

## ASAMM-Beaufort – Flight 33 – 21 September 2015

Area flown: Block 12, 5 complete transects and 1 partial transect.

Total hours flown: 6.0 (2 flights)

Total transect hours: 2.1

Number of bowhead whales seen: 187 (6 calves)

Weather and visibility: Skies were partly cloudy to overcast. Sea state ranged from Beaufort 1 to 3. Visibility varied from 0 to 10 km; with visual impediments including low ceiling, precipitation, ice on windows, and glare. Sea ice cover ranged from 0–5% new ice in the area surveyed.

Sightings: Bowhead whales, belugas, and small unidentified pinnipeds.

### Preliminary Summary, Flight 33 Date: 9/21/2015

Total bowhead whales: 187	Start time: 9/21/2015 11:55:19 AM	End time: 9/21/2015 6:56:00 PM
Bowhead whale sightings: 76	Transect minutes: 126	Transect km:456.1
Bowhead whales on transect: 20	Circling minutes: 82	Circling km: 260.4
Bowhead whale cow-calf pairs: 6	Trans+Circ minutes: 208	Trans+Circ km: 716.5
Bowhead whale cow-calf pairs on transect: 3	Search minutes: 10	Search km: 42
Bowhead whale repeats: 0	Total minutes: 362	Total km: 1532.3
Possible repeats: 0	Deadhead minutes: 144	Deadhead km: 773.8
Total gray whales: 0	Search blocks: 12, 0	
Total belugas: 4	Transect blocks: 12, 13	
Other whale sightings: 0		
Walrus: No		
Total polar bears: 0		

Event	Lat	Long	Block	Species	Total	Calves	Behavior	Swim Direction	On Effort
100	71.04	-154.26	12	bowhead whale	1	0	swim	299	True
101	71.04	-154.27	12	bowhead whale	1	0	swim	88	True
108	71.03	-154.3	12	bowhead whale	1	0	swim	-1	False
111	71.05	-154.32	12	bowhead whale	2	0	swim	-1	False
113	71.04	-154.36	12	bowhead whale	1	0	swim	70	False
119	71.04	-154.31	12	bowhead whale	1	0	swim	-1	False
120	71.05	-154.35	12	bowhead whale	1	0	swim	-1	False
131	71.04	-154.26	12	bowhead whale	1	0	swim	267	True
133	71.06	-154.27	12	bowhead whale	1	0	swim	174	True
274	71.21	-154.57	12	bowhead whale	2	1	swim	270	True
275	71.2	-154.57	12	bowhead whale	1	1	swim	329	True
282	71.21	-154.46	12	bowhead whale	1	0	swim	-1	False
284	71.22	-154.45	12	bowhead whale	1	0	swim	-1	False
295	71.21	-154.58	12	bowhead whale	2	1	swim	-1	False
301	71.19	-154.45	12	bowhead whale	2	0	swim	-1	False
303	71.2	-154.41	12	bowhead whale	1	0	swim	-1	False
318	71.07	-154.55	12	bowhead whale	1	1	swim	28	True
319	71.07	-154.55	12	bowhead whale	2	0	swim	-1	True
320	71.06	-154.55	12	bowhead whale	1	0	swim	269	True
324	71.05	-154.6	12	bowhead whale	5	0	swim	-1	False
326	71.06	-154.6	12	bowhead whale	2	0	feed	-1	False
327	71.06	-154.59	12	bowhead whale	1	0	feed	-1	False
328	71.06	-154.59	12	bowhead whale	1	0	feed	-1	False
332	71.04	-154.6	12	bowhead whale	1	0	feed	-1	False
348	71.07	-154.65	12	bowhead whale	1	0	feed	-1	False
349	71.07	-154.65	12	bowhead whale	1	0	feed	-1	False
351	71.08	-154.65	12	bowhead whale	2	0	feed	-1	False
352	71.09	-154.66	12	bowhead whale	2	0	feed	-1	False
355	71.09	-154.62	12	bowhead whale	2	0	feed	-1	False
356	71.09	-154.63	12	bowhead whale	1	0	dive	-1	False
369	71.08	-154.55	12	bowhead whale	7	1	feed	-1	False
371	71.07	-154.55	12	bowhead whale	6	0	feed	-1	False
374	71.05	-154.52	12	bowhead whale	1	0	feed	-1	False

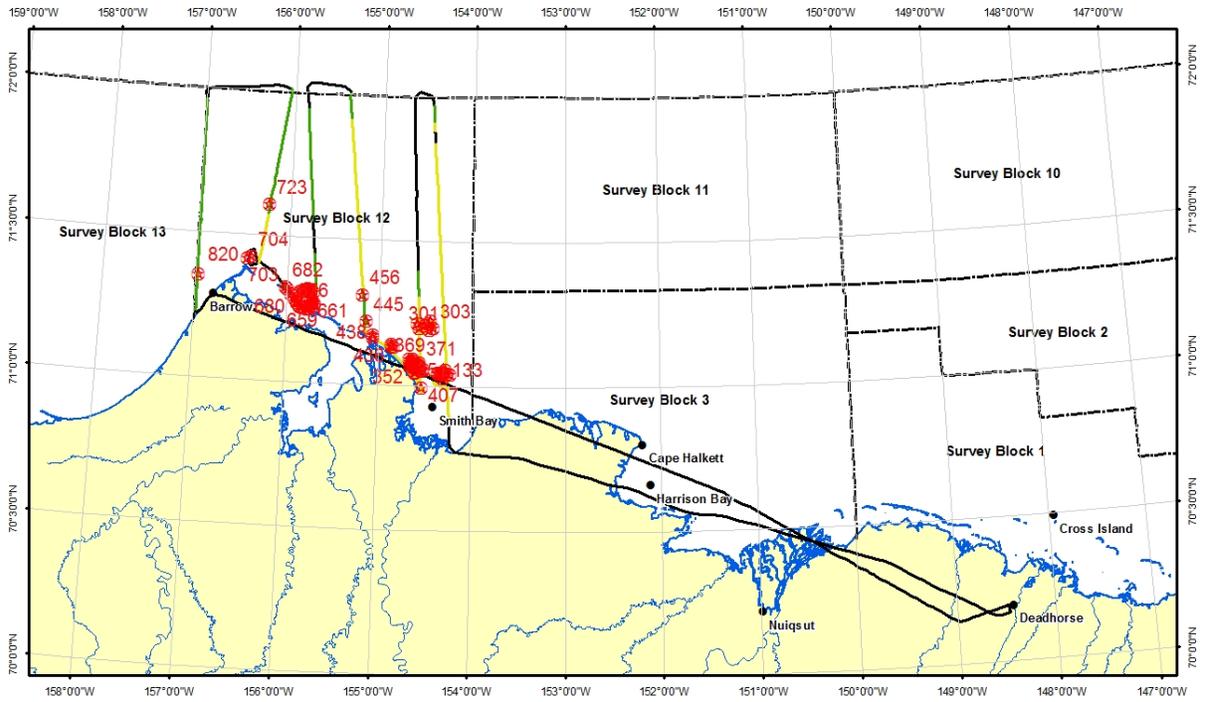
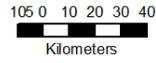
381	71.06	-154.51	12	bowhead whale	1	0	unknown	-1	False
407	70.99	-154.52	12	bowhead whale	2	0	feed	147	False
420	71.12	-154.88	12	bowhead whale	1	0	feed	-1	False
424	71.14	-154.85	12	bowhead whale	1	0	feed	-1	False
426	71.13	-154.84	12	bowhead whale	2	0	feed	-1	False
436	71.16	-155.05	12	bowhead whale	1	0	swim	37	False
438	71.17	-155.06	12	bowhead whale	1	0	swim	124	False
445	71.22	-155.16	12	bowhead whale	1	0	swim	245	True
456	71.31	-155.18	12	bowhead whale	1	0	swim	260	False
598	71.32	-155.69	12	bowhead whale	1	0	feed	-1	True
599	71.31	-155.69	12	bowhead whale	2	0	swim	88	True
603	71.29	-155.75	12	bowhead whale	5	0	swim	-1	False
606	71.32	-155.8	12	bowhead whale	2	0	feed	-1	False
608	71.32	-155.78	12	bowhead whale	20	1	feed	-1	False
609	71.32	-155.76	12	bowhead whale	3	0	feed	-1	False
610	71.31	-155.76	12	bowhead whale	3	0	feed	-1	False
611	71.31	-155.77	12	bowhead whale	3	0	feed	-1	False
617	71.32	-155.77	12	bowhead whale	1	0	feed	-1	False
618	71.31	-155.76	12	bowhead whale	2	0	feed	-1	False
629	71.32	-155.81	12	bowhead whale	1	0	feed	-1	False
636	71.31	-155.85	12	bowhead whale	1	0	feed	-1	False
637	71.31	-155.85	12	bowhead whale	1	0	feed	-1	False
639	71.3	-155.88	12	bowhead whale	2	0	dive	-1	False
642	71.28	-155.89	12	bowhead whale	1	0	swim	252	False
643	71.27	-155.88	12	beluga	2	0	swim	-1	False
645	71.26	-155.86	12	bowhead whale	2	0	feed	-1	False
646	71.26	-155.85	12	bowhead whale	30	0	feed	-1	False
648	71.26	-155.83	12	bowhead whale	1	0	feed	-1	False
650	71.25	-155.79	12	bowhead whale	1	0	dive	-1	False
651	71.25	-155.78	12	bowhead whale	1	0	feed	-1	False
652	71.25	-155.76	12	bowhead whale	1	0	feed	-1	False
653	71.25	-155.75	12	bowhead whale	1	0	feed	-1	False
654	71.25	-155.75	12	beluga	1	0	swim	-1	False
655	71.25	-155.75	12	bowhead whale	2	0	swim	97	False
658	71.27	-155.7	12	bowhead whale	2	0	feed	-1	False
659	71.27	-155.71	12	bowhead whale	12	0	feed	-1	False
661	71.28	-155.73	12	bowhead whale	3	0	feed	-1	False
668	71.27	-155.7	12	bowhead whale	3	0	feed	-1	False
674	71.29	-155.91	12	bowhead whale	1	0	feed	-1	False
676	71.3	-155.95	12	bowhead whale	1	0	feed	-1	False
680	71.32	-156	12	bowhead whale	4	0	feed	-1	False
682	71.32	-156.02	12	bowhead whale	1	0	feed	-1	False
703	71.41	-156.32	12	bowhead whale	2	0	feed	-1	True
704	71.42	-156.32	12	bowhead whale	2	0	dive	-1	True
723	71.61	-156.23	12	bowhead whale	1	0	rest	-1	True
820	71.35	-156.98	12	beluga	1	0	swim	58	True

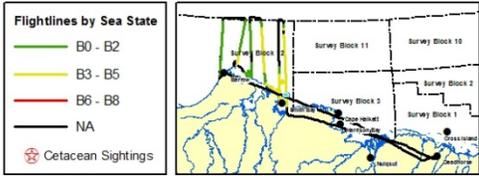
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**Flightlines by Sea State**

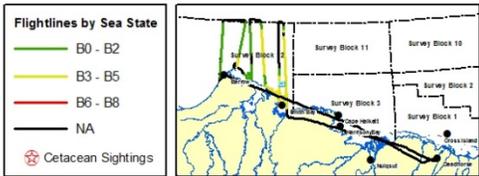
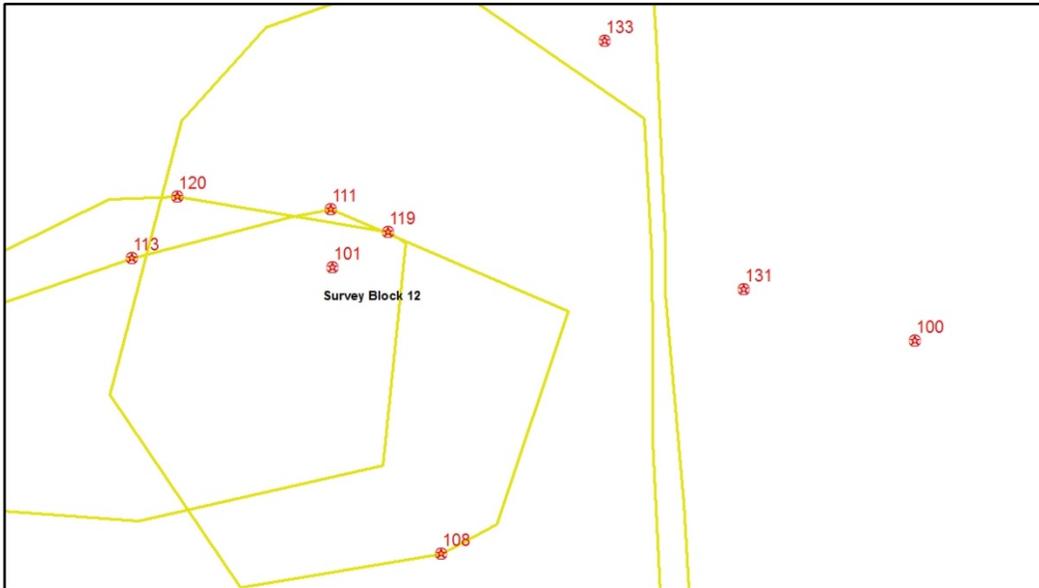
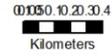
- B0 - B2
- B3 - B5
- B6 - B8
- NA

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

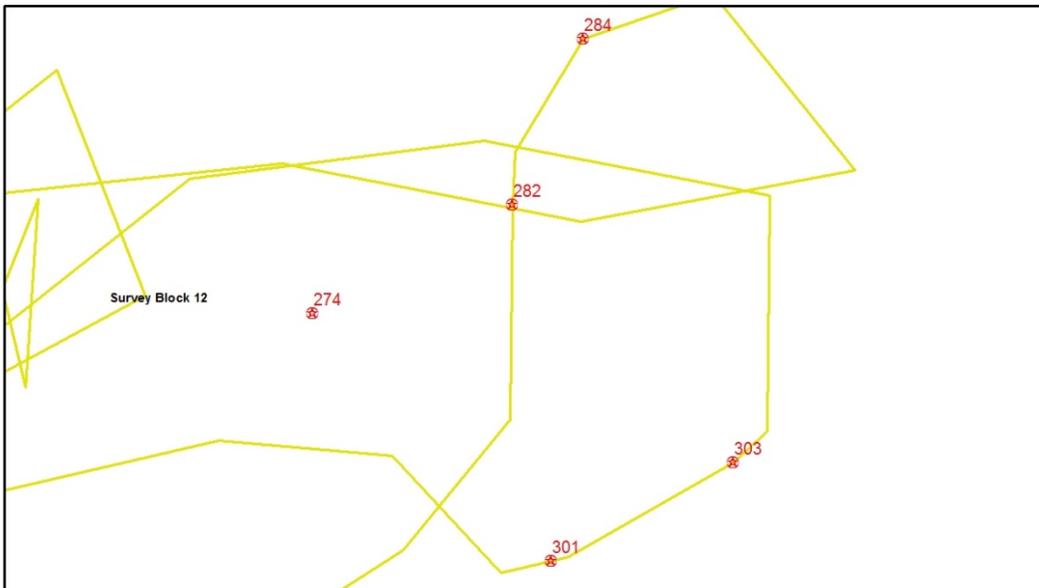
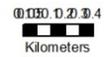


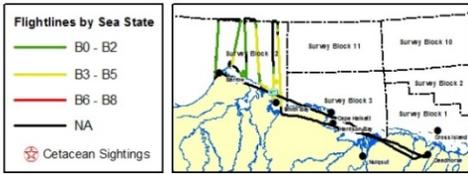


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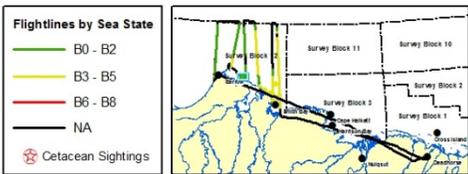
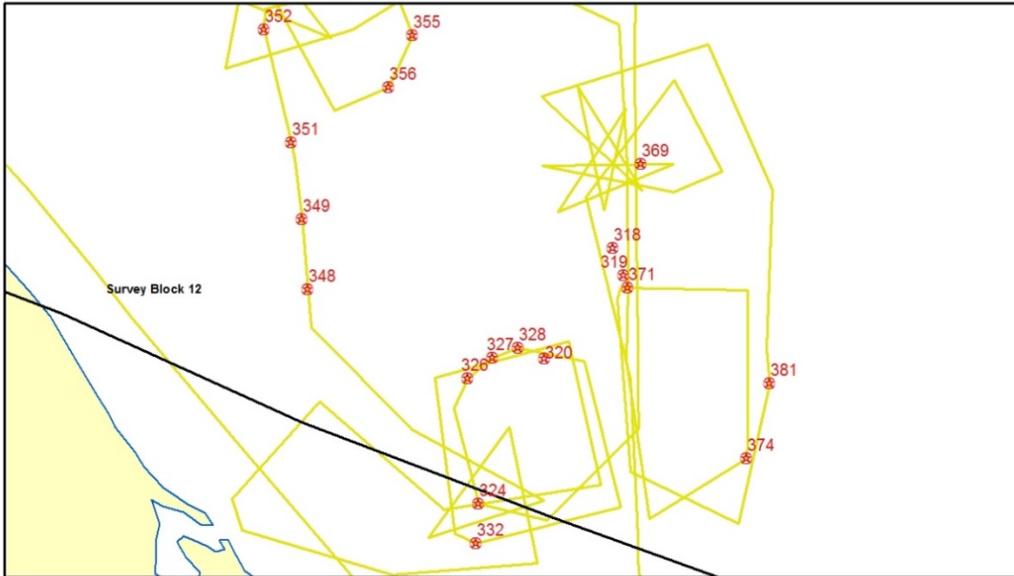


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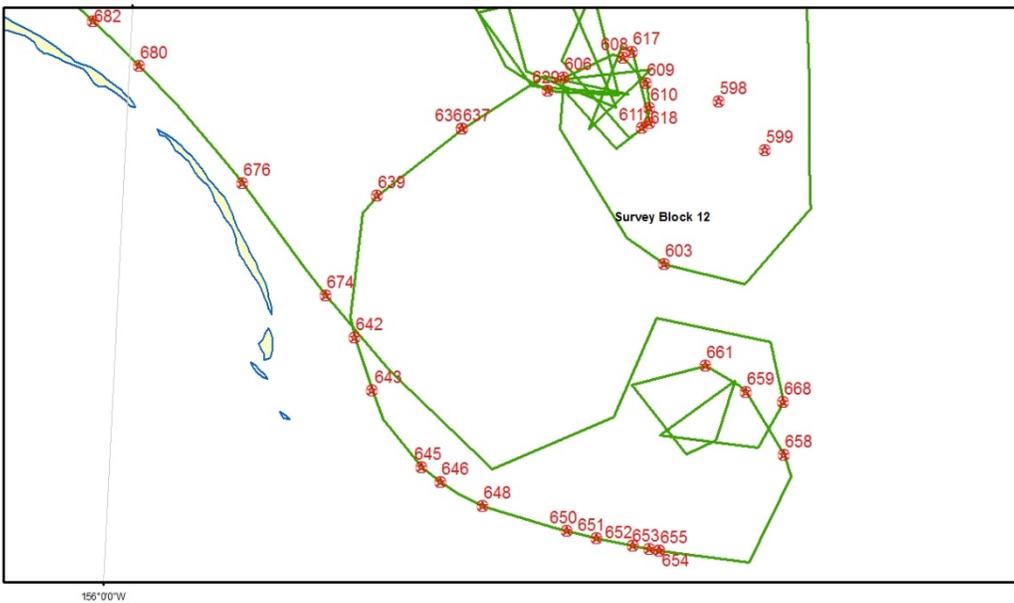


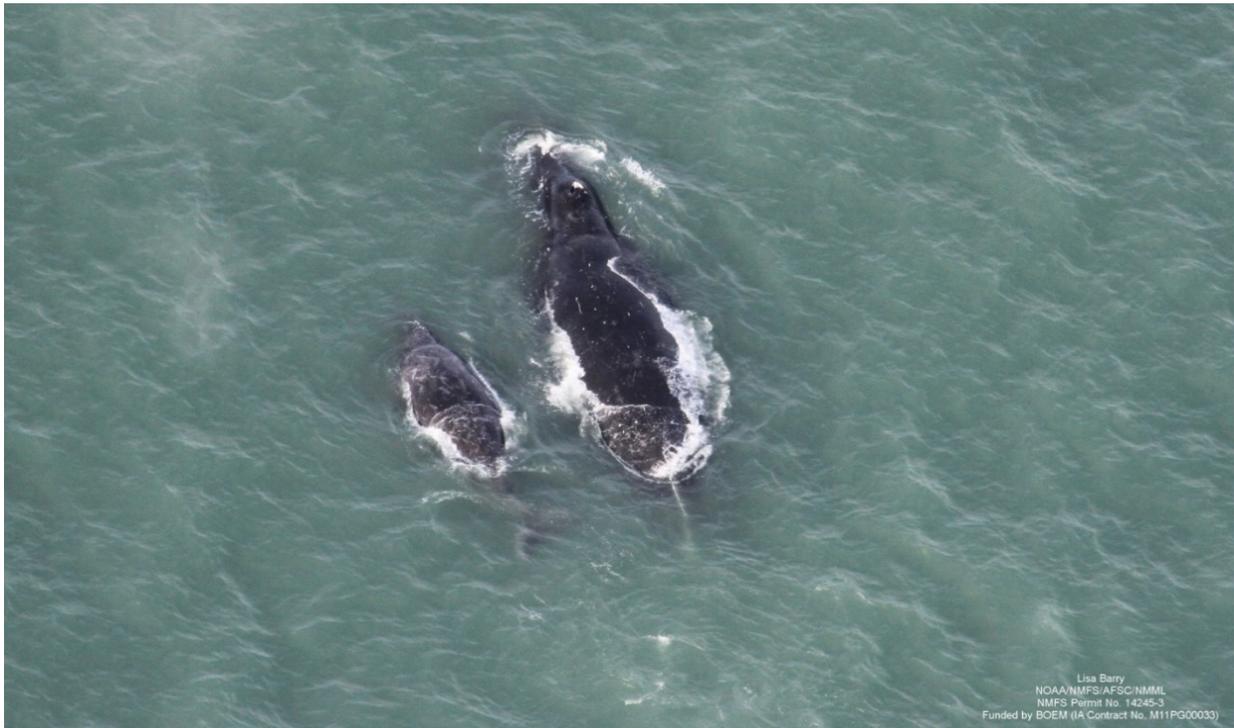


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Bowhead whale cow/calf pair sighted in the western Alaskan Beaufort Sea, ~75 km east of Barrow (Event 369), ASAMM-Beaufort Flight 33, 21 September 2015. This whale pair was part of a larger group of seven feeding bowhead whales.



Bowhead whales echelon side skim feeding sighted in the western Alaskan Beaufort Sea, ~35 km east of Barrow (Event 608), ASAMM-Beaufort Flight 33, 21 September 2015. These whales were part of a larger group of 20 feeding bowhead whales.



Broad overview of feeding bowhead whales sighted in the western Alaskan Beaufort Sea, ~35 km east of Barrow (Event 608), ASAMM-Beaufort Flight 33, 21 September 2015. These whales were part of a larger group of 20 feeding bowhead whales.



Side skim feeding bowhead whale with her calf (center bottom of photo) and parallel side feeding bowhead whales sighted in the western Alaskan Beaufort Sea, ~35 km east of Barrow (Event 608), ASAMM-Beaufort Flight 33, 21 September 2015. These whales were part of a larger group of 20 feeding bowhead whales.