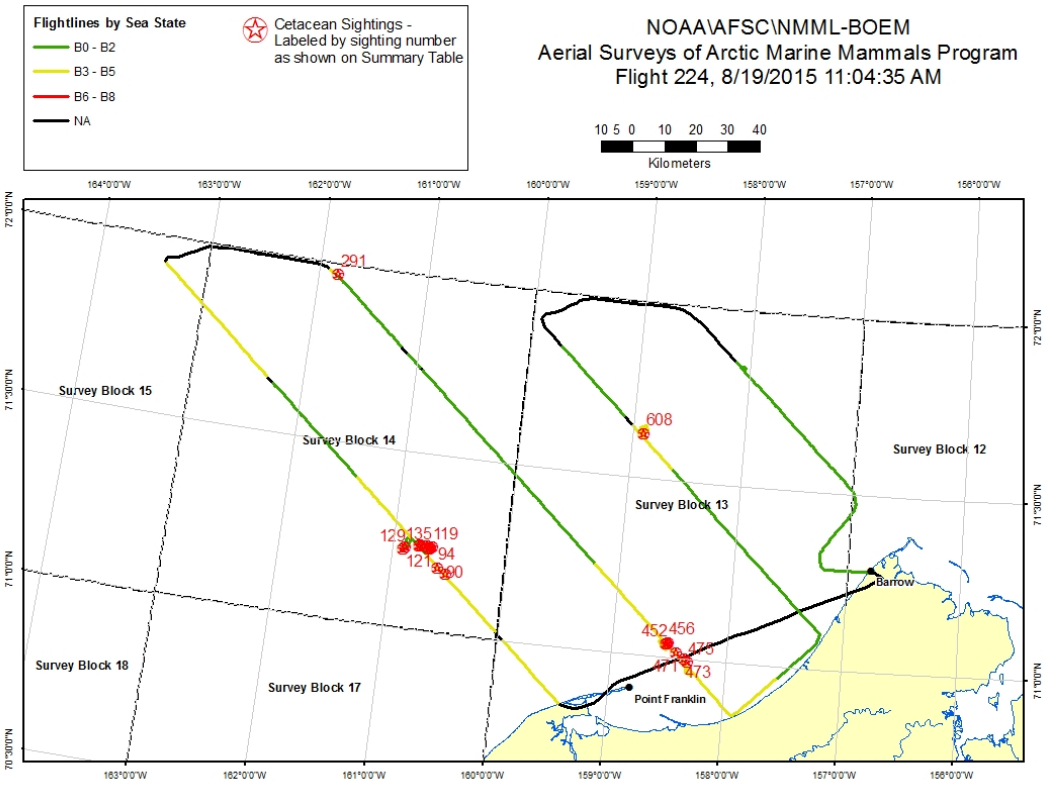
ASAMM-Chukchi – Flight 224 – 19 August 2015

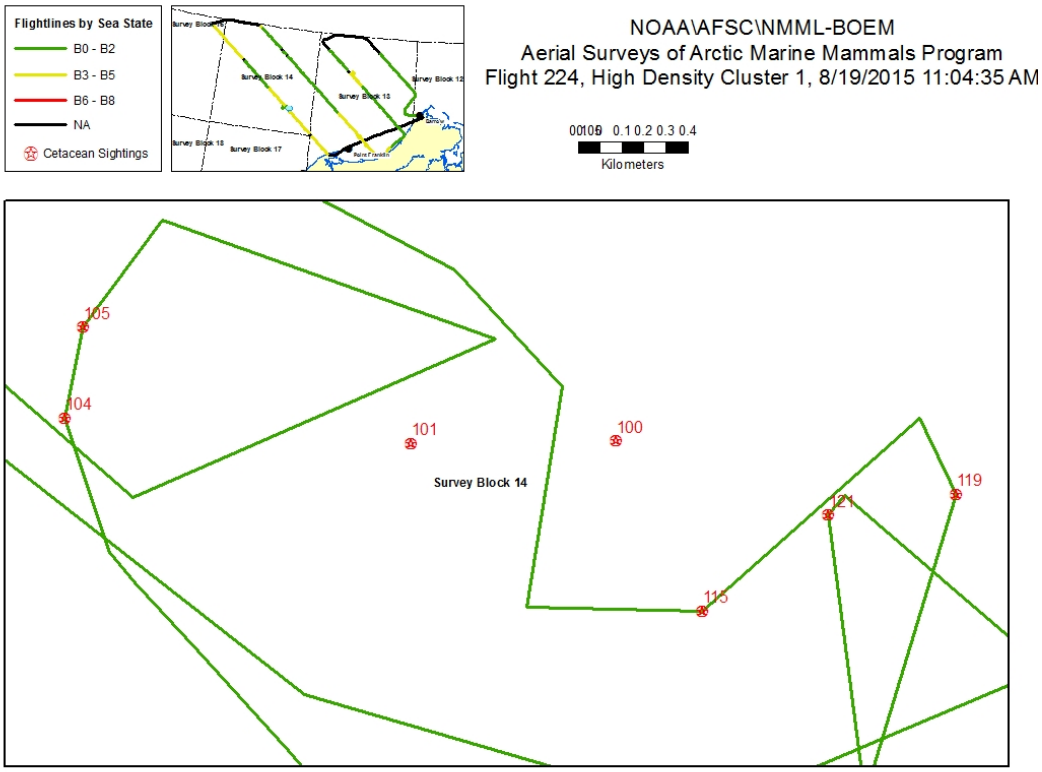
Area flown: Transects 4, 6, and 8, complete; transect 1, partial.
Total hours flown: 4.3
Total transect hours: 2.4
Number of bowhead whales seen: 1 (no calves)
Weather and visibility: Skies were partly cloudy to overcast. Sea state ranged from Beaufort 1 to 4. Visibility ranged from 0 km to unlimited, with glare, low ceilings, and precipitation. There was 1% sea ice in the area surveyed.
Sightings: One bowhead whale, gray whales (including 4 calves), 1 beluga, 1 unidentified cetacean, walruses, unidentified pinnipeds and 1 unidentified marine mammal.

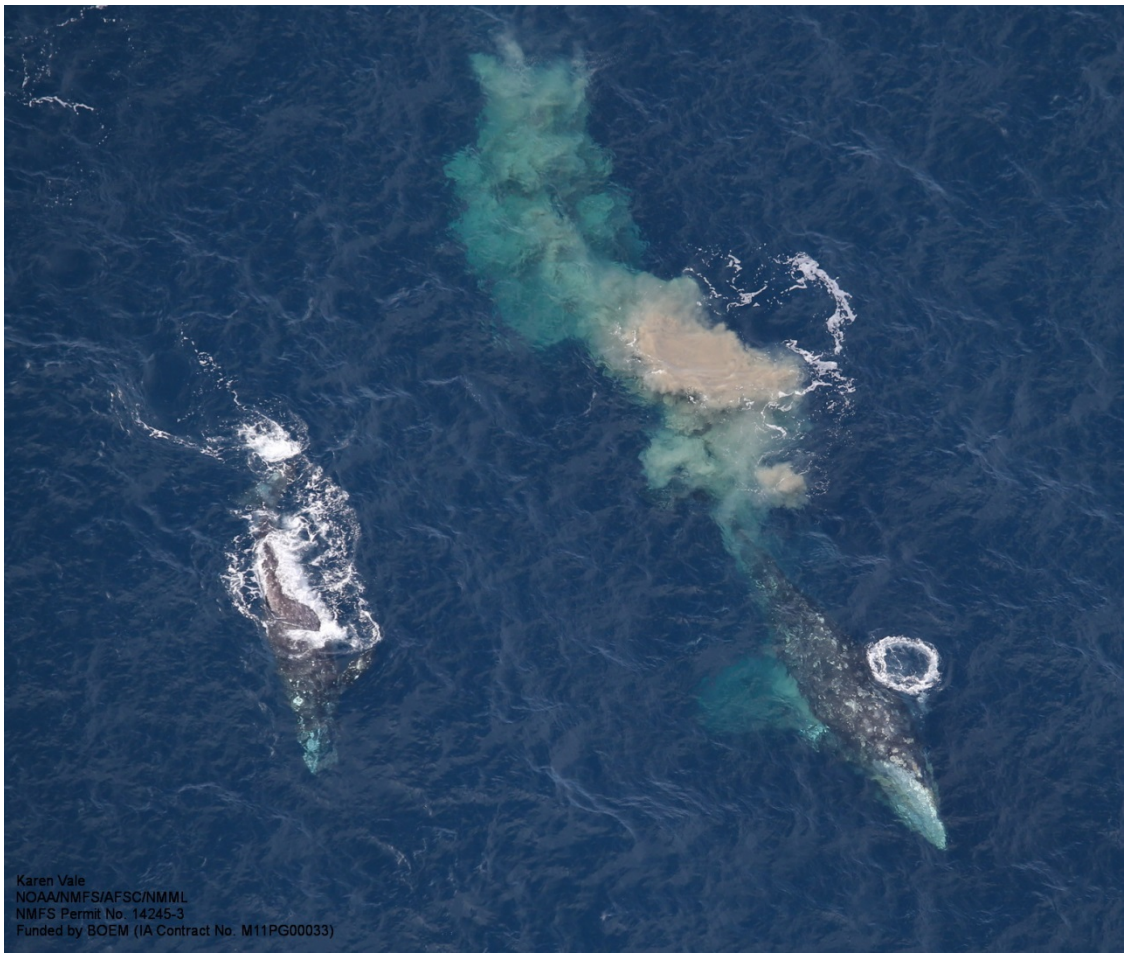
Preliminary Summary, Flight 224 Date: 8/19/2015

Total bowhead whales: 1	Start time: 8/19/2015 11:07:03 AM	End time: 8/19/2015 3:23:58 PM
Bowhead whale sightings: 1	Transect minutes: 143	Transect km:531.7
Bowhead whales on transect: 1	Circling minutes: 34	Circling km: 97.7
Bowhead whale cow-calf pairs: 0	Trans+Circ minutes: 177	Trans+Circ km: 629.4
Bowhead whale cow-calf pairs on transect: 0	Search minutes: 24	Search km: 86.8
Bowhead whale repeats: 0	Total minutes: 256	Total km: 978.5
Possible repeats: 0	Deadhead minutes: 55	Deadhead km: 262.3
Total gray whales: 25	Search blocks: 13, 14, 15, 12	
Total belugas: 1	Transect blocks: 13, 14, 15	
Other whale sightings: 1		
Walruses: Yes		
Total polar bears: 0		

Event	Lat	Long	Block	Species	Total	Calves	Behavior	Swim Direction	On Effort
90	71.16	-160.52	14	gray whale	2	1	swim	-1	True
94	71.18	-160.59	14	gray whale	2	0	rest	-1	True
100	71.23	-160.73	14	gray whale	2	0	feed	-1	True
101	71.23	-160.75	14	gray whale	1	0	feed	-1	True
104	71.24	-160.77	14	gray whale	2	1	feed	-1	False
105	71.24	-160.76	14	gray whale	1	0	feed	-1	False
115	71.23	-160.68	14	gray whale	1	0	feed	-1	False
119	71.24	-160.65	14	gray whale	1	0	feed	-1	False
121	71.24	-160.67	14	gray whale	1	0	feed	-1	False
129	71.25	-160.83	14	gray whale	2	0	feed	-1	True
135	71.23	-160.89	14	gray whale	4	2	feed	-1	False
291	71.96	-161.83	14	beluga	1	0	swim	32	True
445	71.04	-158.53	13	unid cetacean	1	0	swim	222	True
452	71.04	-158.52	13	gray whale	1	0	swim	-1	False
456	71.04	-158.52	13	gray whale	2	0	feed	-1	False
471	71.02	-158.45	13	gray whale	1	0	feed	-1	True
473	70.99	-158.38	13	gray whale	1	0	feed	-1	True
475	70.99	-158.36	13	gray whale	1	0	feed	-1	True
608	71.62	-158.92	13	bowhead whale	1	0	rest	-1	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 224, 8/19/2015 11:04:35 AM
10 5 0 10 20 30 40
Kilometers
Survey Block 15
Survey Block 14
Survey Block 13
Survey Block 12
Survey Block 18
Survey Block 17
Barrow
Point Franklin
291
608
129
135
119
121
94
90
452
456
475
471
473


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 224, High Density Cluster 1, 8/19/2015 11:04:35 AM
0.1 0.2 0.3 0.4
Kilometers
Survey Block 14
105
104
101
100
119
121
115



Gray whale cow-calf pair about 100 km northeast of Pt. Franklin, Alaska (event 135), ASAMM-Chukchi Flight 224, 19 July 2015.