ASAMM-Beaufort – Flight 21 – 26 August 2015

Area flown: Block 4, 6 complete transects; block 6, 7 partial transects.
Total hours flown: 6.1 (2 flights)
Total transect hours: 2.6
Number of bowhead whales seen: 8 (0 calves)
Weather and visibility: Skies were partly cloudy to overcast. Sea state ranged from Beaufort 1 to 3. Visibility varied from 0 km to unlimited, with fog, low ceilings, precipitation, and glare. There was no sea ice in the area surveyed. Fog, low ceilings, and precipitation reduced visibility in portions of blocks 4 and 6 and prevented coverage of block 6 during the first flight.
Sightings: Bowhead whales, belugas, and small unidentified pinnipeds.

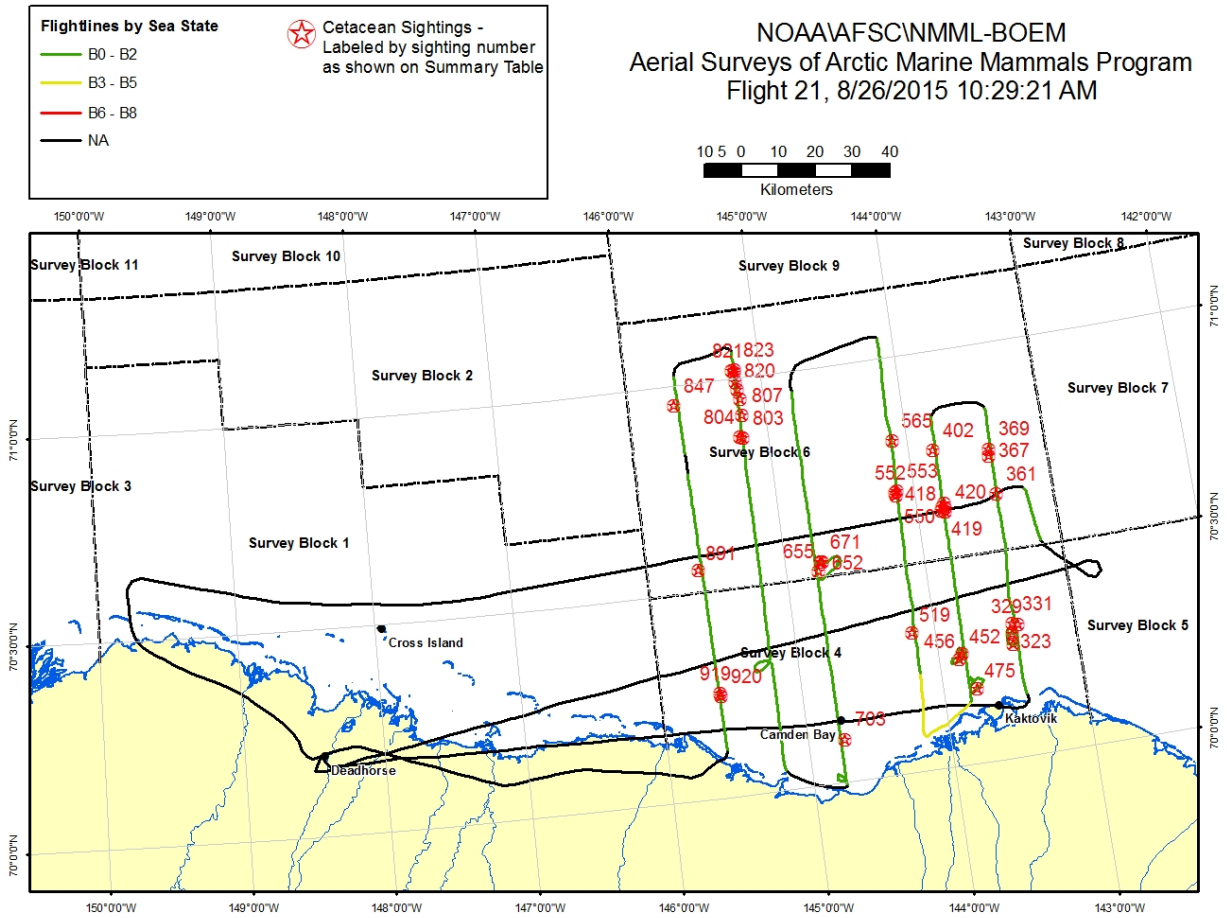
Preliminary Summary, Flight 21 Date: 8/26/2015

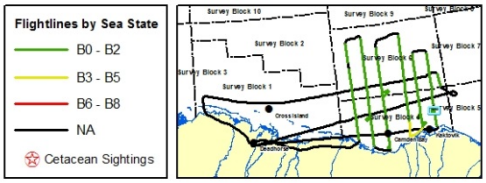
Total bowhead whales: 8	Start time: 8/26/2015 10:35:53 AM	End time: 8/26/2015 6:14:47 PM
Bowhead whale sightings: 8	Transect minutes: 155	Transect km:592.3
Bowhead whales on transect: 6	Circling minutes: 30	Circling km: 92.7
Bowhead whale cow-calf pairs: 0	Trans+Circ minutes: 185	Trans+Circ km: 685
Bowhead whale cow-calf pairs on transect: 0	Search minutes: 5	Search km: 20.1
Bowhead whale repeats: 0	Total minutes: 363	Total km: 1671.4
Possible repeats: 0	Deadhead minutes: 173	Deadhead km: 966.3
Total gray whales: 0	Search blocks: 6, 4	
Total belugas: 70	Transect blocks: 6, 4	
Other whale sightings: 0		
Walruses: No		
Total polar bears: 0		

Cetacean Sightings:

Event	Lat	Long	Block	Species	Total	Calves	Behavior	Swim Direction	On Effort
309	70.3	-143.42	4	bowhead whale	1	0	swim	270	True
323	70.27	-143.46	4	bowhead whale	1	0	rest	-1	False
329	70.32	-143.43	4	bowhead whale	1	0	swim	302	True
331	70.32	-143.43	4	beluga	2	0	swim	301	True
361	70.63	-143.41	6	beluga	2	1	swim	271	True
367	70.73	-143.4	6	beluga	1	0	swim	271	True
369	70.74	-143.4	6	beluga	1	0	rest	-1	True
402	70.76	-143.8	6	beluga	1	0	swim	301	True
414	70.63	-143.81	6	beluga	2	0	swim	360	True
417	70.62	-143.81	6	beluga	1	0	swim	330	True
418	70.62	-143.81	6	beluga	1	0	swim	360	True
419	70.61	-143.81	6	beluga	1	0	swim	331	True
420	70.61	-143.81	6	beluga	1	0	swim	330	True
452	70.27	-143.82	4	bowhead whale	1	0	swim	271	True
456	70.26	-143.86	4	bowhead whale	1	0	swim	-1	False
475	70.18	-143.82	4	bowhead whale	1	0	swim	274	True
519	70.33	-144.14	4	bowhead whale	1	0	swim	273	True
550	70.67	-144.13	6	beluga	1	0	swim	271	True
552	70.67	-144.13	6	beluga	2	0	mill	-1	True
553	70.68	-144.13	6	beluga	1	0	swim	121	True
565	70.8	-144.11	6	beluga	1	0	swim	300	True
652	70.53	-144.79	6	beluga	24	0	swim	1	True
655	70.51	-144.78	6	beluga	1	0	swim	360	True
671	70.53	-144.74	6	beluga	12	0	swim	-1	False
703	70.1	-144.77	4	beluga	2	0	swim	30	True
803	70.85	-145.19	6	beluga	1	0	swim	179	True
804	70.86	-145.19	6	beluga	1	0	swim	92	True
807	70.91	-145.19	6	beluga	1	0	swim	210	True
812	70.95	-145.19	6	beluga	1	0	swim	210	True
815	70.97	-145.19	6	beluga	1	0	swim	148	True

817	70.99	-145.19	6	beluga	2	0	swim	359	True
820	71.01	-145.19	6	beluga	1	0	swim	360	True
821	71.02	-145.19	6	beluga	1	0	swim	332	True
823	71.02	-145.19	6	beluga	1	0	swim	2	True
847	70.95	-145.64	6	beluga	1	0	swim	360	True
891	70.55	-145.61	6	bowhead whale	1	0	swim	59	True
919	70.25	-145.59	4	beluga	1	0	swim	358	True
920	70.24	-145.59	4	beluga	1	0	dive	-1	True





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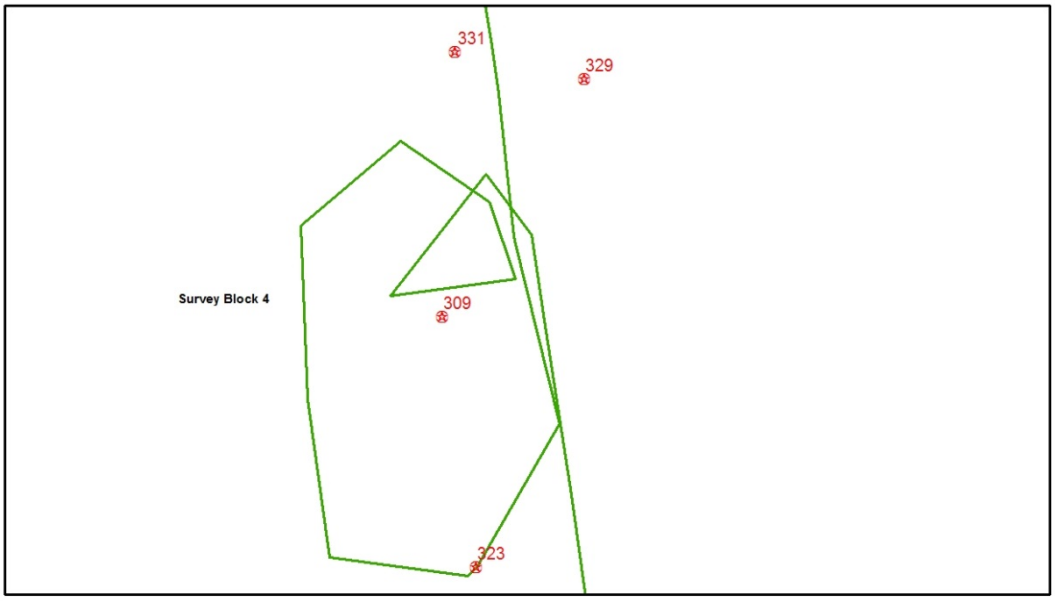
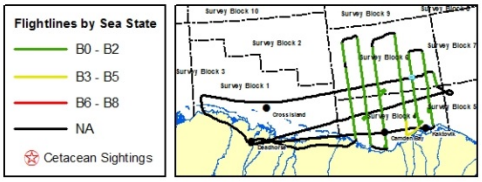
Aerial Surveys of Arctic Marine Mammals Program
Flight 21, High Density Cluster 1, 8/26/2015 10:29:21 AM

0 0.125 0.25 0.5 0.75 1
Kilometers





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Aerial Surveys of Arctic Marine Mammals Program
Flight 21, High Density Cluster 2, 8/26/2015 10:29:21 AM

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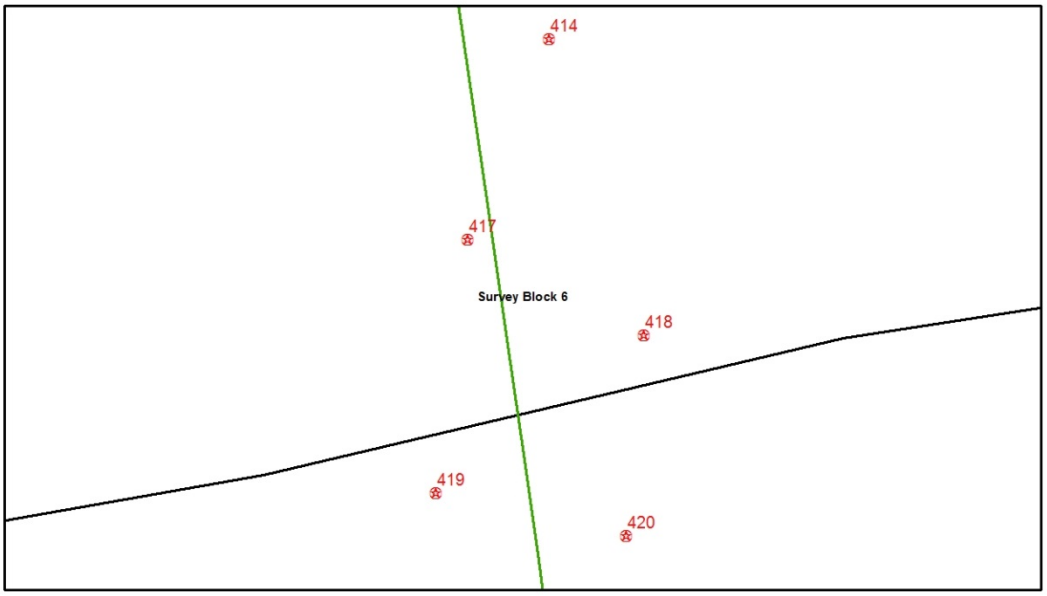
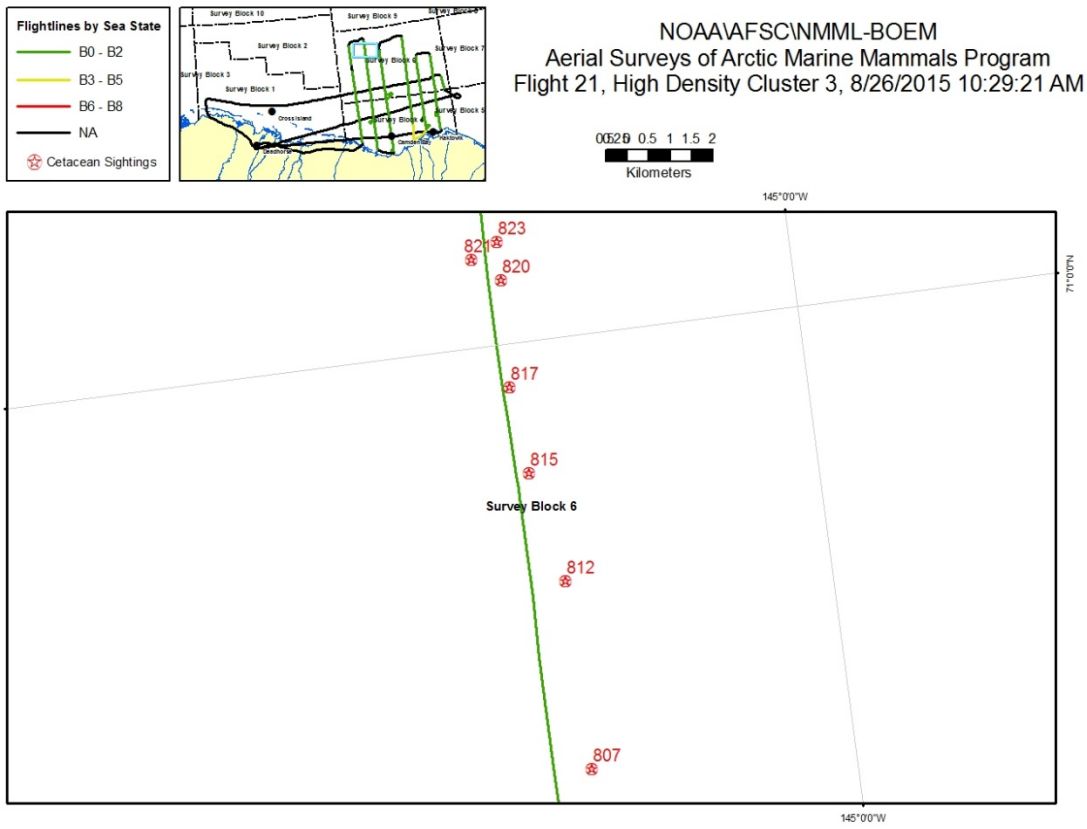
Kilometers




Flightlines by Sea State
B0 - B2
B3 - B5
B6 - B8
NA
Cetacean Sightings
Survey Block 10
Survey Block 9
Survey Block 8
Survey Block 2
Survey Block 7
Survey Block 3
Survey Block 1
Survey Block 6
Survey Block 5
Cross Island
Barrow
Wainwright
NOAA\AFSC\NMML-BOEM
Aerial Surveys of Arctic Marine Mammals Program
Flight 21, High Density Cluster 3, 8/26/2015 10:29:21 AM
0 0.25 0.5 1 1.5 2
Kilometers
145°0'0"W
71°0'0"N
823
821
820
817
815
Survey Block 6
812
807