

ATTACHMENT B

PSO Data 2009 - March 2014: Dolphin Sightings

Provided by CGG based on MMO reports submitted to BOEM during this period representing approximately 23% of total vessel activity days in the GOM since 2009.¹

Species Identification		
% of Unidentified Dolphin	69%	In many reports, PSOs contribute sea state, distance, or the sun's glare as a key factor for not being able to identify species.
% of Identified Dolphin	31%	
PAM		
% of PAM Detections	60%	PAM detections accounted for over half of the total dolphin sightings/detection reports. However, only 3% of the acoustic detections made identified a specific dolphin species. The majority of this small percentage is due to the PSO visually confirming the acoustic detection.
Source Activity Comparison		
% of sightings and/or acoustic detections – source active	54%	The frequency of sightings and acoustic detections are proportional regardless of whether the source is active.
% of sightings and/or acoustic detections –source silent	46%	
Animal Behavior		
% of sightings when bow-riding was observed (active or silent)	12%	The data indicates source status (active or silent) had no impact on dolphin bow-riding. The number of dolphins observed when the source was silent was proportional to when the source was active.
Average Distance of Animal at Initial Sighting	560m	Average sighting distance between 500m and 800m.

PSO Data 2009 - March 2014: Turtle Sightings

Provided by CGG based on MMO reports submitted to BOEM during this period representing approximately 23% of total vessel activity days in the GOM since 2009.²

Total Sightings	335	335 sea turtles were observed overall.
Average Distance of Animal at Initial Sighting	42m	Analysis of turtle sightings indicates observations are typically within 100m.

¹ Estimated calculation based on level of activity from January 2009 to March 2014 from IHS SeismicBase Vessel Search Database.

² *Id.*