SBP/BG	None
44	Tuesday, February 20, 2024	13:50	29°31.96'N 94°19.09'W	<i>Tursiops truncatus</i>	2	No	20	SBP/BG	None
45	Tuesday, February 20, 2024	16:08	29°33.09'N 94°17.13'W	<i>Tursiops truncatus</i>	2	No	50	SBP/BG	None
46	Tuesday, February 20, 2024	18:26	29°34.06'N 94°14.70'W	<i>Tursiops truncatus</i>	8	No	50	SBP/BG	None
47	Tuesday, February 20, 2024	19:40	29°32.00'N 94°19.21'W	<i>Tursiops truncatus</i>	2	No	110	SBP/BG	None
48	Tuesday, February 20, 2024	21:42	29°33.36'N 94°16.45'W	<i>Tursiops truncatus</i>	3	No	50	SBP/BG	None
49	Tuesday, February 20, 2024	22:12	29°32.60'N 94°18.53'W	<i>Tursiops truncatus</i>	8	No	100	SBP/BG	None
50	Wednesday, February 21, 2024	15:27	29°32.74'N 94°18.29'W	<i>Tursiops truncatus</i>	4	No	100	SBP/BG	None
51	Wednesday, February 21, 2024	15:59	29°32.40'N 94°19.67'W	<i>Tursiops truncatus</i>	3	No	1500	SBP/BG	None
52	Wednesday, February 21, 2024	19:39	29°32.52'N 94°19.79'W	<i>Tursiops truncatus</i>	3	No	150	SBP/BG	None
53	Wednesday, February 21, 2024	20:19	29°33.48'N 94°17.14'W	<i>Tursiops truncatus</i>	10	No	60	SBP/BG	None
54	Wednesday, February 21, 2024	21:51	29°32.97'N 94°17.68'W	<i>Tursiops truncatus</i>	10	No	50	SBP/BG	None
55	Wednesday, February 21, 2024	22:35	29°31.93'N 94°20.29'W	<i>Tursiops truncatus</i>	2	No	N/A	None	None
56	Thursday, February 22, 2024	12:32	29°30.18'N 94°20.47'W	<i>Tursiops truncatus</i>	2	No	N/A	None	None
57	Thursday, February 22, 2024	13:11	29°29.04'N 94°21.10'W	<i>Tursiops truncatus</i>	3	No	N/A	None	None

58	Thursday, February 22, 2024	14:01	29°26.82'N 94°21.91'W	<i>Tursiops truncatus</i>	1	No	N/A	None	None
59	Thursday, February 22, 2024	14:47	29°29.95'N 94°21.33'W	<i>Tursiops truncatus</i>	1	No	N/A	None	None
60	Thursday, February 22, 2024	15:50	29°28.67'N 94°20.72'W	<i>Tursiops truncatus</i>	3	No	N/A	None	None
61	Thursday, February 22, 2024	16:40	29°28.20'N 94°20.62'W	<i>Tursiops truncatus</i>	6	No	N/A	None	None
62	Thursday, February 22, 2024	18:43	29°31.09'N 94°21.19'W	<i>Tursiops truncatus</i>	2	No	N/A	None	None
63	Thursday, February 22, 2024	22:58	29°27.05'N 94°22.80'W	<i>Tursiops truncatus</i>	3	No	N/A	None	None
64	Friday, February 23, 2024	13:17	29°30.07'N 94°18.91'W	<i>Tursiops truncatus</i>	2	No	50	SBP	None
65	Friday, February 23, 2024	15:45	29°34.02'N 94°14.78'W	<i>Tursiops truncatus</i>	4	No	125	SBP/BG	None
66	Friday, February 23, 2024	20:33	29°32.69'N 94°18.51'W	<i>Tursiops truncatus</i>	1	No	120	SBP/BG	None
67	Friday, February 23, 2024	21:21	29°33.02'N 94°18.50'W	<i>Tursiops truncatus</i>	3	No	150	SBP/BG	None
68	Friday, February 23, 2024	22:24	29°24.19'N 94°14.55'W	<i>Tursiops truncatus</i>	3	No	150	SBP/BG	None
69	Saturday, February 24, 2024	16:57	29°33.23'N 94°18.03'W	<i>Tursiops truncatus</i>	3	No	50	SBP/BG	None
70	Saturday, February 24, 2024	18:57	29°32.76'N 94°18.47'W	<i>Tursiops truncatus</i>	3	No	25	SBP/BG	None
71	Saturday, February 24, 2024	19:48	29°33.28'N 94°17.92'W	<i>Tursiops truncatus</i>	3	No	140	SBP/BG	None
72	Saturday, February 24, 2024	20:23	29°34.24'N 94°15.28'W	<i>Tursiops truncatus</i>	3	No	50	SBP/BG	None
73	Saturday, February 24, 2024	21:25	29°33.12'N 94°17.50'W	<i>Tursiops truncatus</i>	4	No	100	SBP/BG	None
74	Saturday, February 24, 2024	22:22	29°33.02'N 94°18.67'W	<i>Tursiops truncatus</i>	4	No	100	SBP/BG	None
75	Saturday, February 24, 2024	22:58	29°33.97'N 94°16.05'W	<i>Tursiops truncatus</i>	5	No	100	SBP/BG	None
76	Sunday, February 25, 2024	00:06	29°33.64'N 94°16.07'W	<i>Tursiops truncatus</i>	1	No	80	SBP/BG	None
77	Sunday, February 25, 2024	13:27	29°33.23'N 94°17.25'W	<i>Tursiops truncatus</i>	2	No	2	SBP/BG	None
78	Sunday, February 25, 2024	14:29	29°33.01'N 94°18.81'W	<i>Tursiops truncatus</i>	2	No	2	SBP/BG	None
79	Sunday, February 25, 2024	15:16	29°34.21'N 94°15.52'W	<i>Tursiops truncatus</i>	2	No	60	SBP/BG	None
80	Sunday, February 25, 2024	16:35	29°33.68'N 94°16.03'W	<i>Tursiops truncatus</i>	3	No	100	SBP/BG	None
81	Sunday, February 25, 2024	17:23	29°32.19'N 94°19.58'W	<i>Tursiops truncatus</i>	1	No	50	SBP/BG	None
82	Sunday, February 25, 2024	18:28	29°34.20'N 94°15.54'W	<i>Tursiops truncatus</i>	3	No	175	SBP/BG	None
83	Sunday, February 25, 2024	22:02	29°32.80'N 94°19.42'W	<i>Tursiops truncatus</i>	2	No	100	SBP/BG	None
84	Sunday, February 25, 2024	22:58	29°34.19'N 94°15.57'W	<i>Tursiops truncatus</i>	1	No	75	SBP/BG	None
85	Monday, February 26, 2024	0:20	29°33.49'N 94°16.61'W	<i>Tursiops truncatus</i>	4	No	150	SBP/BG	None
86	Monday, February 26, 2024	13:38	29°33.60'N 94°16.39'W	<i>Tursiops truncatus</i>	6	No	50	SBP/BG	None
87	Monday, February 26, 2024	15:15	29°33.49'N 94°17.62'W	<i>Tursiops truncatus</i>	4	No	60	SBP/BG	None
88	Monday, February 26, 2024	18:22	29°33.06'N 94°18.81'W	<i>Tursiops truncatus</i>	6	No	50	SBP/BG	None
89	Monday, February 26, 2024	19:38	29°33.37'N 94°15.09'W	<i>Tursiops truncatus</i>	3	No	75	SBP/BG	None

90	Monday, February 26, 2024	20:35	29°33.29'N 94°17.29'W	<i>Tursiops truncatus</i>	4	Yes	40	SBP/BG	None
91	Monday, February 26, 2024	23:02	29°33.63'N 94°15.45'W	<i>Tursiops truncatus</i>	3	No	50	SBP/BG	None
92	Tuesday, February 27, 2024	13:42	29°31.89'N 94°15.61'W	<i>Tursiops truncatus</i>	3	No	80	SBP	None
93	Tuesday, February 27, 2024	19:44	29°33.18'N 94°17.79'W	<i>Tursiops truncatus</i>	4	No	N/A	None	None
94	Tuesday, February 27, 2024	20:25	29°31.18'N 94°19.21'W	<i>Tursiops truncatus</i>	10	No	N/A	None	None
95	Tuesday, February 27, 2024	22:53	29°31.28'N 94°20.43'W	<i>Tursiops truncatus</i>	16	No	N/A	None	None
96	Wednesday, February 28, 2024	15:09	29°19.39'N 94°46.88'W	<i>Tursiops truncatus</i>	9	No	N/A	None	None
97	Friday, March 1, 2024	14:02	29°31.35'N 94°19.20'W	<i>Tursiops truncatus</i>	2	No	N/A	None	None
98	Friday, March 1, 2024	18:22	29°33.08'N 94°18.79'W	<i>Tursiops truncatus</i>	1	No	400	SBP/BG	None
99	Friday, March 1, 2024	21:34	29°33.16'N 94°16.90'W	<i>Tursiops truncatus</i>	3	No	1000	SBP/BG	None
100	Friday, March 1, 2024	22:22	29°31.98'N 94°20.17'W	<i>Tursiops truncatus</i>	1	No	120	SBP/BG	None
101	Saturday, March 2, 2024	13:06	29°32.92'N 94°14.55'W	<i>Tursiops truncatus</i>	3	No	100	SBP/BG	None
102	Saturday, March 2, 2024	14:29	29°32.92'N 94°15.50'W	<i>Tursiops truncatus</i>	6	No	100	SBP/BG	None
103	Saturday, March 2, 2024	16:11	29°32.73'N 94°15.59'W	<i>Tursiops truncatus</i>	1	No	70	SBP/BG	None
104	Saturday, March 2, 2024	18:08	29°31.80'N 94°19.62'W	<i>Tursiops truncatus</i>	5	No	125	SBP/BG	None
105	Saturday, March 2, 2024	19:03	29°33.48'N 94°17.20'W	<i>Tursiops truncatus</i>	1	No	425	SBP//BG	None
106	Saturday, March 2, 2024	19:58	29°33.19'N 94°16.90'W	<i>Tursiops truncatus</i>	4	No	250	SBP/BG	None
107	Saturday, March 2, 2024	20:32	29°31.50'N 94°19.10'W	<i>Tursiops truncatus</i>	2	No	700	SBP/BG	None
108	Saturday, March 2, 2024	22:03	29°32.35'N 94°14.83'W	<i>Tursiops truncatus</i>	1	No	150	SBP/BG	None
109	Saturday, March 2, 2024	22:34	29°33.50'N 94°13.07'W	<i>Tursiops truncatus</i>	4	No	150	SBP/BG	None
110	Sunday, March 3, 2024	0:09	29°34.16'N 94°15.30'W	<i>Tursiops truncatus</i>	1	No	50	SBP/BG	None
111	Sunday, March 3, 2024	16:51	29°38.65'N 94°05.49'W	<i>Tursiops truncatus</i>	2	No	85	SBP/BG	None
112	Tuesday, 5 March 2024	14:41	29°35.85'N 94°08.53'W	<i>Tursiops truncatus</i>	1	No	75	SBP/BG	None
113	Tuesday, 5 March 2024	17:21	29°36.47'N 94°09.78'W	<i>Tursiops truncatus</i>	2	No	50	SBP/BG	None
114	Tuesday, 5 March 2024	18:19	29°38.40'N 94°06.34'W	<i>Tursiops truncatus</i>	3	No	40	SBP/BG	None
115	Tuesday, 5 March 2024	19:57	29°38.68'N 94°03.40'W	<i>Tursiops truncatus</i>	1	No	150	SBP/BG	None
116	Tuesday, 5 March 2024	20:25	29°37.97'N 94°05.33'W	<i>Tursiops truncatus</i>	2	No	80	SBP/BG	None
117	Tuesday, 5 March 2024	21:22	29°37.96'N 94°07.59'W	<i>Tursiops truncatus</i>	2	No	150	SBP/BG	None
118	Wednesday, 6 March 2024	0:16	29°37.13'N 94°07.73'W	<i>Tursiops truncatus</i>	1	No	150	SBP/BG	None
119	Wednesday, 6 March 2024	15:12	29°39.23'N 94°02.33'W	<i>Tursiops truncatus</i>	7	No	100	SBP/BG	None
120	Wednesday, 6 March 2024	16:26	29°37.55'N 94°06.19'W	<i>Tursiops truncatus</i>	3	No	40	SBP/BG	None
121	Wednesday, 6 March 2024	18:45	29°39.07'N 94°01.88'W	<i>Tursiops truncatus</i>	3	No	50	SBP/BG	None

122	Wednesday, 6 March 2024	19:23	29°38.49'N 94°03.75'W	<i>Tursiops truncatus</i>	2	No	120	SBP/BG	None
123	Wednesday, 6 March 2024	21:33	29°39.26'N 94°03.97'W	<i>Tursiops truncatus</i>	10	No	100	SBP/BG	None
124	Thursday, 7 March 2024	15:14	29°38.63'N 94°03.20'W	<i>Tursiops truncatus</i>	2	No	120	SBP/BG	None
125	Thursday, 7 March 2024	15:44	29°37.93'N 94°05.22'W	<i>Tursiops truncatus</i>	3	No	325	SBP/BG	None
126	Thursday, 7 March 2024	23:03	29°36.28'N 94°05.59'W	<i>Tursiops truncatus</i>	1	No	225	SBP	None
127	Friday, 8 March 2024	23:40	29°36.62'N 94°06.41'W	<i>Tursiops truncatus</i>	3	No	N/A	None	None
128	Saturday, 9 March 2024	22:32	29°30.69'N 94°03.97'W	<i>Tursiops truncatus</i>	2	No	N/A	None	None
129	Sunday, 10 March 2024	19:10	29°38.98'N 94°04.19'W	<i>Tursiops truncatus</i>	7	No	N/A	SBP/BG	None
130	Monday, 11 March 2024	15:33	29°39.22'N 94°02.63'W	<i>Tursiops truncatus</i>	3	No	100	SBP/BG	None
131	Monday, 11 March 2024	18:49	29°39.26'N 94°02.47'W	<i>Tursiops truncatus</i>	1	No	50	SBP/BG	None
132	Monday, 11 March 2024	22:44	29°38.26'N 94°03.96'W	<i>Tursiops truncatus</i>	10	No	300	SBP/BG	None
133	Monday, 11 March 2024	23:45	29°37.27'N 94°07.82'W	<i>Tursiops truncatus</i>	3	No	125	SBP/BG	None
134	Tuesday, 12 March 2024	13:02	29°38.26'N 94°07.10'W	<i>Tursiops truncatus</i>	4	No	80	SBP/BG	None
135	Tuesday, 12 March 2024	14:56	29°37.98'N 94°04.63'W	<i>Tursiops truncatus</i>	1	No	150	SBP/BG	None
136	Tuesday, 12 March 2024	17:21	29°39.27'N 94°02.43'W	<i>Tursiops truncatus</i>	2	No	100	SBP/BG	None
137	Tuesday, 12 March 2024	18:03	29°38.21'N 94°03.98'W	<i>Tursiops truncatus</i>	4	No	150	SBP/BG	None
138	Tuesday, 12 March 2024	23:35	29°38.16'N 94°03.38'W	<i>Tursiops truncatus</i>	1	No	30	SBP	None
139	Wednesday, 13 March 2024	22:10	29°37.02'N 94°07.55'W	<i>Tursiops truncatus</i>	3	No	100	SBP/BG	None
140	Wednesday, 13 March 2024	22:35	29°37.91'N 94°06.89'W	<i>Tursiops truncatus</i>	3	No	50	SBP/BG	None
141	Saturday, 16 March 2024	16:11	29°18.64'N 94°47.73'W	<i>Tursiops truncatus</i>	6	No	N/A	None	None
142	Saturday, 16 March 2024	17:22	29°20.51'N 94°40.80'W	<i>Tursiops truncatus</i>	1	No	N/A	None	None
143	Saturday, 16 March 2024	18:05	29°22.99'N 94°35.51'W	<i>Tursiops truncatus</i>	6	No	N/A	None	None
144	Saturday, 16 March 2024	21:18	29°33.18'N 94°13.38'W	<i>Tursiops truncatus</i>	1	No	N/A	None	None
145	Saturday, 16 March 2024	21:39	29°33.84'N 94°12.68'W	<i>Tursiops truncatus</i>	3	Yes	N/A	None	None
146	Sunday, March 17, 2024	14:02	29°35.35'N 94°03.09'W	<i>Tursiops truncatus</i>	1	No	130 m	SBP	None
147	Sunday, March 17, 2024	17:24	29°38.89'N 94°06.93'W	<i>Tursiops truncatus</i>	1	No	65 m	SBP/ BG	None
148	Sunday, March 17, 2024	19:20	29°38.24'N 94°03.69'W	<i>Tursiops truncatus</i>	6	No	150 m	SBP/ BG	None
149	Sunday, March 17, 2024	21:14	29°38.62'N 94°04.90'W	<i>Tursiops truncatus</i>	10	No	730 m	SBP/ BG	None
150	Sunday, March 17, 2024	22:03	29°37.82'N 94°04.86'W	<i>Tursiops truncatus</i>	15	Yes	350 m	SBP/ BG	None
151	Monday, March 18, 2024	15:53	29°35.86'N 94°03.31'W	<i>Tursiops truncatus</i>	6	No	N/A	None	None
152	Monday, March 18, 2024	17:02	29°35.64'N 94°03.68'W	<i>Tursiops truncatus</i>	18	Yes	N/A	None	None
153	Monday, March 18, 2024	20:30	29°36.74'N 94°03.84'W	<i>Tursiops truncatus</i>	2	No	N/A	None	None

154	Monday, March 18, 2024	21:46	29°35.37'N 94°05.48'W	<i>Tursiops truncatus</i>	5	No	N/A	None	None
155	Tuesday, March 19, 2024	12:56	29°38.22'N 94°03.67'W	<i>Tursiops truncatus</i>	2	No	150 m	SBP/BG	None
156	Tuesday, March 19, 2024	13:25	29°37.26'N 94°06.29'W	<i>Tursiops truncatus</i>	2	No	60 m	SBP/BG	None
157	Tuesday, March 19, 2024	14:33	29°38.24'N 94°05.89'W	<i>Tursiops truncatus</i>	2	No	50 m	SBP/ BG	None
158	Tuesday, March 19, 2024	15:11	29°39.07'N 94°03.55'W	<i>Tursiops truncatus</i>	2	No	100 m	SBP/ BG	None
159	Tuesday, March 19, 2024	16:00	29°37.99'N 94°04.26'W	<i>Tursiops truncatus</i>	1	No	50 m	SBP/ BG	None
160	Tuesday, March 19, 2024	17:05	29°38.24'N 94°05.89'W	<i>Tursiops truncatus</i>	3	No	130 m	SBP	None
161	Wednesday, March 20, 2024	18:25	29°36.84'N 94°07.44'W	<i>Tursiops truncatus</i>	1	No	70 m	SBP/ BG	None
162	Wednesday, March 20, 2024	20:55	29°37.33'N 94°05.91'W	<i>Tursiops truncatus</i>	5	No	50 m	SBP/ BG	None
163	Wednesday, March 20, 2024	22:34	29°38.04'N 94°03.96'W	<i>Tursiops truncatus</i>	1	No	100 m	SBP/ BG	None
164	Wednesday, March 20, 2024	23:50	29°38.13'N 94°05.95'W	<i>Tursiops truncatus</i>	2	No	150 m	SBP/ BG	None
165	Thursday, March 21, 2024	13:05	29°38.33'N 93°49.50'W	<i>Tursiops truncatus</i>	1	No	N/A	None	None
166	Thursday, March 21, 2024	23:21	29°43.21'N 93°51.52'W	<i>Tursiops truncatus</i>	2	No	N/A	None	None
167	Friday, March 22, 2024	12:25	29°39.51'N 93°49.77'W	<i>Tursiops truncatus</i>	2	No	N/A	None	None
168	Friday, March 22, 2024	14:14	29°35.61'N 93°59.89'W	<i>Tursiops truncatus</i>	2	No	N/A	None	None
169	Friday, March 22, 2024	15:37	29°38.95'N 93°02.96'W	<i>Tursiops truncatus</i>	2	No	150	SBP/ BG	None
170	Friday, March 22, 2024	18:46	29°38.88'N 94°03.84'W	<i>Tursiops truncatus</i>	9	No	1500	SBP/ BG	None
171	Sunday, March 24, 2024	13:02	29°43.96'N 93°52.07'W	<i>Tursiops truncatus</i>	2	No	N/A	None	None
172	Tuesday, March 26, 2024	15:54	29°38.52'N 94°03.16'W	<i>Tursiops truncatus</i>	3	No	70	SBP	None
173	Wednesday, March 27, 2024	13:38	29°37.50'N 94°07.78'W	<i>Tursiops truncatus</i>	2	No	35	SBP/ BG	None
174	Wednesday, March 27, 2024	14:04	29°36.89'N 94°06.66'W	<i>Tursiops truncatus</i>	2	No	50	SBP/ BG	None
175	Thursday, March 28, 2024	20:44	29°20.36'N 94°46.22'W	<i>Tursiops truncatus</i>	2	No	N/A	None	None
176	Thursday, March 28, 2024	21:17	29°20.14'N 94°41.04'W	<i>Tursiops truncatus</i>	1	No	N/A	None	None
177	Thursday, March 28, 2024	22:16	29°24.85'N 94°29.70'W	<i>Tursiops truncatus</i>	7	No	N/A	None	None
178	Thursday, March 28, 2024	23:16	29°26.99'N 94°20.85'W	<i>Tursiops truncatus</i>	3	No	N/A	None	None
179	Friday, March 29, 2024	17:54	29°33.36'N 94°14.13'W	<i>Tursiops truncatus</i>	5	No	N/A	None	None
180	Friday, March 29, 2024	18:56	29°34.97'N 94°10.06'W	<i>Tursiops truncatus</i>	3	No	N/A	None	None
181	Friday, March 29, 2024	19:44	29°34.97'N 94°10.06'W	<i>Tursiops truncatus</i>	3	No	N/A	None	None
182	Friday, March 29, 2024	22:26	29°34.04'N 94°04.25'W	<i>Tursiops truncatus</i>	2	No	N/A	None	None
183	Friday, March 29, 2024	23:14	29°34.56'N 94°04.01'W	<i>Tursiops truncatus</i>	1	No	N/A	None	None
184	Friday, March 29, 2024	23:53	29°36.66'N 94°05.33'W	<i>Tursiops truncatus</i>	4	No	N/A	None	None
185	Saturday, March 30, 2024	01:00	29°33.16'N 94°05.01'W	<i>Tursiops truncatus</i>	15	No	N/A	None	None

186	Saturday, March 30, 2024	11:45	29°35.12'N 94°06.40'W	<i>Tursiops truncatus</i>	3	Yes	N/A	None	None
187	Saturday, March 30, 2024	13:33	29°37.87'N 94°03.77'W	<i>Tursiops truncatus</i>	1	No	N/A	None	None
188	Sunday, March 31, 2024	00:33	29°36.69'N 94°07.28'W	<i>Tursiops truncatus</i>	1	No	30	SPB/BG	None
189	Sunday, March 31, 2024	12:27	29°36.75'N 94°07.67'W	<i>Tursiops truncatus</i>	1	No	35	SPB/BG	None
190	Sunday, March 31, 2024	15:42	29°36.69'N 94°06.92'W	<i>Tursiops truncatus</i>	5	Yes	15	SPB/BG	None
191	Sunday, March 31, 2024	17:15	29°37.00'N 94°04.30'W	<i>Tursiops truncatus</i>	3	No	20	SPB/BG	None
192	Sunday, March 31, 2024	19:01	29°36.69'N 94°06.92'W	<i>Tursiops truncatus</i>	7	Yes	N/A	None	None
193	Sunday, March 31, 2024	19:45	29°36.129'N 94°06.34'W	<i>Tursiops truncatus</i>	3	No	N/A	None	None
194	Sunday, March 31, 2024	22:15	29°35.23'N 94°09.05'W	<i>Tursiops truncatus</i>	2	No	N/A	None	None
195	Monday, April 1, 2024	12:30	29°18.85'N 94°47.45'W	<i>Tursiops truncatus</i>	3	No	N/A	None	None
196	Tuesday, April 2, 2024	00:01	29°20.45'N 94°45.12'W	<i>Tursiops truncatus</i>	22	Yes	N/A	None	None
197	Tuesday, April 2, 2024	00:45	29°20.59'N 94°41.38'W	<i>Tursiops truncatus</i>	2	No	N/A	None	None
198	Tuesday, April 2, 2024	13:37	29°32.47'N 94°05.41'W	<i>Tursiops truncatus</i>	4	No	1	SBP	None
199	Tuesday, April 2, 2024	17:45	29°33.39'N 94°04.19'W	<i>Tursiops truncatus</i>	5	No	20	SBP	None
200	Tuesday, April 2, 2024	18:51	29°34.29'N 94°08.88'W	<i>Tursiops truncatus</i>	1	No	45	SBP	None
201	Tuesday, April 2, 2024	19:24	29°33.60'N 94°11.40'W	<i>Tursiops truncatus</i>	19	Yes	500	SBP	None
202	Tuesday, April 2, 2024	20:57	29°32.74'N 94°18.80'W	<i>Tursiops truncatus</i>	15	No	500	SBP	None
203	Tuesday, April 2, 2024	20:57	29°32.53'N 94°18.68'W	<i>Tursiops truncatus</i>	3	No	30	SBP	None
204	Tuesday, April 2, 2024	23:05	29°34.50'N 94°09.51'W	<i>Tursiops truncatus</i>	1	No	50	SBP	None
205	Tuesday, April 2, 2024	23:22	29°34.98'N 94°08.43'W	<i>Tursiops truncatus</i>	2	No	15	SBP	None
206	Tuesday, April 2, 2024	23:38	29°35.28'N 94°07.57'W	<i>Tursiops truncatus</i>	2	No	140	SBP	None
207	Tuesday, April 2, 2024	23:54	29°36.07'N 94°06.40'W	<i>Tursiops truncatus</i>	4	No	55	SBP	None
208	Wednesday, April 3, 2024	00:47	29°33.57'N 94°05.60'W	<i>Tursiops truncatus</i>	3	No	80	SBP	None
209	Wednesday, April 3, 2024	14:48	29°38.28'N 94°02.21'W	<i>Tursiops truncatus</i>	2	No	40	SBP/BG	None
210	Wednesday, April 3, 2024	18:03	29°38.92'N 94°01.94'W	<i>Tursiops truncatus</i>	6	Yes	600	SBP/BG	None
211	Wednesday, April 3, 2024	19:37	29°37.74'N 94°07.83'W	<i>Tursiops truncatus</i>	1	No	230	SBP/BG	None

212	Wednesday, April 3, 2024	22:44	29°37.05'N 94°07.32'W	<i>Tursiops truncatus</i>	1	No	30	SBP/BG	None
213	Wednesday, April 3, 2024	23:05	29°36.35'N 94°07.08'W	<i>Tursiops truncatus</i>	1	No	30	SBP/BG	None
214	Wednesday, April 3, 2024	23:20	29°37.07'N 94°05.79'W	<i>Tursiops truncatus</i>	20	Yes	300	SBP/BG	None
215	Wednesday, April 3, 2024	23:37	29°37.43'N 94°04.81'W	<i>Tursiops truncatus</i>	1	No	35	SBP/BG	None
216	Thursday, April 4, 2024	12:14	29°37.74'N 94°03.85'W	<i>Tursiops truncatus</i>	5	No	20	SBP/BG	None
217	Thursday, April 4, 2024	12:50	29°38.81'N 94°03.16'W	<i>Tursiops truncatus</i>	2	No	1000	SBP/BG	None
218	Thursday, April 4, 2024	14:40	29°37.19'N 94°05.37'W	<i>Tursiops truncatus</i>	3	No	210	SBP/BG	None
219	Thursday, April 4, 2024	15:34	29°38.57'N 94°02.41'W	<i>Tursiops truncatus</i>	1	No	70	SBP/BG	None
220	Thursday, April 4, 2024	15:38	29°38.58'N 94°03.17'W	<i>Tursiops truncatus</i>	2	No	15	SBP/BG	None
221	Thursday, April 4, 2024	17:34	29°38.71'N 94°05.93'W	<i>Tursiops truncatus</i>	5	No	500	SBP/BG	None
222	Thursday, April 4, 2024	18:43	29°37.71'N 94°05.11'W	<i>Tursiops truncatus</i>	5	No	10	SBP/BG	None
223	Thursday, April 4, 2024	21:00	29°38.82'N 94°03.37'W	<i>Tursiops truncatus</i>	2	No	30	SBP/BG	None
224	Thursday, April 4, 2024	21:44	29°37.24'N 94°06.24'W	<i>Tursiops truncatus</i>	15	No	10	SBP/BG	None
225	Thursday, April 4, 2024	23:35	29°38.52'N 94°03.64'W	<i>Tursiops truncatus</i>	11	No	25	SBP/BG	None
226	Friday, April 5, 2024	15:43	29°38.35'N 94°07.01'W	<i>Tursiops truncatus</i>	3	No	35	SBP/BG	None
227	Friday, April 5, 2024	16:38	29°37.25'N 94°06.32'W	<i>Tursiops truncatus</i>	5	No	300	SBP/BG	None
228	Friday, April 5, 2024	19:44	29°39.30'N 94°02.47'W	<i>Tursiops truncatus</i>	11	No	20	SBP/BG	None
229	Friday, April 5, 2024	22:56	29°39.18'N 94°03.27'W	<i>Tursiops truncatus</i>	20	No	40	SBP/BG	None
230	Friday, April 5, 2024	23:26	29°39.25'N 94°04.02'W	<i>Tursiops truncatus</i>	12	No	20	SBP/BG	None
231	Saturday, April 6, 2024	12:16	29°36.94'N 94°07.05'W	<i>Tursiops truncatus</i>	5	No	30	SBP/BG	None
232	Saturday, April 6, 2024	12:45	29°37.87'N 94°06.84'W	<i>Tursiops truncatus</i>	2	No	30	SBP/BG	None
233	Saturday, April 6, 2024	13:10	29°38.44'N 94°05.27'W	<i>Tursiops truncatus</i>	2	No	20	SBP/BG	None
234	Saturday, April 6, 2024	13:30	29°38.90'N 94°03.47'W	<i>Tursiops truncatus</i>	15	No	20	SBP/BG	None
235	Saturday, April 6, 2024	14:37	29°38.70'N 94°04.37'W	<i>Tursiops truncatus</i>	9	Yes	25	SBP/BG	None

236	Saturday, April 6, 2024	15:28	29°37.37'N 94°07.93'W	<i>Tursiops truncatus</i>	8	No	10	SBP/BG	None
237	Saturday, April 6, 2024	17:00	29°38.67'N 94°04.63'W	<i>Tursiops truncatus</i>	4	No	30	SBP/BG	None
238	Saturday, April 6, 2024	17:58	29°37.47'N 94°02.78'W	<i>Tursiops truncatus</i>	8	Yes	N/A	None	None
239	Saturday, April 6, 2024	21:00	29°35.26'N 93°59.17'W	<i>Tursiops truncatus</i>	12	Yes	N/A	None	None
240	Sunday, April 7, 2024	0:01	29°32.55'N 94°01.88'W	<i>Tursiops truncatus</i>	3	No	N/A	None	None
241	Sunday, April 7, 2024	12:20	29°31.93'N 94°03.39'W	<i>Tursiops truncatus</i>	6	Yes	N/A	None	None
242	Sunday, April 7, 2024	13:00	29°30.24'N 94°03.65'W	<i>Tursiops truncatus</i>	5	No	N/A	None	None
243	Sunday, April 7, 2024	14:29	29°32.72'N 94°04.20'W	<i>Tursiops truncatus</i>	2	No	30 m	SBP/BG	None
244	Sunday, April 7, 2024	18:10	29°37.80'N 94°04.25'W	<i>Tursiops truncatus</i>	4	Yes	40 m	SBP/BG	None
245	Sunday, April 7, 2024	18:41	29°37.95'N 94°02.70'W	<i>Tursiops truncatus</i>	1	No	30 m	SBP/ BG	None
246	Monday, April 8, 2024	12:57	29°29.61'N 94°20.79'W	<i>Tursiops truncatus</i>	9	Yes	N/A	None	None
247	Monday, April 8, 2024	15:10	29°20.57'N 94°40.17'W	<i>Tursiops truncatus</i>	7	No	N/A	None	None
248	Monday, April 8, 2024	16:20	29°18.92'N 94°47.81'W	<i>Tursiops truncatus</i>	5	No	N/A	None	None

PHOTOGRAPHS OF SIGHTINGS



Figure 8 - Bottlenose dolphin with Visual Detection #4 Photo Credit: Cameron Reynolds



Figure 9- Bottlenose dolphin with Visual Detection #61 Photo Credit: Cameron Reynolds



Figure 10 - Visual Detection #123, Bottlenose dolphin



Figure 11 - Visual Detection #152, Bottlenose dolphin



Figure 12 - Visual Detection #162, Bottlenose dolphin



Figure 13 - Visual Detection #177, Bottlenose dolphin



Figure 14 - Visual Detection #193, Bottlenose dolphin



Figure 15 - Visual Detection #196, Bottlenose dolphin



Figure 16 - Visual Detection #198, Bottlenose dolphin



Figure 17 - Visual Detection #199, Bottlenose dolphin



Figure 18 - Visual Detection #225, Bottlenose dolphin



Figure 19 - Visual Detection #238, Bottlenose dolphin



Figure 20 - Visual detection #240, Bottlenose dolphin



Figure 21 - Visual Detection #241, Bottlenose dolphin

14 August 2024

To Whom it May Concern:

To the best of my knowledge, raw data collected by the protected species observer (PSO) team deployed on the project between 17 October 2023 and 07 December 2023 accurately reflected protected species monitoring and mitigation efforts, as well as source operations.

Sincerely,

A handwritten signature in black ink that reads "Rebecca Snyder". The signature is written in a cursive style with a light blue rectangular highlight behind it.

Rebecca Snyder
Lead PSO, Fugro Brasilis

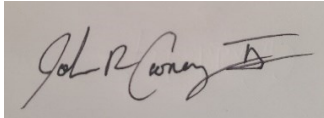
16- August 2024

To Whom it May Concern,

To the best of my knowledge the protected species observer data collected on the Go Seeker from 24, October 2024 to 12, November 2024 and again from 01, January to 14, February 2024 accurately reflected PSO monitoring and mitigation efforts, as well as the survey source actions. I was the lead PSO during these times.

Best Regards,

John Cooney

A handwritten signature in black ink on a light gray background. The signature is written in a cursive style and appears to read "John R. Cooney".