

## ASAMM-Beaufort – Flight 33 – 19 September 2017

Area flown: Block 12, 1 partial transect; transect 8, complete; transect 10, complete.

Total hours flown: 6.3 (3 flights)

Total transect hours: 2.3

Number of bowhead whales seen: 1 (0 calves)

Weather and visibility: Skies were clear to overcast. Sea state ranged from Beaufort 2 to 6.

Visibility ranged from 1 km to unlimited, with fog, glare, low ceilings, and precipitation. There was no sea ice in the area surveyed. High sea state in block 12 precluded further survey effort there.

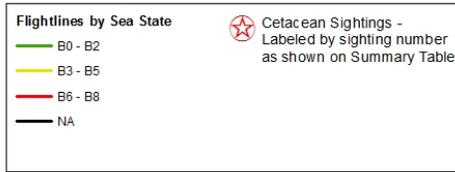
Sightings: One bowhead whale, gray whales, killer whales, walruses, one bearded seal, unidentified pinnipeds, and small unidentified pinnipeds.

### Preliminary Summary, Flight 33 Date: Tuesday, September 19, 2017

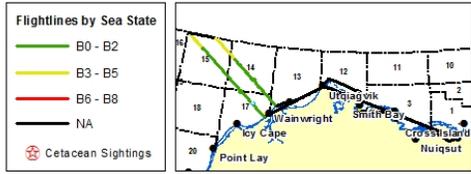
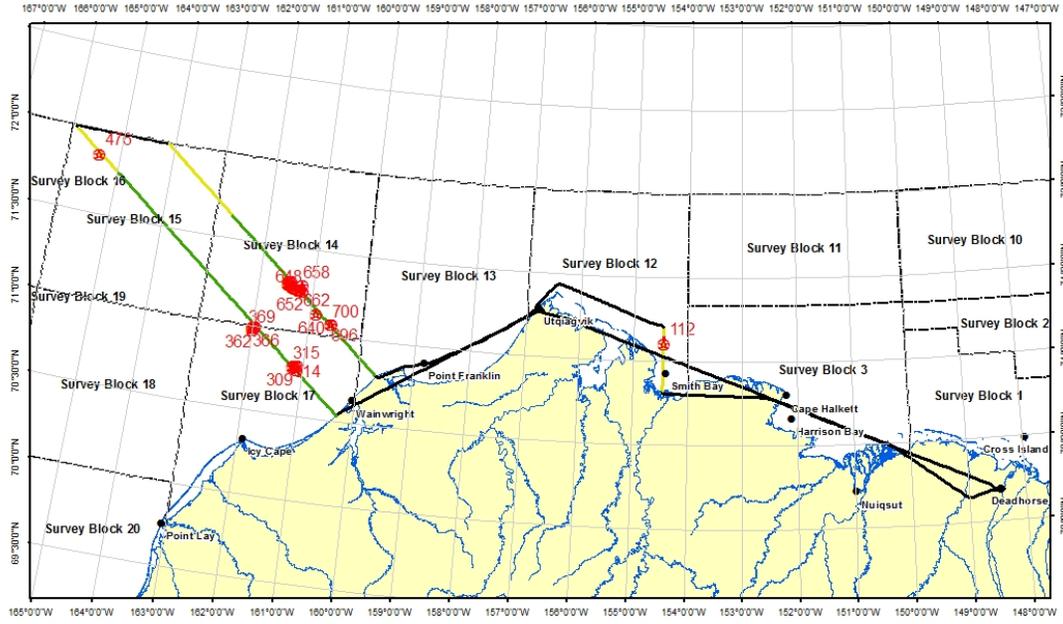
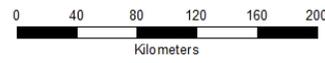
Total bowhead whales: 1	Start time: 9/19/2017 11:59:28 AM	End time: 9/19/2017 9:27:25 PM
Bowhead whale sightings: 1	Transect minutes: 139	Transect km: 502.9
Bowhead whales on transect: 1	Circling minutes: 56	Circling km: 143.2
Bowhead whale calves: 0	Trans+Circ minutes: 194	Trans+Circ km: 646.1
Bowhead whale calves on transect: 0	Search minutes: 0	Search km: 1.1
Bowhead whale repeats: 0	Total minutes: 380	Total km: 1691.7
Possible repeats: 0	Deadhead minutes: 186	Deadhead km: 1044.5
Total gray whales: 42	Search blocks: 12,13,15	
Total belugas: 0	Transect blocks: 12,13,14,15,17	
Other whale sightings: 2		
walrus: yes		
Total polar bears: 0		

### Cetacean Sightings:

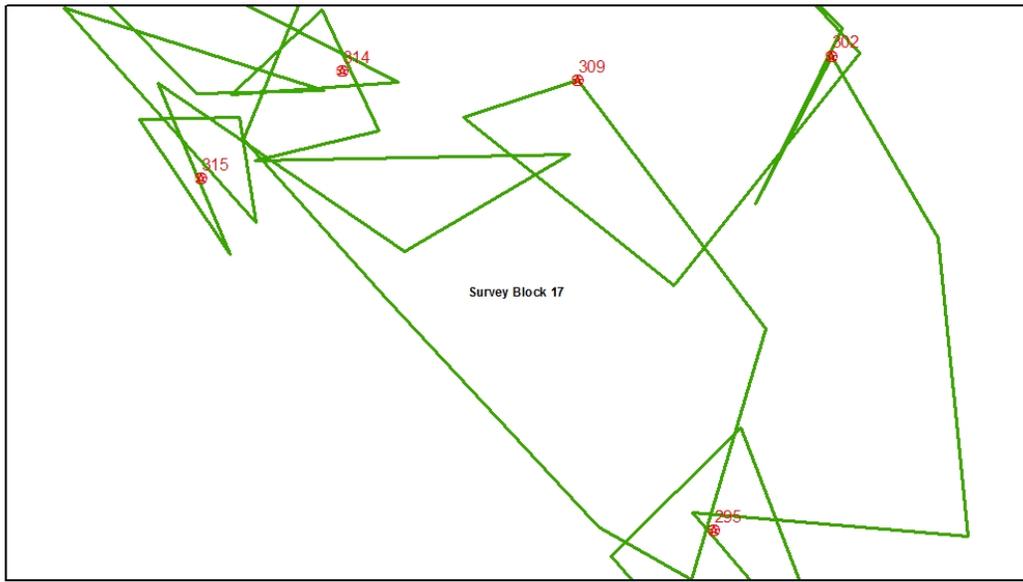
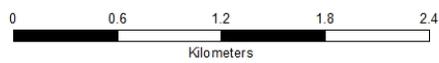
Event	Lat	Long	Block	Species	Total	Calves	Behavior	Swim Direction	On Effort
112	71.1	-154.45	12	bowhead whale	1	0	dive	-1	True
295	70.77	-161.1	17	gray whale	1	0	swim	161	True
302	70.8	-161.09	17	gray whale	1	0	swim	-1	False
309	70.8	-161.13	17	gray whale	3	0	feed	-1	False
314	70.79	-161.17	17	gray whale	1	0	breach	-1	True
315	70.79	-161.18	17	gray whale	2	0	mill	-1	True
358	71	-161.95	17	gray whale	1	0	feed	-1	True
361	70.99	-161.99	17	gray whale	1	0	feed	-1	False
362	70.99	-161.98	17	gray whale	1	0	feed	-1	False
363	70.99	-161.96	17	gray whale	1	0	feed	-1	False
366	70.99	-162.01	17	gray whale	1	0	swim	-1	False
369	70.97	-162.01	17	gray whale	3	0	feed	-1	False
476	71.86	-165.36	15	killer whale	2	0	swim	216	True
617	71.3	-161.41	14	gray whale	2	0	feed	-1	False
630	71.28	-161.46	14	gray whale	1	0	feed	-1	False
631	71.28	-161.46	14	gray whale	2	0	feed	-1	False
632	71.28	-161.46	14	gray whale	2	0	feed	-1	False
633	71.29	-161.43	14	gray whale	2	0	feed	-1	False
634	71.29	-161.45	14	gray whale	2	0	feed	-1	False
638	71.28	-161.34	14	gray whale	2	0	feed	-1	True
640	71.26	-161.33	14	gray whale	1	0	feed	-1	False
641	71.26	-161.35	14	gray whale	1	0	feed	-1	False
646	71.25	-161.25	14	gray whale	3	0	feed	-1	True
647	71.25	-161.24	14	gray whale	1	0	feed	-1	True
648	71.25	-161.23	14	gray whale	1	0	feed	-1	True
652	71.25	-161.24	14	gray whale	1	0	feed	-1	False
658	71.28	-161.2	14	gray whale	1	0	feed	-1	False
662	71.24	-161.18	14	gray whale	2	0	feed	-1	True
696	71.07	-160.6	14	gray whale	1	0	swim	192	True
700	71.07	-160.58	14	gray whale	1	0	swim	-1	False

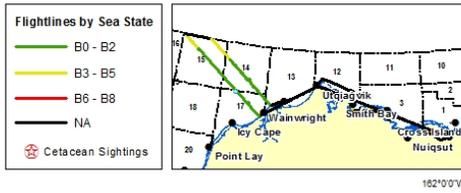


NOAAAFSC/MML-BOEM  
Aerial Surveys of Arctic Marine Mammals Program  
Flight 33, 9/19/2017 11:59:28 AM

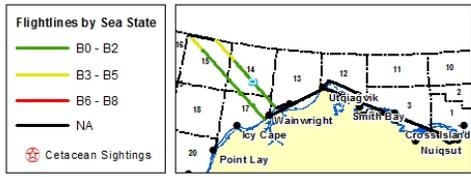
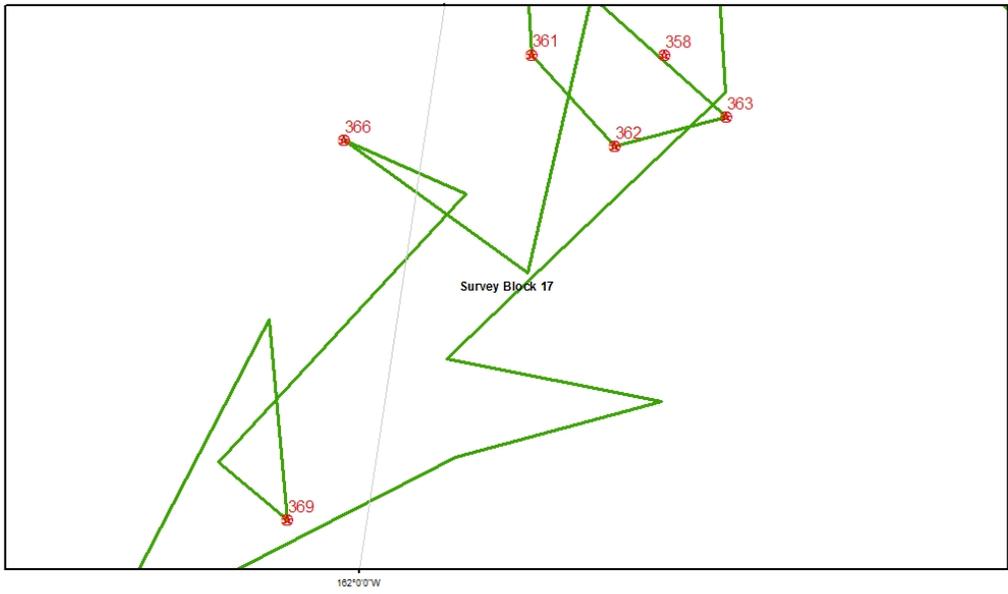
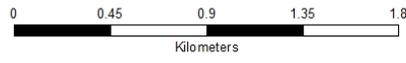


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Aerial Surveys of Arctic Marine Mammals Program  
Flight 33, High Density Cluster 1, 9/19/2017

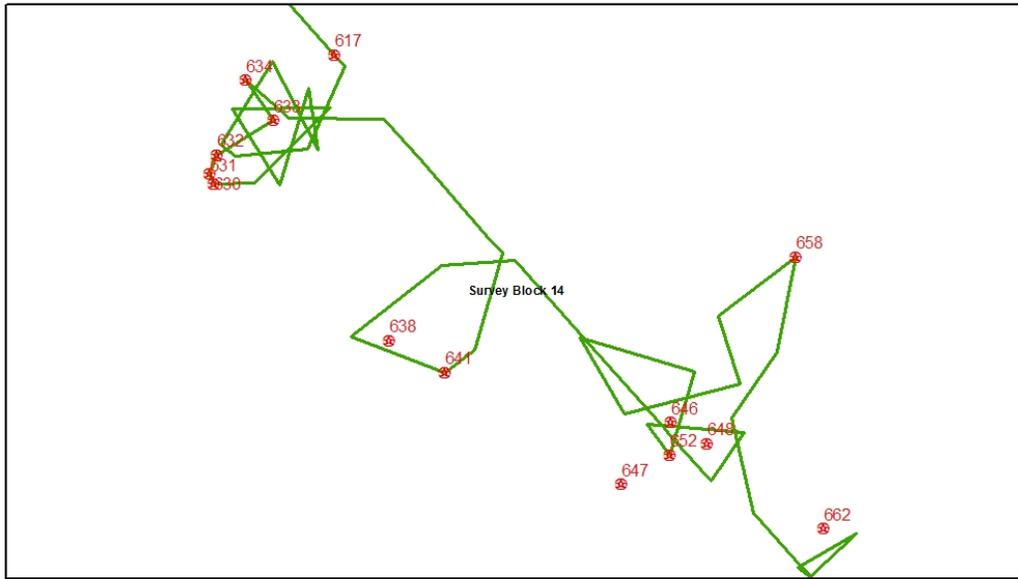
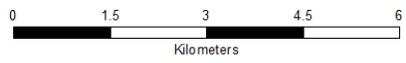




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Aerial Surveys of Arctic Marine Mammals Program  
Flight 33, High Density Cluster 2, 9/19/2017



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Aerial Surveys of Arctic Marine Mammals Program  
Flight 33, High Density Cluster 3, 9/19/2017





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NOAA/NMFS/AFSC/MML  
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Pair of killer whales observed approximately 255 km northwest of Utqiagvik, Alaska (Event 476), ASAMM-Beaufort Flight 33, 19 September 2017. The whale that is subsurface is ventral side up.