ASAMM-Beaufort – Flight 34 – 7 October 2014

Area flown: Block 11, three complete, five partial transects; block 1, two partial transects.
Total hours flown: 4.7
Total transect hours: 2.0
Number of bowheads seen: 3 (0 calves)
Weather and visibility: Skies were partly cloudy. Sea state ranged from Beaufort 2-7. Visibility varied from 0 to 10km, with precipitation, low ceilings, glare, haze and fog. Low visibility and high sea state prevented complete survey coverage in blocks 1 and 11. There was no sea ice in the area surveyed.
Sightings: Bowhead whales and belugas (including 5 calves).

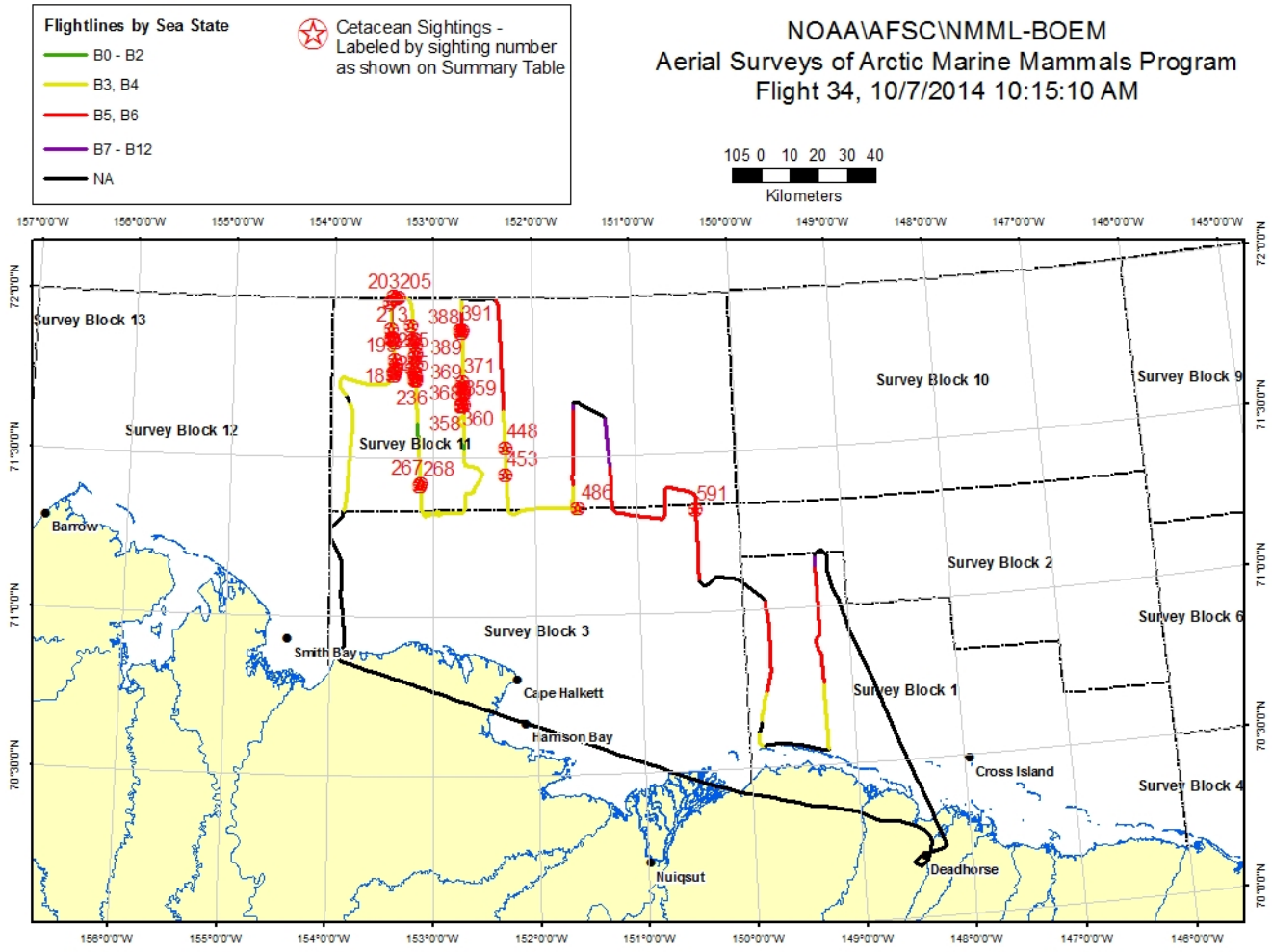
Preliminary Summary, Flight 34 Date: 10/7/2014

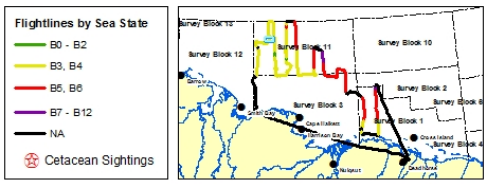
Total bowhead whales: 3	Start time: 10/7/2014 10:21:58 AM	End time: 10/7/2014 3:04:24 PM
Bowhead whale sightings: 3	Transect minutes: 118	Transect km:440.9
Bowhead whales on transect: 2	Circling minutes: 20	Circling km: 41.8
Bowhead whale cow-calf pairs: 0	Trans+Circ minutes: 138	Trans+Circ km: 482.7
Bowhead whale cow-calf pairs on transect: 0	Search minutes: 49	Search km: 180.1
Bowhead whale repeats: 0	Total minutes: 283	Total km: 1162.9
Possible repeats: 0	Deadhead minutes: 96	Deadhead km: 500.1
Total gray whales: 0	Search blocks: 11, 0, 3, 1	
Total belugas: 85	Transect blocks: 3, 11, 1	
Other whale sightings: 0		
Total walrus: 0		
Total polar bears: 0		

Cetacean Sightings:

Event	Lat	Long	Block	Species	Total	Calves	Behavior	Swim Direction	On Effort
172	71.76	-153.4	11	beluga	2	0	swim	-1	False
177	71.77	-153.39	11	beluga	1	0	swim	286	False
178	71.77	-153.38	11	beluga	12	1	mill	-1	False
180	71.78	-153.38	11	beluga	6	1	swim	359	False
181	71.79	-153.38	11	beluga	4	0	mill	-1	False
183	71.81	-153.39	11	beluga	1	0	swim	266	False
187	71.86	-153.4	11	beluga	1	0	swim	118	False
188	71.87	-153.4	11	beluga	2	0	mill	-1	False
189	71.88	-153.4	11	beluga	2	0	mill	-1	False
190	71.88	-153.4	11	beluga	3	0	mill	-1	False
193	71.9	-153.41	11	beluga	1	0	mill	-1	False
199	71.99	-153.41	11	beluga	3	0	swim	212	False
201	72.01	-153.4	0	beluga	1	0	mill	-1	False
203	72	-153.36	0	beluga	1	0	mill	-1	False
205	72	-153.34	0	beluga	1	0	mill	-1	False
213	71.92	-153.2	11	beluga	1	0	mill	-1	True
218	71.87	-153.2	11	beluga	2	0	swim	266	True
219	71.87	-153.2	11	beluga	2	0	swim	175	True
221	71.86	-153.19	11	beluga	2	1	rest	-1	True
224	71.83	-153.19	11	beluga	2	0	swim	236	True
225	71.82	-153.19	11	beluga	1	0	swim	266	True
227	71.79	-153.18	11	beluga	2	1	swim	118	True
229	71.78	-153.18	11	beluga	1	0	swim	148	True
231	71.77	-153.18	11	beluga	1	0	rest	-1	True
232	71.77	-153.18	11	beluga	1	0	mill	-1	True
234	71.75	-153.18	11	beluga	2	0	swim	357	True
235	71.75	-153.18	11	beluga	1	0	swim	59	True
236	71.74	-153.18	11	beluga	1	0	swim	268	True
267	71.42	-153.13	11	bowhead whale	1	0	swim	237	True
268	71.41	-153.13	11	bowhead whale	1	0	swim	327	True

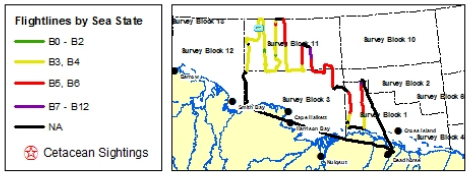
358	71.66	-152.7	11	beluga	2	0	mill	-1	True
359	71.67	-152.7	11	beluga	1	0	rest	-1	True
360	71.67	-152.7	11	beluga	2	0	mill	-1	True
364	71.7	-152.7	11	beluga	2	1	rest	-1	True
365	71.7	-152.7	11	beluga	1	0	swim	2	True
367	71.71	-152.7	11	beluga	1	0	mill	-1	True
368	71.72	-152.7	11	beluga	1	0	swim	92	True
369	71.72	-152.7	11	beluga	1	0	swim	212	True
371	71.74	-152.7	11	beluga	1	0	swim	209	True
388	71.89	-152.7	11	beluga	1	0	rest	-1	True
389	71.9	-152.71	11	beluga	1	0	rest	-1	True
391	71.9	-152.71	11	beluga	8	0	swim	208	True
448	71.53	-152.28	11	beluga	1	0	swim	357	True
453	71.45	-152.27	11	beluga	1	0	swim	268	True
486	71.34	-151.58	11	bowhead whale	1	0	swim	100	False
591	71.32	-150.42	3	beluga	1	0	swim	116	True





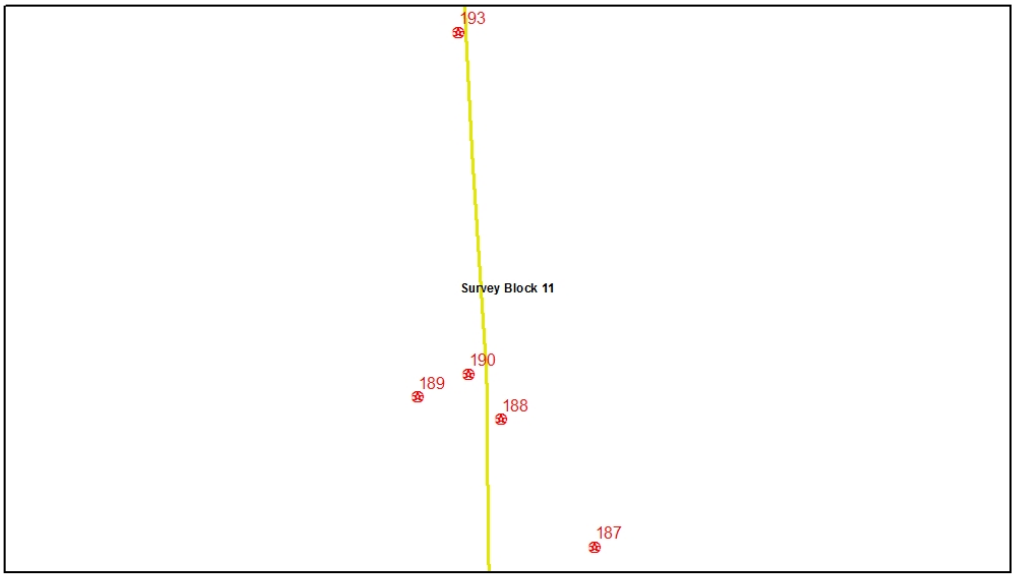
NOAA\AFSC\NMML-BOEM
Aerial Surveys of Arctic Marine Mammals Program
Flight 34, High Density Cluster 1, 10/7/2014 10:15:10 AM

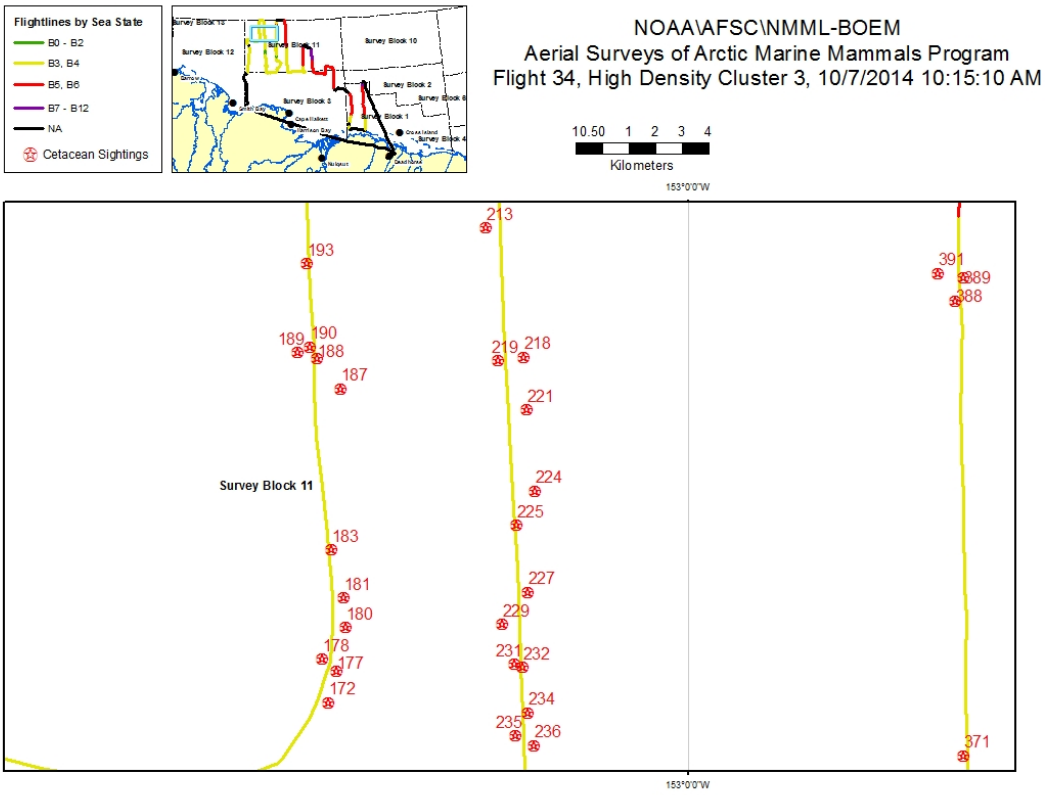
0.0 0.15 0.3 0.6 0.9 1.2
Kilometers

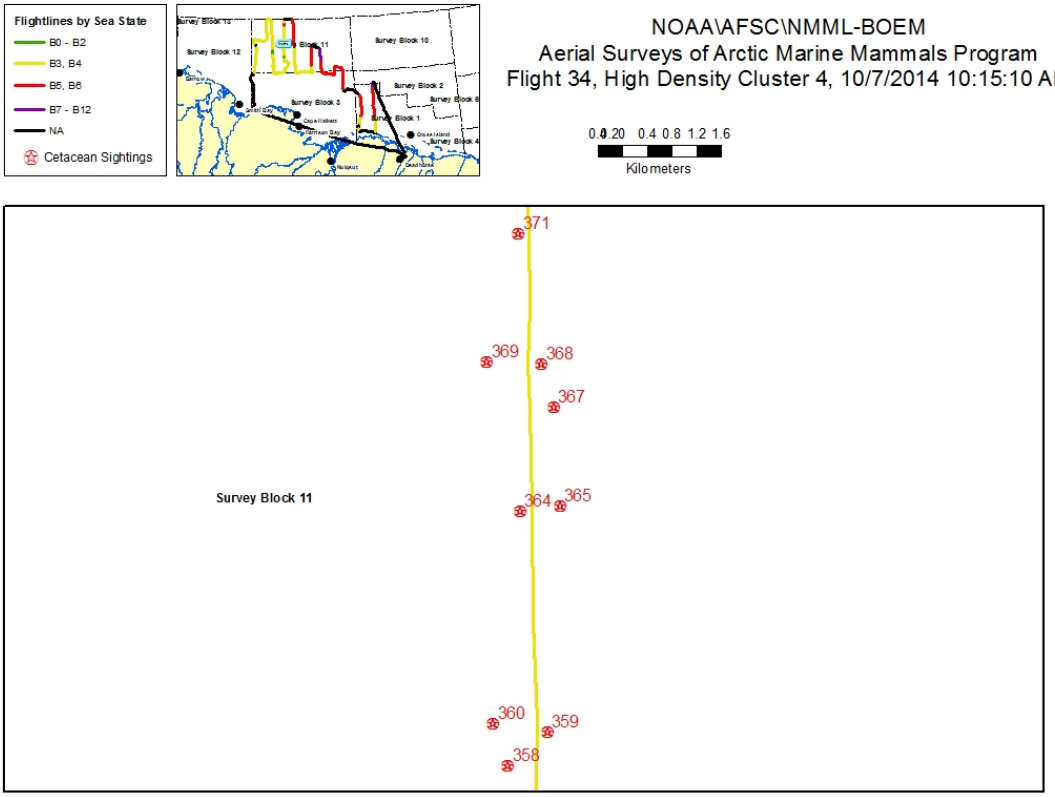


NOAA\AFSC\NMML-BOEM
Aerial Surveys of Arctic Marine Mammals Program
Flight 34, High Density Cluster 2, 10/7/2014 10:15:10 AM

0.0 0.125 0.25 0.5 0.75 1
Kilometers







Polar Bear and Walrus Sightings: None.