ASAMM-Chukchi – Flight 251 – 14 October 2015

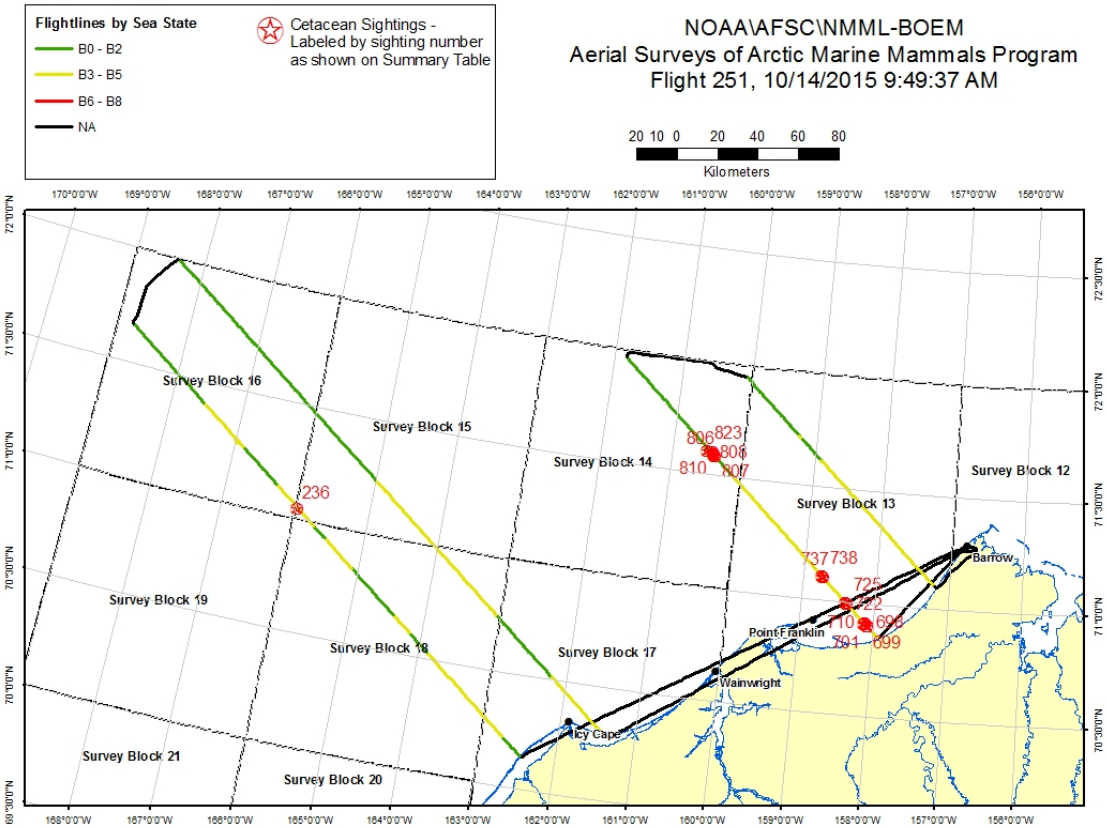
Area flown: Transects 4, 6, 13, and 15, complete.
Total hours flown: 6.8
Total transect hours: 4.3
Number of bowhead whales seen: 10 (1 calf)
Weather and visibility: Skies were overcast to partly cloudy. Sea state ranged from Beaufort 2 to 5. Visibility ranged from 0 km to unlimited, with visual impediments including precipitation, low ceilings, glare, and ice on window. Sea ice in the area ranged from 0 to 30% new grease ice. Low ceilings and low light prevented additional surveying.
Sightings: Bowhead whales, 1 gray whale, belugas (including 1 calf), walruses, unidentified pinnipeds, small unidentified pinnipeds, and 1 dead unidentified marine mammal.

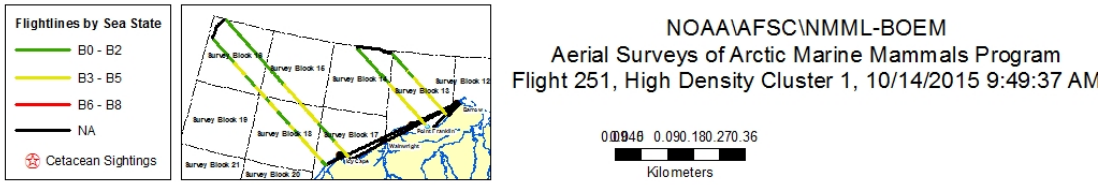
Preliminary Summary, Flight 251 Date: 10/14/2015

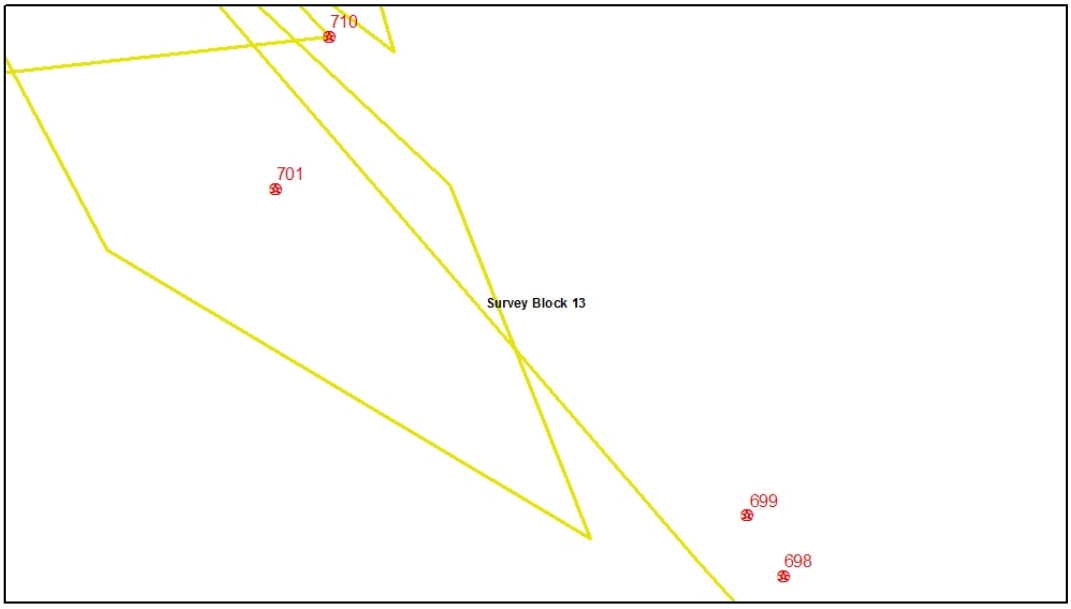
Total bowhead whales: 10	Start time: 10/14/2015 10:01:13 AM	End time: 10/14/2015 6:02:00 PM
Bowhead whale sightings: 9	Transect minutes: 257	Transect km:920.5
Bowhead whales on transect: 7	Circling minutes: 19	Circling km: 54.4
Bowhead whale cow-calf pairs: 1	Trans+Circ minutes: 276	Trans+Circ km: 974.9
Bowhead whale cow-calf pairs on transect: 1	Search minutes: 1	Search km: 1.2
Bowhead whale repeats: 0	Total minutes: 408	Total km: 1635.2
Possible repeats: 0	Deadhead minutes: 131	Deadhead km: 659.1
Total gray whales: 1	Search blocks: 16, 17, 14, 13	
Total belugas: 6	Transect blocks: 17, 18, 15, 16, 13, 14	
Other whale sightings: 0		
Walruses: Yes		
Total polar bears: 0		

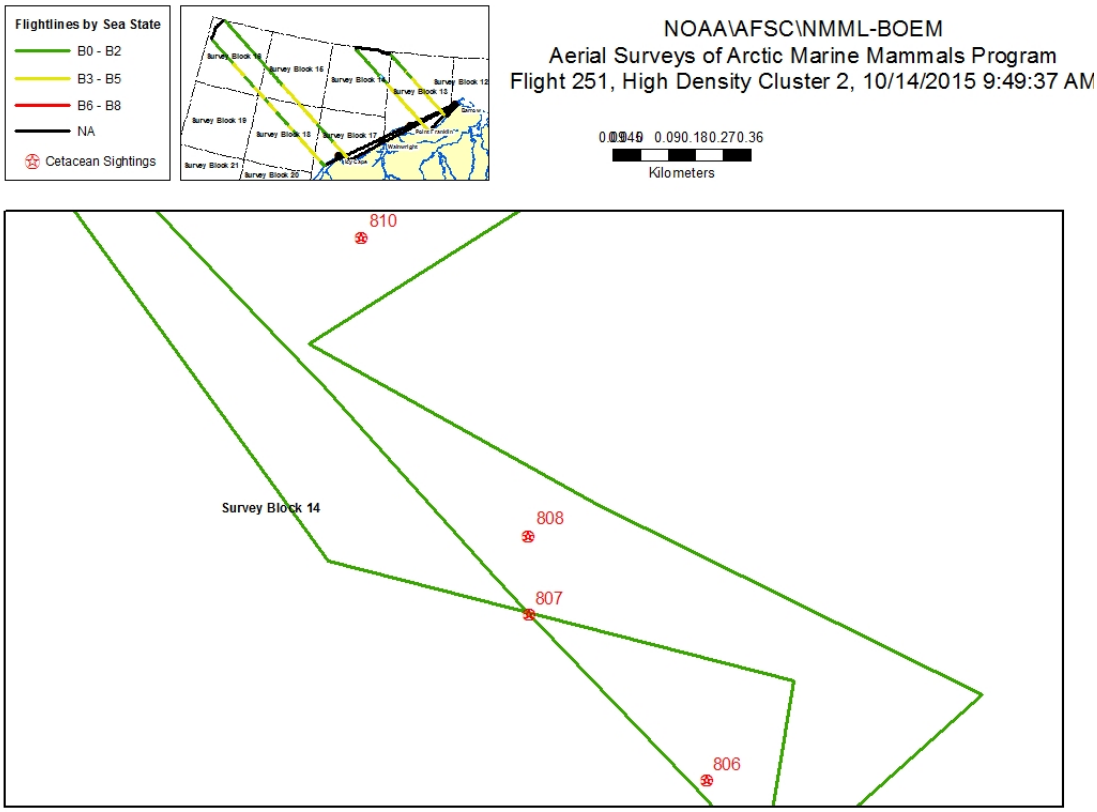
Cetacean Sightings:

Event	Lat	Long	Block	Species	Total	Calves	Behavior	Swim Direction	On Effort
236	71.05	-165.96	15	beluga	1	0	swim	8	True
698	70.9	-158.07	13	bowhead whale	1	0	swim	-1	True
699	70.9	-158.07	13	beluga	1	0	swim	-1	True
701	70.91	-158.11	13	bowhead whale	1	0	swim	195	True
710	70.92	-158.11	13	bowhead whale	1	0	swim	-1	False
722	70.99	-158.37	13	gray whale	1	0	swim	225	True
725	71	-158.39	13	bowhead whale	1	0	swim	102	True
737	71.1	-158.73	13	bowhead whale	1	0	swim	162	True
738	71.1	-158.75	13	bowhead whale	1	0	rest	-1	False
806	71.58	-160.4	14	bowhead whale	1	0	swim	-1	True
807	71.59	-160.41	14	bowhead whale	1	0	rest	-1	False
808	71.59	-160.42	14	beluga	2	1	swim	-1	True
810	71.6	-160.44	14	beluga	2	0	swim	-1	True
823	71.61	-160.49	14	bowhead whale	2	1	swim	135	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 251, 10/14/2015 9:49:37 AM
20 10 0 20 40 60 80
Kilometers
Survey Block 16
Survey Block 15
Survey Block 14
Survey Block 13
Survey Block 12
Survey Block 19
Survey Block 18
Survey Block 17
Survey Block 21
Survey Block 20
Barrow
Point Franklin
Wainwright
Icy Cape
236
806
823
808
810
807
737
738
725
722
710
698
701
699


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 251, High Density Cluster 1, 10/14/2015 9:49:37 AM
Kilometers


710
701
Survey Block 13
699
698


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 251, High Density Cluster 2, 10/14/2015 9:49:37 AM
0.09 0.18 0.27 0.36
Kilometers
Survey Block 14
810
808
807
806