

BOWFEST Flight 7 - September 9 2011

TAKE-OFF TIME: 12:17:19

TOUCH-DOWN TIME: 16:47:45

TOTAL FLIGHT TIME: 4.51 hours

SEARCH SCHEME: 1

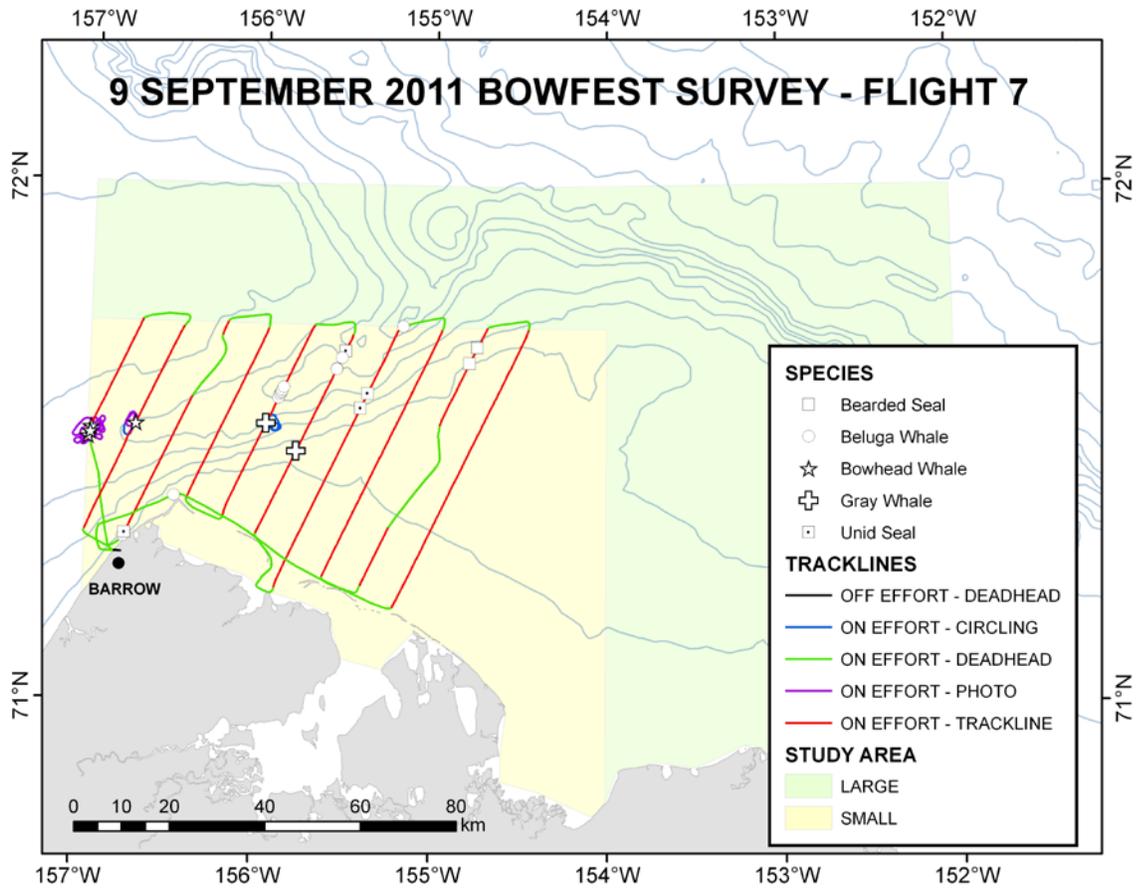
Weather and Visibility: After de-icing the plane, we departed around 12:15 and began tracklines in the inner study area following the Scheme 1 pattern. The plane was forced to deviate from two of the predefined tracklines because of low clouds and snow showers. Viewing conditions were good to fair with sea states ranging from Beaufort 3 to 6. Bowhead whales were once again encountered near Barrow Canyon. Whales appeared to be feeding (see photos). Other marine mammal sightings included feeding gray whales (numerous mud plumes provided sighting cues), belugas, bearded seals, and unidentified seals.

| EFFORT SUMMARY | DISTANCE (KM) | TIME (MINS) |
|--------------------------|--------------------------|--------------------|
| On Effort – Trackline | 465.77 | 147.39 |
| On Effort – Deadhead | 245.96 | 75.42 |
| On Effort - Photo Mode | 112.46 | 38.17 |
| On Effort - Circling | 25.64 | 8.43 |
| Off Effort | 2.74 | 1.04 |
| Total Search Time | 849.83 | 268.00 |

| SIGHTING SUMMARY | # SIGHTINGS | # ANIMALS |
|-------------------------|--------------------|------------------|
| Bowhead Whale | 4 | 8(12*) |
| Gray Whale | 2 | 6 |
| Beluga Whale | 12 | 29 |
| Polar Bear | 0 | 0 |
| Bearded Seal | 2 | 2 |
| Unid Seal | 4 | 4 |
| Totals | 24 | 49(53*) |

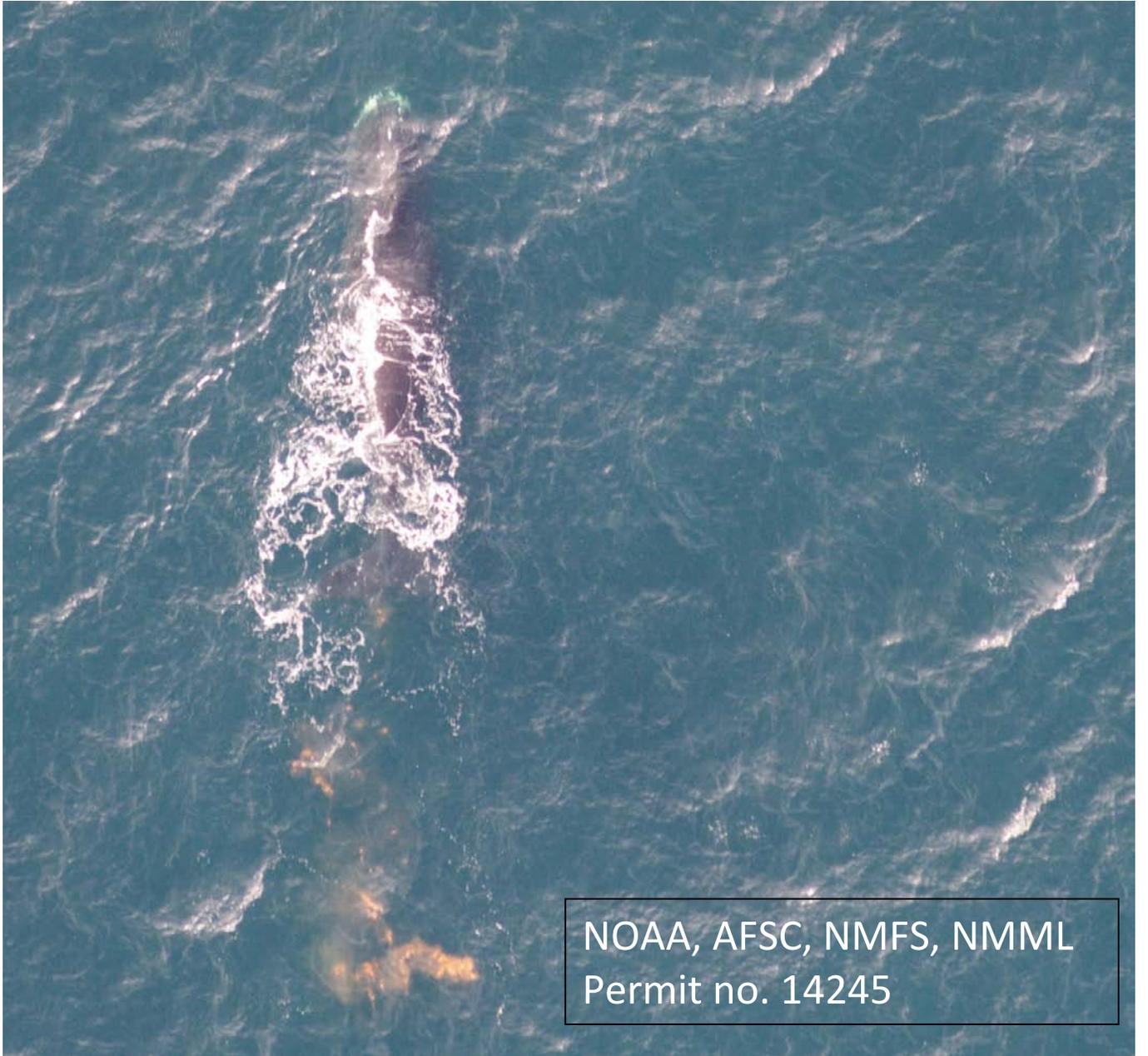
* There were 4 individual sightings (2 groups) of bowhead whales for a total of 8 animals. Three sightings (7 individuals) occurred prior to beginning the on-effort trackline (group 1). After circling and photographing the whales, our best estimate was 10 individuals. Another whale was observed on the next trackline and after circling our best estimate was 2 individuals, bringing the total number of bowheads seen on 9 September from 8 to 12 animals.

| TIME | EFFORT | LAT | LONG | SPECIES | GROUP SIZE | CUE | CALVES | GROUP STATUS | FEEDING | BEHAVIOR |
|----------|-----------------------|--------|----------|---------------|------------|-----------|--------|--------------|---------|----------|
| 12:24:28 | ON Effort - DEADHEAD | 71.505 | -156.988 | Bowhead Whale | 2 | Body | 0 | Adult | No | Travel |
| 12:25:11 | ON Effort - CIRCLING | 71.523 | -156.972 | Bowhead Whale | 2 | Body | 1 | Cow/Calf | No | Travel |
| 12:26:02 | ON Effort - CIRCLING | 71.514 | -156.975 | Bowhead Whale | 3 | Splash | 0 | Adult | Unknown | Travel |
| 13:20:07 | ON Effort - TRACKLINE | 71.533 | -156.716 | Bowhead Whale | 1 | Body | 0 | Adult | Unknown | Travel |
| 13:37:34 | ON Effort - TRACKLINE | 71.315 | -156.767 | Beluga Whale | 1 | Body | | Adult | | Travel |
| 13:37:48 | ON Effort - TRACKLINE | 71.322 | -156.757 | Unid Seal | 1 | Body | | | | Travel |
| 14:20:28 | ON Effort - TRACKLINE | 71.540 | -155.967 | Gray Whale | 4 | Blow | | | Yes-Mud | Diving |
| 14:26:58 | ON Effort - TRACKLINE | 71.590 | -155.897 | Beluga Whale | 2 | Body | | | | Resting |
| 14:27:14 | ON Effort - TRACKLINE | 71.597 | -155.887 | Beluga Whale | 1 | Body | | | | Resting |
| 14:27:21 | ON Effort - TRACKLINE | 71.600 | -155.883 | Beluga Whale | 5 | Body | | | | Milling |
| 14:27:26 | ON Effort - TRACKLINE | 71.602 | -155.880 | Beluga Whale | 2 | Body | | | | Resting |
| 14:27:33 | ON Effort - TRACKLINE | 71.605 | -155.876 | Beluga Whale | 2 | Body | 1 | Cow/Calf | | Resting |
| 14:27:46 | ON Effort - TRACKLINE | 71.611 | -155.868 | Beluga Whale | 1 | Body | | | | Resting |
| 14:37:06 | ON Effort - TRACKLINE | 71.683 | -155.515 | Unid Seal | 1 | Body | | | | Resting |
| 14:37:37 | ON Effort - TRACKLINE | 71.669 | -155.534 | Beluga Whale | 1 | Body | | | | Travel |
| 14:38:25 | ON Effort - TRACKLINE | 71.648 | -155.564 | Beluga Whale | 3 | Body | | | | Milling |
| 14:38:26 | ON Effort - TRACKLINE | 71.648 | -155.564 | Beluga Whale | 8 | Body | 1 | | | Travel |
| 14:44:42 | ON Effort - TRACKLINE | 71.488 | -155.789 | Gray Whale | 2 | Mud Plume | | | Yes-Mud | Travel |
| 15:10:04 | ON Effort - TRACKLINE | 71.573 | -155.423 | Unid Seal | 1 | Body | | | | Resting |
| 15:11:11 | ON Effort - TRACKLINE | 71.601 | -155.384 | Unid Seal | 1 | Body | | | | Resting |
| 15:16:20 | ON Effort - DEADHEAD | 71.732 | -155.183 | Beluga Whale | 2 | Body | 1 | Cow/Calf | | Travel |
| 15:58:29 | ON Effort - TRACKLINE | 71.662 | -154.795 | Bearded Seal | 1 | Blow | | | | Resting |
| 15:59:37 | ON Effort - TRACKLINE | 71.692 | -154.750 | Bearded Seal | 1 | Body | | | | Travel |
| 16:38:55 | ON Effort - DEADHEAD | 71.396 | -156.483 | Beluga Whale | 1 | Body | | | | Travel |





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Barrow sea ice camera and weather forecasts were not available due to internet outage in Barrow.