

## BWASP – Flight 21 – 25 August 2012

Area flown: Blocks 1 and 2, 8 complete transects.

Total hours flown: 5.7

Total transect hours: 3.3

Number of bowheads seen: 42 (5 calves)

Weather and visibility: Skies were partly cloudy to clear and sea state ranged from Beaufort 1 to 5.

Visibility ranged from 5 km to 10 km with glare. There was 0 to 7% sea ice in the area surveyed.

Sightings: Bowhead whales, unidentified cetaceans, polar bears, unidentified pinnipeds and small unidentified pinnipeds. Ten polar bears were observed on Cross Island and one polar bear was seen approximately 44 kilometers north of the barrier islands, swimming north. Bowhead whales were observed swimming and resting, and one individual was observed feeding; the majority were traveling west.

### Preliminary Summary, Flight 21 Date: 8/25/2012

Total bowhead whales: 42	Start time: 8/25/2012 10:28:12 AM	End time: 8/25/2012 4:12:53 PM
Bowhead whale sightings: 24	Transect minutes: 196	Transect km: 745.3
Bowhead whales on transect: 14	Circling minutes: 74	Circling km: 245.6
Bowhead whale cow-calf pairs: 5	Trans+Circ minutes: 270	Trans+Circ km: 990.9
Bowhead whale cow-calf pairs on transect: 0	Search minutes: 26	Search km: 87.1
Bowhead whale repeats: 0	Total minutes: 344	Total km: 1300.9
Possible repeats: 0	Deadhead minutes: 48	Deadhead km: 222.9
Total gray whales: 0	Search blocks: 1	
Total belugas: 0	Transect blocks: 1, 2	
Other whale sightings: 4		
Total walrus: 0		
Total polar bears: 11		

Event	Lat	Long	Block	Species	Total	Repeat	Calves	Swim direction	Swim Speed	Behavior	On effort
60	70.61	-146.25	1	unid cetacean	1	.	0	332	.	swim	True
197	70.75	-146.71	2	bowhead	2	.	0	-1	.	rest	True
198	70.74	-146.71	2	bowhead	2	.	0	-1	.	rest	True
241	70.75	-146.72	2	bowhead	2	.	1	-1	.	swim	False
345	70.95	-147.26	2	bowhead	1	.	0	262	.	swim	True
355	71	-147.27	2	bowhead	1	.	0	81	.	swim	True
501	70.98	-148.24	1	bowhead	1	.	0	295	.	swim	True
512	71.02	-148.25	2	bowhead	2	.	0	-1	.	swim	False
529	71	-148.26	1	bowhead	2	.	0	-1	.	swim	False
583	71.02	-148.66	2	bowhead	2	.	0	274	.	swim	True
585	71.01	-148.66	2	bowhead	2	.	0	-1	.	swim	False
590	71.01	-148.68	2	bowhead	2	.	1	-1	.	swim	False
601	71.05	-148.82	2	bowhead	2	.	1	-1	.	swim	False
602	71.04	-148.81	2	bowhead	3	.	0	-1	.	swim	False
611	71.03	-148.63	2	bowhead	2	.	1	-1	.	swim	False
614	71.01	-148.65	2	bowhead	1	.	0	-1	.	feed	False
615	71.01	-148.66	2	bowhead	6	.	0	-1	.	swim	False
619	71	-148.62	1	bowhead	2	.	1	-1	.	swim	False
699	70.86	-149.23	1	unid cetacean	1	.	0	-1	.	swim	False
722	71.08	-149.16	1	bowhead	1	.	0	279	.	swim	True
723	71.09	-149.16	1	bowhead	1	.	0	279	.	swim	True
725	71.09	-149.16	1	bowhead	1	.	0	279	.	swim	True
730	71.18	-149.12	2	bowhead	1	.	0	218	.	swim	True
752	71.26	-149.53	2	unid cetacean	1	.	0	-1	.	unknown	True

763	71.16	-149.53	1	bowhead	1	.	0	239	.	swim	False
770	71.09	-149.54	1	bowhead	1	.	0	88	.	swim	False
777	71.08	-149.54	1	unid cetacean	1	.	0	-1	.	swim	True
787	71.03	-149.54	1	bowhead	1	.	0	177	.	swim	True



NOAA/AFSC/NMML-BOEM  
Aerial Surveys of Arctic Marine Mammals Program  
Flight 21, 8/25/2012

