

ASAMM-Chukchi – Flight 207 – 14 July 2016

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

Total hours flown: 6.4 (2 flights)

Total transect hours: 3.2

Number of bowhead whales seen: 4 (0 calves)

Weather and visibility: Skies were partly cloudy. Sea state ranged from Beaufort 0-3. Visibility was <1 km to unlimited, with visual impediments of fog and glare. Sea ice ranged from 0 to 90 percent broken floe ice in the area surveyed. Flight following was temporarily unavailable and prevented complete coverage of transects between 148°W and 149°W.

Sightings: Bowhead whales, belugas (including 7 calves), one polar bear, one bearded seal, one unidentified pinniped, and small unidentified pinnipeds. The polar bear was swimming approximately 45 km from shore, northwest of Deadhorse, in an area of 50 percent broken floe sea ice.

Preliminary Summary, Flight 207 Date: Thursday, July 14, 2016

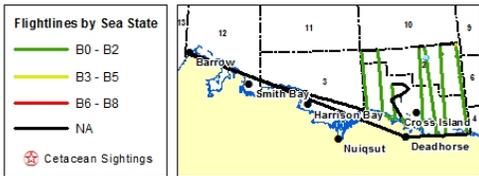
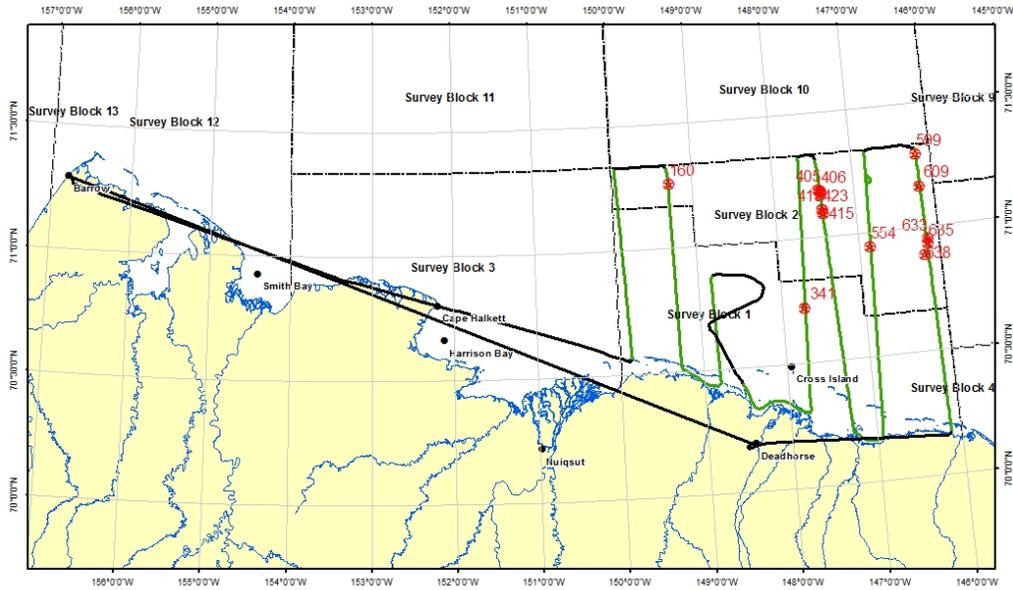
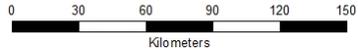
Total bowhead whales: 4	Start time: 7/14/2016 2:01:27 PM	End time: 7/14/2016 9:12:59 PM
Bowhead whale sightings: 3	Transect minutes: 191	Transect km: 706.9
Bowhead whales on transect: 4	Circling minutes: 15	Circling km: 44.9
Bowhead whale cow-calf pairs: 0	Trans+Circ minutes: 206	Trans+Circ km: 751.8
Bowhead whale cow-calf pairs on transect: 0	Search minutes: 22	Search km: 84.2
Bowhead whale repeats: 0	Total minutes: 384	Total km: 1669.5
Possible repeats: 0	Deadhead minutes: 157	Deadhead km: 833.5
Total gray whales: 0	Search blocks: 1,2	
Total belugas: 38	Transect blocks: 1,2	
Other whale sightings: 0		
walrus: no		
Total polar bears: 1		

Cetacean Sightings:

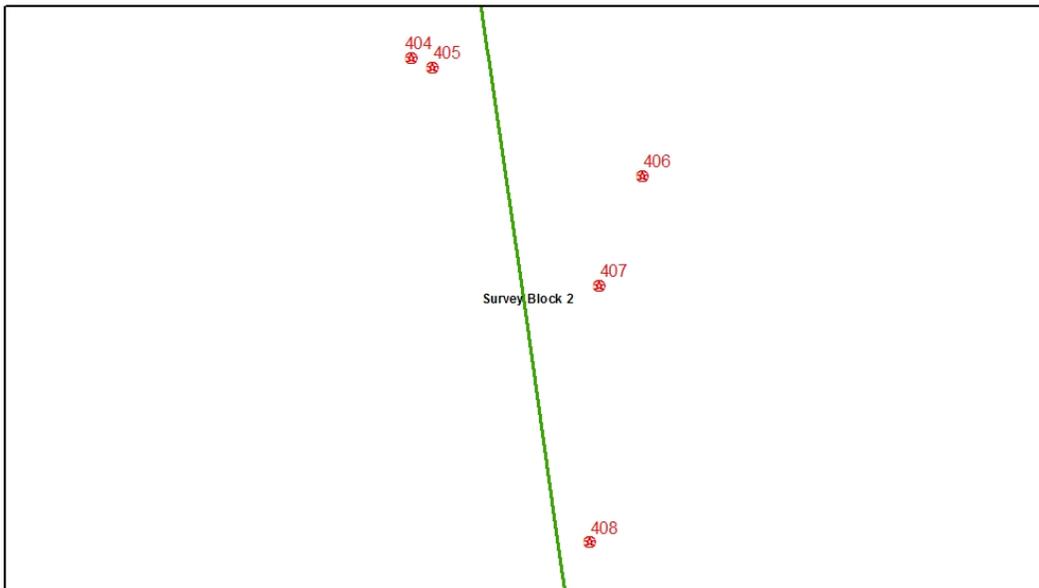
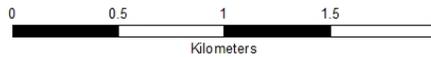
Event	Lat	Long	Block	Species	Total	Calves	Behavior	Swim Direction	On Effort
160	71.26	-149.3	2	beluga	1	0	swim	119	True
341	70.72	-147.72	1	bowhead whale	2	0	feed	-1	True
404	71.19	-147.42	2	beluga	1	0	swim	357	True
405	71.19	-147.42	2	beluga	2	0	swim	357	True
406	71.18	-147.42	2	beluga	1	0	swim	357	True
407	71.18	-147.42	2	beluga	2	0	swim	357	True
408	71.17	-147.42	2	beluga	1	0	swim	327	True
413	71.11	-147.41	2	beluga	5	1	swim	327	True
415	71.09	-147.41	2	bowhead whale	1	0	rest	-1	True
423	71.11	-147.4	2	beluga	3	0	swim	-1	False
554	70.94	-146.86	2	beluga	2	1	mill	-1	True
599	71.29	-146.18	2	beluga	5	1	swim	276	True
609	71.16	-146.17	2	bowhead whale	1	0	swim	298	True
633	70.95	-146.16	2	beluga	1	0	swim	89	True
635	70.93	-146.16	2	beluga	2	0	rest	-1	True
638	70.89	-146.16	2	beluga	12	4	swim	58	True



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 Aerial Surveys of Arctic Marine Mammals Program
 Flight 207, 7/14/2016 1:56:29 PM

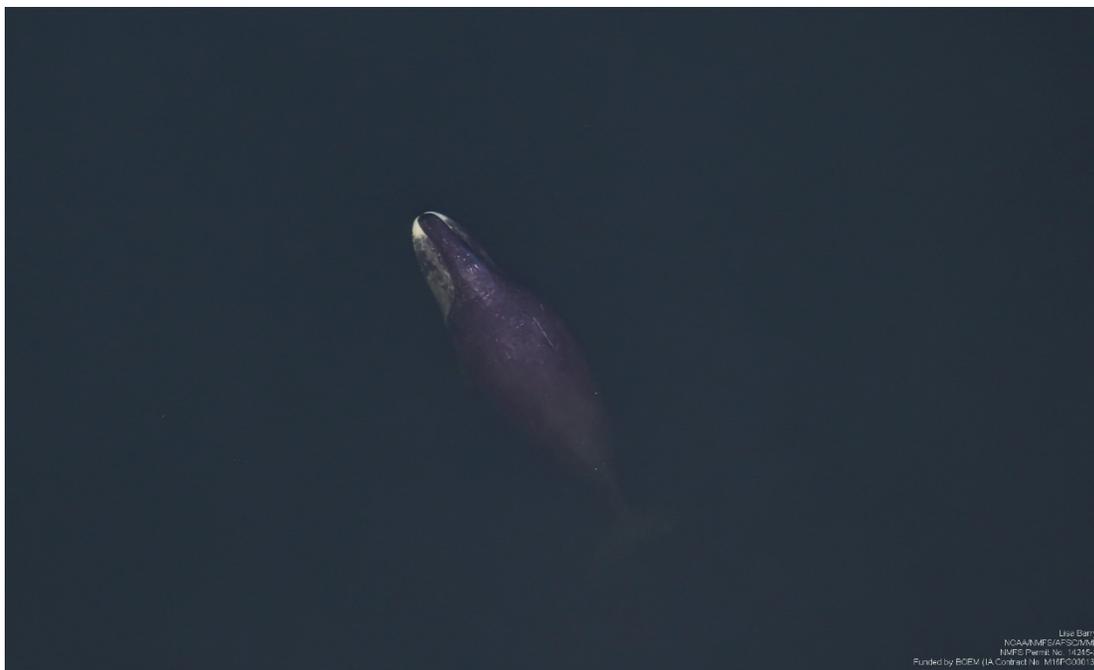


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 Aerial Surveys of Arctic Marine Mammals Program
 Flight 207, High Density Cluster 1, 7/14/2016





Two bowhead whales, one swimming with its mouth open (bottom left), sighted in the western Beaufort Sea, approximately 30 km north of Cross Island (event 341), ASAMM-Chukchi Flight 207, 14 July 2016.



A resting juvenile bowhead whale sighted in the western Beaufort Sea, approximately 72 km north of Cross Island (event 415), ASAMM-Chukchi Flight 207, 14 July 2016.