

ASAMM-Chukchi – Flight 231 – 9 September 2017

Area flown: Block 12, 2 complete and 4 partial transects; transects 2, 3, 4, 5, 6, and 7, complete.

Total hours flown: 9.1 (2 flights)

Total transect hours: 6.3

Number of bowhead whales seen: 8 (0 calves)

Weather and visibility: Skies were overcast to partly cloudy. Sea state ranged from Beaufort 1 to 4. Visibility ranged from 0 km to unlimited; with glare, low ceilings, and precipitation. There was no sea ice in the area surveyed.

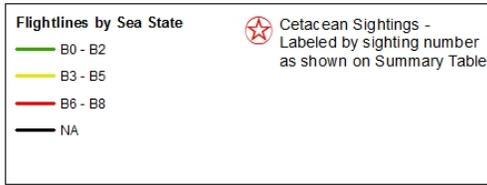
Sightings: Bowhead whales, gray whales, an unidentified cetacean, walrus (including 1 carcass), one bearded seal, one unidentified pinniped, small unidentified pinnipeds, one polar bear, caribou, and one arctic fox. The polar bear was on a barrier island in the western Beaufort Sea.

Preliminary Summary, Flight 231 Date: Saturday, September 09, 2017

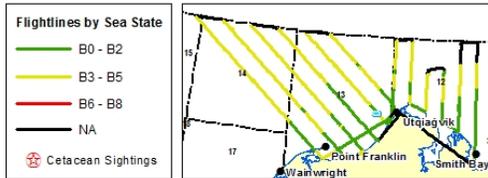
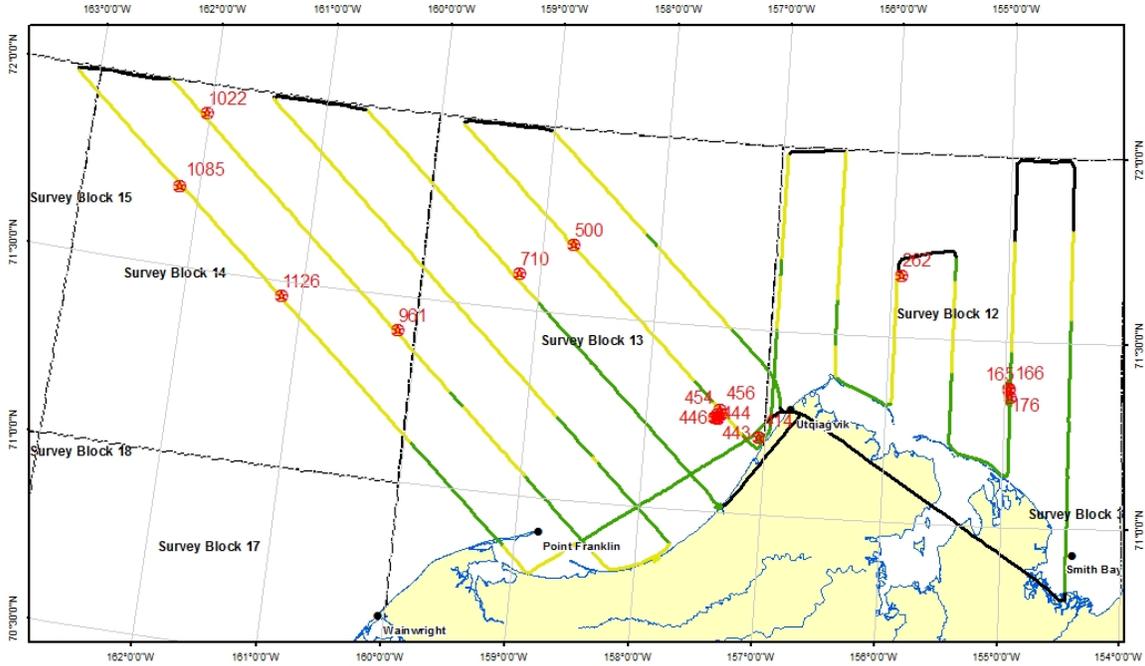
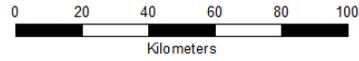
Total bowhead whales: 8	Start time: 9/9/2017 8:55:38 AM	End time: 9/9/2017 6:39:06 PM
Bowhead whale sightings: 8	Transect minutes: 380	Transect km: 1389.7
Bowhead whales on transect: 7	Circling minutes: 39	Circling km: 99.7
Bowhead whale calves: 0	Trans+Circ minutes: 419	Trans+Circ km: 1489.4
Bowhead whale calves on transect: 0	Search minutes: 51	Search km: 165.7
Bowhead whale repeats: 0	Total minutes: 543	Total km: 1997.5
Possible repeats: 0	Deadhead minutes: 73	Deadhead km: 342.4
Total gray whales: 8	Search blocks: 12,13,14	
Total belugas: 0	Transect blocks: 12,13,14,15	
Other whale sightings: 1		
Walrus: yes		
Total polar bears: 1		

Cetacean Sightings:

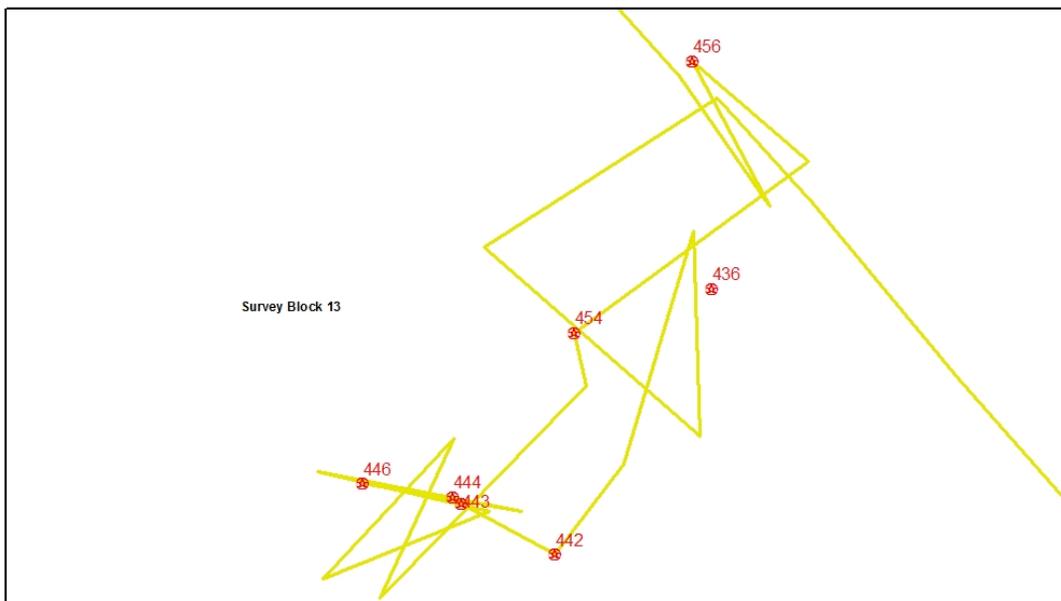
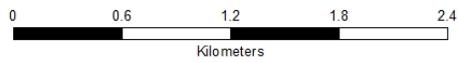
Event	Lat	Long	Block	Species	Total	Calves	Behavior	Swim Direction	On Effort
165	71.37	-154.96	12	bowhead whale	1	0	swim	183	False
176	71.35	-154.95	12	bowhead whale	1	0	swim	299	True
262	71.67	-155.95	12	bowhead whale	1	0	dive	-1	True
414	71.2	-157.01	13	gray whale	1	0	dive	-1	False
436	71.27	-157.36	13	gray whale	1	0	swim	44	True
442	71.25	-157.4	13	gray whale	1	0	swim	-1	False
443	71.25	-157.41	13	gray whale	1	0	swim	-1	False
444	71.26	-157.41	13	gray whale	1	0	swim	-1	False
446	71.26	-157.43	13	gray whale	1	0	swim	-1	False
454	71.26	-157.4	13	gray whale	1	0	swim	-1	False
456	71.28	-157.38	13	gray whale	1	0	swim	-1	False
500	71.69	-158.74	13	bowhead whale	1	0	swim	74	True
710	71.59	-159.21	13	bowhead whale	1	0	swim	44	True
961	71.4	-160.16	14	bowhead whale	1	0	swim	41	True
1022	71.91	-162.04	14	bowhead whale	1	0	swim	38	True
1085	71.72	-162.15	14	unid cetacean	1	0	swim	190	True
1126	71.46	-161.17	14	bowhead whale	1	0	swim	131	True



NOAA\FSC\MML-BOEM
Aerial Surveys of Arctic Marine Mammals Program
Flight 231, 9/9/2017 8:55:38 AM



NOAA\FSC\MML-BOEM
Aerial Surveys of Arctic Marine Mammals Program
Flight 231, High Density Cluster 1, 9/9/2017





This decomposed walrus carcass is accompanied by an arctic fox taking advantage of the food resource. Observed approximately 35 km SSW of Utqiagvik, Alaska, ASAMM-Chukchi Flight 231, 9 September 2017.



The USCGC Healy was observed approximately 120 km NNW of Wainwright, Alaska, ASAMM-Chukchi Flight 231, 9 September 2017. Daily weather updates from scientists onboard the Healy have been a great resource to the ASAMM project!



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NOAA/NMFS/AFSC/MML
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This bowhead whale leaves quite a trail as it swims quickly through the water. Observed approximately 100 km NNW of Wainwright, Alaska (Event 1126), ASAMM-Chukchi Flight 231, 9 September 2017.