

ASAMM-Beaufort – Flight 28 – 8 September 2016

Area flown: Block 4, 5 complete and 1 partial transect; block 6, 3 partial transects.

Total hours flown: 4.3

Total transect hours: 1.5

Number of bowhead whales seen: 72 (15 calves)

Weather and visibility: Skies were partly cloudy to overcast. Sea state ranged from Beaufort 1-5. Visibility ranged from 1 km to unlimited, with glare, haze, and low ceilings. There was no sea ice in the area surveyed. Low ceilings prevented completion of the offshore ends of transects.

Survey ended due to diminished light as sunset approached.

Sightings: Bowhead whales (including 1 carcass), 1 unidentified cetacean, 1 beluga, unidentified pinnipeds, small unidentified pinnipeds, and polar bears. The polar bears were sighted resting on barrier islands and swimming nearshore, east of Barter Island. One very decomposed bowhead whale carcass was seen that was a repeat of a sighting from ASAMM-Beaufort Flight 23 on 27 August 2016. In 12 days, the carcass drifted southeastwardly nearly 250 km.

Preliminary Summary, Flight 28 Date: Thursday, September 08, 2016

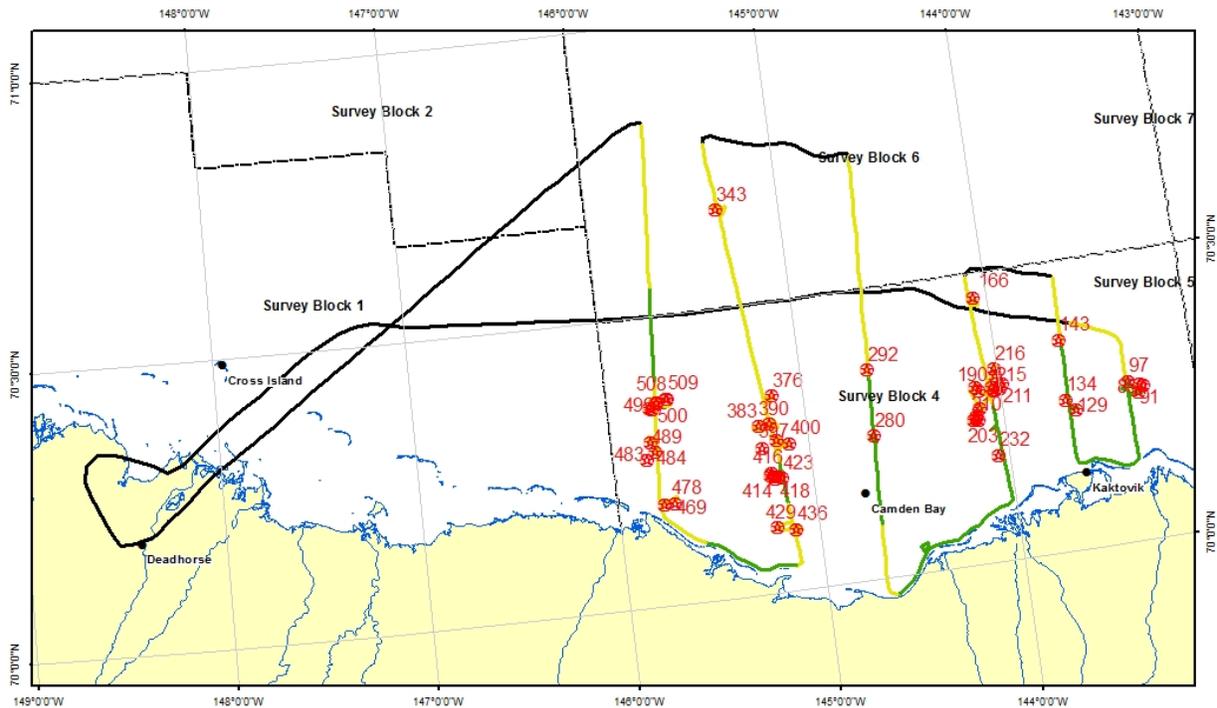
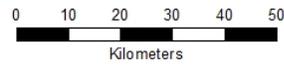
Total bowhead whales: 72	Start time: 9/8/2016 4:51:46 PM	End time: 9/8/2016 9:06:58 PM
Bowhead whale sightings: 48	Transect minutes: 91	Transect km: 336.1
Bowhead whales on transect: 41	Circling minutes: 64	Circling km: 177.4
Bowhead whale cow-calf pairs: 15	Trans+Circ minutes: 155	Trans+Circ km: 513.5
Bowhead whale cow-calf pairs on transect: 11	Search minutes: 26	Search km: 90
Bowhead whale repeats: 1	Total minutes: 255	Total km: 999.5
Possible repeats: 0	Deadhead minutes: 74	Deadhead km: 396
Total gray whales: 0	Search blocks: 4,6	
Total belugas: 1	Transect blocks: 4,6	
Other whale sightings: 2		
walrus: no		
Total polar bears: 22		

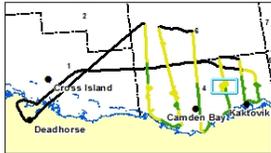
Event	Lat	Long	Block	Species	Total	Calves	Behavior	Swim Direction	On Effort
85	70.27	-143.36	4	bowhead whale	1	0	swim	86	True
86	70.26	-143.36	4	bowhead whale	3	1	mill	-1	True
91	70.25	-143.3	4	bowhead whale	1	0	swim	-1	False
97	70.28	-143.34	4	bowhead whale	1	0	swim	-1	False
129	70.24	-143.66	4	bowhead whale	1	0	swim	331	True
134	70.26	-143.66	4	bowhead whale	1	0	swim	268	True
143	70.36	-143.65	4	bowhead whale	2	1	swim	90	True
166	70.46	-144.09	4	unid cetacean	1	0	dead	-1	True
184	70.31	-144.06	4	bowhead whale	4	2	mill	-1	True
185	70.3	-144.06	4	bowhead whale	1	0	swim	-1	True
186	70.29	-144.06	4	bowhead whale	1	0	swim	-1	True
187	70.29	-144.06	4	bowhead whale	2	2	swim	-1	True
190	70.3	-144.1	4	bowhead whale	2	0	swim	-1	False
196	70.27	-144.11	4	bowhead whale	5	0	dive	-1	False
198	70.25	-144.14	4	bowhead whale	1	1	swim	-1	False
199	70.25	-144.15	4	bowhead whale	3	0	swim	-1	False
201	70.25	-144.14	4	bowhead whale	1	0	swim	-1	False
203	70.25	-144.13	4	bowhead whale	1	0	swim	-1	False
210	70.3	-144	4	bowhead whale	1	0	swim	-1	False
211	70.3	-143.98	4	bowhead whale	1	0	dive	-1	False
215	70.32	-144.01	4	bowhead whale	1	0	log play	-1	False
216	70.33	-144.01	4	bowhead whale	1	0	swim	-1	False
232	70.18	-144.03	4	bowhead whale	1	0	dive	-1	True
280	70.25	-144.67	4	bowhead whale	2	1	swim	243	True
292	70.36	-144.65	4	bowhead whale	1	0	swim	181	True
343	70.67	-145.31	6	bowhead whale	1	0	dead	-1	True
376	70.34	-145.2	4	bowhead whale	2	1	swim	206	True
383	70.29	-145.19	4	bowhead whale	2	1	rest	-1	True

390	70.29	-145.19	4	bowhead whale	2	1	swim	-1	False
396	70.26	-145.18	4	bowhead whale	1	1	swim	110	True
397	70.26	-145.17	4	unid cetacean	1	0	swim	-1	True
400	70.25	-145.1	4	bowhead whale	2	1	mill	-1	False
408	70.2	-145.16	4	bowhead whale	1	0	rest	-1	True
411	70.2	-145.2	4	bowhead whale	2	0	swim	-1	False
414	70.2	-145.19	4	bowhead whale	1	0	rest	-1	False
416	70.21	-145.21	4	bowhead whale	1	0	swim	-1	False
418	70.2	-145.17	4	bowhead whale	1	0	swim	-1	False
423	70.19	-145.15	4	bowhead whale	1	0	swim	217	True
429	70.11	-145.13	4	bowhead whale	2	0	swim	263	True
436	70.1	-145.13	4	bowhead whale	1	0	feed	-1	True
469	70.18	-145.79	4	bowhead whale	1	0	breach	-1	True
478	70.18	-145.76	4	beluga	1	0	dive	-1	False
483	70.25	-145.78	4	bowhead whale	2	0	swim	273	True
484	70.27	-145.78	4	bowhead whale	1	0	swim	4	True
489	70.28	-145.77	4	bowhead whale	1	0	swim	336	True
497	70.34	-145.76	4	bowhead whale	1	0	swim	181	True
498	70.34	-145.76	4	bowhead whale	1	0	swim	269	True
499	70.35	-145.76	4	bowhead whale	2	1	swim	27	True
500	70.35	-145.76	4	bowhead whale	1	0	swim	26	True
508	70.35	-145.69	4	bowhead whale	2	1	swim	-1	False
509	70.36	-145.69	4	bowhead whale	1	0	swim	-1	False

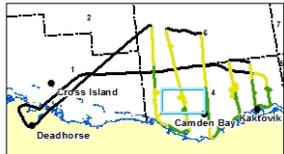
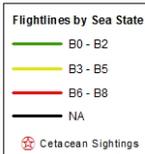
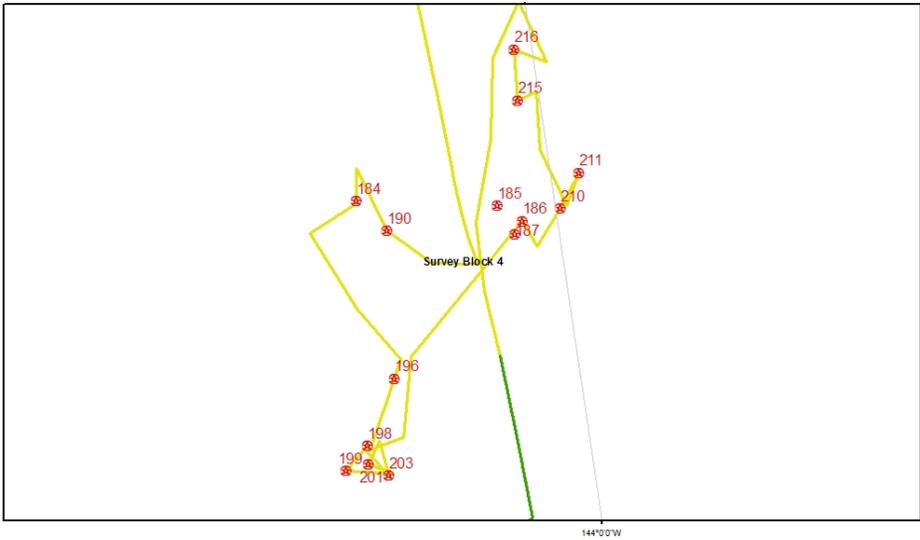
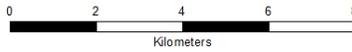


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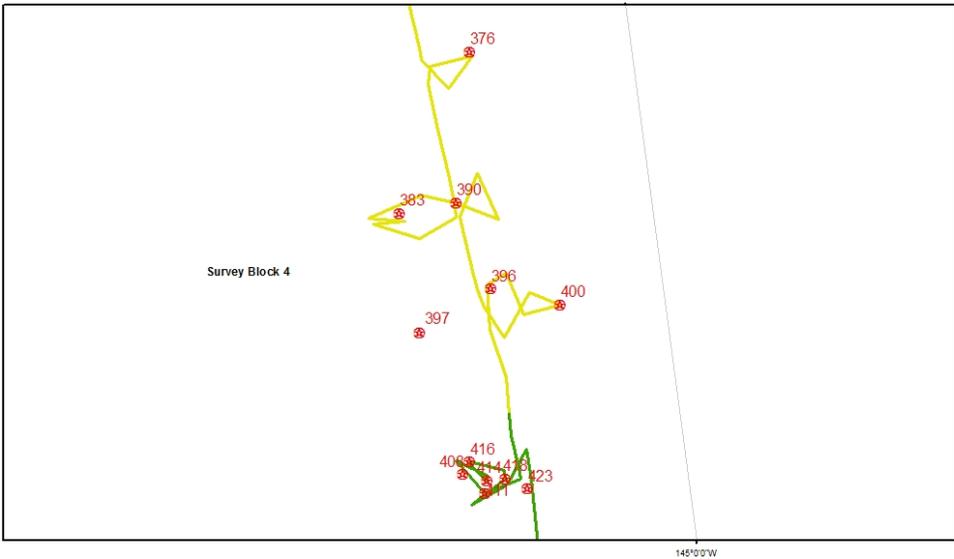


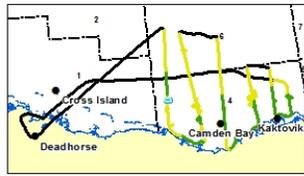
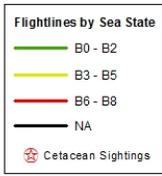


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Aerial Surveys of Arctic Marine Mammals Program
Flight 28, High Density Cluster 1, 9/8/2016

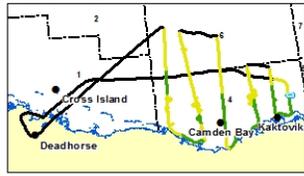
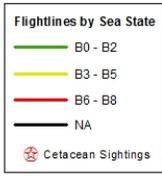
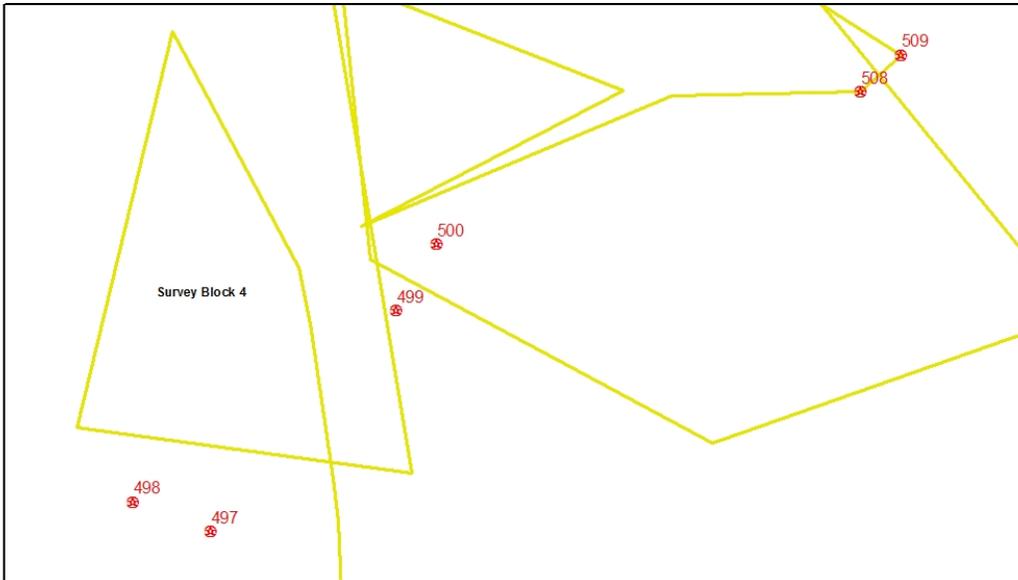
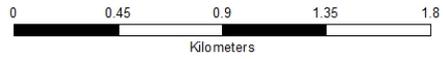


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Flight 28, High Density Cluster 2, 9/8/2016

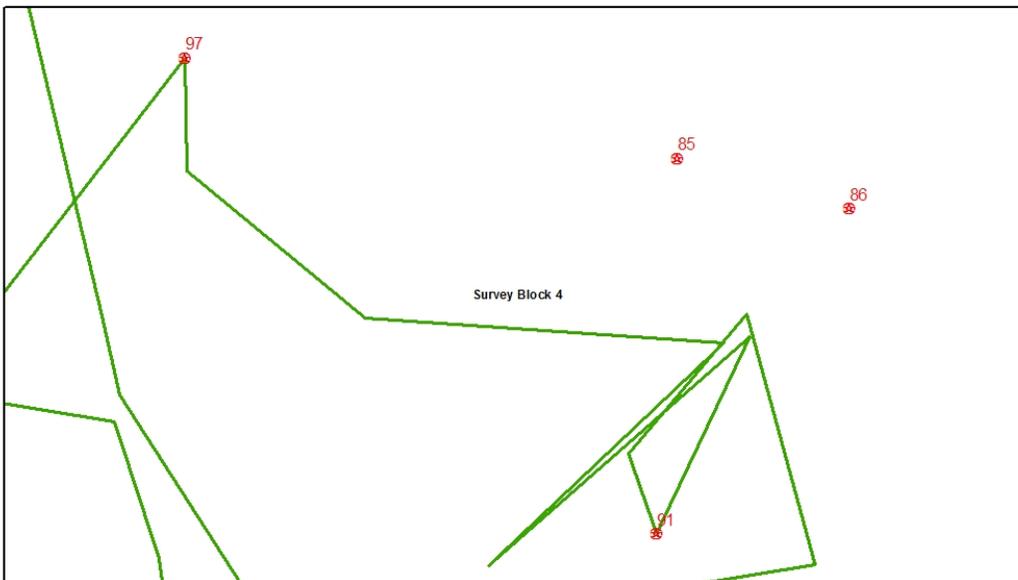
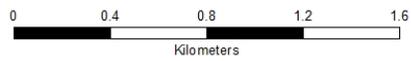




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 Aerial Surveys of Arctic Marine Mammals Program
 Flight 28, High Density Cluster 3, 9/8/2016



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 Aerial Surveys of Arctic Marine Mammals Program
 Flight 28, High Density Cluster 4, 9/8/2016





Houston, we have splashdown! Breaching is not a subtle behavior, as shown by this bowhead whale sighted ~80 km west of Kaktovik, Alaska (event 469), ASAMM-Beaufort Flight 28, 8 September 2016.