

## ASAMM-Beaufort – Flight 42 – 25 September 2016

Area flown: Block 3, 3 complete transects; block 11, 3 complete transects and 1 partial transect; block 12, 6 complete transects.

Total hours flown: 8.2 (2 flights)

Total transect hours: 4.7

Number of bowhead whales seen: 39 (2 calves)

Weather and visibility: Skies were partly cloudy. Sea state ranged from Beaufort 2 to 5.

Visibility was 2 km to unlimited, with haze, glare, precipitation, and low ceilings. Sea ice ranged from 0 to 27 percent new/grease ice and broken floe ice in the area surveyed.

Sightings: Bowhead whales, 1 gray whale, 1 unidentified cetacean, and small unidentified pinnipeds.

### Preliminary Summary, Flight 42 Date: Sunday, September 25, 2016

Total bowhead whales: 39	Start time: 9/25/2016 9:57:40 AM	End time: 9/25/2016 6:47:48 PM
Bowhead whale sightings: 33	Transect minutes: 283	Transect km: 1055.4
Bowhead whales on transect: 19	Circling minutes: 45	Circling km: 124.4
Bowhead whale cow-calf pairs: 2	Trans+Circ minutes: 328	Trans+Circ km: 1179.8
Bowhead whale cow-calf pairs on transect: 2	Search minutes: 24	Search km: 84.7
Bowhead whale repeats: 0	Total minutes: 492	Total km: 1955.8
Possible repeats: 0	Deadhead minutes: 140	Deadhead km: 691.3
Total gray whales: 1	Search blocks: 3,11,12	
Total belugas: 0	Transect blocks: 3,11,12	
Other whale sightings: 1		
walrus: no		
Total polar bears: 0		

### Cetacean Sightings

Event	Lat	Long	Block	Species	Total	Calves	Behavior	Swim Direction	On Effort
75	71.12	-150.24	3	bowhead whale	1	0	rest	-1	True
80	71.14	-150.24	3	bowhead whale	1	0	swim	-1	True
81	71.14	-150.25	3	bowhead whale	2	0	swim	-1	True
83	71.15	-150.27	3	bowhead whale	1	0	swim	-1	False
84	71.14	-150.3	3	bowhead whale	2	0	swim	-1	False
90	71.16	-150.36	3	bowhead whale	1	0	swim	-1	False
93	71.17	-150.43	3	bowhead whale	1	0	swim	-1	False
94	71.16	-150.42	3	bowhead whale	1	0	swim	-1	False
96	71.17	-150.42	3	bowhead whale	2	0	swim	-1	False
97	71.18	-150.47	3	bowhead whale	1	0	swim	-1	False
105	71.16	-150.25	3	bowhead whale	1	0	swim	274	True
219	71.23	-150.68	3	bowhead whale	1	0	swim	210	True
223	71.25	-150.62	3	bowhead whale	1	0	swim	-1	False
227	71.22	-150.68	3	bowhead whale	2	1	swim	240	True
234	71.19	-150.68	3	bowhead whale	1	0	swim	236	True
239	71.17	-150.56	3	bowhead whale	1	0	swim	-1	False
352	71.12	-151.35	3	bowhead whale	1	0	rest	-1	True
354	71.13	-151.36	3	bowhead whale	2	0	mill	-1	False
356	71.11	-151.38	3	gray whale	1	0	swim	-1	False
358	71.1	-151.36	3	unid cetacean	1	0	swim	-1	False
362	71.14	-151.35	3	bowhead whale	1	0	swim	-1	False
366	71.19	-151.34	3	bowhead whale	1	0	swim	152	True
372	71.23	-151.34	3	bowhead whale	1	0	swim	95	True
373	71.23	-151.34	3	bowhead whale	1	0	swim	5	True
375	71.23	-151.38	3	bowhead whale	1	0	swim	-1	True
773	71.82	-155.29	12	bowhead whale	1	0	rest	-1	False
780	71.83	-155.22	12	bowhead whale	1	0	rest	-1	False
784	71.83	-155.26	12	bowhead whale	1	0	rest	-1	False
793	71.91	-155.28	12	bowhead whale	2	1	rest	-1	True
940	71.7	-154.34	12	bowhead whale	1	0	breach	-1	True
951	71.68	-154.15	12	bowhead whale	1	0	breach	-1	False
967	71.82	-154.34	12	bowhead whale	1	0	swim	90	True

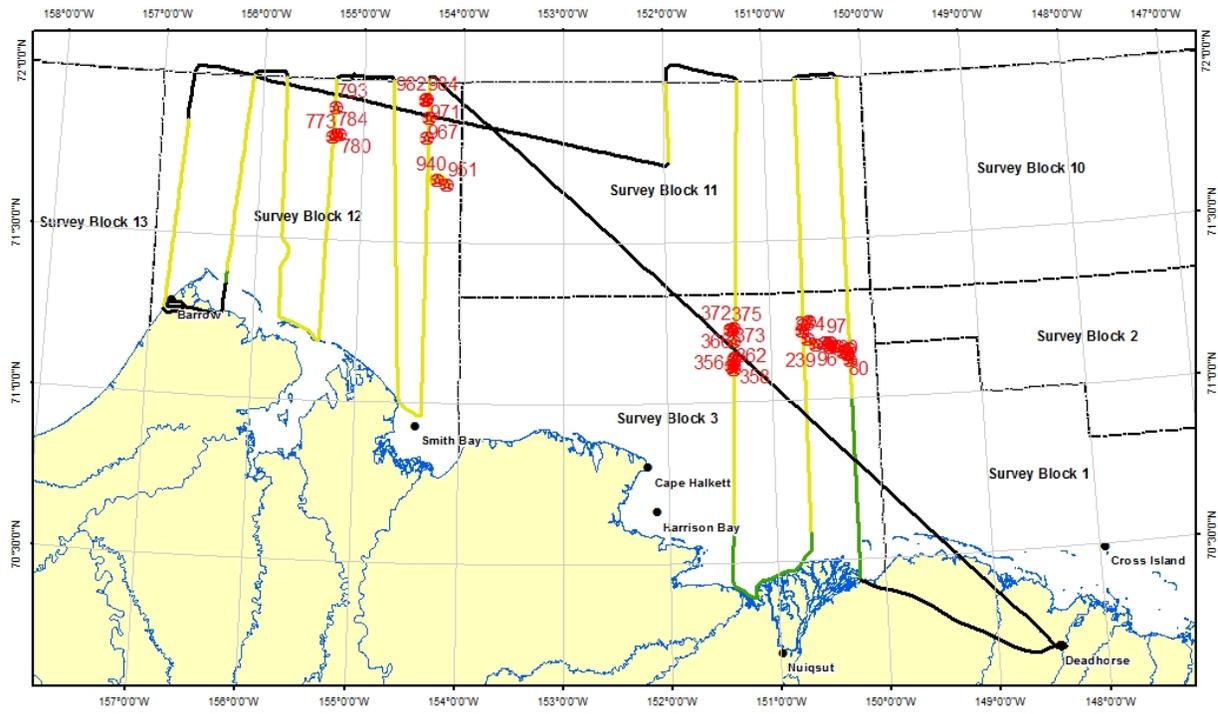
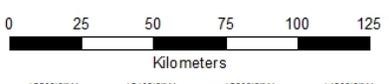
971	71.89	-154.34	12	bowhead whale	1	0	rest	-1	False
982	71.94	-154.33	12	bowhead whale	1	0	swim	329	True
984	71.94	-154.36	12	bowhead whale	1	0	swim	-1	False

**Flightlines by Sea State**

- B0 - B2
- B3 - B5
- B6 - B8
- NA

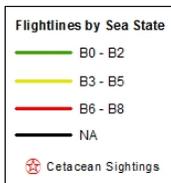
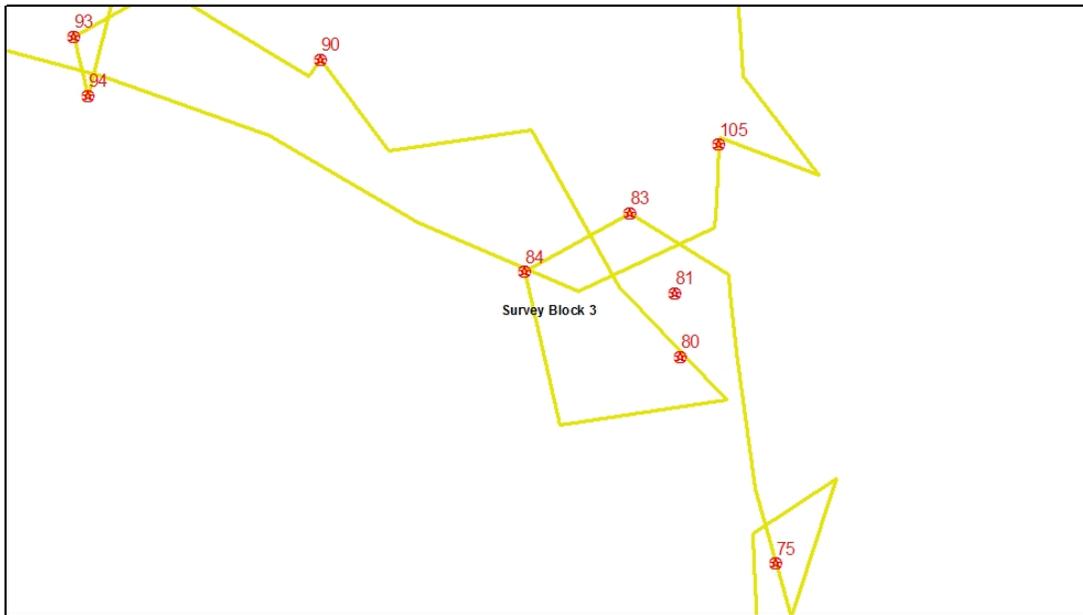
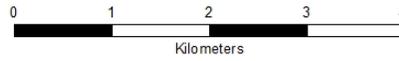
Cetacean Sightings - Labeled by sighting number as shown on Summary Table

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Aerial Surveys of Arctic Marine Mammals Program  
Flight 42, 9/25/2016 9:31:54 AM

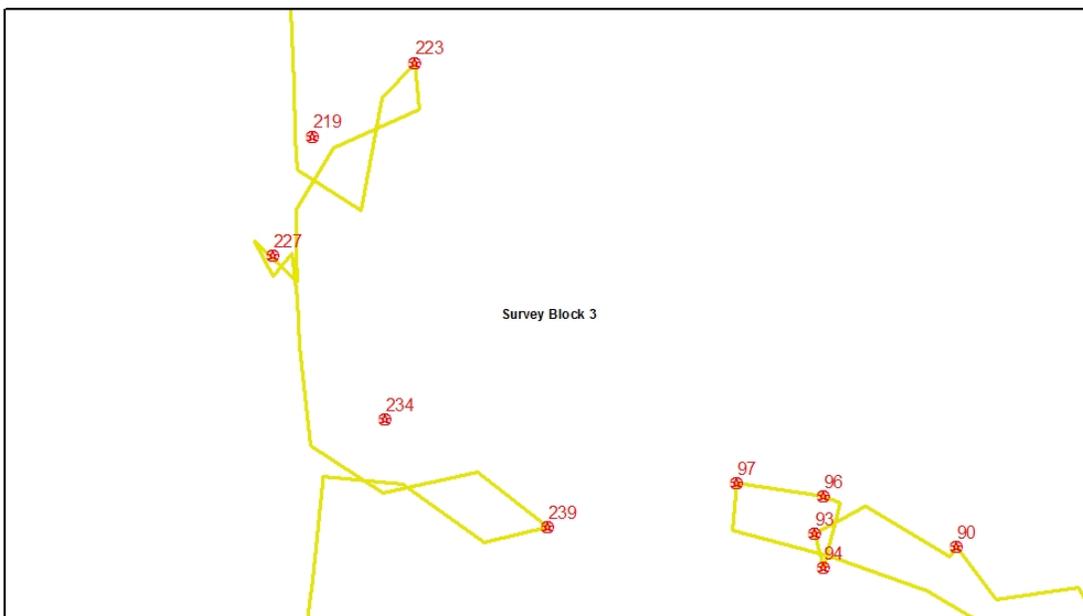




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 Flight 42, High Density Cluster 1, 9/25/2016



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 Flight 42, High Density Cluster 2, 9/25/2016





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 Flight 42, High Density Cluster 3, 9/25/2016

