

## ASAMM-Chukchi – Flight 233 – 7 September 2015

Area flown: Arctic ACEs transects 201, 203, 205, 228, 230, 232, 234, 236, complete; transects 207, 209, 211, 213, 215, 238, 240, 242, 244, 246, 248, 250, partial; ASAMM transect 8, partial; coastal search effort from Dease Inlet to Point Barrow.

Total hours flown: 6.2 (2 flights)

Total transect hours: 3.1

Number of bowhead whales seen: 16 (1 calf)

Weather and visibility: Skies were partly cloudy to overcast. Sea state ranged from Beaufort 3 to 7. Visibility ranged from 0 to 10 km, with glare, precipitation, and low ceilings. There was no sea ice in the area surveyed. Low ceilings and precipitation precluded additional surveying in the study area.

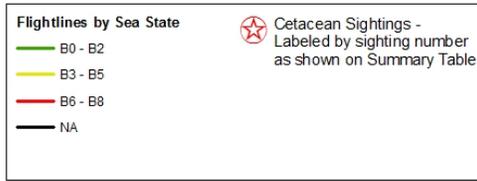
Sightings: Bowhead whales, gray whales, unidentified cetaceans, and unidentified pinnipeds. There were more unidentified cetaceans than normal because the survey aircraft does not break off transect to circle sightings on the ACEs transects.

### Preliminary Summary, Flight 233 Date: 9/7/2015

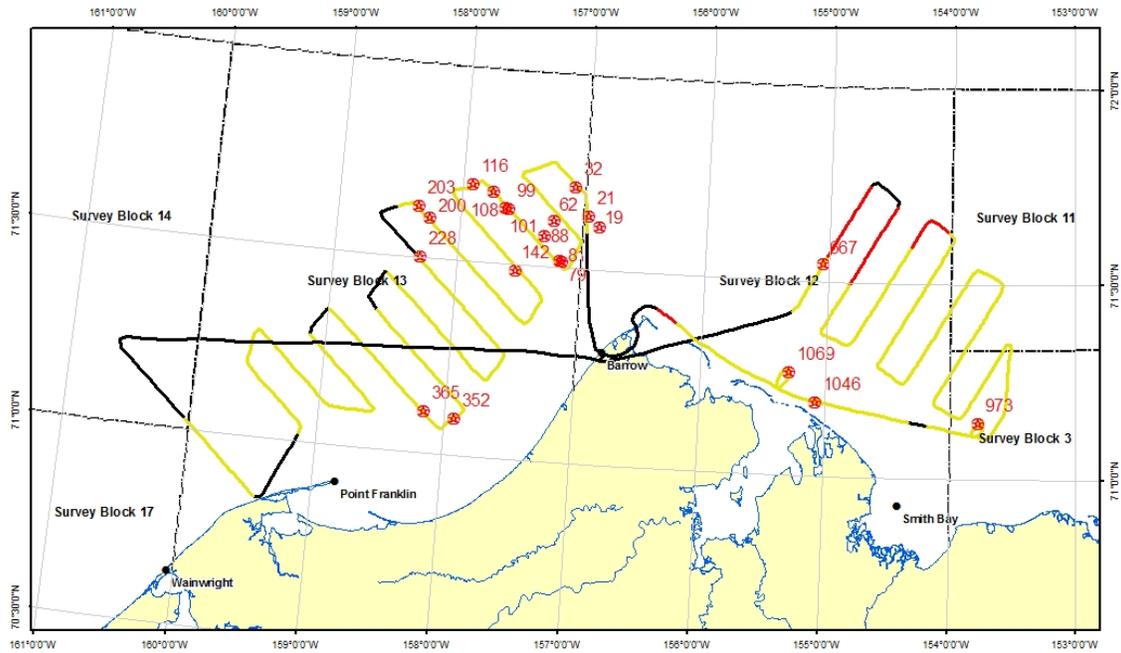
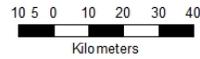
Total bowhead whales: 16	Start time: 9/7/2015 9:22:14 AM	End time: 9/7/2015 5:37:18 PM
Bowhead whale sightings: 14	Transect minutes: 188	Transect km:695.6
Bowhead whales on transect: 9	Circling minutes: 21	Circling km: 0
Bowhead whale cow-calf pairs: 1	Trans+Circ minutes: 209	Trans+Circ km: 695.6
Bowhead whale cow-calf pairs on transect: 0	Search minutes: 81	Search km: 282.8
Bowhead whale repeats: 0	Total minutes: 369	Total km: 1358.7
Possible repeats: 0	Deadhead minutes: 79	Deadhead km: 380.3
Total gray whales: 2	Search blocks: 12, 13, 14, 11, 3	
Total belugas: 0	Transect blocks: 13, 14, 12, 11, 3	
Other whale sightings: 5		
Walrus: No		
Total polar bears: 0		

### Cetacean Sightings:

Event	Lat	Long	Block	Species	Total	Calves	Behavior	Swim Direction	On Effort
19	71.61	-156.98	12	unid cetacean	1	0	unknown	-1	False
21	71.64	-156.98	12	bowhead whale	1	0	rest	-1	False
32	71.71	-157.07	13	bowhead whale	1	0	rest	-1	True
62	71.63	-157.2	13	unid cetacean	1	0	swim	227	True
79	71.51	-157.18	13	unid cetacean	1	0	unknown	-1	True
81	71.51	-157.19	13	bowhead whale	1	0	rest	-1	True
88	71.56	-157.36	13	unid cetacean	1	0	unknown	-1	True
99	71.64	-157.61	13	bowhead whale	1	0	swim	282	True
101	71.65	-157.63	13	bowhead whale	1	0	swim	195	True
108	71.68	-157.75	13	bowhead whale	1	0	swim	134	False
116	71.69	-157.92	13	bowhead whale	1	0	swim	155	False
142	71.49	-157.51	13	bowhead whale	1	0	swim	255	True
200	71.6	-158.26	13	bowhead whale	1	0	swim	100	True
203	71.63	-158.35	13	bowhead whale	1	0	swim	102	True
228	71.5	-158.31	13	bowhead whale	2	0	swim	102	True
352	71.1	-157.93	13	gray whale	1	0	feed	-1	False
365	71.11	-158.17	13	gray whale	1	0	feed	-1	True
667	71.55	-155.04	12	unid cetacean	1	0	unknown	-1	True
973	71.11	-153.8	3	bowhead whale	2	1	swim	-1	False
1046	71.19	-155.07	12	bowhead whale	1	0	rest	-1	False
1069	71.22	-155.36	12	bowhead whale	1	0	swim	30	False



NOAA/AFSC/NMML-BOEM  
 Aerial Surveys of Arctic Marine Mammals Program  
 Flight 233, 9/7/2015 9:15:02 AM



Bowhead whale cow of a cow/calf pair (calf not pictured), with an almost all-white fluke, sighted northeast of Smith Bay, Alaska (event 973), ASAMM-Chukchi Flight 233, 7 September 2015.