

## ASAMM-Chukchi – Flight 209 – 19 July 2014

Area flown: Transects 1 and 3, complete; transects 5 and 7, partial

Total hours flown: 3.1

Total transect hours: 1.2

Number of bowheads seen: none

Weather and visibility: Partly cloudy to overcast. Sea state ranged from Beaufort 1-3. Visibility varied from <1 km to 5-10 km, with low ceilings, fog, and glare. Fog and low ceilings precluded surveying offshore lines 5 and 7. Ice cover ranged from 20-90% broken floe in the area surveyed.

Sightings: Gray whales (including 7 calves), belugas (including 2 calves), walruses, small unidentified pinnipeds, and unidentified pinnipeds.

### Preliminary Summary, Flight 209 Date: 7/19/2014

Total bowhead whales: 0	Start time: 7/19/2014 3:24:34 PM	End time: 7/19/2014 6:32:50 PM
Bowhead whale sightings: 0	Transect minutes: 69	Transect km:238.7
Bowhead whales on transect: 0	Circling minutes: 43	Circling km: 63.5
Bowhead whale cow-calf pairs: 0	Trans+Circ minutes: 112	Trans+Circ km: 302.2
Bowhead whale cow-calf pairs on transect: 0	Search minutes: 54	Search km: 194
Bowhead whale repeats: 0	Total minutes: 188	Total km: 576
Possible repeats: 0	Deadhead minutes: 22	Deadhead km: 79.8
Total gray whales: 23	Search blocks: 12, 0, 13	
Total belugas: 14	Transect blocks: 13	
Other whale sightings: 0		
Total walrus: 412		
Total polar bears: 0		

### Cetacean Sightings:

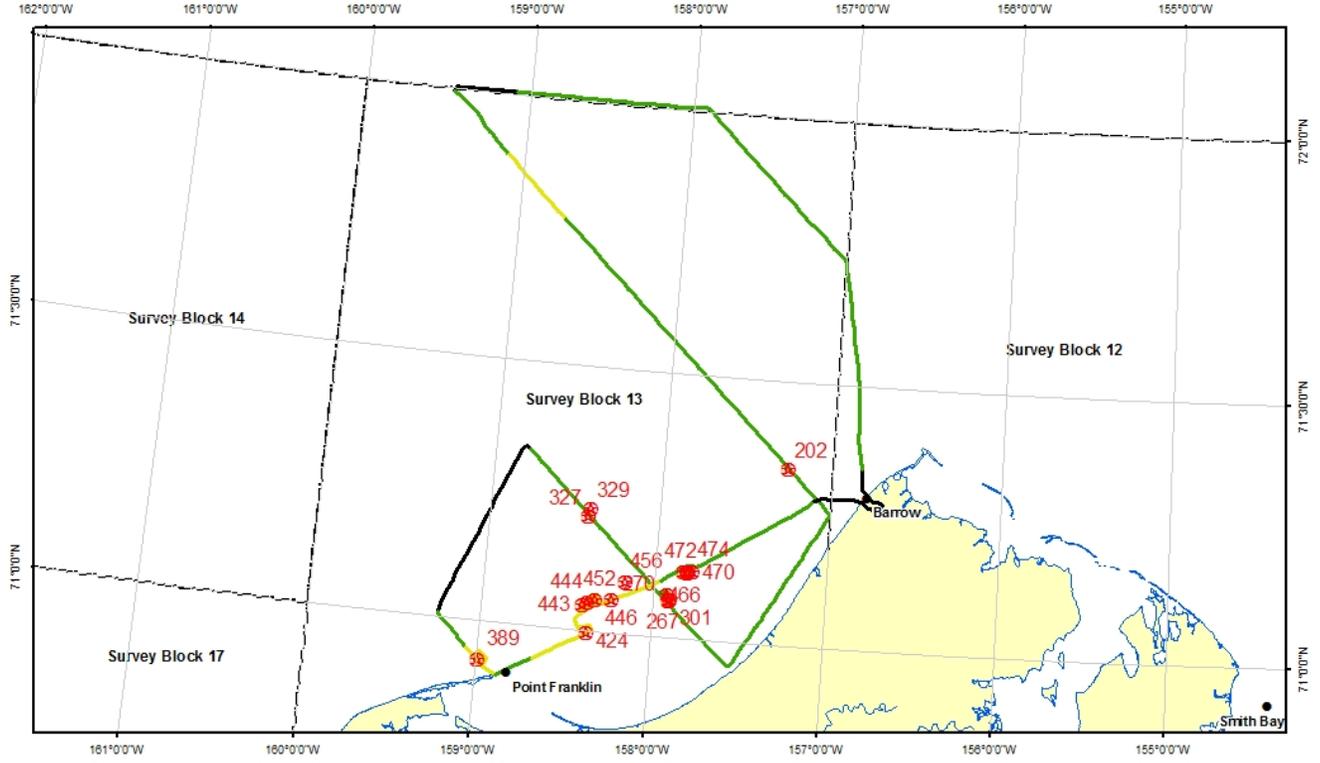
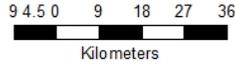
Event	Lat	Long	Block	Species	Total	Calves	Behavior	Swim Direction	On Effort
202	71.34	-157.26	13	beluga	12	2	swim	44	True
266	71.07	-157.91	13	gray whale	2	1	feed	-1	True
267	71.07	-157.92	13	gray whale	2	1	feed	-1	True
270	71.08	-157.94	13	gray whale	1	0	feed	-1	True
301	71.07	-157.9	13	gray whale	2	1	swim	-1	False
327	71.22	-158.41	13	beluga	1	0	swim	43	True
329	71.23	-158.43	13	beluga	1	0	swim	135	True
389	70.93	-158.99	13	gray whale	1	0	swim	224	True
424	71	-158.37	13	gray whale	1	0	feed	-1	False
443	71.05	-158.41	13	gray whale	2	1	swim	-1	False
444	71.05	-158.38	13	gray whale	1	0	feed	-1	False
446	71.06	-158.34	13	gray whale	2	1	swim	-1	False
452	71.06	-158.24	13	gray whale	2	1	swim	-1	False
456	71.08	-158.14	13	gray whale	2	0	feed	-1	False
466	71.14	-157.83	13	gray whale	1	0	feed	-1	False
470	71.13	-157.79	13	gray whale	1	0	rest	-1	False
472	71.13	-157.83	13	gray whale	2	1	feed	-1	False
474	71.13	-157.81	13	gray whale	1	0	feed	-1	False

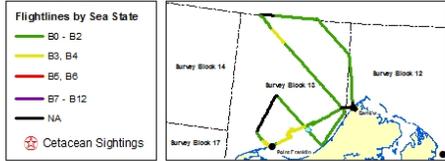
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 Flight 209, 7/19/2014 3:15:46 PM

**Flightlines by Sea State**

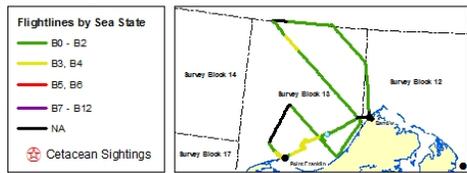
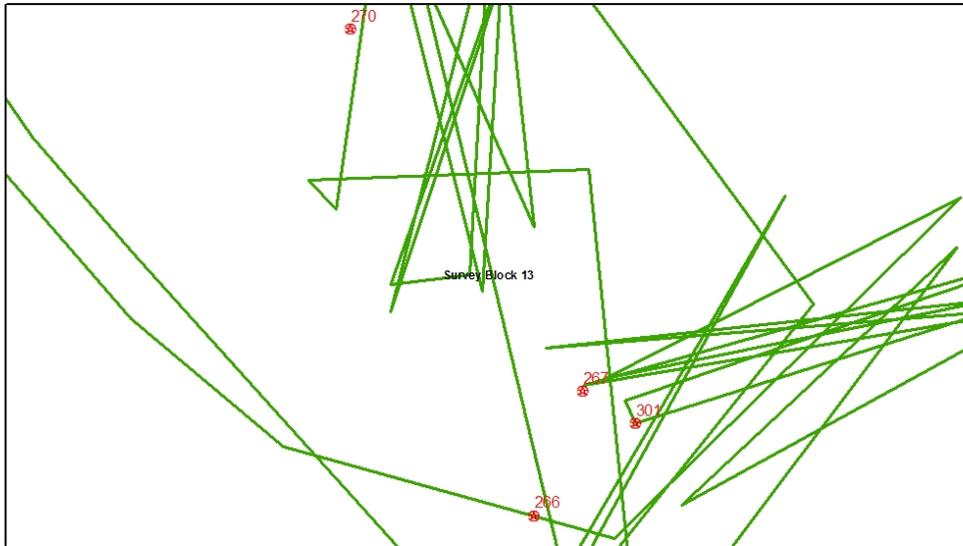
- B0 - B2
- B3, B4
- B5, B6
- B7 - B12
- NA

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

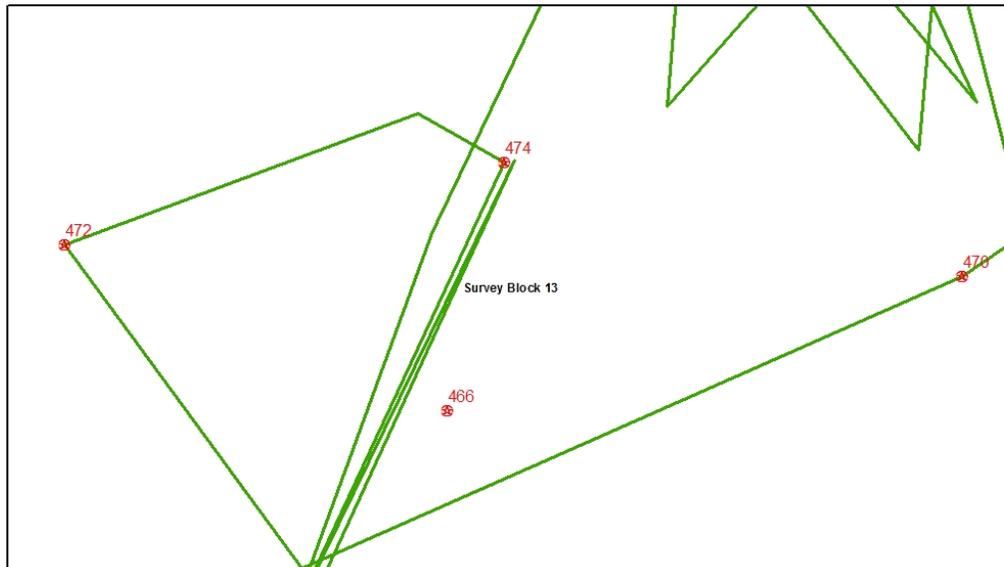
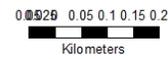




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 Flight 209, High Density Cluster 1, 7/19/2014 3:15:46 PM



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 Aerial Surveys of Arctic Marine Mammals Program  
 Flight 209, High Density Cluster 2, 7/19/2014 3:15:46 PM





**Feeding gray whale (event 301)**  
**ASAMM – Chukchi Flight 209, 19 July 2014**



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# Walrus Sightings:

