

## ASAMM-Beaufort – Flight 25 – 3 September 2017

Area flown: Block 1, 1 complete transect; block 2, 1 partial transect; block 4, 4 complete transects and 2 partial transects; block 5, 2 partial transects; block 6, 3 complete transects and 3 partial transects, block 7, 2 partial transects.

Total hours flown: 8.7 (2 flights)

Total transect hours: 3.6

Number of bowhead whales seen: 138 (32 calves)

Weather and visibility: Skies were clear to overcast. Sea state ranged from Beaufort 1 to 3.

Visibility ranged from 0 km to unlimited; with fog, glare, and low ceilings. There was no sea ice in the area surveyed.

Sightings: Bowhead whales, one unidentified cetacean, small unidentified pinnipeds, polar bears, unidentified pinnipeds, and a bearded seal. The polar bears were primarily resting on barrier islands or swimming close to shore.

### Preliminary Summary, Flight 25 Date: Sunday, September 3, 2017

Total bowhead whales: 138	Start time: 9/3/2017 9:26:25 AM	End time: 9/3/2017 7:07:25 PM
Bowhead whale sightings: 83	Transect minutes: 216	Transect km: 833
Bowhead whales on transect: 37	Circling minutes: 114	Circling km: 345.5
Bowhead whale calves: 32	Trans+Circ minutes: 330	Trans+Circ km: 1178.5
Bowhead whale calves on transect: 5	Search minutes: 22	Search km: 55.6
Bowhead whale repeats: 0	Total minutes: 524	Total km: 2182.6
Possible repeats: 2	Deadhead minutes: 172	Deadhead km: 948.5
Total gray whales: 0	Search blocks: 2,4,5,6,7,8	
Total belugas: 0	Transect blocks: 1,2,4,5,6,7,8,9	
Other whale sightings: 1		
Walrus: no		
Total polar bears: 13		

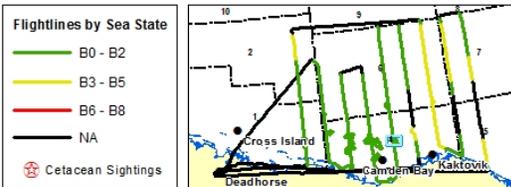
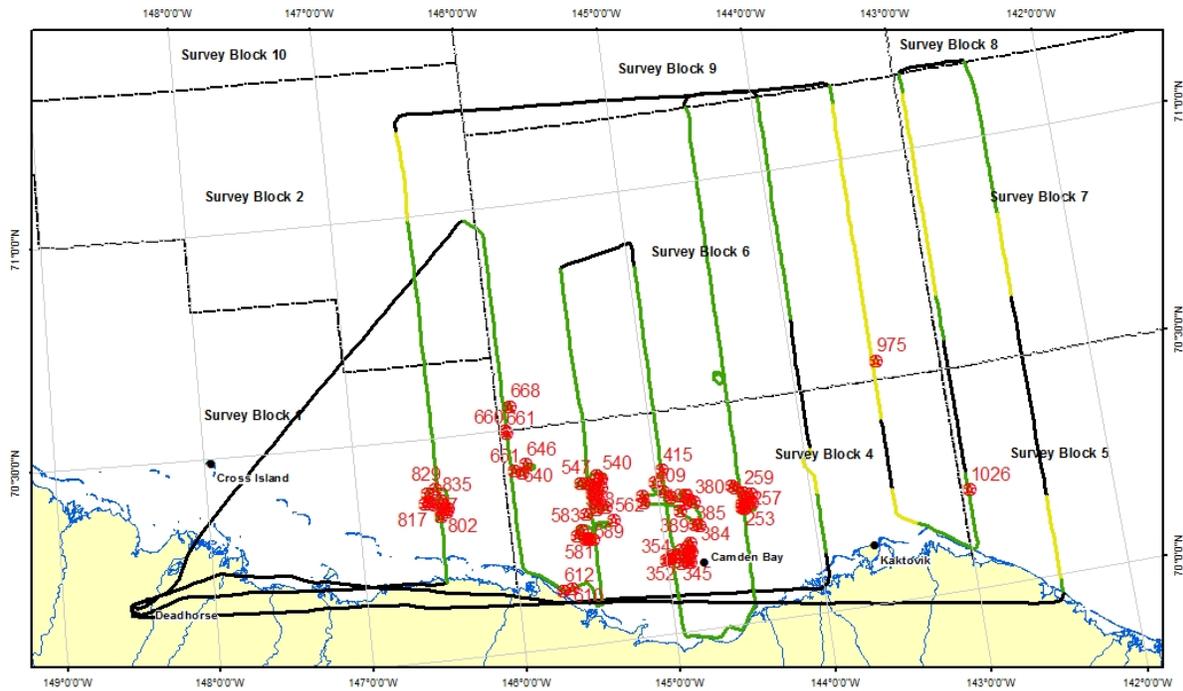
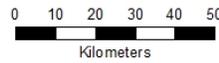
### Cetacean Sightings:

Event	Lat	Long	Block	Species	Total	Calves	Behavior	Swim Direction	On Effort
232	70.31	-144.46	4	bowhead whale	1	0	swim	-1	True
233	70.31	-144.46	4	bowhead whale	1	0	swim	-1	True
239	70.28	-144.43	4	bowhead whale	1	0	swim	-1	False
242	70.27	-144.45	4	bowhead whale	1	0	swim	-1	False
243	70.26	-144.46	4	bowhead whale	2	0	swim	-1	False
244	70.26	-144.42	4	bowhead whale	1	0	swim	-1	False
248	70.27	-144.38	4	bowhead whale	2	1	swim	-1	False
253	70.26	-144.44	4	bowhead whale	4	1	swim	-1	False
256	70.27	-144.4	4	bowhead whale	1	0	swim	-1	False
257	70.29	-144.39	4	bowhead whale	1	0	swim	-1	False
259	70.29	-144.43	4	bowhead whale	2	1	swim	-1	False
312	70.17	-144.96	4	bowhead whale	1	0	dive	-1	True
313	70.17	-144.96	4	bowhead whale	1	0	swim	-1	True
317	70.18	-144.84	4	bowhead whale	1	0	swim	-1	False
318	70.19	-144.85	4	bowhead whale	2	1	swim	-1	False
320	70.2	-144.82	4	bowhead whale	2	0	swim	-1	False
323	70.18	-144.83	4	bowhead whale	2	0	swim	-1	False
329	70.19	-144.89	4	bowhead whale	1	0	swim	-1	False
333	70.16	-144.86	4	bowhead whale	1	0	swim	-1	False
334	70.15	-144.85	4	bowhead whale	1	0	swim	-1	False
336	70.16	-144.85	4	bowhead whale	2	1	swim	-1	False
342	70.17	-144.86	4	bowhead whale	2	0	swim	-1	False
345	70.16	-144.9	4	bowhead whale	1	0	swim	-1	False
349	70.17	-145	4	bowhead whale	3	0	swim	-1	False
352	70.17	-144.96	4	bowhead whale	2	0	dive	-1	False
354	70.17	-144.95	4	bowhead whale	2	1	dive	-1	False
Event	Lat	Long	Block	Species	Total	Calves	Behavior	Swim Direction	On Effort

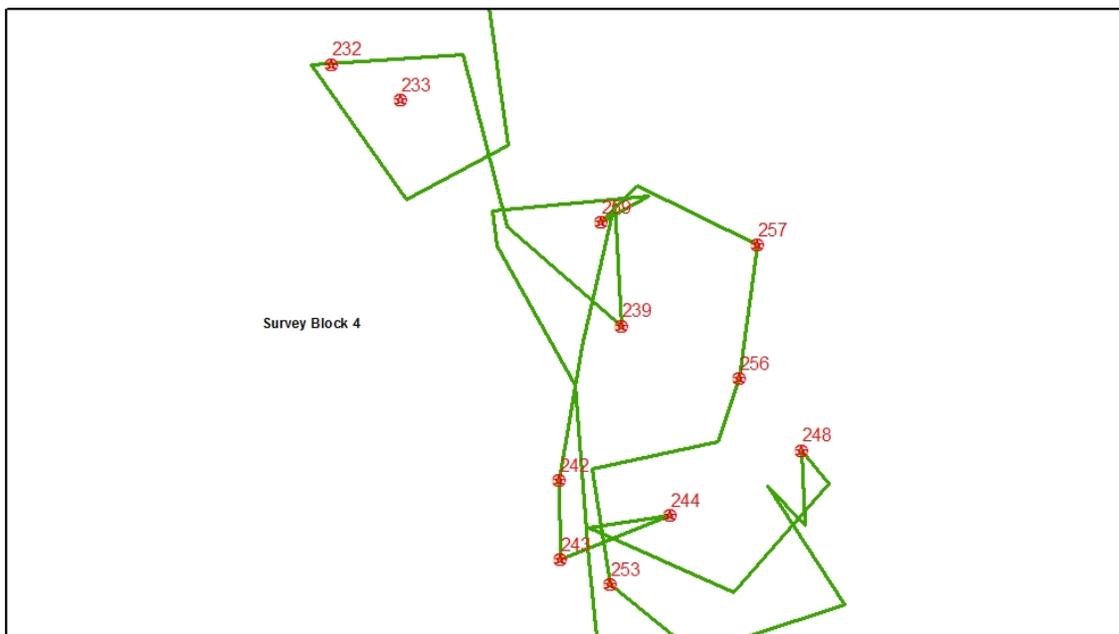
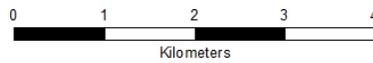
364	70.3	-144.96	4	bowhead whale	2	1	swim	-1	True
365	70.31	-144.96	4	unid cetacean	1	0	unknown	-1	True
370	70.3	-144.82	4	bowhead whale	5	1	swim	-1	False
374	70.29	-144.79	4	bowhead whale	2	1	swim	-1	False
376	70.29	-144.82	4	bowhead whale	2	1	swim	-1	False
380	70.29	-144.77	4	bowhead whale	2	0	swim	-1	False
384	70.23	-144.75	4	bowhead whale	1	0	swim	-1	False
385	70.24	-144.78	4	bowhead whale	1	0	swim	-1	False
389	70.27	-144.87	4	bowhead whale	1	0	swim	-1	False
396	70.3	-145.1	4	bowhead whale	1	0	swim	-1	False
400	70.32	-144.96	4	bowhead whale	2	1	swim	-1	False
409	70.34	-145.01	4	bowhead whale	2	1	dive	-1	False
415	70.37	-144.96	4	bowhead whale	1	0	dive	360	True
501	70.38	-145.45	4	bowhead whale	2	0	swim	-1	True
506	70.35	-145.41	4	bowhead whale	2	1	swim	-1	False
507	70.35	-145.43	4	bowhead whale	1	1	rest	-1	False
508	70.36	-145.45	4	bowhead whale	1	1	rest	-1	False
515	70.35	-145.37	4	bowhead whale	1	0	swim	-1	False
517	70.33	-145.4	4	bowhead whale	1	0	swim	-1	False
518	70.33	-145.4	4	bowhead whale	1	0	swim	-1	False
519	70.32	-145.41	4	bowhead whale	2	1	swim	-1	False
521	70.34	-145.44	4	bowhead whale	1	1	swim	-1	False
525	70.3	-145.41	4	bowhead whale	3	1	swim	-1	False
529	70.3	-145.35	4	bowhead whale	1	1	swim	-1	False
531	70.32	-145.39	4	bowhead whale	2	1	swim	-1	False
535	70.32	-145.43	4	bowhead whale	2	1	swim	-1	False
539	70.37	-145.37	4	bowhead whale	2	1	rest	-1	False
540	70.37	-145.36	4	bowhead whale	1	0	rest	-1	False
547	70.36	-145.45	4	bowhead whale	2	0	swim	-1	True
558	70.29	-145.46	4	bowhead whale	1	0	swim	-1	True
562	70.27	-145.45	4	bowhead whale	2	0	swim	-1	True
572	70.24	-145.45	4	bowhead whale	1	0	swim	-1	True
575	70.23	-145.51	4	bowhead whale	1	1	swim	-1	False
579	70.23	-145.49	4	bowhead whale	1	0	rest	-1	False
581	70.24	-145.56	4	bowhead whale	2	1	rest	-1	False
583	70.26	-145.53	4	bowhead whale	2	1	rest	-1	False
589	70.23	-145.46	4	bowhead whale	1	1	rest	-1	False
610	70.13	-145.64	4	bowhead whale	1	0	swim	-1	False
612	70.13	-145.7	4	bowhead whale	1	0	swim	-1	False
640	70.4	-145.96	4	bowhead whale	2	0	swim	-1	True
646	70.42	-145.85	4	bowhead whale	2	1	swim	-1	False
651	70.41	-145.93	4	bowhead whale	1	0	swim	-1	False
660	70.49	-145.96	4	bowhead whale	1	1	swim	-1	True
661	70.5	-145.96	4	bowhead whale	2	1	swim	-1	True
668	70.55	-145.96	6	bowhead whale	2	0	swim	-1	True
797	70.32	-146.45	1	bowhead whale	3	0	dive	-1	True
798	70.34	-146.45	1	bowhead whale	1	0	swim	-1	True
802	70.33	-146.4	1	bowhead whale	1	0	dive	-1	False
804	70.35	-146.43	1	bowhead whale	3	1	feed	-1	False
810	70.34	-146.39	1	bowhead whale	1	0	swim	-1	False
817	70.35	-146.46	1	bowhead whale	8	0	swim	-1	True
820	70.36	-146.51	1	bowhead whale	1	0	swim	-1	False
823	70.35	-146.52	1	bowhead whale	2	0	swim	-1	False
827	70.38	-146.53	1	bowhead whale	2	0	swim	-1	False
829	70.39	-146.47	1	bowhead whale	2	0	mill	-1	False
835	70.36	-146.45	1	bowhead whale	1	0	swim	-1	True
975	70.54	-143.45	6	bowhead whale	1	1	swim	-1	True
1026	70.22	-142.96	5	bowhead whale	1	1	swim	-1	True

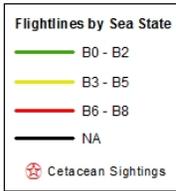


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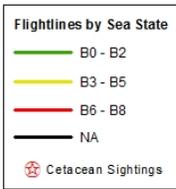
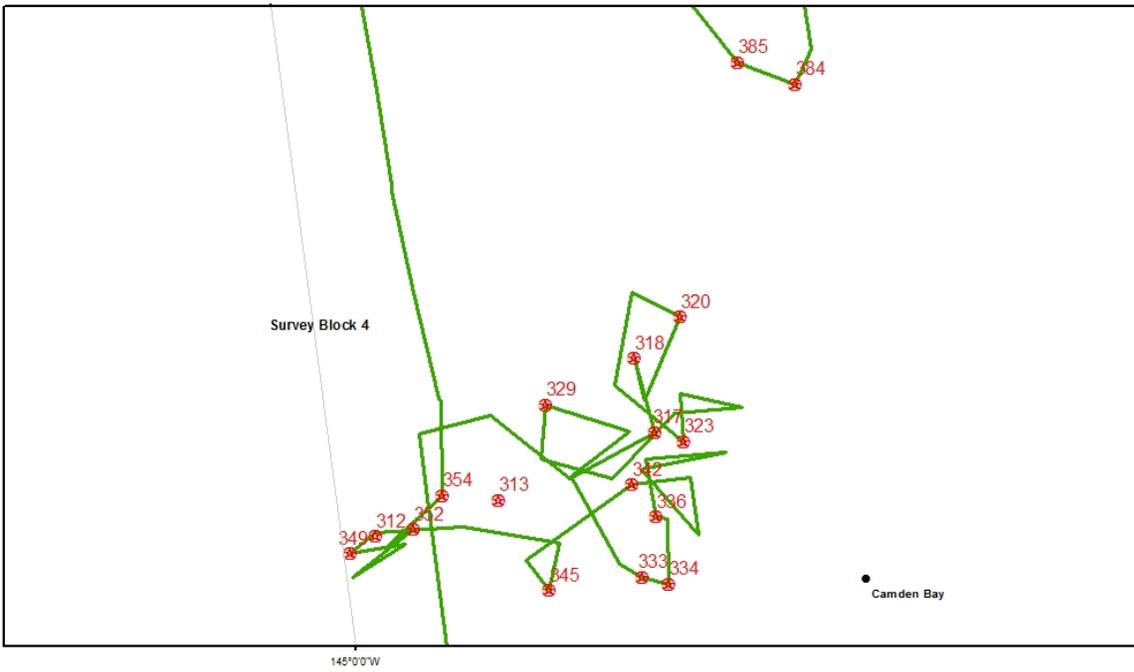


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Flight 25, High Density Cluster 1, 9/3/2017

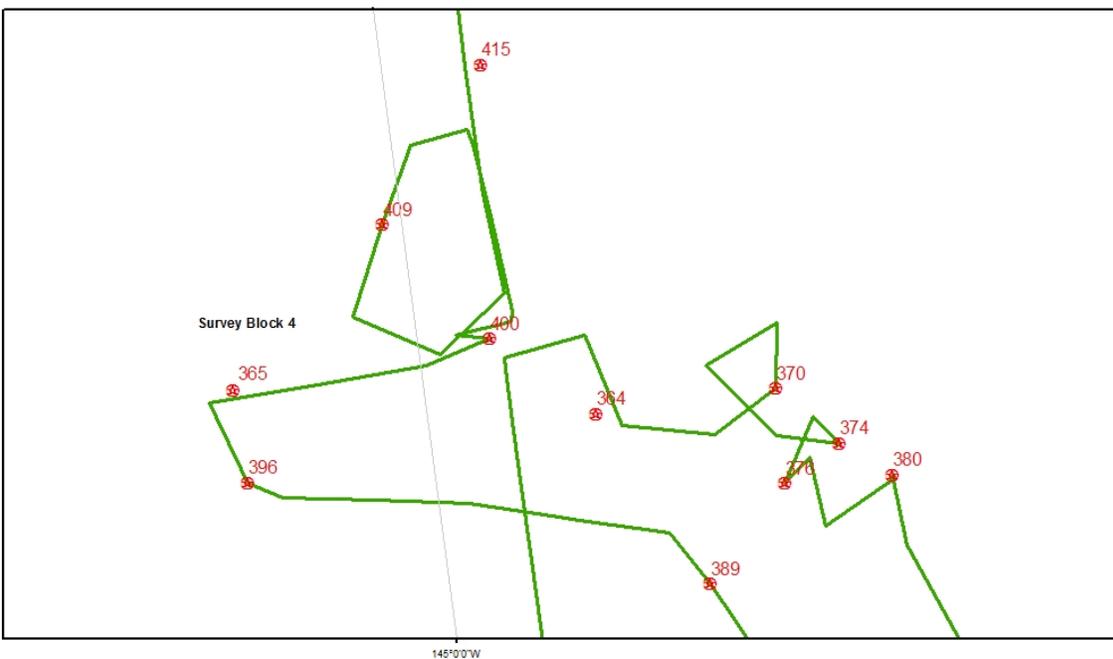
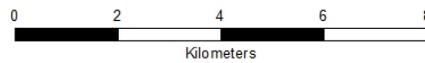


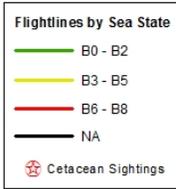


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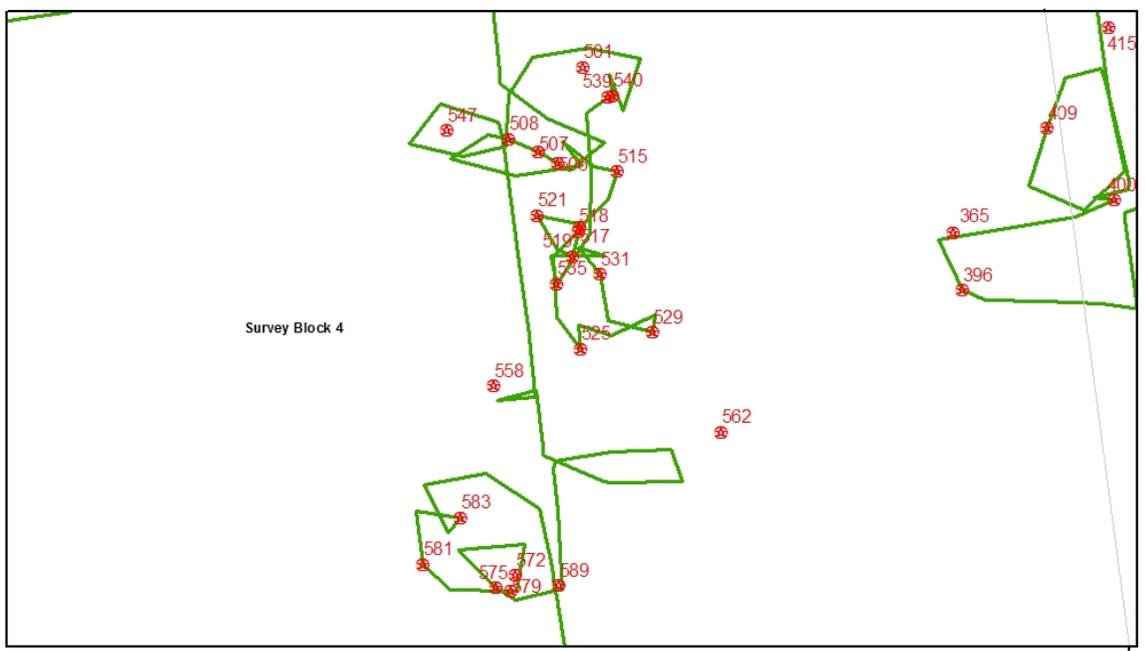


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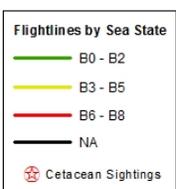




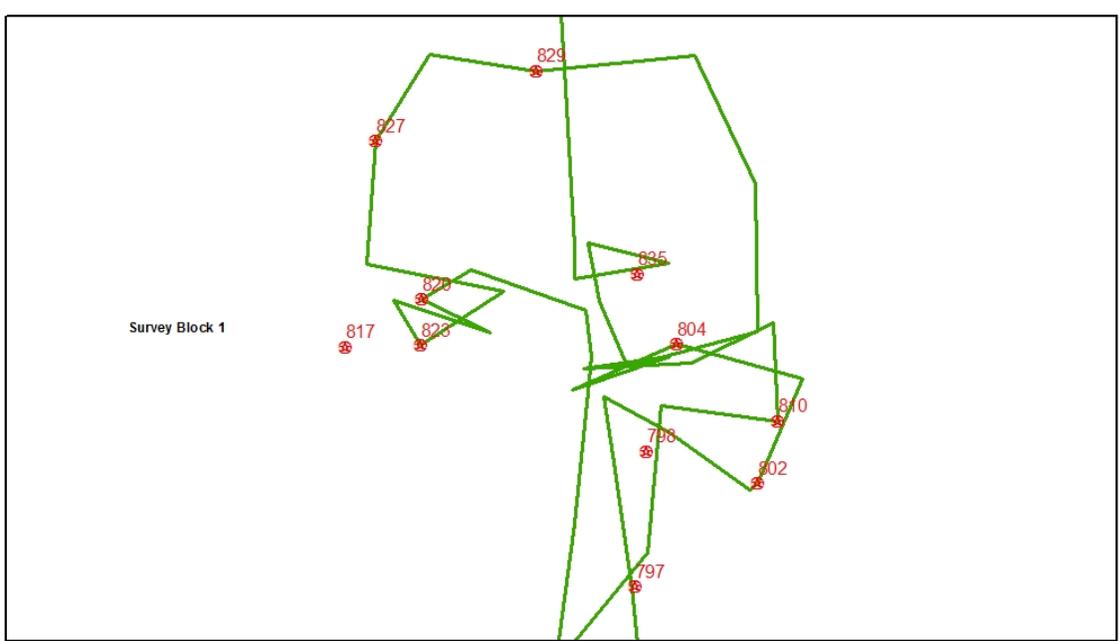
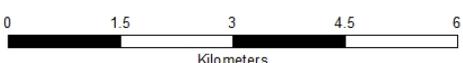
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 Flight 25, High Density Cluster 4, 9/3/2017



145°0'0"W



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 Flight 25, High Density Cluster 5, 9/3/2017

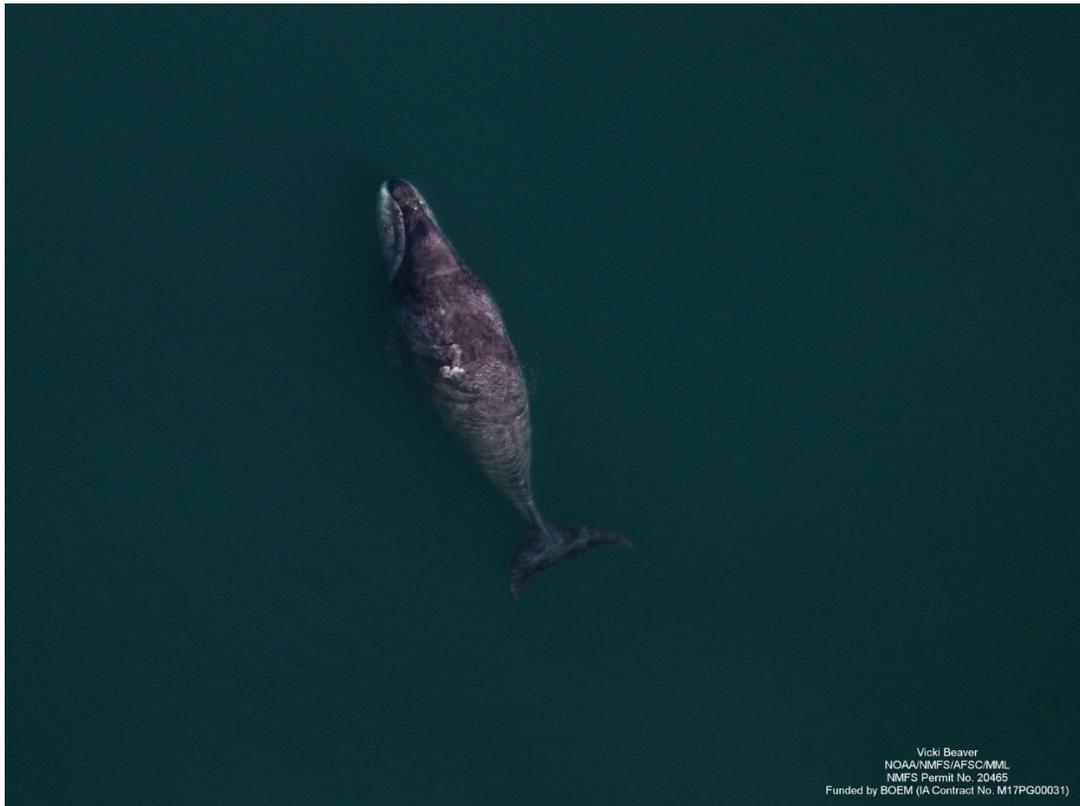




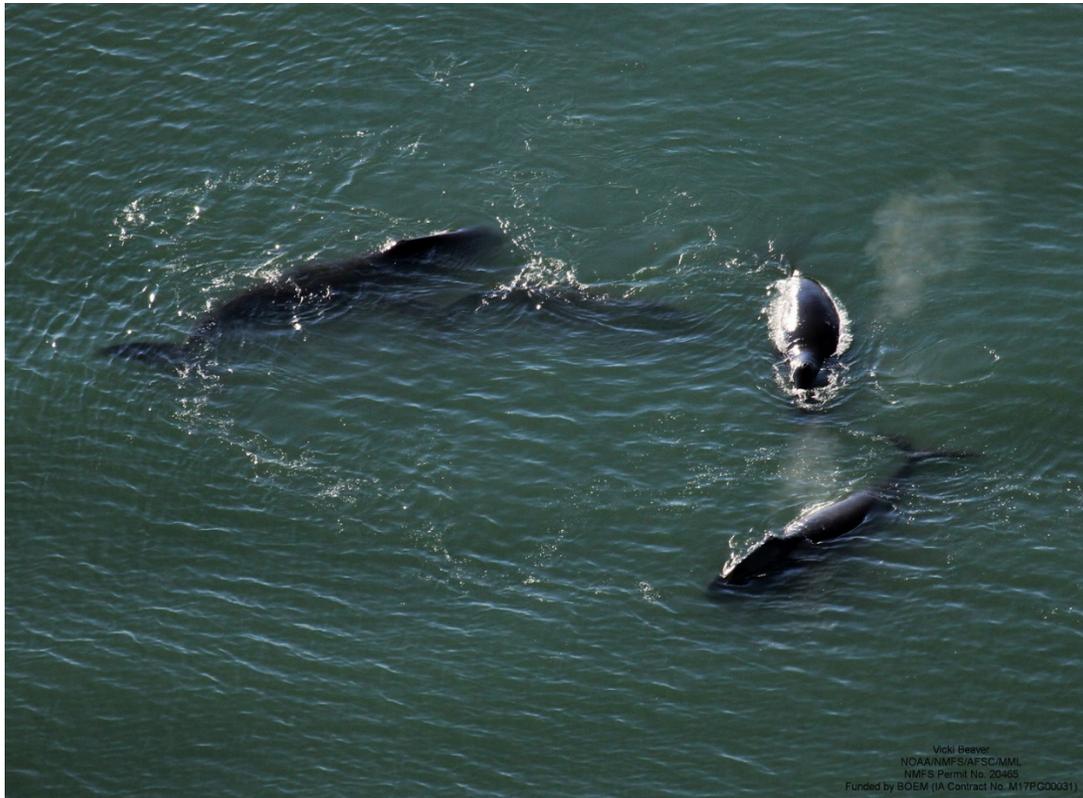
Bowhead whale cow/calf pair. The calf is on its way to the surface as the well-marked mom takes a breath nearby. The mom shows peduncle scarring, which may be from a previous entanglement. This pair was observed approximately 30 miles WNW of Kaktovik, Alaska (Event 323), during ASAMM-Beaufort Flight 25, 3 September 2017.



The fluke of this bowhead whale calf makes rings as it slides into a mirrored sea. Observed approximately 20 miles ENE of Flaxman Island, Alaska (Event 506), during ASAMM-Beaufort Flight 25, 3 September 2017. Just before this image was captured, the calf was visible through the clear water doing a subsurface headstand.



A fatty bowhead whale calf observed alone at the surface; its mom was presumably out of sight below the surface. Observed approximately 15 miles ENE of Flaxman Island, Alaska (Event 535), during ASAMM-Beaufort Flight 25, 3 September 2017.



A group of four bowhead whales Observed approximately 20 miles WNW of Flaxman Island, Alaska (Event 817), playing “ring around the rosie” during ASAMM-Beaufort Flight 25, 3 September 2017.



This solo bowhead whale calf is decked out in a very splotchy camo pattern. Observed approximately 20 miles WNW of Flaxman Island, Alaska (Event 817), during ASAMM-Beaufort Flight 25, 3 September 2017.