ASAMM-Beaufort – Flight 13 – 20 August 2014

Area flown: Block 12, four complete transects and 2 partial transects
Total hours flown: 7.0 (2 flights)
Total transect hours: 1.6
Number of bowheads seen: 8 (0 calves)
Weather and visibility: Skies were partly cloudy. Sea state ranged from Beaufort 2-4. Visibility varied from 0 to 10 km, with glare, fog, and low ceilings. There was no sea ice in the area surveyed.
Sightings: Bowhead whales, one gray whale, belugas (including 14 calves), unidentified cetaceans, and small unidentified pinnipeds.

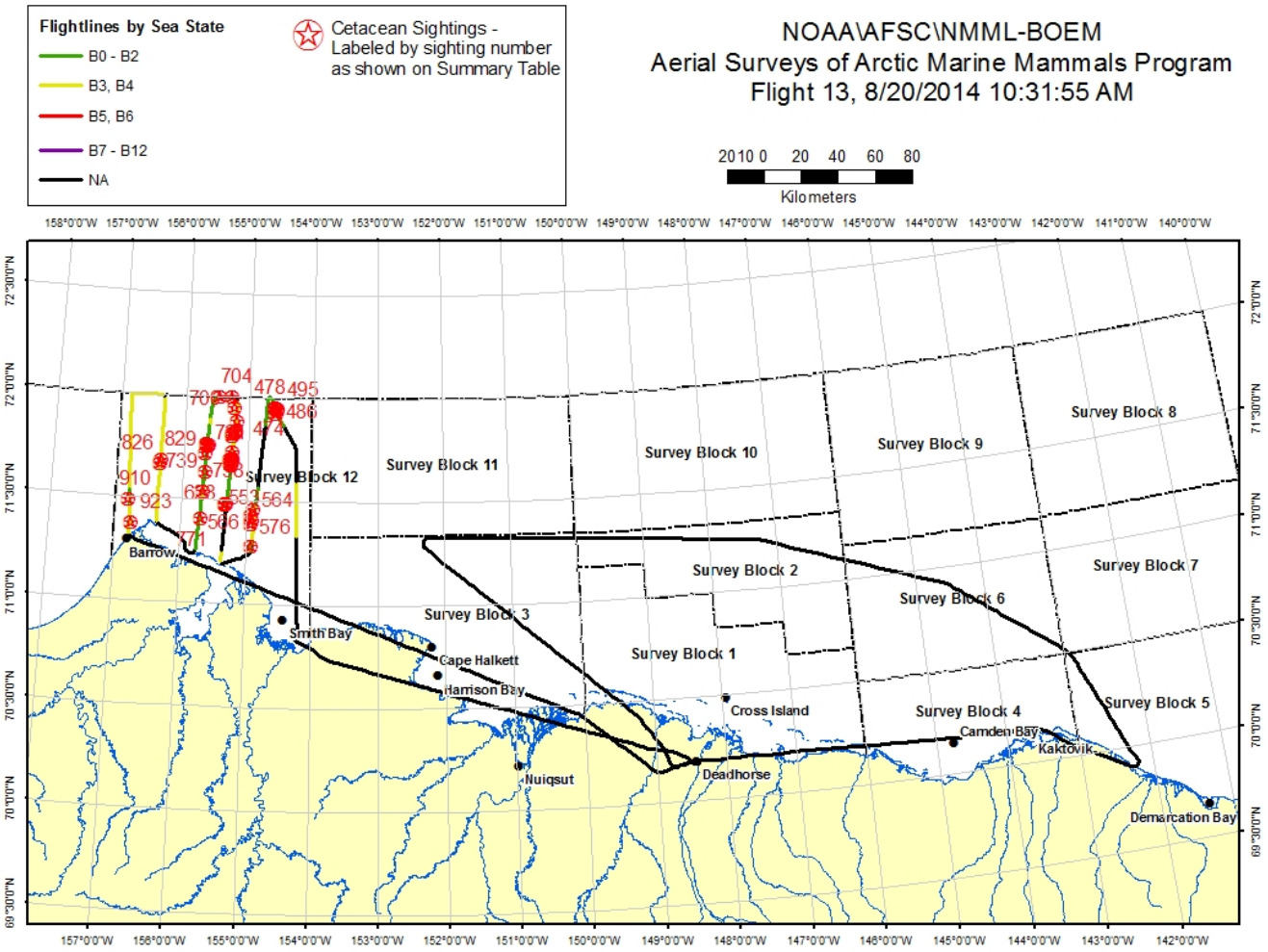
Preliminary Summary, Flight 13 Date: 8/20/2014

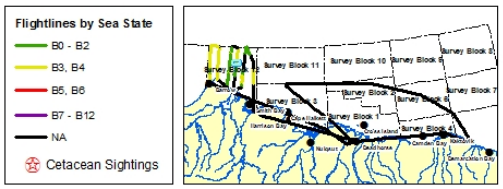
Total bowhead whales: 8	Start time: 8/20/2014 10:37:41 AM	End time: 8/20/2014 6:57:16 PM
Bowhead whale sightings: 6	Transect minutes: 92	Transect km:106.4
Bowhead whales on transect: 6	Circling minutes: 32	Circling km: 43.6
Bowhead whale cow-calf pairs: 0	Trans+Circ minutes: 124	Trans+Circ km: 150
Bowhead whale cow-calf pairs on transect: 0	Search minutes: 17	Search km: 17.2
Bowhead whale repeats: 0	Total minutes: 421	Total km: 1436.9
Possible repeats: 0	Deadhead minutes: 279	Deadhead km: 1269.7
Total gray whales: 1	Search blocks: 12, 0	
Total belugas: 113	Transect blocks: 12, 0	
Other whale sightings: 2		
Total walrus: 0		
Total polar bears: 0		

Cetacean Sightings:

Event	Lat	Long	Block	Species	Total	Calves	Behavior	Swim Direction	On Effort
470	71.93	-154.56	12	beluga	1	0	rest	-1	False
472	71.95	-154.58	12	beluga	1	0	rest	-1	False
473	71.95	-154.59	12	beluga	1	0	rest	-1	False
474	71.96	-154.59	12	unid cetacean	1	0	dive	-1	False
478	71.95	-154.6	12	beluga	1	0	swim	-1	False
486	71.92	-154.58	12	beluga	13	0	rest	-1	False
495	71.94	-154.57	12	beluga	5	3	rest	-1	False
543	71.46	-154.87	12	bowhead whale	1	0	swim	277	True
553	71.43	-154.88	12	bowhead whale	2	0	swim	-1	True
564	71.41	-154.88	12	beluga	1	0	swim	184	True
566	71.39	-154.89	12	beluga	1	0	swim	-1	True
576	71.28	-154.91	12	unid cetacean	1	0	rest	-1	True
622	71.48	-155.3	12	bowhead whale	1	0	swim	-1	True
623	71.48	-155.3	12	bowhead whale	1	0	swim	-1	False
628	71.48	-155.34	12	bowhead whale	1	0	swim	-1	False
657	71.67	-155.26	12	beluga	5	0	rest	-1	True
659	71.68	-155.26	12	beluga	9	0	rest	-1	True
660	71.68	-155.26	12	beluga	4	0	rest	-1	True
661	71.68	-155.26	12	beluga	15	3	rest	-1	True
663	71.69	-155.26	12	beluga	4	0	rest	-1	True
664	71.69	-155.26	12	beluga	12	0	rest	-1	True
665	71.7	-155.26	12	beluga	20	2	rest	-1	True
666	71.7	-155.26	12	beluga	6	0	rest	-1	True
667	71.7	-155.26	12	beluga	2	0	rest	-1	True
670	71.74	-155.25	12	beluga	8	0	swim	91	True
675	71.81	-155.23	12	beluga	2	0	rest	-1	True
678	71.82	-155.23	12	beluga	1	0	rest	-1	True
679	71.83	-155.23	12	beluga	11	3	rest	-1	True
680	71.83	-155.22	12	beluga	5	1	rest	-1	True
682	71.84	-155.22	12	beluga	4	0	rest	-1	True
686	71.88	-155.21	12	beluga	1	0	swim	63	True
692	71.95	-155.19	12	beluga	2	0	rest	-1	True
700	72	-155.29	0	beluga	2	0	rest	-1	False
704	72	-155.47	0	beluga	8	1	rest	180	False
723	71.77	-155.63	12	beluga	9	0	swim	93	True

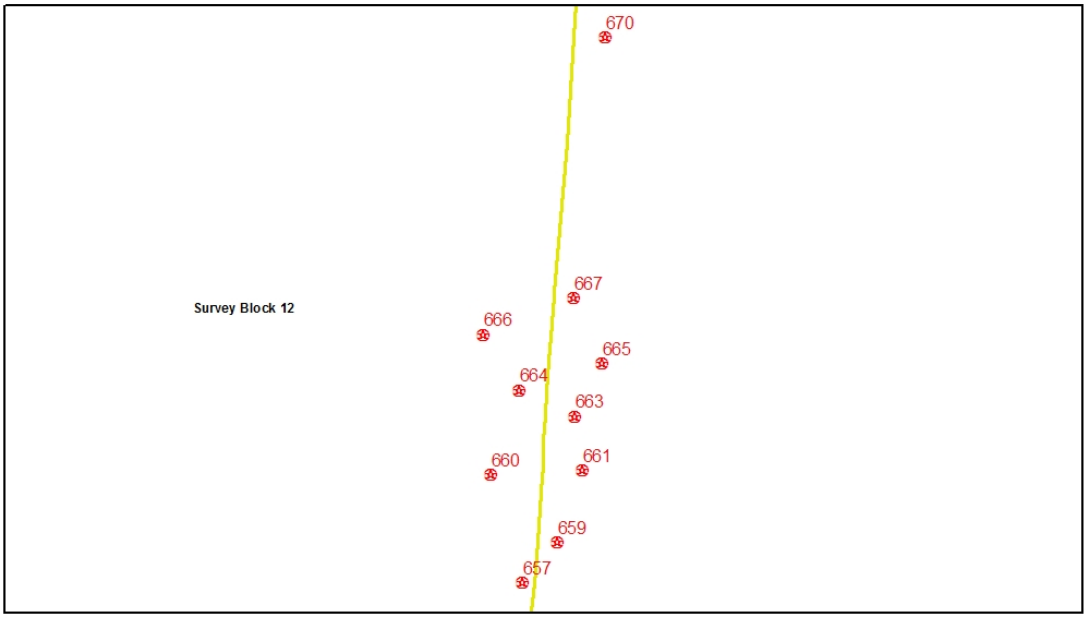
725	71.77	-155.64	12	beluga	2	0	rest	-1	True
727	71.76	-155.64	12	beluga	12	1	swim	91	True
728	71.76	-155.64	12	beluga	9	0	rest	-1	True
731	71.72	-155.64	12	beluga	2	0	swim	94	True
739	71.64	-155.67	12	bowhead whale	2	0	swim	-1	True
758	71.54	-155.69	12	beluga	2	0	rest	-1	True
771	71.4	-155.71	12	beluga	1	0	spy hop	124	True
826	71.66	-156.35	12	beluga	2	0	rest	-1	True
829	71.68	-156.34	12	beluga	2	0	swim	60	True
910	71.48	-156.79	12	beluga	1	0	swim	358	True
923	71.37	-156.77	12	gray whale	1	0	feed	-1	True

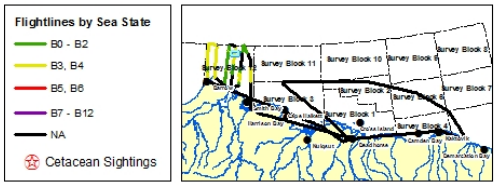




NOAA\AFSC\NMML-BOEM
Aerial Surveys of Arctic Marine Mammals Program
Flight 13, High Density Cluster 1, 8/20/2014 10:31:55 AM

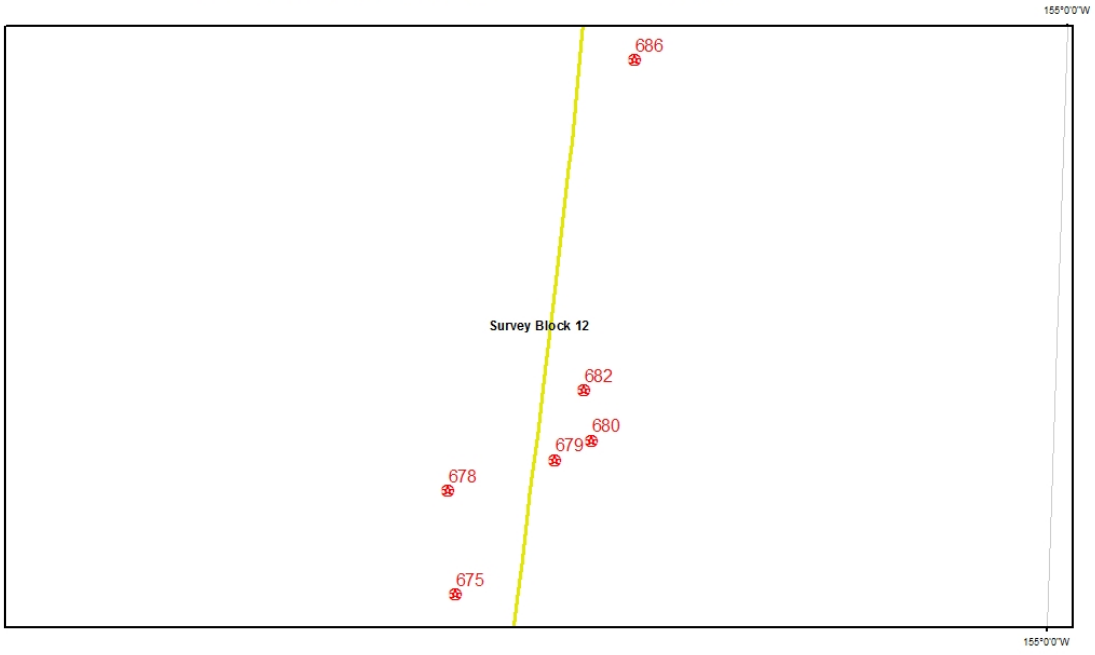
0.4 0.20 0.4 0.8 1.2 1.6
Kilometers

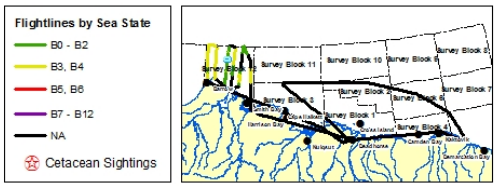




NOAA\AFSC\NMML-BOEM
Aerial Surveys of Arctic Marine Mammals Program
Flight 13, High Density Cluster 2, 8/20/2014 10:31:55 AM

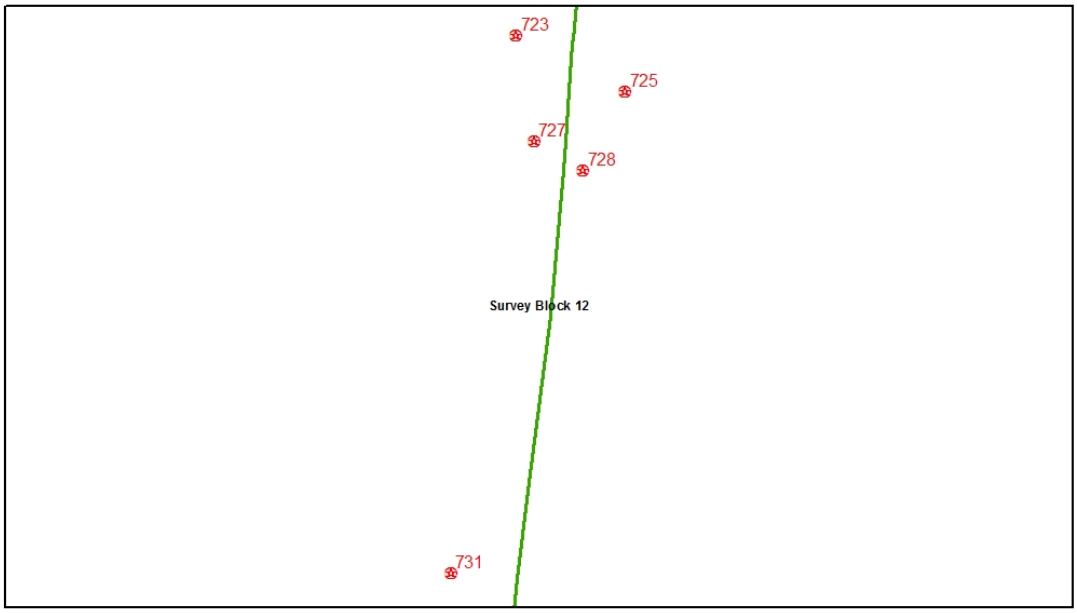
0.6 0.250 0.5 1 1.5 2
Kilometers

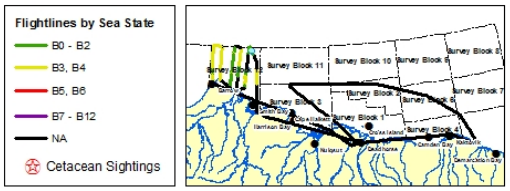




NOAA\AFSC\NMML-BOEM
Aerial Surveys of Arctic Marine Mammals Program
Flight 13, High Density Cluster 3, 8/20/2014 10:31:55 AM

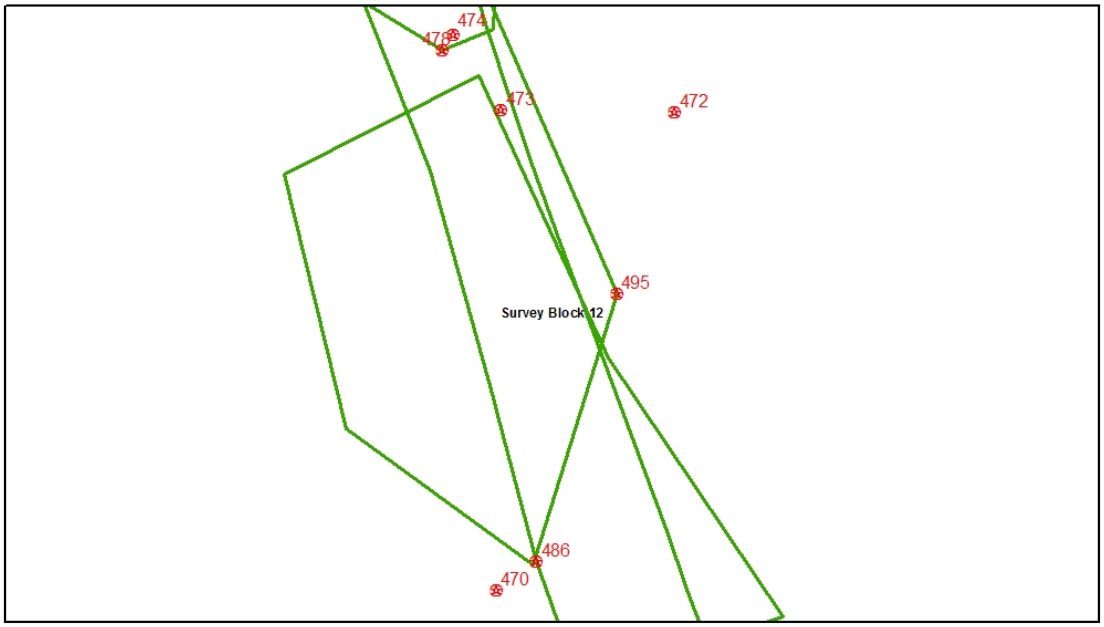
0.0 0.15 0.3 0.6 0.9 1.2
Kilometers

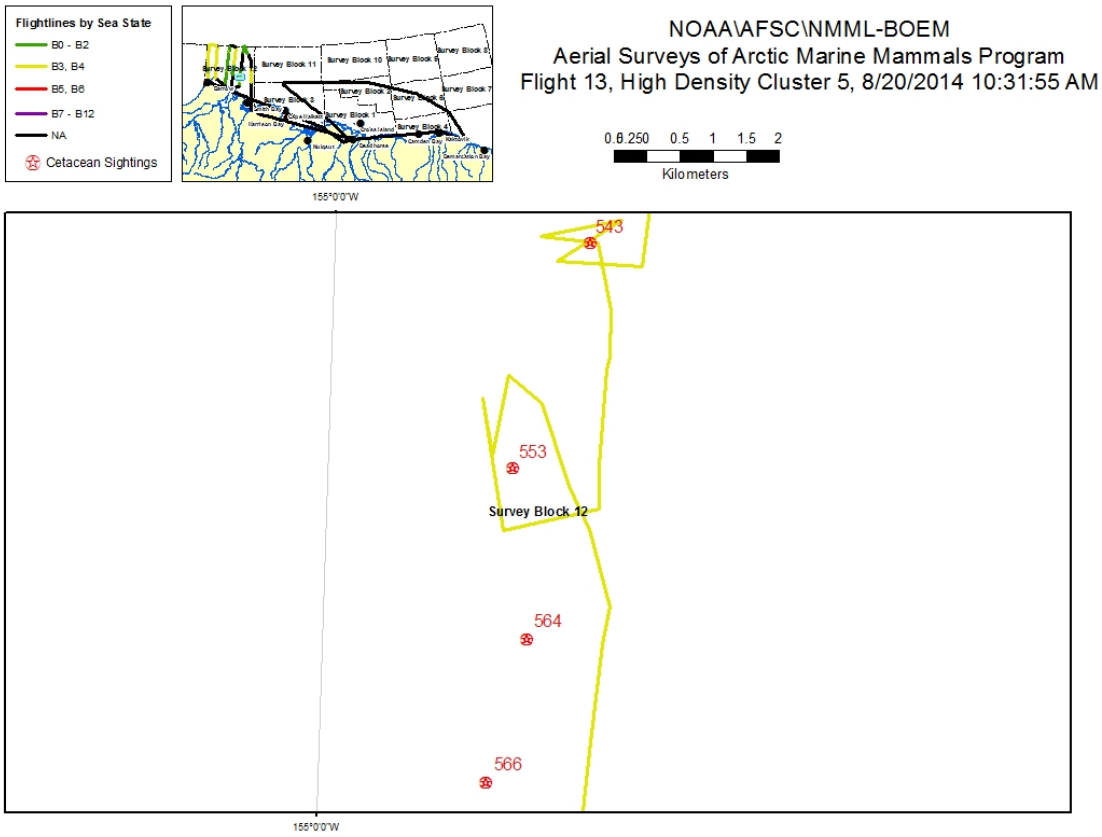




NOAA\AFSC\NMML-BOEM
Aerial Surveys of Arctic Marine Mammals Program
Flight 13, High Density Cluster 4, 8/20/2014 10:31:55 AM

0.2 0.10 0.2 0.4 0.6 0.8
Kilometers





Walrus and Polar Bear Sightings: None