

ASAMM-Beaufort – Flight 9 – 5 August 2017

Area flown: Block 4, 2 complete transects; block 5, 2 complete and 1 partial transects; block 6, 2 complete transects; block 7, 2 complete transects; coastal transect from Kaktovik to northeast of Deadhorse.

Total hours flown: 5.0

Total transect hours: 3.1

Number of bowhead whales seen: 33 (5 calves)

Weather and visibility: Skies were partly cloudy to overcast. Sea state ranged from Beaufort 1 to 4. Visibility was 5 km to unlimited, with glare and precipitation. There was no sea ice in the area surveyed.

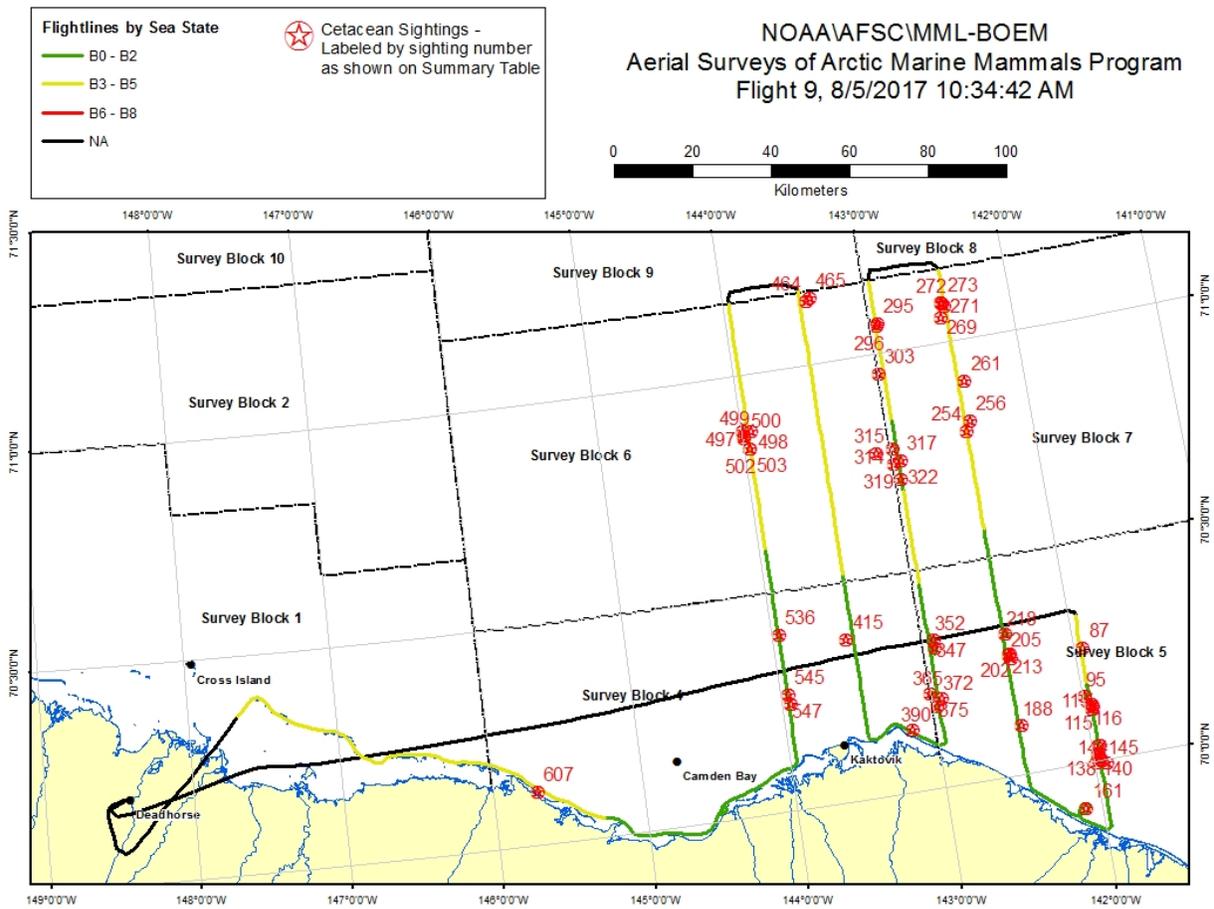
Sightings: Bowhead whales, belugas (including 20 calves), polar bears, small unidentified pinnipeds, and one unidentified marine mammal. The polar bears were all on barrier islands or swimming within 1 km of barrier islands.

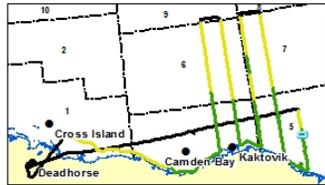
Preliminary Summary, Flight 9 Date: Saturday, August 05, 2017

Total bowhead whales: 33	Start time: 8/5/2017 10:34:42 AM	End time: 8/5/2017 3:32:02 PM
Bowhead whale sightings: 23	Transect minutes: 186	Transect km: 692.2
Bowhead whales on transect: 26	Circling minutes: 32	Circling km: 86
Bowhead whale calves: 5	Trans+Circ minutes: 218	Trans+Circ km: 778.2
Bowhead whale calves on transect: 4	Search minutes: 17	Search km: 49.5
Bowhead whale repeats: 0	Total minutes: 297	Total km: 1189.5
Possible repeats: 0	Deadhead minutes: 62	Deadhead km: 361.8
Total gray whales: 0	Search blocks: 1,4,5,8,9	
Total belugas: 126	Transect blocks: 1,4,5,6,7	
Other whale sightings: 0		
walrus: no		
Total polar bears: 10		

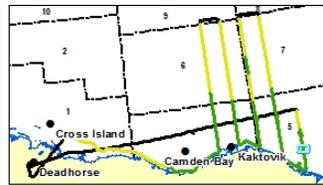
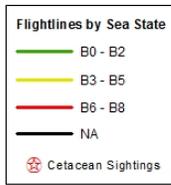
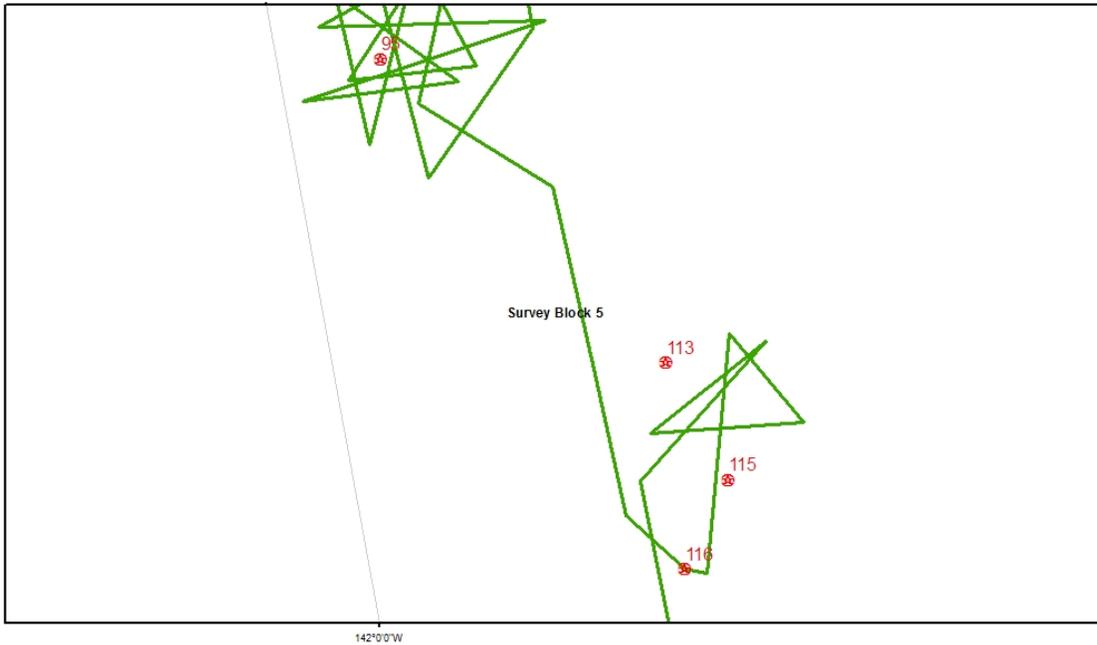
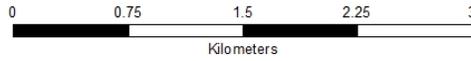
Event	Lat	Long	Block	Species	Total	Calves	Behavior	Swim Direction	On Effort
87	70.26	-141.96	5	beluga	1	0	swim	210	True
95	70.15	-141.96	5	bowhead whale	4	2	swim	90	True
113	70.13	-141.96	5	bowhead whale	1	0	swim	-1	True
115	70.12	-141.95	5	bowhead whale	1	0	swim	-1	True
116	70.12	-141.95	5	bowhead whale	1	0	swim	-1	True
131	70.03	-141.95	5	bowhead whale	1	0	swim	180	True
135	70.02	-141.95	5	bowhead whale	6	0	swim	-1	True
136	70.01	-141.95	5	bowhead whale	1	0	rest	-1	True
138	70	-141.97	5	bowhead whale	1	0	swim	-1	False
140	70	-141.95	5	bowhead whale	1	0	rest	-1	False
144	70	-141.96	5	bowhead whale	1	0	swim	3	True
145	69.99	-141.96	5	bowhead whale	2	0	swim	305	True
161	69.88	-142.15	5	beluga	20	0	swim	129	False
188	70.11	-142.46	5	bowhead whale	1	0	swim	359	True
202	70.27	-142.46	5	bowhead whale	1	1	rest	-1	True
205	70.27	-142.42	5	bowhead whale	1	0	swim	-1	False
213	70.26	-142.42	5	bowhead whale	1	0	rest	-1	False
218	70.32	-142.46	5	bowhead whale	2	1	swim	2	True
254	70.79	-142.46	7	beluga	3	0	swim	90	False
256	70.81	-142.46	7	beluga	1	0	swim	270	True
261	70.9	-142.46	7	beluga	1	0	swim	90	True
269	71.06	-142.46	7	beluga	1	0	swim	330	True
271	71.08	-142.46	7	beluga	1	0	swim	150	True
272	71.09	-142.46	7	beluga	1	0	swim	-1	True
273	71.09	-142.46	7	beluga	1	0	swim	330	True
295	71.07	-142.96	7	beluga	2	1	swim	-1	True
296	71.06	-142.96	7	beluga	2	1	swim	300	True
303	70.95	-142.96	7	beluga	1	0	swim	180	True
314	70.78	-142.96	7	beluga	2	0	swim	270	True
315	70.78	-142.96	6	beluga	1	0	swim	270	True
317	70.75	-142.96	7	beluga	2	1	swim	300	True

319	70.75	-142.96	7	beluga	2	0	swim	300	True
322	70.71	-142.96	7	beluga	17	9	swim	300	True
347	70.32	-142.96	5	bowhead whale	1	0	rest	-1	True
352	70.34	-142.91	5	bowhead whale	1	1	rest	-1	False
365	70.22	-142.96	4	bowhead whale	1	0	swim	270	True
372	70.2	-142.96	5	bowhead whale	1	0	dive	-1	True
375	70.19	-142.97	5	bowhead whale	1	0	swim	2	False
390	70.14	-143.16	4	bowhead whale	1	0	swim	298	False
415	70.37	-143.46	4	beluga	18	0	swim	270	True
464	71.14	-143.46	6	beluga	1	0	swim	-1	True
465	71.15	-143.46	6	beluga	1	0	swim	-1	True
497	70.87	-143.96	6	beluga	2	1	swim	270	True
498	70.87	-143.96	6	beluga	2	0	swim	300	True
499	70.86	-143.96	6	beluga	2	0	swim	270	True
500	70.86	-143.96	6	beluga	2	0	swim	-1	True
502	70.83	-143.96	6	beluga	12	3	swim	270	True
503	70.83	-143.96	6	beluga	17	4	swim	270	True
536	70.4	-143.95	4	beluga	1	0	swim	90	True
545	70.26	-143.95	4	beluga	1	0	swim	-1	True
547	70.24	-143.95	4	bowhead whale	1	0	rest	-1	True
607	70.13	-145.69	4	beluga	8	0	swim	336	True

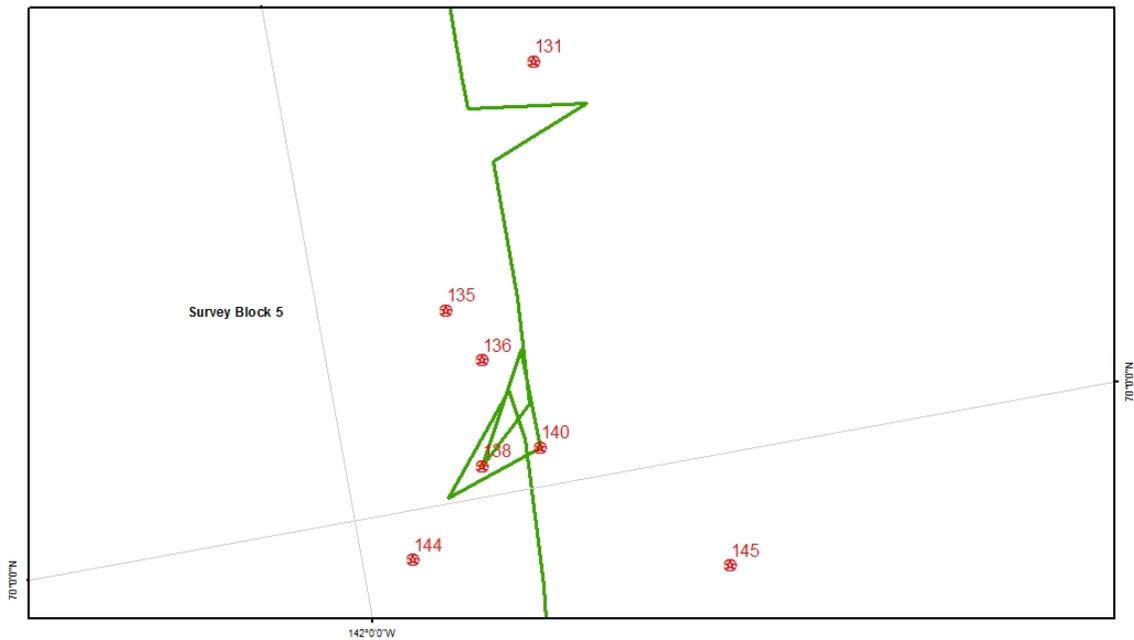


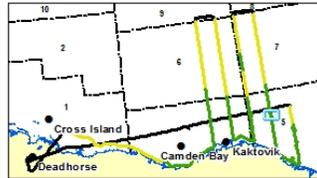
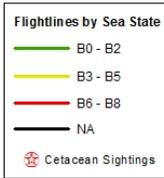


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Aerial Surveys of Arctic Marine Mammals Program
Flight 9, High Density Cluster 1, 8/5/2017

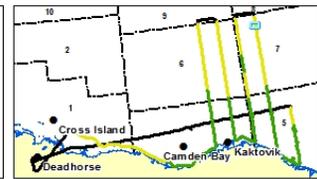
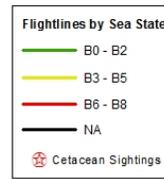
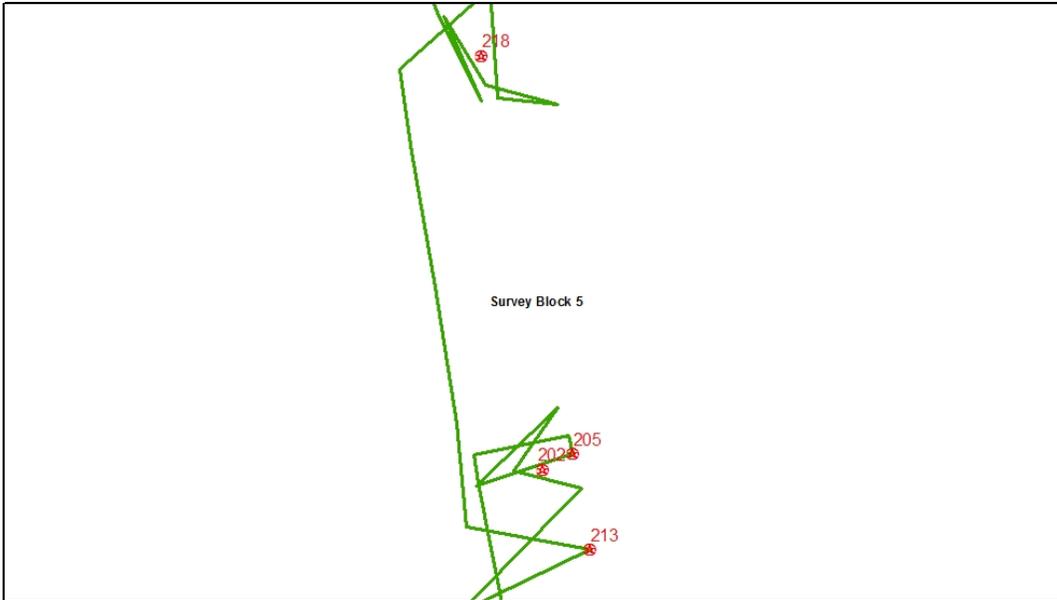
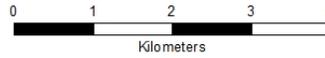


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Flight 9, High Density Cluster 2, 8/5/2017

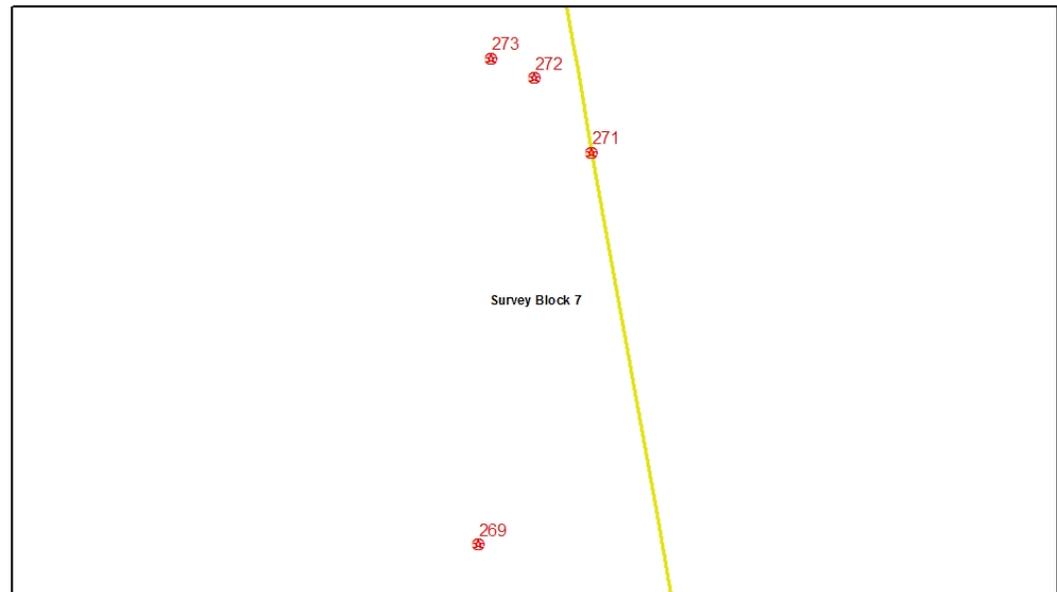
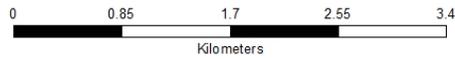


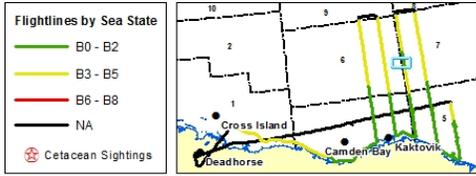


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 Flight 9, High Density Cluster 3, 8/5/2017

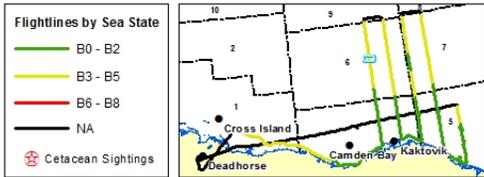
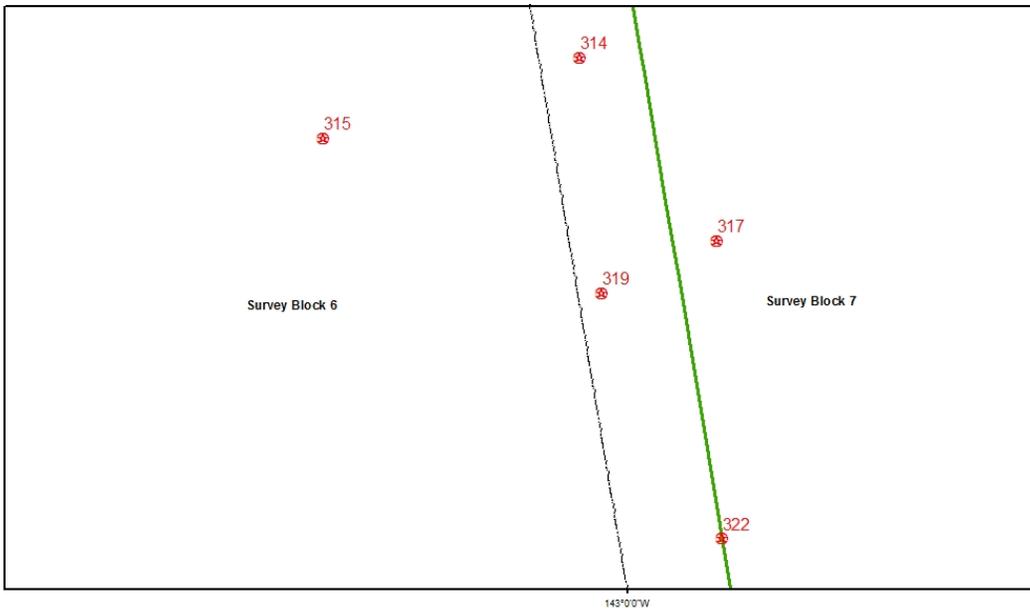
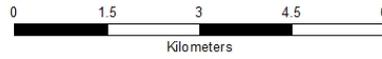


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 Flight 9, High Density Cluster 4, 8/5/2017

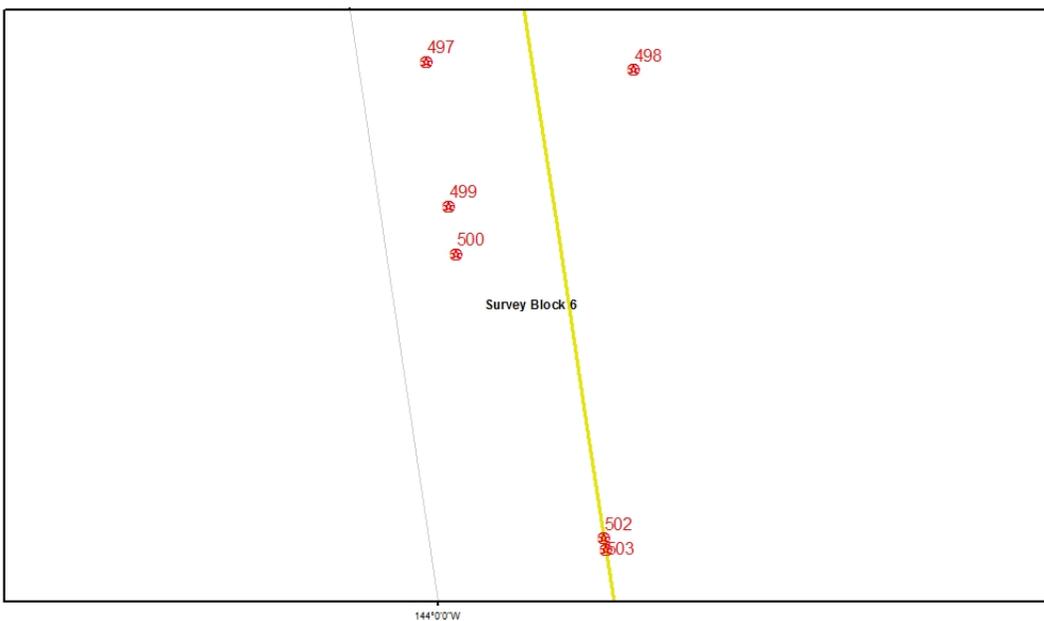




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 Flight 9, High Density Cluster 6, 8/5/2017





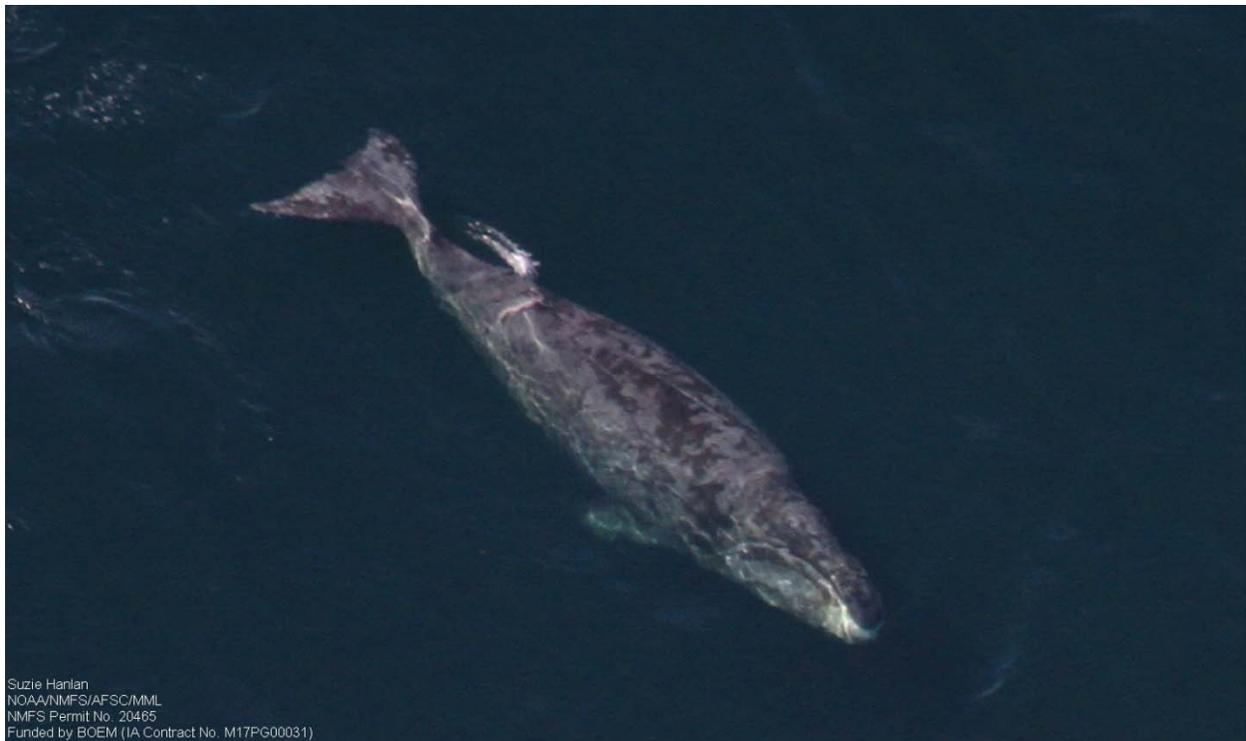
Pair of bowhead whale calves observed approximately 60 km east of Kaktovik, Alaska (event 95), during ASAMM-Beaufort Flight 9, 5 August 2017. The calves were initially seen alone at the surface, milling and socializing. They were eventually joined by first one adult and then another adult, presumably the moms (see below).



Adult bowhead whale with two calves observed approximately 60 km east of Kaktovik, Alaska (event 95), during ASAMM-Beaufort Flight 9, 5 August 2017.



The “other” mom from event 95, ASAMM-Beaufort Flight 9, 5 August 2017.



One of the calves from event 95, ASAMM-Beaufort Flight 9, 5 August 2017, with what appears to be a serious case of skin sloughing.



Bowhead whale cow-calf pair observed approximately 40 km northeast of Kaktovik, Alaska (event 218), during ASAMM-Beaufort Flight 9, 5 August 2017. This calf appears to be significantly smaller in size relative to the cow when compared to the calves shown from event 95.