ASAMM-Chukchi – Flight 243 – 3 October 2014

Area flown: Block 1, five transects; block 2, six transects; transects 3 and 5, partial
Total hours flown: 7.2 (2 flights)
Total transect hours: 3.1
Number of bowheads seen: 11 (1 calf)
Weather and visibility: Skies were partly cloudy to overcast. Sea state ranged from Beaufort 2-6. Visibility varied from 0 to 10 km, with glare, low ceilings, precipitation, and ice on the windows. There was no sea ice in the area surveyed.
Sightings: Bowhead whales, gray whales, belugas, one unidentified cetacean, one walrus, unidentified pinnipeds, small unidentified pinnipeds and polar bears. All polar bears were seen on or near (within 0.5 km) barrier islands.

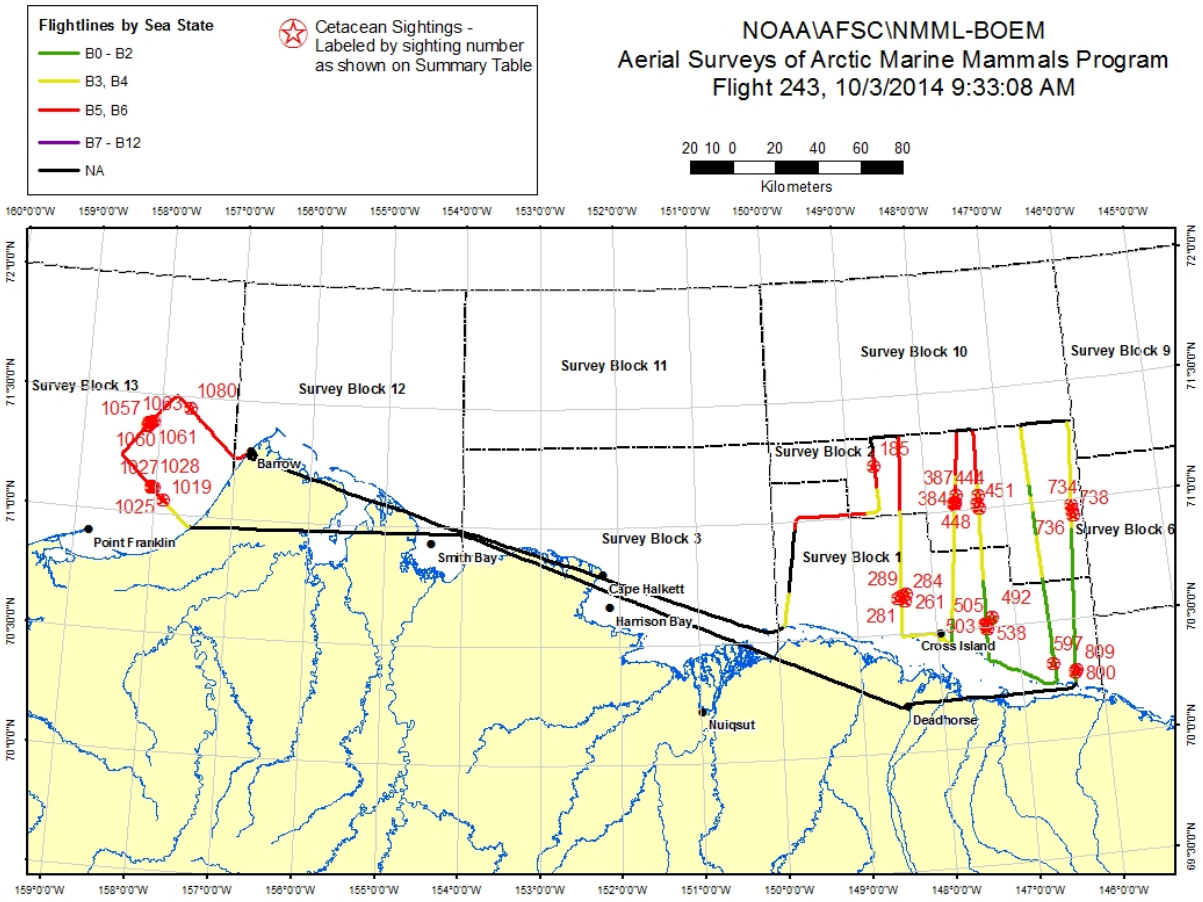
Preliminary Summary, Flight 243 Date: 10/3/2014

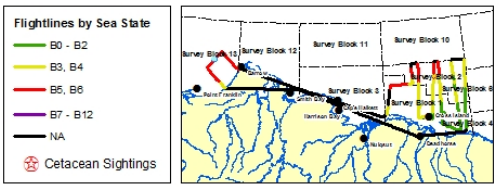
Total bowhead whales: 11	Start time: 10/3/2014 9:37:05 AM	End time: 10/3/2014 5:49:00 PM
Bowhead whale sightings: 10	Transect minutes: 185	Transect km:668.7
Bowhead whales on transect: 8	Circling minutes: 51	Circling km: 107
Bowhead whale cow-calf pairs: 1	Trans+Circ minutes: 236	Trans+Circ km: 775.7
Bowhead whale cow-calf pairs on transect: 1	Search minutes: 39	Search km: 152.5
Bowhead whale repeats: 0	Total minutes: 430	Total km: 1717.3
Possible repeats: 0	Deadhead minutes: 155	Deadhead km: 789.1
Total gray whales: 4	Search blocks: 1, 2, 13, 12	
Total belugas: 28	Transect blocks: 1, 2, 13	
Other whale sightings: 1		
Total walrus: 1		
Total polar bears: 52		

Cetacean Sightings:

Event	Lat	Long	Block	Species	Total	Calves	Behavior	Swim Direction	On Effort
185	71.21	-148.64	2	beluga	6	0	swim	298	True
261	70.67	-148.41	1	unid cetacean	1	0	unknown	360	True
281	70.66	-148.41	1	bowhead whale	1	0	swim	-1	False
284	70.64	-148.37	1	bowhead whale	1	0	swim	-1	False
289	70.65	-148.41	1	bowhead whale	1	0	swim	273	True
382	71.03	-147.63	2	beluga	2	0	swim	6	True
383	71.03	-147.63	2	beluga	1	0	swim	67	True
384	71.04	-147.63	2	beluga	1	0	swim	37	True
387	71.06	-147.62	2	beluga	2	0	swim	304	True
444	71.06	-147.33	2	beluga	1	0	swim	329	True
448	71.01	-147.33	2	beluga	1	0	swim	272	True
451	71	-147.33	2	beluga	2	0	swim	271	True
492	70.54	-147.37	1	bowhead whale	1	0	swim	306	True
503	70.51	-147.37	1	bowhead whale	1	0	feed	269	True
505	70.51	-147.37	1	bowhead whale	1	0	feed	-1	True
538	70.49	-147.37	1	bowhead whale	2	1	feed	-1	True
597	70.32	-146.57	1	bowhead whale	1	0	swim	203	True
734	70.98	-146.15	2	beluga	1	0	swim	4	True
736	70.95	-146.15	2	beluga	1	0	swim	5	True
738	70.93	-146.16	2	beluga	1	0	swim	275	True
800	70.28	-146.32	1	bowhead whale	1	0	feed	-1	True
809	70.28	-146.31	1	bowhead whale	1	0	feed	-1	False
1019	71.06	-157.89	13	gray whale	1	0	feed	-1	True
1025	71.1	-158.03	13	gray whale	1	0	feed	-1	True
1027	71.11	-158.05	13	gray whale	1	0	feed	-1	True
1028	71.11	-158.06	13	gray whale	1	0	feed	-1	True
1057	71.36	-158.17	13	beluga	1	0	swim	39	False

1059	71.37	-158.14	13	beluga	3	0	swim	191	False
1060	71.38	-158.13	13	beluga	1	0	swim	155	False
1061	71.38	-158.12	13	beluga	1	0	swim	304	False
1063	71.39	-158.1	13	beluga	2	0	swim	218	False
1080	71.45	-157.62	13	beluga	1	0	swim	317	True





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Aerial Surveys of Arctic Marine Mammals Program
Flight 243, High Density Cluster 1, 10/3/2014 9:33:08 AM

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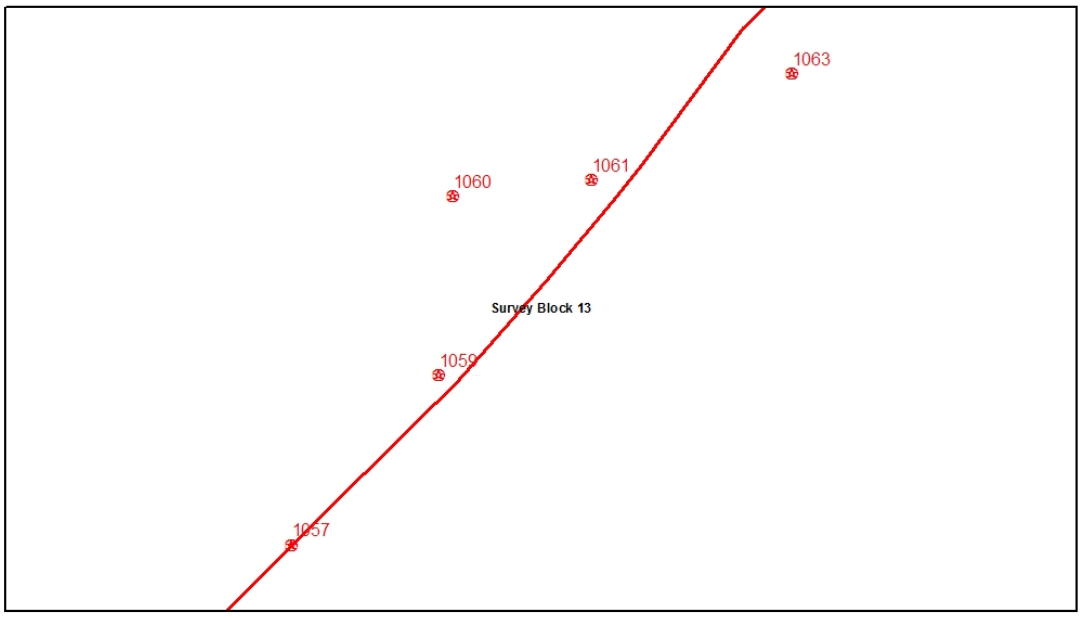
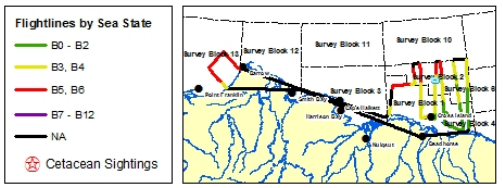
Kilometers





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Aerial Surveys of Arctic Marine Mammals Program
Flight 243, High Density Cluster 2, 10/3/2014 9:33:08 AM

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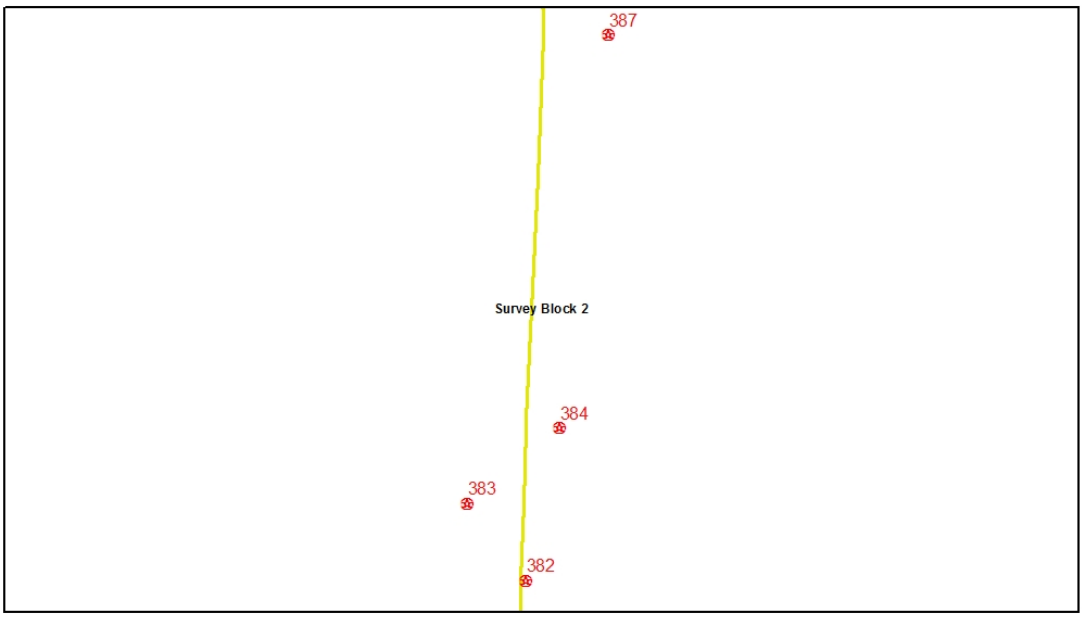
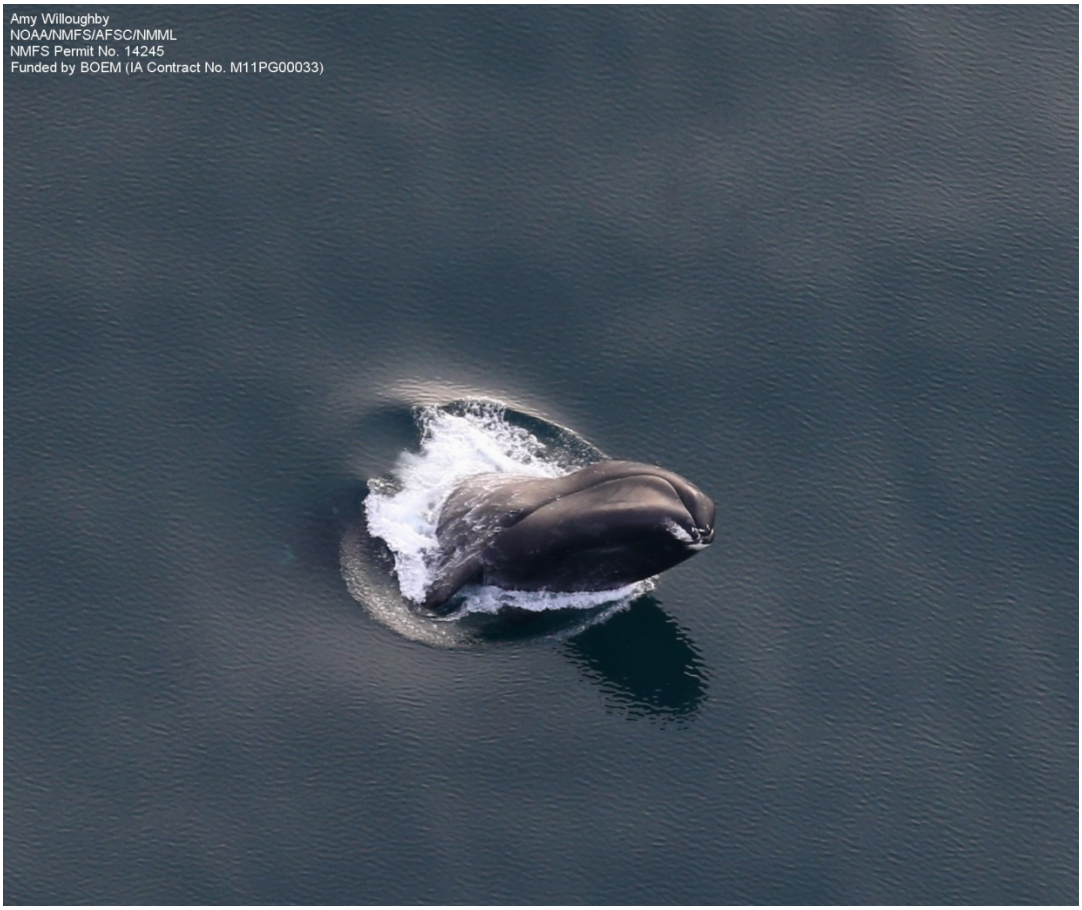
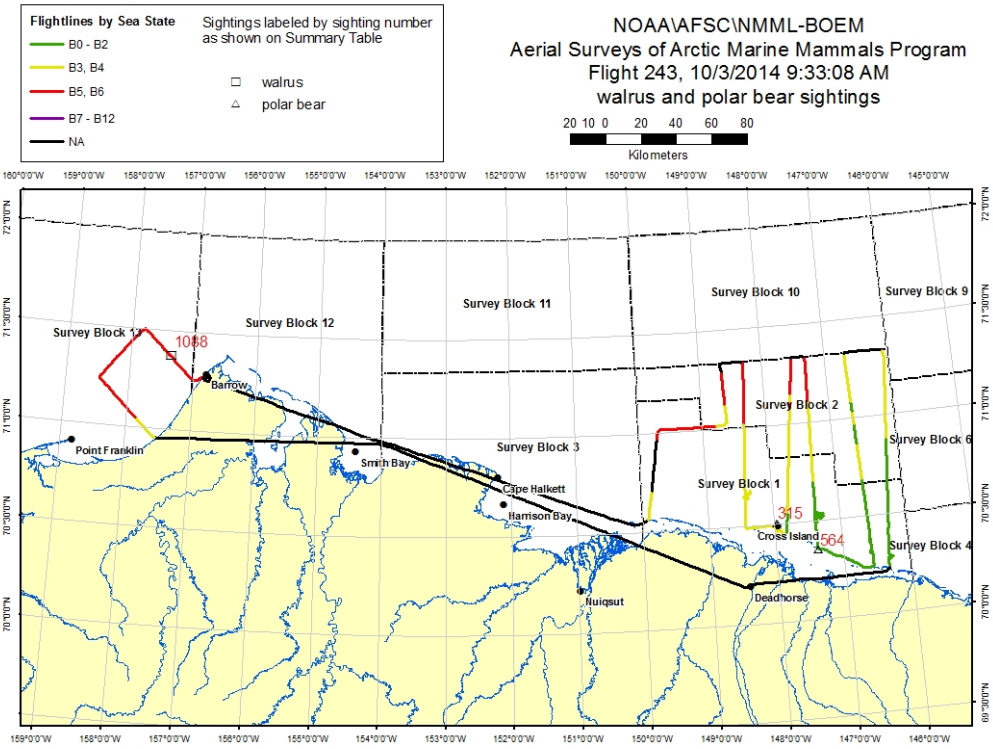




Bowhead whale breaching (top photo) and flipper slapping (bottom photo) (event 503), ASAMM-Chukchi Flight 243, 3 October 2014.

Polar Bear and Walrus Sightings:



Polar bears on Cross Island, ASAMM-Chukchi Flight 243, 3 October 2014.