

ASAMM-Beaufort – Flight 39 – 21 September 2016

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

Total hours flown: 5.3

Total transect hours: 2.5

Number of bowhead whales seen: 32 (7 calves)

Weather and visibility: Skies were partly cloudy to overcast. Sea state ranged from Beaufort 2-4. Visibility ranged from 5 km to unlimited, with haze and glare. There was no sea ice in the area surveyed.

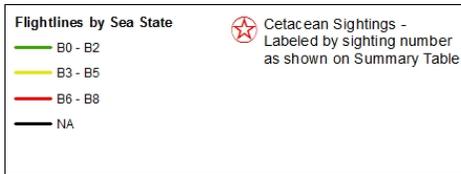
Sightings: Bowhead whales (including 1 dead), 1 beluga, unidentified pinnipeds, small unidentified pinnipeds, and polar bears. Forty-six polar bears were sighted in the vicinity of Kaktovik, and 10 polar bears were sighted on the beach between 22 and 70 km east of Kaktovik. The bowhead whale carcass is a repeat sighting of a carcass previously sighted on 27 August (ASAMM-Beaufort Flight 23) and 8 September (ASAMM-Beaufort Flight 28); the carcass drifted 135 km east since the last sighting on 8 September.

Preliminary Summary, Flight 39 Date: Wednesday, September 21, 2016

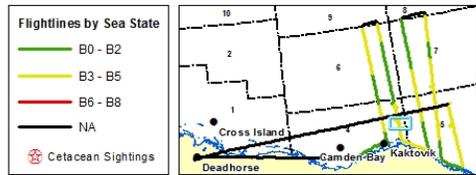
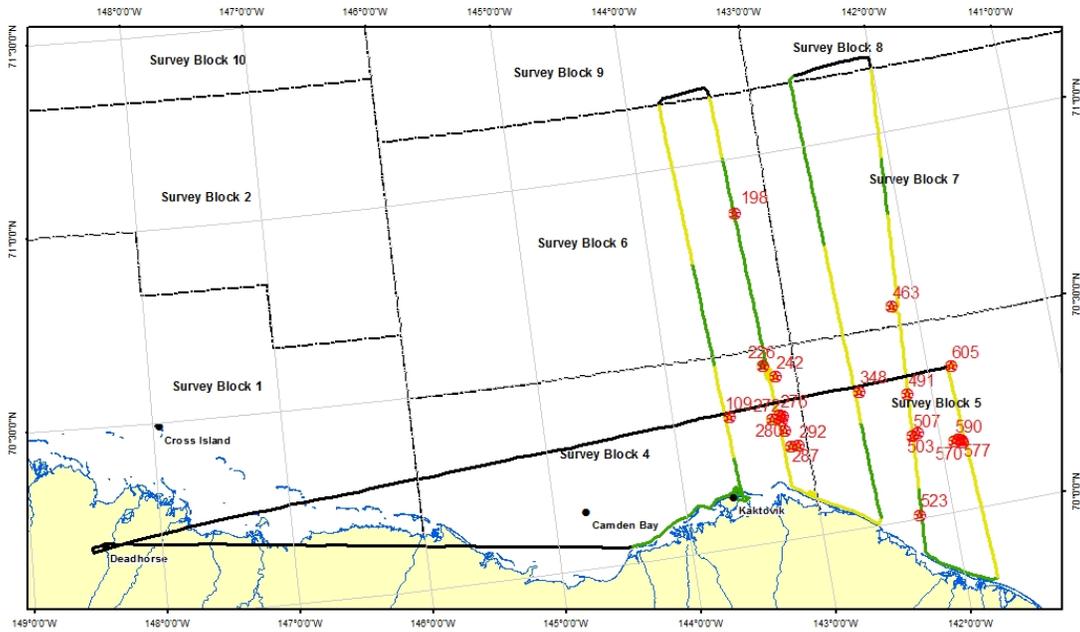
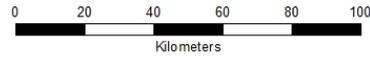
Total bowhead whales: 32	Start time: 9/21/2016 9:33:41 AM	End time: 9/21/2016 2:53:08 PM
Bowhead whale sightings: 21	Transect minutes: 148	Transect km: 552.7
Bowhead whales on transect: 22	Circling minutes: 60	Circling km: 134.6
Bowhead whale cow-calf pairs: 7	Trans+Circ minutes: 208	Trans+Circ km: 687.3
Bowhead whale cow-calf pairs on transect: 6	Search minutes: 26	Search km: 94.1
Bowhead whale repeats: 0	Total minutes: 319	Total km: 1234.4
Possible repeats: 0	Deadhead minutes: 85	Deadhead km: 453
Total gray whales: 0	Search blocks: 4,5,8,9	
Total belugas: 1	Transect blocks: 4,5,6,7	
Other whale sightings: 0		
walrus: no		
Total polar bears: 56		

Cetacean Sightings

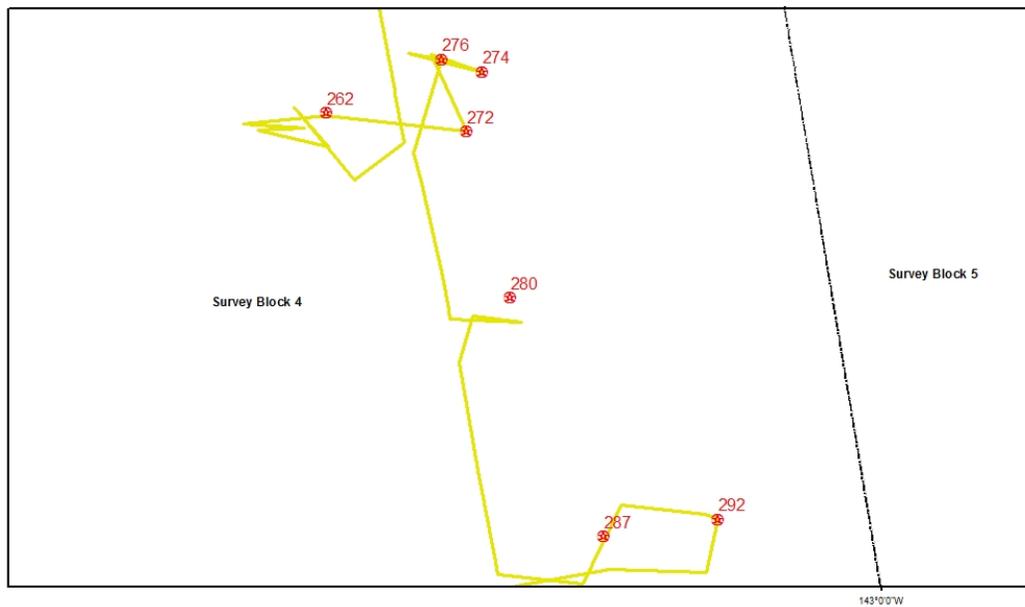
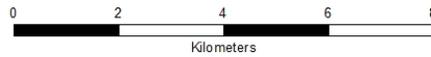
Event	Lat	Long	Block	Species	Total	Calves	Behavior	Swim Direction	On Effort
109	70.34	-143.6	4	bowhead whale	1	0	swim	359	True
198	70.86	-143.28	6	beluga	1	0	rest	-1	True
226	70.46	-143.22	4	bowhead whale	2	1	swim	357	True
242	70.42	-143.21	4	bowhead whale	2	1	swim	265	True
262	70.32	-143.2	4	bowhead whale	3	1	swim	-1	True
272	70.31	-143.17	4	bowhead whale	1	0	swim	-1	False
274	70.32	-143.16	4	bowhead whale	1	0	swim	-1	False
276	70.32	-143.18	4	bowhead whale	2	1	swim	-1	False
280	70.28	-143.19	4	bowhead whale	1	0	swim	-1	True
287	70.24	-143.19	4	bowhead whale	1	0	swim	268	True
292	70.24	-143.08	4	bowhead whale	1	0	swim	-1	False
348	70.35	-142.58	5	bowhead whale	1	0	swim	270	True
463	70.55	-142.14	7	bowhead whale	2	1	swim	125	True
491	70.32	-142.18	5	bowhead whale	1	0	swim	3	True
503	70.22	-142.2	5	bowhead whale	1	0	swim	244	True
507	70.21	-142.2	5	bowhead whale	1	0	swim	-1	False
523	70.01	-142.24	5	bowhead whale	1	0	rest	-1	True
567	70.18	-141.82	5	bowhead whale	5	2	mill	-1	True
570	70.18	-141.84	5	bowhead whale	2	0	swim	-1	False
577	70.17	-141.84	5	bowhead whale	1	0	dive	-1	False
590	70.18	-141.9	5	bowhead whale	1	0	swim	-1	False
605	70.37	-141.85	5	bowhead whale	1	0	dead	-1	True

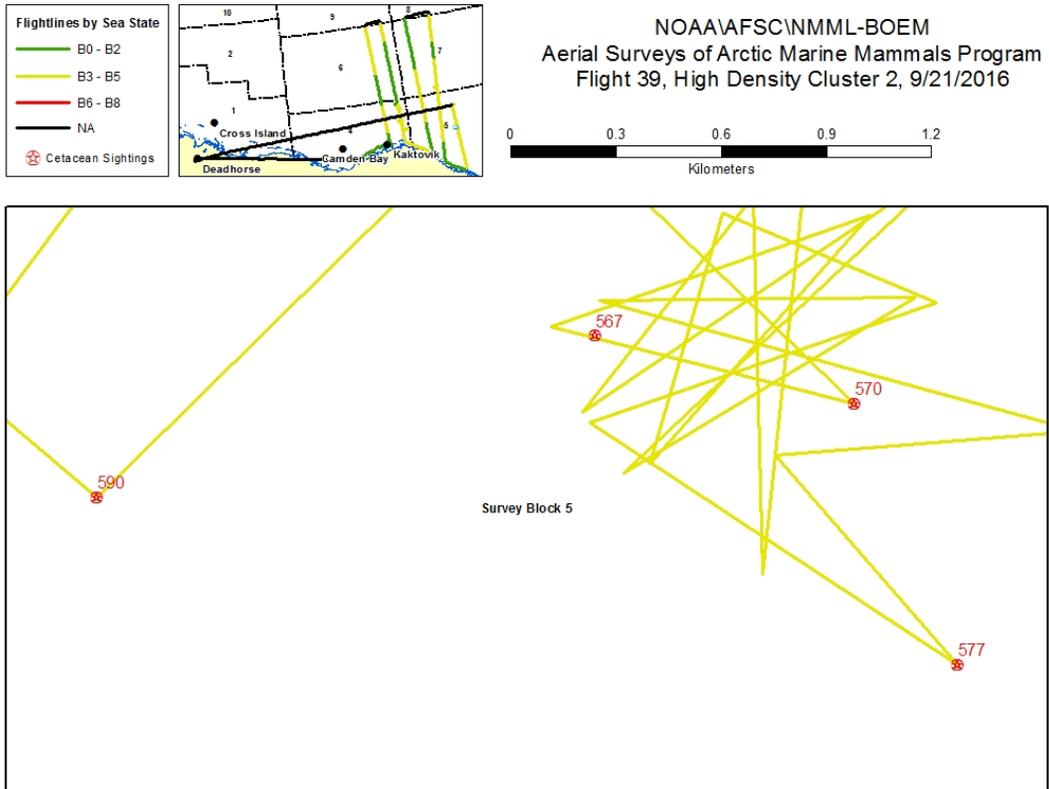


NOAA\AFSC\NMML-BOEM
Aerial Surveys of Arctic Marine Mammals Program
Flight 39, 9/21/2016 9:24:30 AM



NOAA\AFSC\NMML-BOEM
Aerial Surveys of Arctic Marine Mammals Program
Flight 39, High Density Cluster 1, 9/21/2016





Polar bear mother and three cubs sighted on the tundra near Kaktovik, Alaska (event 91), ASAMM-Beaufort Flight 39, 21 September 2016.



Polar bear snuggle pile sighted on the tundra near Kaktovik, Alaska (event 91), ASAMM-Beaufort Flight 39, 21 September 2016.



Bowhead whale cow-calf pair, sighted 37 km northeast of Kaktovik, Alaska (event 242), ASAMM-Beaufort Flight 39, 21 September 2016. The cow is heavily scarred.