ASAMM-Beaufort – Flight 42 – 3 October 2015

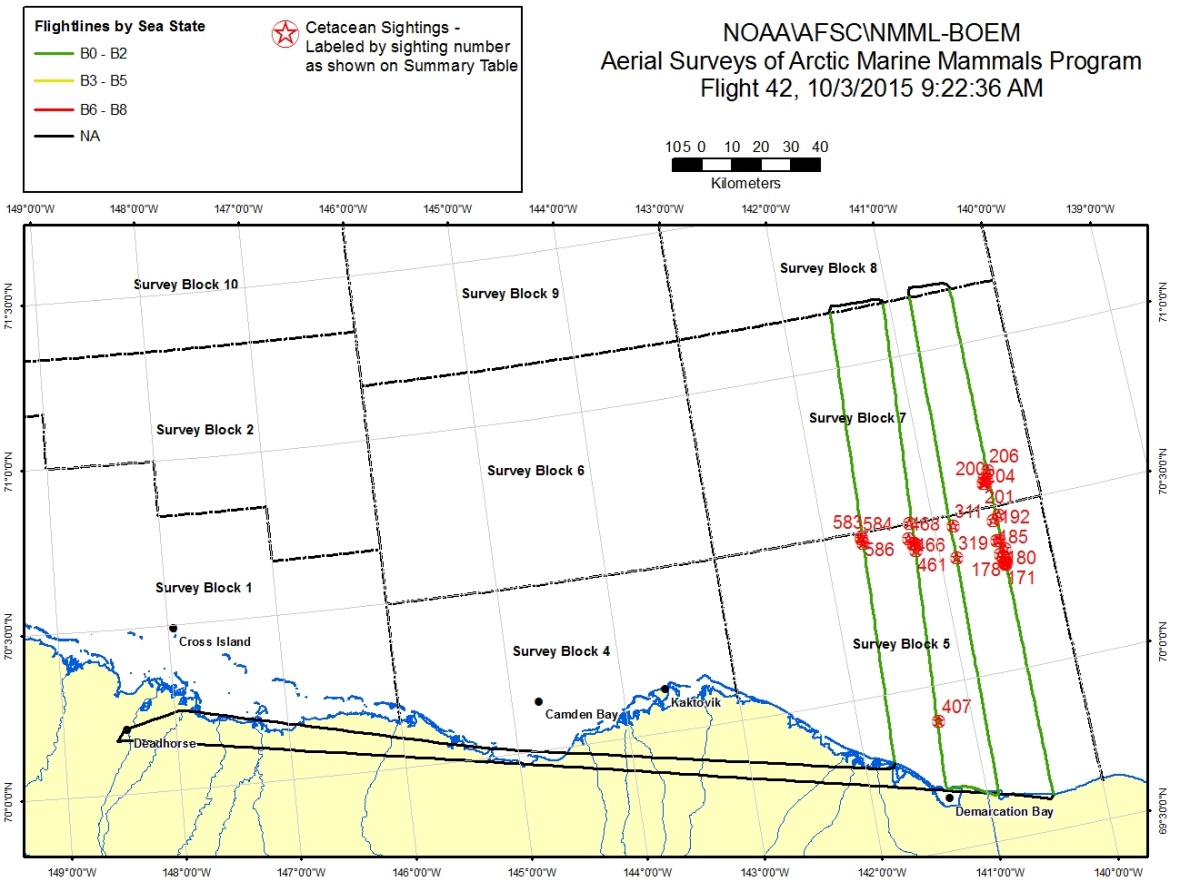
Area flown: Block 5, 4 complete transects; block 7, 4 complete transects.
Total hours flown: 5.0
Total transect hours: 3.0
Number of bowhead whales seen: 2 (1 calf)
Weather and visibility: Skies were partly cloudy to overcast. Sea state ranged from Beaufort 1-2. Visibility varied from 1 km to unlimited, with visual impediments including glare, haze, low ceiling, and precipitation. No sea ice was observed in the area surveyed.
Sightings: Bowhead whales, belugas (including 9 calves), 1 unidentified pinniped, and small unidentified pinnipeds.

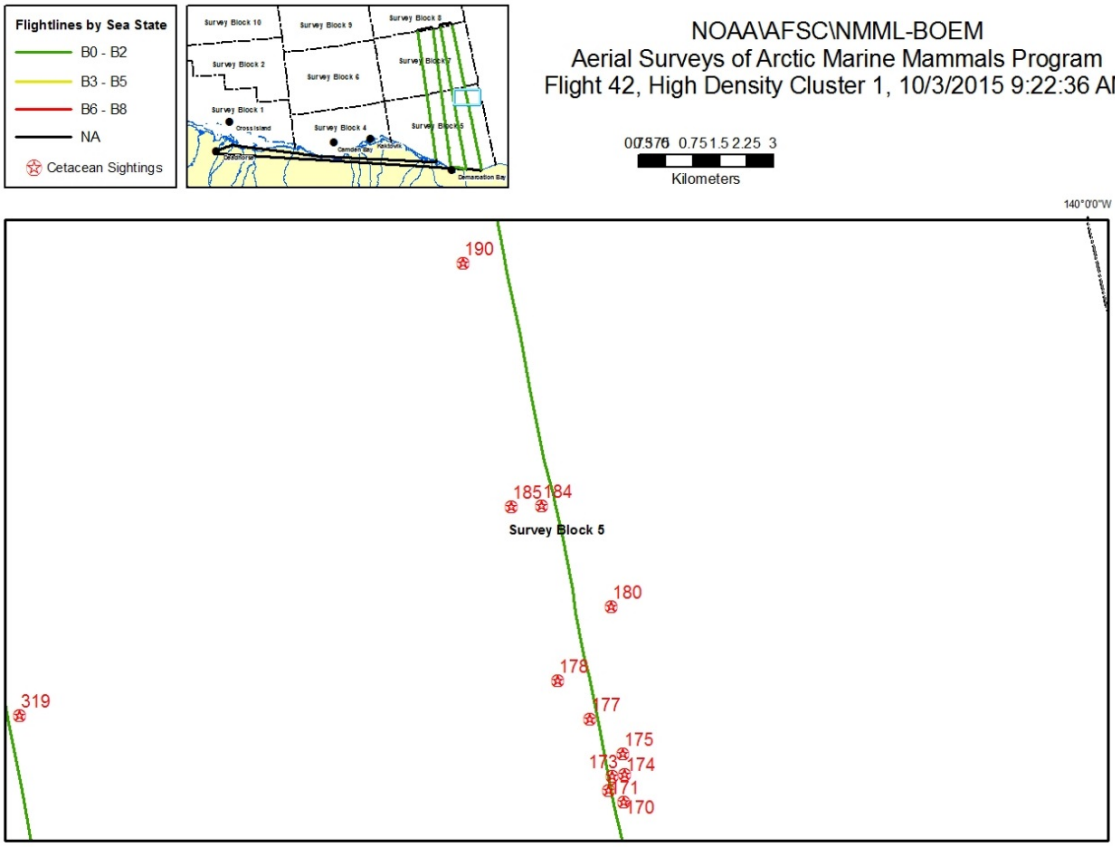
Preliminary Summary, Flight 42 Date: 10/3/2015

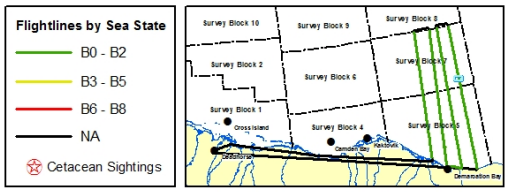
Total bowhead whales: 2	Start time: 10/3/2015 9:31:55 AM	End time: 10/3/2015 2:33:16 PM
Bowhead whale sightings: 1	Transect minutes: 181	Transect km:664.5
Bowhead whales on transect: 2	Circling minutes: 5	Circling km: 10.7
Bowhead whale cow-calf pairs: 1	Trans+Circ minutes: 186	Trans+Circ km: 675.2
Bowhead whale cow-calf pairs on transect: 1	Search minutes: 5	Search km: 19.5
Bowhead whale repeats: 0	Total minutes: 302	Total km: 1318.2
Possible repeats: 0	Deadhead minutes: 111	Deadhead km: 623.5
Total gray whales: 0	Search blocks: 5, 8	
Total belugas: 69	Transect blocks: 5, 7, 8	
Other whale sightings: 0		
Walruses: No		
Total polar bears: 0		

Cetacean Sightings:

Event	Lat	Long	Block	Species	Total	Calves	Behavior	Swim Direction	On Effort
170	70.32	-140.43	5	beluga	5	2	swim	269	True
171	70.32	-140.43	5	beluga	1	0	swim	270	True
173	70.32	-140.43	5	beluga	1	0	swim	301	True
174	70.32	-140.43	5	beluga	3	0	swim	301	True
175	70.33	-140.43	5	beluga	2	0	swim	302	True
177	70.34	-140.43	5	beluga	1	0	swim	301	True
178	70.35	-140.43	5	beluga	3	1	swim	89	True
180	70.36	-140.43	5	beluga	2	0	swim	274	True
184	70.39	-140.43	5	beluga	1	0	swim	299	True
185	70.39	-140.43	5	beluga	1	0	swim	298	True
190	70.46	-140.43	5	beluga	1	0	swim	331	True
192	70.47	-140.43	5	beluga	1	0	swim	272	True
200	70.57	-140.43	7	beluga	1	0	swim	269	True
201	70.57	-140.43	7	beluga	1	0	swim	270	True
202	70.58	-140.43	7	beluga	1	0	swim	240	True
204	70.58	-140.43	7	beluga	1	0	swim	240	True
206	70.61	-140.43	7	beluga	2	1	swim	271	True
311	70.46	-140.85	5	beluga	1	0	swim	271	True
319	70.37	-140.86	5	beluga	1	0	swim	301	True
407	69.89	-141.31	5	bowhead whale	2	1	rest	-1	True
461	70.41	-141.21	5	beluga	1	0	swim	276	True
463	70.43	-141.2	5	beluga	1	0	swim	272	True
464	70.43	-141.2	5	beluga	1	0	swim	272	True
465	70.44	-141.2	5	beluga	1	0	swim	273	True
466	70.44	-141.2	5	beluga	11	0	swim	273	True
468	70.45	-141.2	5	beluga	1	0	swim	274	True
472	70.5	-141.19	5	beluga	1	0	swim	274	True
583	70.48	-141.66	5	beluga	10	1	swim	332	True
584	70.48	-141.66	5	beluga	6	2	swim	334	True
586	70.46	-141.66	5	beluga	6	2	swim	332	True

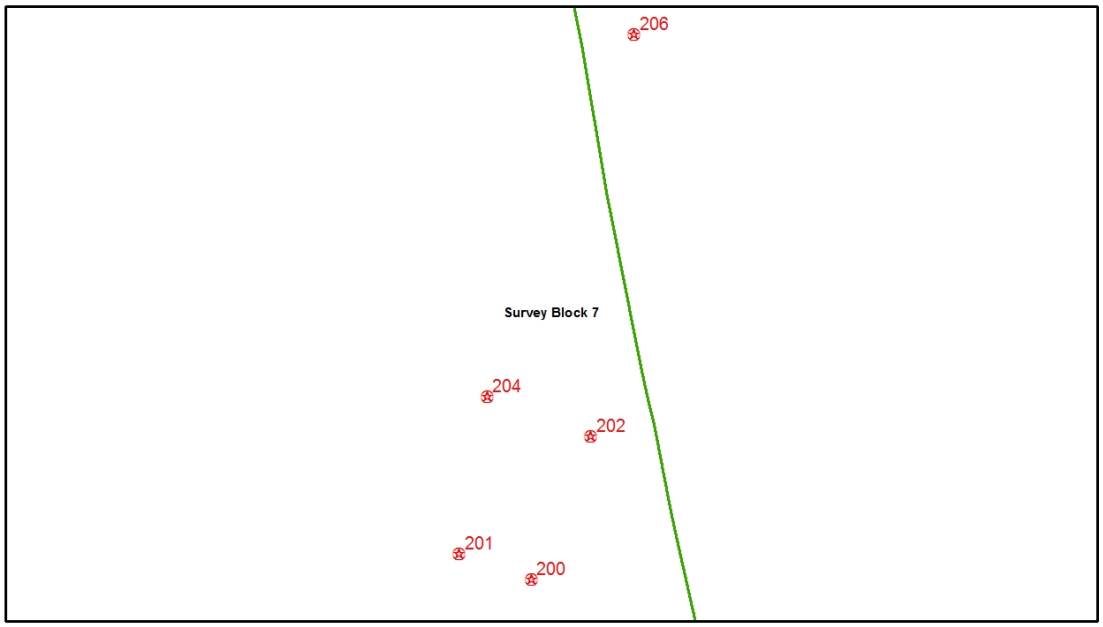

Flightlines by Sea State
B0 - B2
B3 - B5
B6 - B8
NA
Cetacean Sightings - Labeled by sighting number as shown on Summary Table
NOAA\AFSC\NMML-BOEM
Aerial Surveys of Arctic Marine Mammals Program
Flight 42, 10/3/2015 9:22:36 AM
Kilometers
Survey Block 10
Survey Block 9
Survey Block 8
Survey Block 2
Survey Block 6
Survey Block 7
Survey Block 1
Survey Block 4
Survey Block 5
Cross Island
Camden Bay
Kaktovik
Deadhorse
Demarcation Bay

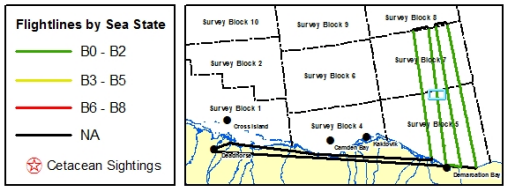

Flightlines by Sea State
B0 - B2
B3 - B5
B6 - B8
NA
Cetacean Sightings
NOAA\AFSC\NMML-BOEM
Aerial Surveys of Arctic Marine Mammals Program
Flight 42, High Density Cluster 1, 10/3/2015 9:22:36 AM
Kilometers
Survey Block 5



NOAA\AFSC\NMML-BOEM
Aerial Surveys of Arctic Marine Mammals Program
Flight 42, High Density Cluster 2, 10/3/2015 9:22:36 AM

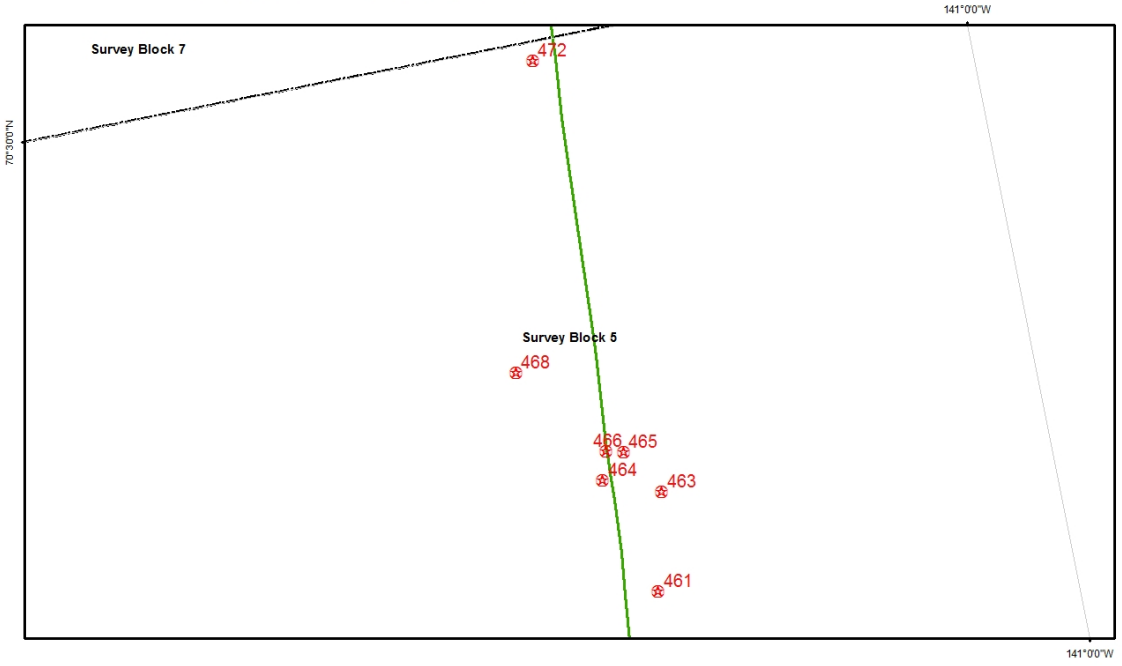
0.0 0.1 0.2 0.4 0.6 0.8
Kilometers





NOAA\AFSC\NMML-BOEM
Aerial Surveys of Arctic Marine Mammals Program
Flight 42, High Density Cluster 3, 10/3/2015 9:22:36 AM

0.0 0.2 0.4 0.8 1.2 1.6
Kilometers



Bowhead whale cow/calf pair sighted resting in the western Alaskan Beaufort Sea, ~90 km east-southeast of Kaktovik (Event 407), ASAMM-Beaufort Flight 42, 3 October 2015.

Team Beaufort after a successful aerial survey of the western Alaskan Beaufort Sea, ASAMM-Beaufort Flight 42, 3 October 2015. L to R: Corey Accardo, Jake Turner, Greg Pfeifer, Cynthia Christman and Lisa Barry.