BOWFEST – Flights 3 & 4 – September 05 2011

FLIGHT 3
TAKE-OFF TIME: **10:32:03**
TOUCH-DOWN TIME: **15:15:04**
TOTAL FLIGHT TIME: **4.7 Hours**
SEARCH SCHEME: **2**

FLIGHT 4
TAKE-OFF TIME: **16:45:25**
TOUCH-DOWN TIME: **18:53:57**
TOTAL FLIGHT TIME: **2.1 Hours**
SEARCH SCHEME: **2**

Weather and Visibility: The trending forecast for the day included high ceilings of 1000 ft. or more in the morning with a front moving in by mid-afternoon. We departed on the first flight of the day around 10:30 and were able to complete most of the inner tracklines of Scheme 2 before returning to Barrow to refuel. On the second flight of the day, we were able to complete three of the tracklines in the outer study area of Scheme 2 before low clouds forced us to return to Barrow. Viewing conditions were excellent to fair with sea states ranging from Beaufort 1-4. We observed a small group of bowhead whales near the Barrow Canyon (some well-marked) and completed four photographic passes at 700'. Review of the images yielded at least 7 unique individuals.

EFFORT SUMMARY	DISTANCE (KM)	TIME (MINS)
On Effort - Trackline	773.17	243.28
On Effort - Deadhead	418.5	117.2
On Effort - Photo Mode	42.3	13.58
On Effort - Circling	46.55	12.96
Off Effort	97.01	24.53
Total Search Time	**1280.52**	**388.45**

SIGHTING SUMMARY	# SIGHTINGS	# ANIMALS
Bowhead Whale	4	5(7*)
Gray Whale	7	7
Beluga Whale	27	51
Polar Bear	2	2
Bearded Seal	13	13
Unid Seal	51	89
Totals	**104**	**167 (169*)**

* There were 4 individual sightings (2 groups) of bowhead whales for a total of 5 animals. One individual was observed on the first flight of the day and not photographed (group 1). Three sightings occurred on the second flight (group 2, 4 animals). After breaking trackline to circle and photograph the whales, our best estimate was 6 individuals, bringing the total number of bowheads seen on 5 September from 5 to 7 animals.

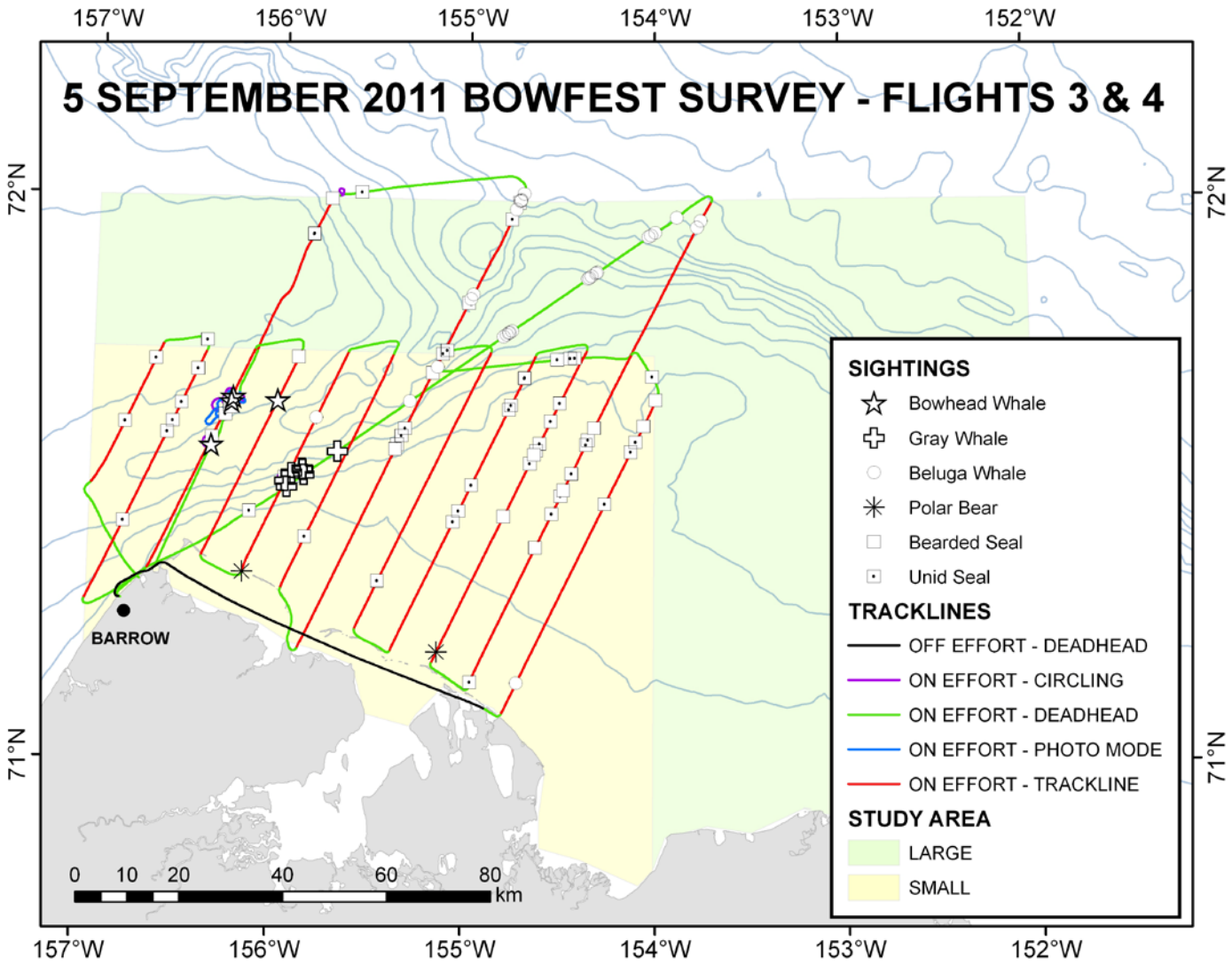
TIME	EFFORT	LAT	LONG	SPECIES	GROUP SIZE	CUE	CALVES	GROUP STATUS	FEEDING	BEHAVIOR
10:41:00	ON Effort - TRACKLINE	71.530	-156.907	Vessel	1					
10:43:35	ON Effort - TRACKLINE	71.596	-156.816	Unid Seal	1	Body				Resting
10:47:51	ON Effort - TRACKLINE	71.710	-156.663	Unid Seal	1	Body				Resting
10:51:35	ON Effort - DEADHEAD	71.746	-156.391	Unid Seal	2	Body				Resting
10:53:28	ON Effort - TRACKLINE	71.694	-156.436	Unid Seal	1	Body				Resting
10:55:44	ON Effort - TRACKLINE	71.633	-156.519	Unid Seal	2	Body				Diving
10:56:56	ON Effort - TRACKLINE	71.601	-156.564	Unid Seal	1	Body				Resting
10:57:40	ON Effort - TRACKLINE	71.581	-156.591	Unid Seal	1	Splash				Diving
11:03:36	ON Effort - TRACKLINE	71.421	-156.807	Unid Seal	2	Body				Travel
11:23:11	ON Effort - TRACKLINE	71.575	-156.352	Unid Seal	2	Body				Travel
11:33:20	ON Effort - TRACKLINE	71.720	-155.900	Bearded Seal	1	Body				Travel
11:36:16	ON Effort - TRACKLINE	71.643	-156.008	Bowhead Whale	1	Body	0	Adult	No	Travel
11:50:00	ON Effort - DEADHEAD	71.337	-156.171	Polar Bear	1	Body	0	Adult		Travel
11:56:31	ON Effort - TRACKLINE	71.500	-155.959	Gray Whale	1	Mud Plume	0	Adult	Yes-Mud	Travel
11:58:36	ON Effort - CIRCLING	71.507	-155.959	Bearded Seal	1	Body				Diving
12:02:56	ON Effort - TRACKLINE	71.613	-155.801	Beluga Whale	1	Body				Travel
12:23:52	ON Effort - TRACKLINE	71.402	-155.847	Unid Seal	1	Body				Resting
12:46:05	ON Effort - TRACKLINE	71.561	-155.378	Bearded Seal	1	Body				Travel
12:46:24	ON Effort - TRACKLINE	71.569	-155.367	Unid Seal	4	Body				Travel
12:46:59	ON Effort - TRACKLINE	71.584	-155.345	Unid Seal	1	Body				Travel
12:47:29	ON Effort - TRACKLINE	71.598	-155.326	Unid Seal	1	Body				Travel
12:51:13	ON Effort - TRACKLINE	71.697	-155.184	Bearded Seal	1	Body				Resting
12:52:57	ON Effort - DEADHEAD	71.737	-155.108	Unid Seal	1	Body				Resting
13:11:16	ON Effort - TRACKLINE	71.327	-155.458	Unid Seal	1	Body				Diving

13:26:39	ON Effort - TRACKLINE	71.433	-155.065	Unid Seal	1	Body				Travel
13:27:25	ON Effort - TRACKLINE	71.453	-155.037	Unid Seal	1	Body				Travel
13:29:15	ON Effort - TRACKLINE	71.499	-154.972	Unid Seal	1	Body				Travel
13:34:31	ON Effort - TRACKLINE	71.633	-154.776	Unid Seal	1	Body				Travel
13:34:48	ON Effort - TRACKLINE	71.640	-154.765	Unid Seal	2	Body				Travel
13:36:40	ON Effort - TRACKLINE	71.688	-154.694	Unid Seal	1	Body				Travel
13:36:43	ON Effort - TRACKLINE	71.690	-154.692	Unid Seal	1	Body				Travel
13:45:23	ON Effort - TRACKLINE	71.645	-154.505	Unid Seal	1	Body				Travel
13:46:36	ON Effort - TRACKLINE	71.613	-154.552	Unid Seal	1	Body				Travel
13:48:08	ON Effort - TRACKLINE	71.573	-154.611	Unid Seal	2					
13:48:36	ON Effort - TRACKLINE	71.561	-154.629	Unid Seal	3	Body				
13:48:52	ON Effort - TRACKLINE	71.554	-154.639	Bearded Seal	1	Body				
13:49:28	ON Effort - TRACKLINE	71.538	-154.662	Unid Seal	1	Body				
13:53:00	ON Effort - TRACKLINE	71.444	-154.798	Bearded Seal	1	Body				Travel
13:58:44	ON Effort - TRACKLINE	71.291	-155.018	Vessel	1					
14:02:03	ON Effort - TRACKLINE	71.202	-155.143	Polar Bear	1	Body				Travel
14:06:24	ON Effort - TRACKLINE	71.150	-154.965	Unid Seal	1	Body				Travel
14:16:20	ON Effort - TRACKLINE	71.389	-154.631	Bearded Seal	1					Travel
14:18:47	ON Effort - TRACKLINE	71.449	-154.545	Unid Seal	1	Body				Resting
14:20:05	ON Effort - TRACKLINE	71.481	-154.498	Unid Seal	1	Body				Resting
14:20:31	ON Effort - TRACKLINE	71.491	-154.483	Bearded Seal	1	Body				Travel
14:21:44	ON Effort - TRACKLINE	71.520	-154.440	Unid Seal	1	Body				Resting
14:23:49	ON Effort - TRACKLINE	71.572	-154.366	Unid Seal	1	Body				Resting
14:24:11	ON Effort - TRACKLINE	71.580	-154.353	Unid Seal	1	Body				Resting
14:25:04	ON Effort - TRACKLINE	71.602	-154.321	Bearded Seal	1	Body				Travel
14:32:29	ON Effort - DEADHEAD	71.693	-154.013	Unid Seal	1	Splash				Travel

14:34:01	ON Effort - DEADHEAD	71.651	-153.995	Bearded Seal	1	Body				Travel
14:35:44	ON Effort - TRACKLINE	71.605	-154.058	Bearded Seal	1	Body				
14:36:48	ON Effort - TRACKLINE	71.577	-154.101	Unid Seal	1	Body				Travel
14:37:27	ON Effort - TRACKLINE	71.559	-154.126	Unid Seal	2	Body				Travel
14:40:52	ON Effort - TRACKLINE	71.467	-154.264	Unid Seal	1	Body				Travel
14:52:31	ON Effort - TRACKLINE	71.149	-154.723	Beluga Whale	1	Body				Travel
16:54:11	ON Effort - DEADHEAD	71.561	-156.355	Bowhead Whale	1	Splash	0	Adult	No	Travel
16:57:20	ON Effort - DEADHEAD	71.615	-156.285	Unid Seal	3					
16:57:47	ON Effort - DEADHEAD	71.631	-156.265	Unid Seal	1					
16:57:52	ON Effort - DEADHEAD	71.634	-156.261	Unid Seal	1					Resting
16:58:00	ON Effort - DEADHEAD	71.639	-156.255	Bowhead Whale	2	Body	0	Adult	Unknown	Travel
16:58:12	ON Effort - DEADHEAD	71.647	-156.245	Bowhead Whale	1	Body	0	Adult	Unknown	Travel
17:06:40	ON Effort - PHOTO	71.627	-156.253	Bearded Seal	1					Resting
17:29:08	ON Effort - TRACKLINE	71.939	-155.835	Unid Seal	2	Body				Travel
17:29:09	ON Effort - TRACKLINE	71.940	-155.834	Unid Seal	2					Resting
17:31:37	ON Effort - DEADHEAD	72.003	-155.741	Bearded Seal	1	Body				Travel
17:34:27	ON Effort - DEADHEAD	72.015	-155.582	Unid Seal	1	Body				Travel
17:44:21	ON Effort - DEADHEAD	72.017	-154.705	Beluga Whale	2	Body	1			Resting
17:44:47	ON Effort - TRACKLINE	72.006	-154.721	Beluga Whale	4	Body				Travel
17:44:49	ON Effort - TRACKLINE	72.005	-154.723	Beluga Whale	3	Body				Resting
17:44:52	ON Effort - TRACKLINE	72.004	-154.724	Beluga Whale	2	Body				Resting
17:45:00	ON Effort - TRACKLINE	72.000	-154.729	Unid Seal	10	Body				Resting
17:45:27	ON Effort - TRACKLINE	71.989	-154.745	Beluga Whale	1	Body				Resting
17:46:05	ON Effort - TRACKLINE	71.971	-154.768	Unid Seal	9	Body				Travel
17:51:19	ON Effort - TRACKLINE	71.837	-154.973	Beluga Whale	1					Travel
17:51:37	ON Effort - TRACKLINE	71.829	-154.985	Beluga Whale	1	Body				Travel

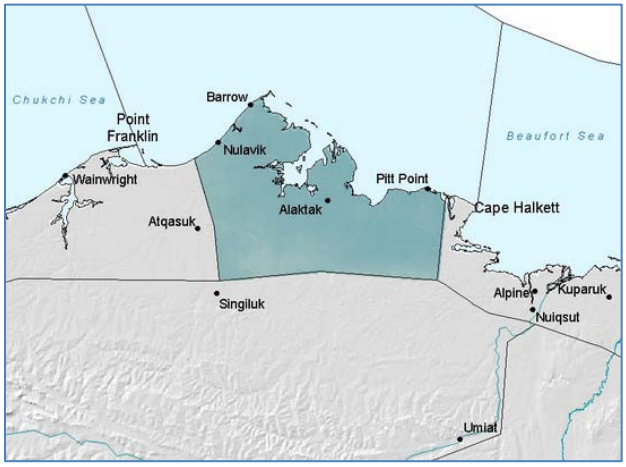
17:51:55	ON Effort - TRACKLINE	71.821	-154.996	Unid Seal	2	Body				Resting
17:55:23	ON Effort - TRACKLINE	71.731	-155.131	Unid Seal	1					Travel
17:56:16	ON Effort - DEADHEAD	71.707	-155.159	Beluga Whale	1	Body				Travel
18:03:12	ON Effort - DEADHEAD	71.723	-154.521	Unid Seal	1	Body				Travel
18:03:56	ON Effort - DEADHEAD	71.725	-154.451	Unid Seal	3					Travel
18:04:12	ON Effort - DEADHEAD	71.726	-154.426	Unid Seal	1					Travel
18:16:11	ON Effort - TRACKLINE	71.958	-153.771	Beluga Whale	2	Body	1			Travel
18:16:39	ON Effort - TRACKLINE	71.970	-153.751	Beluga Whale	2	Body				Travel
18:20:19	ON Effort - DEADHEAD	71.976	-153.880	Beluga Whale	1					Travel
18:21:32	ON Effort - DEADHEAD	71.949	-153.997	Beluga Whale	2	Body				Diving
18:21:45	ON Effort - DEADHEAD	71.944	-154.020	Beluga Whale	1	Body				Travel
18:21:53	ON Effort - DEADHEAD	71.941	-154.032	Beluga Whale	6		1			Travel
18:24:48	ON Effort - DEADHEAD	71.878	-154.308	Beluga Whale	1	Body				Travel
18:24:52	ON Effort - DEADHEAD	71.877	-154.315	Beluga Whale	2	Body				Travel
18:25:08	ON Effort - DEADHEAD	71.871	-154.340	Beluga Whale	3	Body	1			Travel
18:25:16	ON Effort - DEADHEAD	71.868	-154.352	Beluga Whale	1	Body				Travel
18:25:20	ON Effort - DEADHEAD	71.867	-154.358	Beluga Whale	1	Body				Diving
18:29:40	ON Effort - DEADHEAD	71.773	-154.765	Beluga Whale	1	Body				Travel
18:29:48	ON Effort - DEADHEAD	71.770	-154.777	Beluga Whale	3	Body				Travel
18:29:49	ON Effort - DEADHEAD	71.769	-154.780	Beluga Whale	1	Body				Travel
18:29:57	ON Effort - DEADHEAD	71.766	-154.793	Beluga Whale	2					Travel
18:30:08	ON Effort - DEADHEAD	71.763	-154.808	Beluga Whale	4					
18:35:31	ON Effort - DEADHEAD	71.646	-155.305	Beluga Whale	1	Body				Travel
18:39:28	ON Effort - DEADHEAD	71.555	-155.683	Gray Whale	1	Mud Plume	0	Adult	Yes-Mud	Travel
18:41:20	ON Effort - DEADHEAD	71.512	-155.859	Gray Whale	1	Blow	0	Adult	Yes-Mud	Travel
18:42:24	ON Effort - DEADHEAD	71.514	-155.924	Gray Whale	1	Mud Plume	0	Adult	Yes-Mud	Travel

18:42:57	ON Effort - DEADHEAD	71.522	-155.868	Gray Whale	1	Body	0	Adult	Yes-Mud	Milling
18:43:01	ON Effort - DEADHEAD	71.520	-155.864	Gray Whale	1	Body	0	Adult	Yes-Mud	Milling
18:44:12	ON Effort - DEADHEAD	71.490	-155.948	Gray Whale	1	Mud Plume	0	Adult	Yes-Mud	Milling
18:46:11	ON Effort - DEADHEAD	71.445	-156.141	Unid Seal	3	Body				Travel



Two of the seven individuals photographed on 5 September 2011

Barrow Sea Ice Camera (09:30):



Barrow Weather Forecast:

PKZ235-060200-POINT FRANKLIN TO CAPE HALKETT-300 AM AKDT MON SEP 5 2011
.TODAY...N WINDS 15 KT. SEAS BUILDING TO 4 FT. FOG.
.TONIGHT...N WINDS 15 KT. SEAS 4 FT. FOG.

AKZ202-060330-NORTHERN ARCTIC COAST-INCLUDING...BARROW...ALAKTAK...PITT POINT...NULAVIK **429 AM AKDT MON SEP 5 2011**
TODAY.MOSTLY CLOUDY. AREAS OF FOG. HIGHS 40 TO 45. NORTH WINDS 10 TO 15 MPH.
TONIGHT.MOSTLY CLOUDY. AREAS OF FOG.LOWS AROUND 30. NORTH WINDS 10 TO 20 MPH.

```
PABR 051135Z 0512/0612  04006KT P6SM FEW050 SCT200
     FM052000 36014KT P6SM OVC008=
METAR PABR 051653Z 05006KT 10SM OVC080 05/02 A2966 RMK AO2 SLP046
     T00500022=
METAR PABR 051553Z 05007KT 10SM OVC075 05/02 A2966 RMK AO2 SLP044
     T00500022=
METAR PABR 051453Z 05007KT 10SM OVC075 04/02 A2965 RMK AO2 SLP041
     T00440017 53004=
METAR PABR 051353Z 05007KT 10SM BKN075 BKN250 04/02 A2964 RMK AO2 SLP039
     T00440017=
SPECI PABR 042005Z 06008KT 1 3/4SM R07/5000VP6000FT BR OVC004 05/04
    A2954 RMK AO2=
```