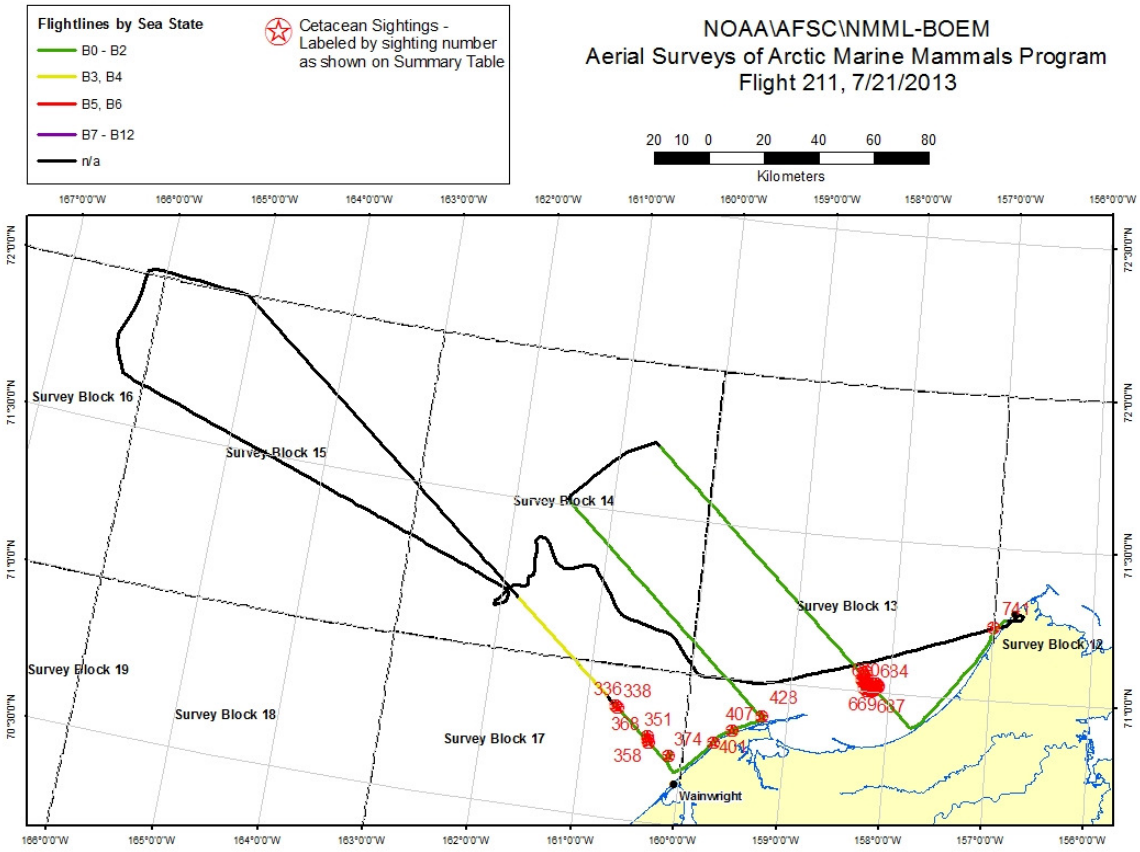
ASAMM-Chukchi – Flight 211 – 21 July 2013

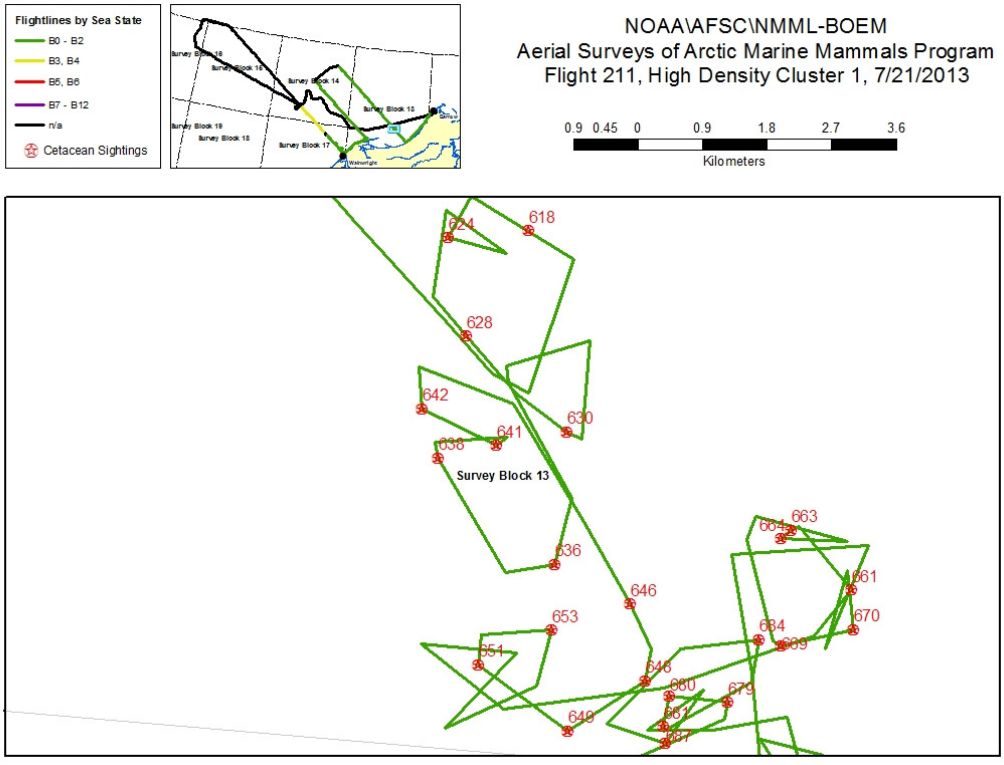
Area flown: Transects 5, 7 and 9, partial; deadhead to support USGS walrus tagging.
Total hours flown: 5.0
Total transect hours: 1.5
Number of bowheads seen: 0 (0 calves)
Weather and visibility: Partly cloudy to overcast. Sea state ranged from Beaufort 0-3. Visibility ranged from 0-10 km, with fog and low ceilings. Sea ice ranged from no ice to 90% broken floe in the area surveyed.
Sightings: Gray whales (including 23 calves), one beluga, unidentified cetaceans, walruses, unidentified pinnipeds and small unidentified pinnipeds.

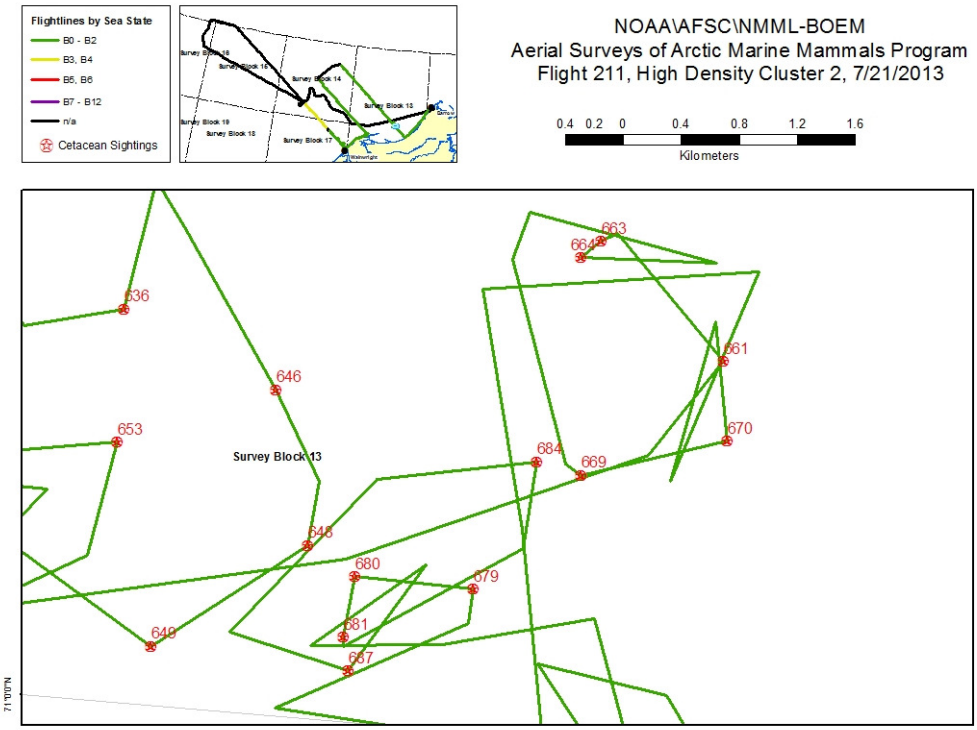
Preliminary Summary, Flight 211 Date: 7/21/2013

Total bowhead whales: 0	Start time: 7/21/2013 10:28:47 AM	End time: 7/21/2013 3:26:57 PM
Bowhead whale sightings: 0	Transect minutes: 90	Transect km:318.4
Bowhead whales on transect: 0	Circling minutes: 40	Circling km: 110.8
Bowhead whale cow-calf pairs: 0	Trans+Circ minutes: 130	Trans+Circ km: 429.2
Bowhead whale cow-calf pairs on transect: 0	Search minutes: 21	Search km: 94.9
Bowhead whale repeats: 0	Total minutes: 298	Total km: 1213.8
Possible repeats: 0	Deadhead minutes: 147	Deadhead km: 689.7
Total gray whales: 56	Search blocks: 17, 13, 14, 12	
Total belugas: 1	Transect blocks: 14, 17, 13	
Other whale sightings: 2		
Total walrus: 624		
Total polar bears: 0		

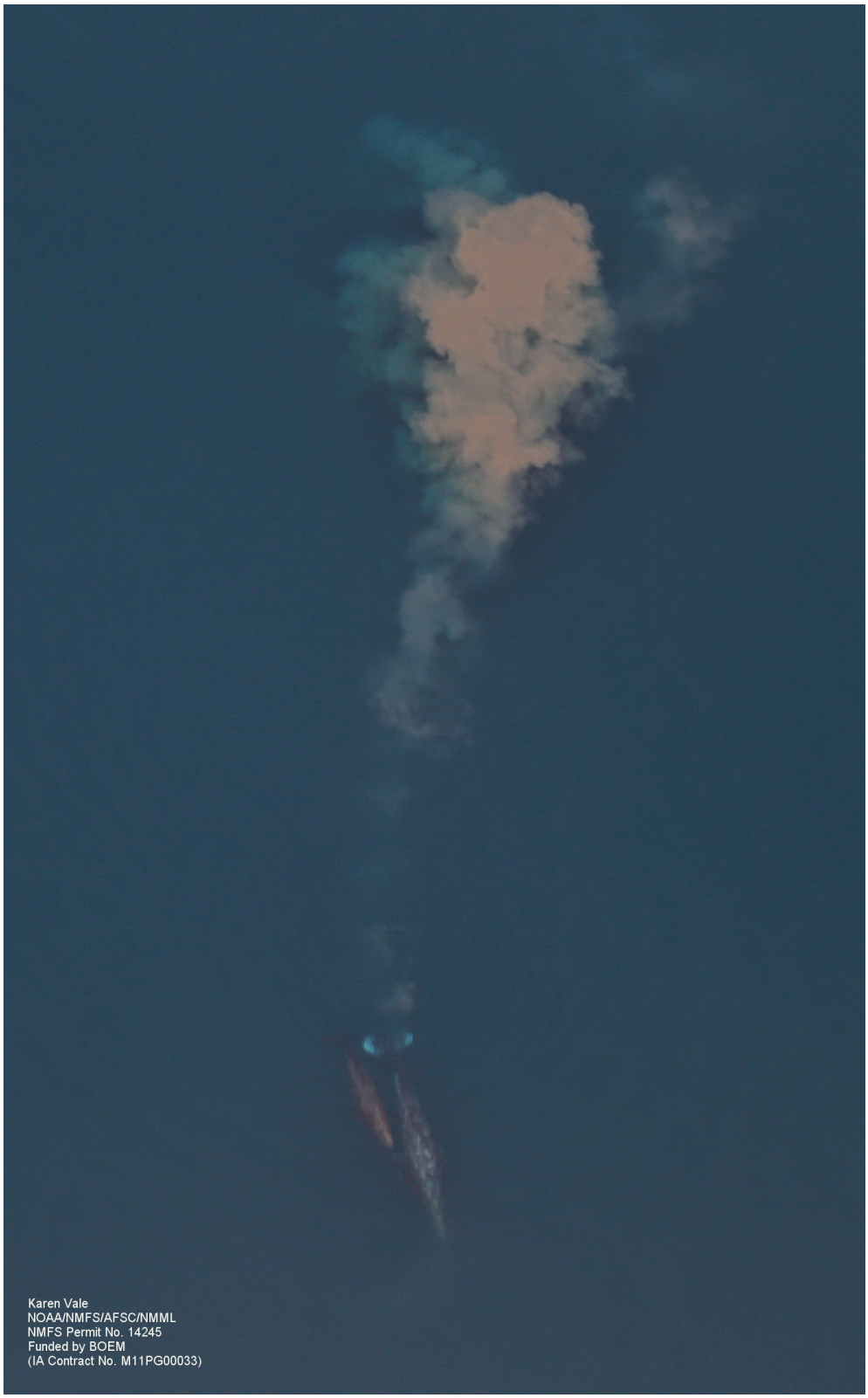
Event	Lat	Long	Block	Species	Total	Calves	Behavior	Swim Direction	On Effort
336	70.87	-160.71	17	gray whale	1	0	feed	-1	True
338	70.86	-160.69	17	gray whale	1	0	feed	-1	True
351	70.77	-160.37	17	gray whale	2	1	feed	-1	True
358	70.77	-160.35	17	gray whale	2	1	feed	-1	False
368	70.76	-160.33	17	beluga	1	0	swim	219	True
374	70.71	-160.17	17	gray whale	3	1	swim	224	True
401	70.79	-159.7	13	gray whale	1	0	swim	215	False
407	70.83	-159.53	13	gray whale	2	1	mill	-1	False
428	70.89	-159.24	13	unid cetacean	1	0	dive	-1	True
618	71.05	-158.28	13	gray whale	3	2	feed	-1	True
624	71.06	-158.28	13	gray whale	2	2	feed	-1	False
628	71.05	-158.27	13	gray whale	2	1	feed	-1	False
630	71.04	-158.23	13	gray whale	1	0	feed	-1	False
636	71.02	-158.23	13	gray whale	1	0	feed	-1	False
638	71.04	-158.28	13	gray whale	2	1	feed	-1	False
641	71.04	-158.25	13	gray whale	2	1	feed	-1	False
642	71.04	-158.28	13	gray whale	2	1	feed	-1	False
646	71.02	-158.2	13	gray whale	1	0	feed	-1	False
648	71.01	-158.19	13	gray whale	2	1	feed	-1	False
649	71	-158.22	13	gray whale	4	2	feed	-1	False
651	71.01	-158.25	13	gray whale	2	1	feed	-1	False
653	71.02	-158.23	13	gray whale	2	1	feed	-1	False
661	71.02	-158.11	13	gray whale	3	0	feed	-1	False
663	71.03	-158.14	13	gray whale	2	1	feed	-1	False
664	71.03	-158.14	13	gray whale	2	1	feed	-1	False
669	71.02	-158.14	13	gray whale	2	1	feed	-1	False
670	71.02	-158.11	13	gray whale	2	1	feed	-1	False
679	71.01	-158.16	13	gray whale	2	1	feed	-1	False
680	71.01	-158.18	13	gray whale	2	1	feed	-1	False
681	71.01	-158.18	13	gray whale	1	0	feed	-1	False
684	71.02	-158.15	13	gray whale	1	0	feed	-1	False
687	71	-158.18	13	gray whale	1	0	feed	-1	False
741	71.23	-156.97	13	unid cetacean	1	0	dive	-1	False


Flightlines by Sea State
B0 - B2
B3, B4
B5, B6
B7 - B12
n/a
Cetacean Sightings - Labeled by sighting number as shown on Summary Table
NOAA\AFSC\NMML-BOEM
Aerial Surveys of Arctic Marine Mammals Program
Flight 211, 7/21/2013
20 10 0 20 40 60 80
Kilometers
Survey Block 16
Survey Block 15
Survey Block 14
Survey Block 13
Survey Block 12
Survey Block 19
Survey Block 18
Survey Block 17
Wainwright
336
338
368
351
358
374
401
407
428
669
687
684
741

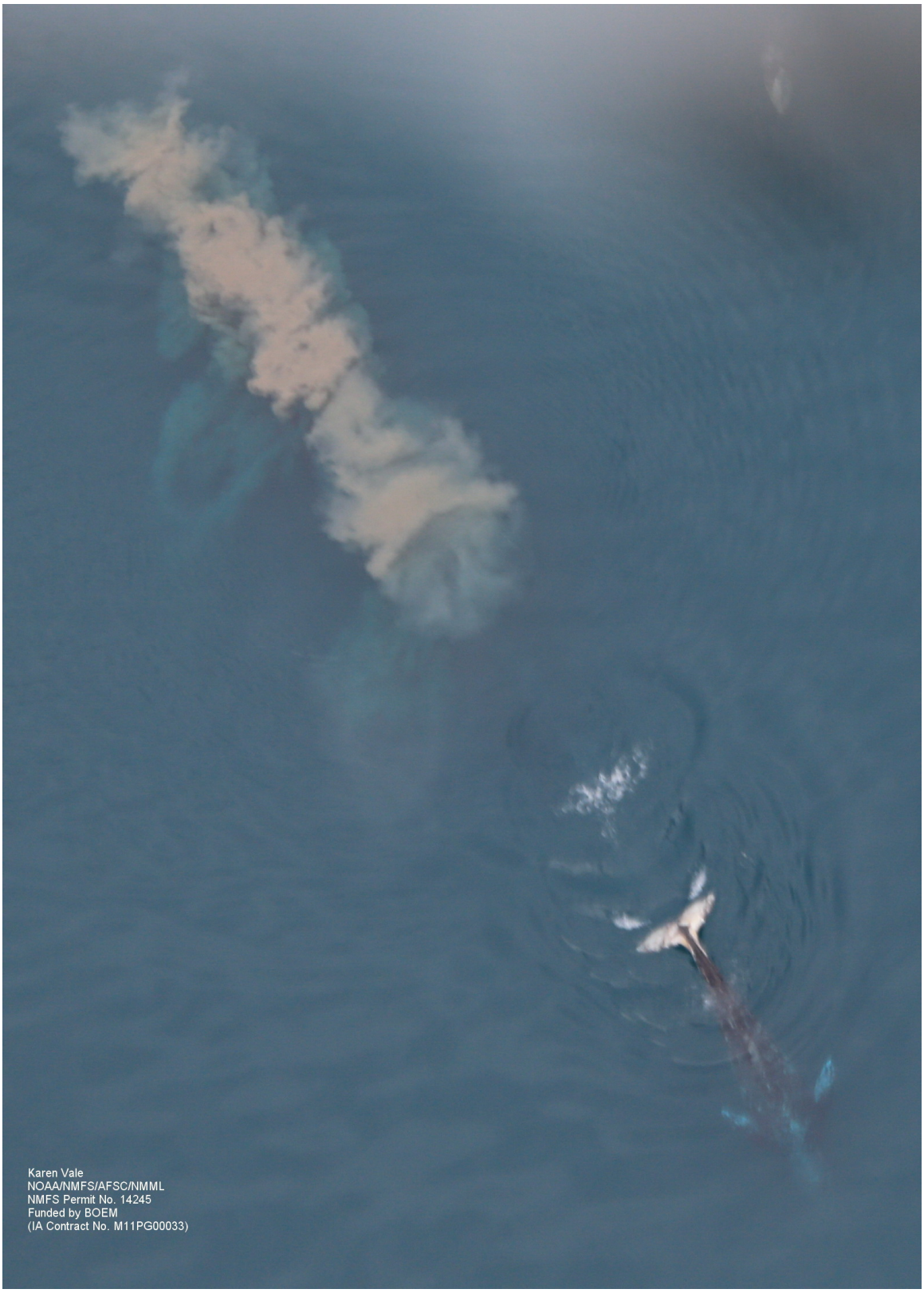

Flightlines by Sea State
B0 - B2
B3, B4
B5, B6
B7 - B12
n/a
Cetacean Sightings
NOAA\AFSC\NMML-BOEM
Aerial Surveys of Arctic Marine Mammals Program
Flight 211, High Density Cluster 1, 7/21/2013
0.9 0.45 0 0.9 1.8 2.7 3.6
Kilometers
Survey Block 13
618
624
628
642
630
641
638
636
646
653
651
648
649
663
664
661
670
684
669
680
679
661
687



White gray whale (event 653), ASAMM-Chukchi Flight 211, 21 July 2013. This may be the same white gray whale seen on 7 July 2013 near Pt. Lay; both white gray whale sightings were of cow-calf pairs.



Gray whale cow-calf pair with mud plume (event 670), between Pt. Franklin and Barrow, ASAMM-Chukchi Flight 211, 21 July 2013.



Feeding gray whale (event 679), between Pt. Franklin and Barrow, ASAMM-Chukchi Flight 211, 21 July 2013.