

## BWASP – Flight 10 – 24 September 2010

Area flown: Blocks 1, 2, 5, and 7; 14 partial transects

Total hours flown: 9.2 (2 flights)

Total transect hours: 4.4

Number of bowheads seen: 39 (2 calves)

Weather and visibility: Skies were a mix of overcast and partly cloudy throughout the survey area. Blocks 5 and 7 had sea states ranging from Beaufort 2 to 6 and visibility of 3 to 10 km.

All transects were ended early due to the high Beaufort offshore. No ice was present in Blocks 5 and 7. In contrast, Blocks 1 and 2 had delightful sea states ranging from Beaufort 1 to 3 with visibility of 0 to 10 km. All transects attempted in Blocks 1 and 2 were truncated due to low ceilings. Ice in Block 1 was between 1 and 60% broken floe, with no ice present in Block 2.

Sightings: Bowhead whales, unidentified cetaceans, a beluga, polar bears (all on Cross Island), a bearded seal and unidentified pinnipeds

### Bowhead Preliminary Summary, Flight 10 Date: 9/24/2010

Total bowheads: 39	Start time: 9/24/2010 9:41:57 AM	End time: 9/24/2010 7:42:18 PM
Bowhead sightings: 27	Transect minutes: 265	Transect km: 899.1
Bowheads on transect: 31	Circling minutes: 28	Circling km: 83.1
Bowhead Cow-calf pairs: 2	Trans+Circ minutes: 293	Trans+Circ km: 982.2
Bowhead Cow-calf Pairs on transect: 2	Search minutes: 118	Search km: 431.6
Bowhead repeats: 0	Total minutes: 553	Total km: 1972.1
Possible repeats: 0	Deadhead minutes: 142	Deadhead km: 558.3
Total gray whales: 0	Search blocks: 5, 0, 7, 4, 1, 2	
Total belugas: 1	Transect blocks: 5, 7, 1, 0, 2	
Other whale sightings: 5		
Total walrus: 0		
Total bear: 8		

Event	Lat	Long	Block	Species	Total	Repeat	Calves	Swim direction	Swim Speed	Behavior	On effort
182	69.85	-140.35	5	bowhead	1	no	0	89	.	swim	True
230	69.89	-140.75	5	bowhead	1	no	0	88	.	swim	True
233	69.88	-140.75	5	bowhead	1	no	0	358	.	swim	False
241	69.8	-140.74	5	bowhead	1	no	0	298	.	swim	True
280	69.74	-141.39	5	bowhead	1	no	0	121	.	swim	True
283	69.77	-141.39	5	bowhead	1	no	0	121	.	swim	True
402	70.05	-141.9	5	bowhead	1	no	0	358	.	swim	True
403	70.05	-141.9	5	bowhead	1	no	0	358	.	swim	True
405	70.03	-141.9	5	bowhead	1	no	0	209	.	swim	True
471	70.13	-142.08	5	bowhead	1	no	0	-1	.	swim	False
641	70.14	-144.45	4	bowhead	3	no	0	-1	.	mill	False
659	70.19	-144.94	4	unknown cetacean	3	no	0	-1	.	mill	False
662	70.2	-145.03	4	unknown cetacean	1	no	0	-1	.	mill	False
664	70.2	-145.09	4	bowhead	1	no	0	94	.	swim	False

677	70.21	- 145.71	4	bowhead	2	no	0	304	.	swim	False
394	70.11	-141.9	5	bowhead	1	no	0	299	.	swim	True
395	70.1	-141.9	5	bowhead	1	no	0	239	.	swim	True
397	70.09	-141.9	5	bowhead	1	no	0	359	.	swim	True
434	69.9	- 142.03	5	bowhead	1	no	0	117	.	swim	True
436	69.91	- 142.03	5	bowhead	1	no	0	117	.	swim	True
456	70.1	- 142.08	5	bowhead	1	no	0	355	.	swim	True
458	70.13	- 142.09	5	bowhead	2	no	1	-1	.	rest	True
606	70.12	- 142.96	5	bowhead	1	no	0	-1	.	rest	True
911	70.76	- 148.86	1	bowhead	3	no	0	300	.	swim	True
922	70.86	- 148.87	1	bowhead	2	no	0	-1	.	mill	True
1105	70.56	- 147.76	1	bowhead	1	no	0	240	.	swim	True
1107	70.58	- 147.76	1	bowhead	5	no	0	300	.	swim	True
1108	70.58	- 147.76	1	bowhead	2	no	1	300	.	cow with calf	True
1109	70.58	- 147.76	1	bowhead	1	no	0	300	.	swim	True
1119	70.68	- 147.76	1	unknown cetacean	1	no	0	-1	.	.	True
1314	70.85	- 146.28	2	beluga	1	no	0	294	.	swim	True

NMML/MMS  
Bowhead Whale Aerial Survey Program  
Flight 10, 9/24/2010

**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

