

## ASAMM-Beaufort – Flight 38 – 20 September 2016

Area flown: Blocks 1 and 2, 8 complete transects; blocks 4 and 6, 4 complete transects.

Total hours flown: 9.4 (2 flights)

Total transect hours: 6.2

Number of bowhead whales seen: 35 (3 calves)

Weather and visibility: Skies were partly cloudy to overcast. Sea state ranged from Beaufort 1 to 4. Visibility ranged from 5 km to unlimited, with precipitation, haze, and glare. There was no sea ice in the area surveyed.

Sightings: Bowhead whales, 1 beluga, unidentified pinnipeds, small unidentified pinnipeds, and polar bears. One polar bear was running on a barrier island approximately 26 km to the west of Cross Island. Thirty-four polar bears (including 7 cubs) were in seen in the vicinity of Cross Island: 30 were on the island, 3 were swimming in a bay of the island, and 1 was swimming approximately 3 km to the northeast of the island.

### Preliminary Summary, Flight 38 Date: Tuesday, September 20, 2016

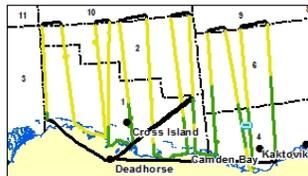
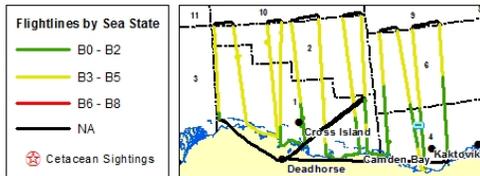
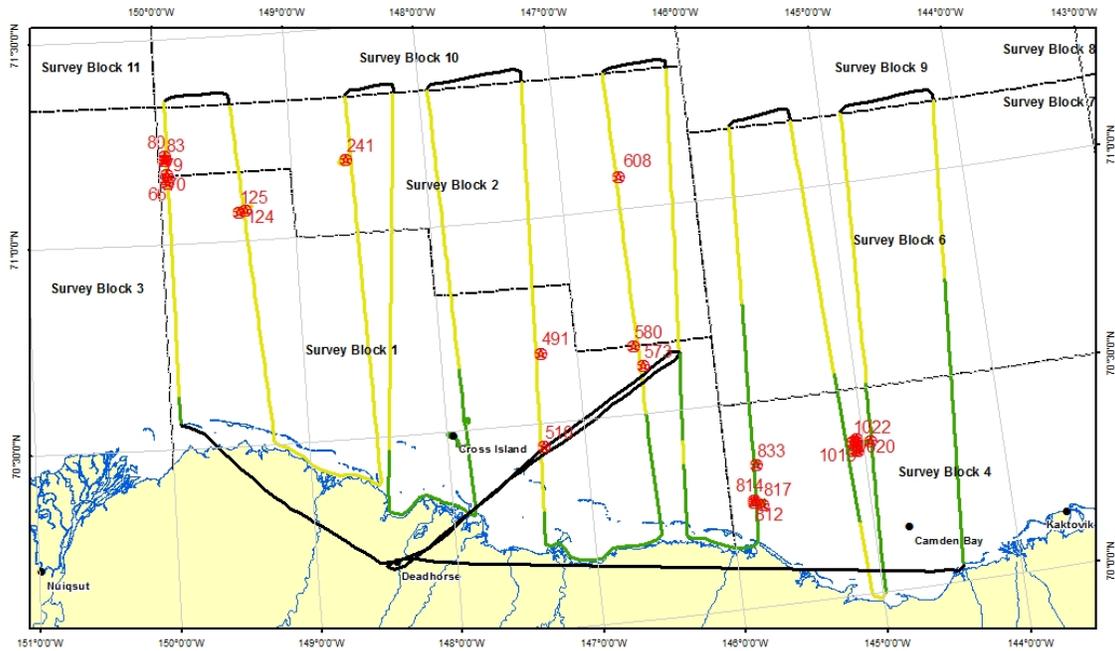
Total bowhead whales: 35	Start time: 9/20/2016 9:29:19 AM	End time: 9/20/2016 7:43:08 PM
Bowhead whale sightings: 24	Transect minutes: 369	Transect km: 1371.9
Bowhead whales on transect: 18	Circling minutes: 44	Circling km: 117.7
Bowhead whale cow-calf pairs: 3	Trans+Circ minutes: 412	Trans+Circ km: 1489.6
Bowhead whale cow-calf pairs on transect: 2	Search minutes: 40	Search km: 151.8
Bowhead whale repeats: 0	Total minutes: 565	Total km: 2201.7
Possible repeats: 0	Deadhead minutes: 113	Deadhead km: 560.3
Total gray whales: 0	Search blocks: 1,2,4,9,10	
Total belugas: 1	Transect blocks: 1,2,4,6	
Other whale sightings: 0		
walrus: no		
Total polar bears: 35		

### Cetacean Sightings

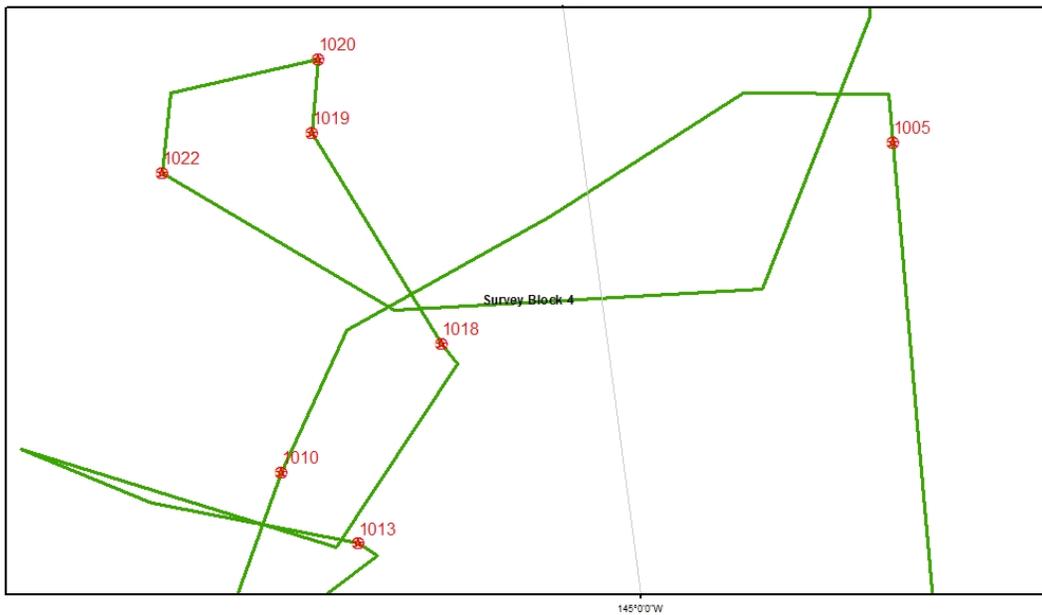
Event	Lat	Long	Block	Species	Total	Calves	Behavior	Swim Direction	On Effort
64	71.15	-149.93	1	bowhead whale	1	0	swim	359	True
66	71.16	-149.95	1	bowhead whale	2	1	swim	-1	False
70	71.17	-149.94	2	bowhead whale	1	0	swim	-1	False
79	71.21	-149.94	2	bowhead whale	2	0	swim	182	True
80	71.21	-149.94	2	bowhead whale	1	0	swim	334	True
83	71.21	-149.94	2	bowhead whale	2	0	mill	-1	False
124	71.07	-149.38	1	bowhead whale	4	1	swim	298	True
125	71.07	-149.38	1	bowhead whale	1	0	swim	239	True
241	71.18	-148.55	2	bowhead whale	1	0	swim	266	True
491	70.67	-147.3	1	bowhead whale	1	0	swim	270	True
510	70.44	-147.33	1	bowhead whale	1	0	swim	93	True
573	70.62	-146.55	1	bowhead whale	2	1	swim	-1	True
580	70.67	-146.55	1	bowhead whale	1	0	swim	267	True
608	71.08	-146.58	2	beluga	1	0	swim	268	True
812	70.25	-145.82	4	bowhead whale	1	0	swim	5	True
814	70.26	-145.83	4	bowhead whale	1	0	swim	-1	False
817	70.25	-145.77	4	bowhead whale	2	0	swim	-1	False
833	70.35	-145.81	4	bowhead whale	2	0	rest	-1	True
1005	70.37	-144.94	4	bowhead whale	1	0	swim	-1	False
1010	70.35	-145.06	4	bowhead whale	2	0	rest	-1	False
1013	70.35	-145.05	4	bowhead whale	2	0	swim	-1	False
1018	70.36	-145.03	4	bowhead whale	1	0	swim	-1	False
1019	70.37	-145.05	4	bowhead whale	1	0	swim	-1	False
1020	70.38	-145.05	4	bowhead whale	1	0	swim	-1	False
1022	70.37	-145.08	4	bowhead whale	1	0	swim	-1	False

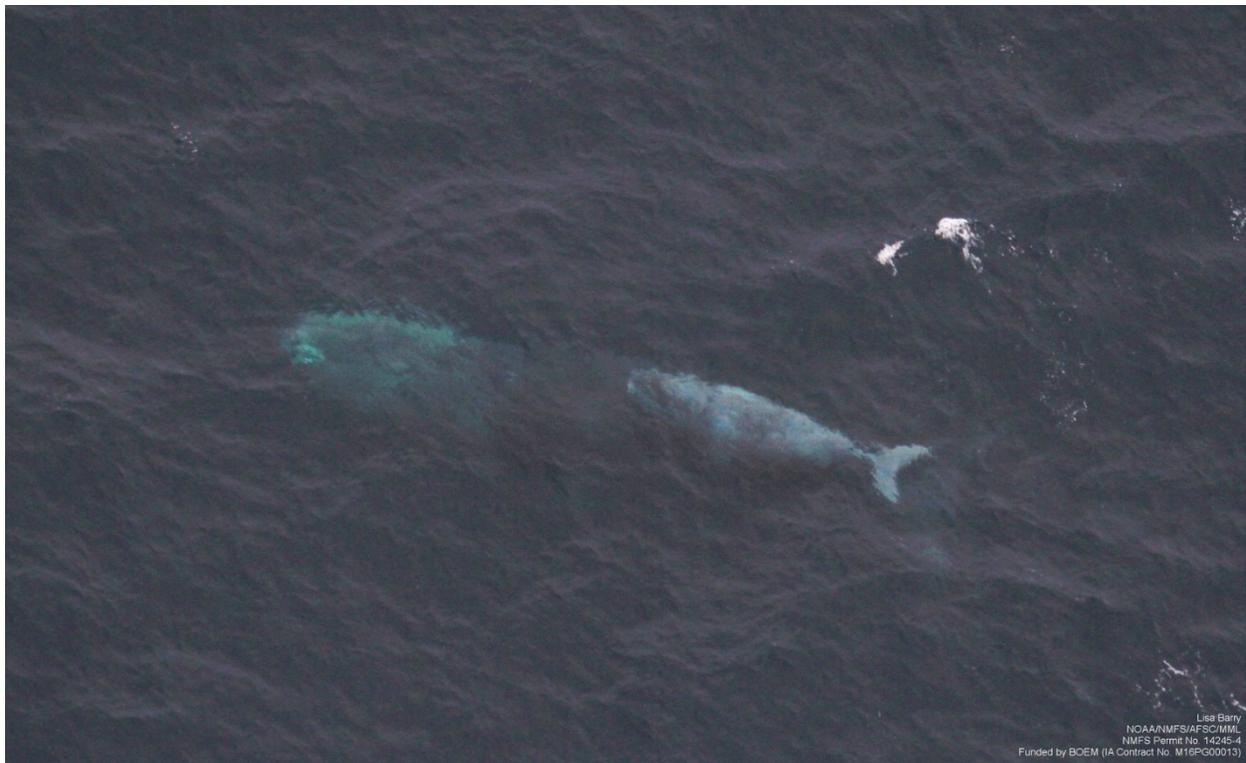
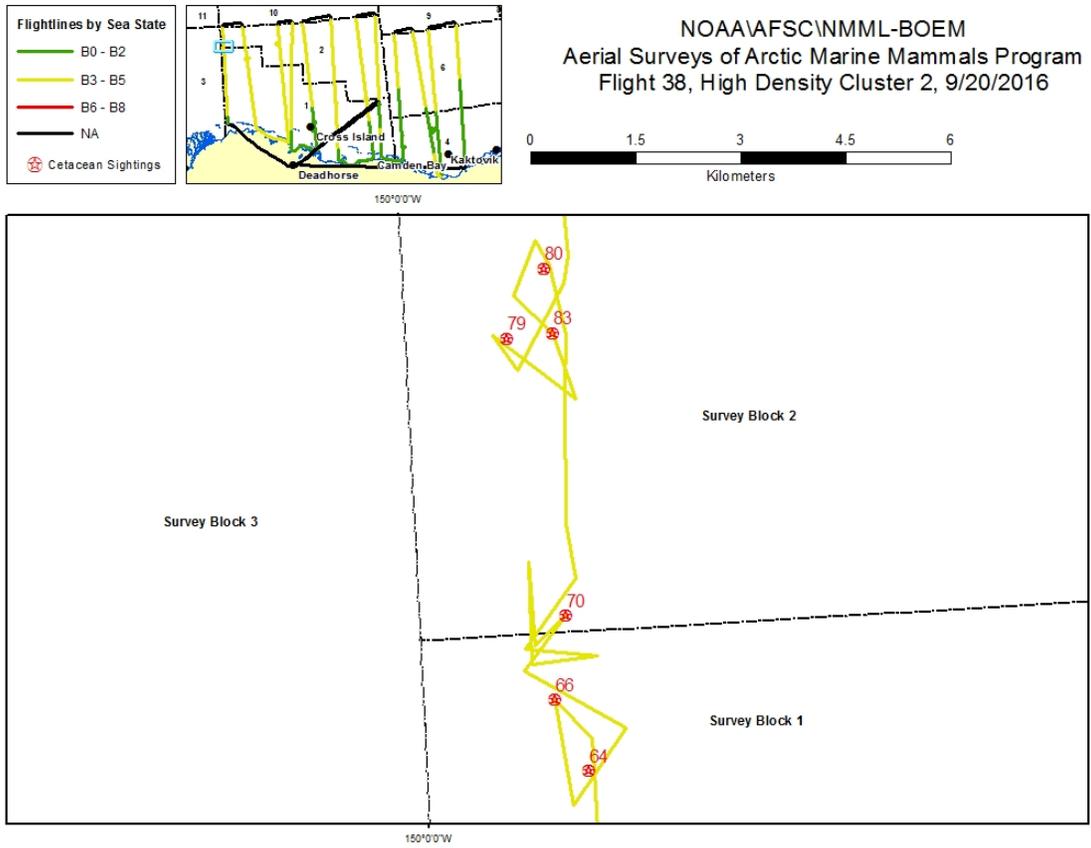


NOAA/AFSC/INMML-BOEM  
Aerial Surveys of Arctic Marine Mammals Program  
Flight 38, 9/20/2016 9:14:21 AM



NOAA/AFSC/INMML-BOEM  
Aerial Surveys of Arctic Marine Mammals Program  
Flight 38, High Density Cluster 1, 9/20/2016





Bowhead whale cow-calf pair swimming subsurface approximately 80 km offshore in the central Alaskan Beaufort Sea (event 124), ASAMM-Beaufort Flight 38, 20 September 2016.



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Polar bear sow and two youngsters frolicking near Cross Island, Alaska, ASAMM-Beaufort Flight 38,  
20 September 2016.