

ASAMM-Beaufort – Flight 41 – 24 September 2016

Area flown: Block 3, 5 complete transects; block 11, 4 complete transects and 1 partial transect.

Total hours flown: 5.3

Total transect hours: 2.9

Number of bowhead whales seen: 69 (2 calves)

Weather and visibility: Skies were partly cloudy to overcast. Sea state ranged from Beaufort 2 to 4. Visibility was 0 km to unlimited, with haze, glare, precipitation, and low ceilings. Sea ice ranged from 0 to 45 percent broken floe ice in the area surveyed.

Sightings: Bowhead whales, belugas (including 1 calf), unidentified pinnipeds, small unidentified pinnipeds, and polar bears. One polar bear was swimming in 10% broken floe ice approximately 70 km north of Smith Bay, and 1 polar bear was swimming next to shore between Smith Bay and Cape Halkett.

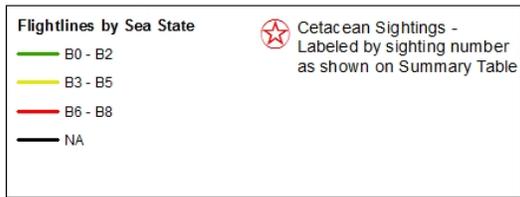
Preliminary Summary, Flight 41 Date: Saturday, September 24, 2016

| | | |
|---|----------------------------------|--------------------------------|
| Total bowhead whales: 69 | Start time: 9/24/2016 9:56:24 AM | End time: 9/24/2016 3:16:48 PM |
| Bowhead whale sightings: 41 | Transect minutes: 171 | Transect km: 605.9 |
| Bowhead whales on transect: 24 | Circling minutes: 47 | Circling km: 138.4 |
| Bowhead whale cow-calf pairs: 2 | Trans+Circ minutes: 217 | Trans+Circ km: 744.3 |
| Bowhead whale cow-calf pairs on transect: 0 | Search minutes: 22 | Search km: 80.1 |
| Bowhead whale repeats: 0 | Total minutes: 320 | Total km: 1272 |
| Possible repeats: 0 | Deadhead minutes: 81 | Deadhead km: 447.6 |
| Total gray whales: 0 | Search blocks: 3,11 | |
| Total belugas: 4 | Transect blocks: 3,11 | |
| Other whale sightings: 0 | | |
| walrus: no | | |
| Total polar bears: 2 | | |

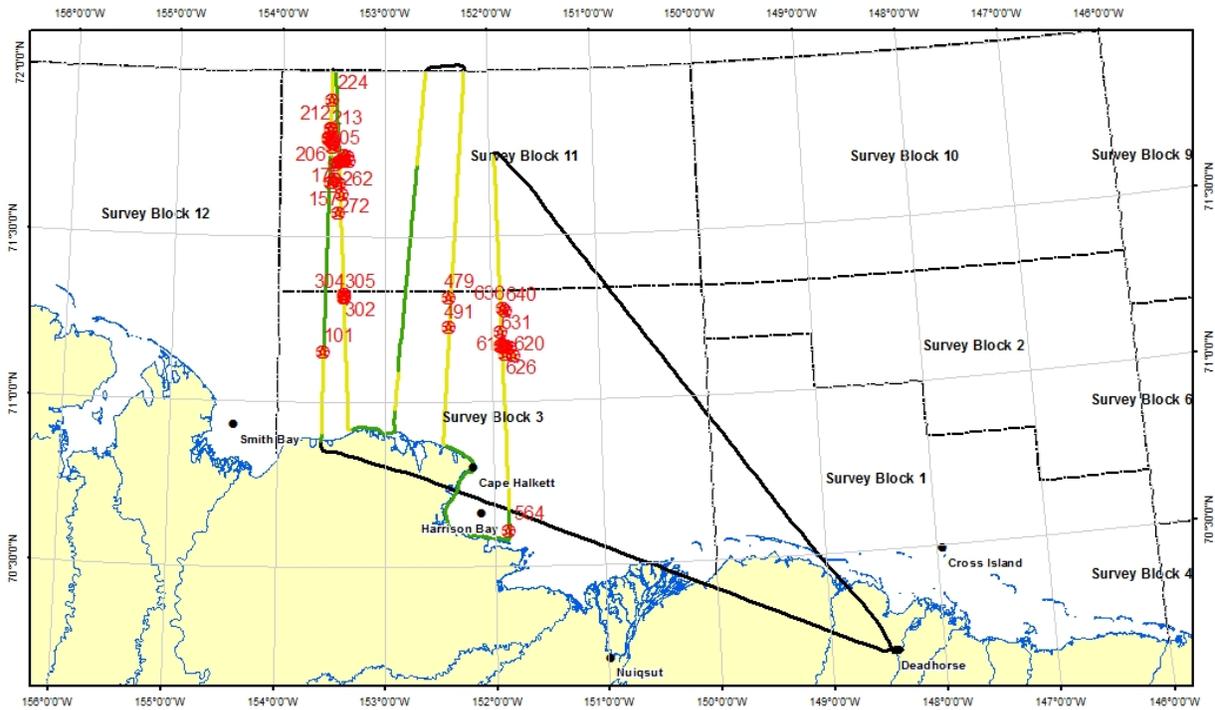
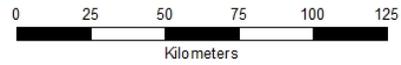
Cetacean Sightings

| Event | Lat | Long | Block | Species | Total | Calves | Behavior | Swim Direction | On Effort |
|-------|-------|---------|-------|---------------|-------|--------|----------|----------------|-----------|
| 101 | 71.15 | -153.57 | 3 | bowhead whale | 1 | 0 | swim | 89 | True |
| 145 | 71.66 | -153.53 | 11 | bowhead whale | 1 | 0 | swim | 212 | True |
| 146 | 71.68 | -153.53 | 11 | bowhead whale | 1 | 0 | swim | 271 | True |
| 152 | 71.66 | -153.51 | 11 | bowhead whale | 1 | 0 | swim | -1 | False |
| 157 | 71.66 | -153.44 | 11 | bowhead whale | 1 | 0 | swim | -1 | False |
| 167 | 71.72 | -153.53 | 11 | bowhead whale | 1 | 0 | swim | 273 | True |
| 170 | 71.73 | -153.45 | 11 | bowhead whale | 1 | 0 | rest | -1 | False |
| 172 | 71.73 | -153.43 | 11 | bowhead whale | 1 | 0 | rest | -1 | False |
| 173 | 71.73 | -153.42 | 11 | bowhead whale | 1 | 0 | rest | -1 | False |
| 174 | 71.73 | -153.41 | 11 | bowhead whale | 1 | 0 | rest | -1 | False |
| 175 | 71.73 | -153.4 | 11 | bowhead whale | 1 | 0 | rest | -1 | False |
| 176 | 71.73 | -153.39 | 11 | bowhead whale | 1 | 0 | rest | -1 | False |
| 178 | 71.73 | -153.35 | 11 | bowhead whale | 2 | 0 | rest | -1 | False |
| 179 | 71.74 | -153.36 | 11 | bowhead whale | 1 | 0 | rest | -1 | False |
| 181 | 71.75 | -153.39 | 11 | bowhead whale | 3 | 0 | rest | -1 | False |
| 196 | 71.77 | -153.52 | 11 | bowhead whale | 3 | 0 | swim | 360 | True |
| 200 | 71.78 | -153.5 | 11 | bowhead whale | 1 | 0 | swim | -1 | False |
| 201 | 71.79 | -153.49 | 11 | bowhead whale | 3 | 0 | rest | -1 | False |
| 202 | 71.79 | -153.5 | 11 | bowhead whale | 3 | 0 | swim | -1 | False |
| 205 | 71.8 | -153.54 | 11 | bowhead whale | 3 | 0 | swim | -1 | False |
| 206 | 71.8 | -153.55 | 11 | bowhead whale | 1 | 0 | rest | -1 | False |
| 212 | 71.83 | -153.52 | 11 | bowhead whale | 2 | 1 | swim | -1 | False |
| 213 | 71.83 | -153.52 | 11 | bowhead whale | 1 | 0 | swim | -1 | False |
| 224 | 71.91 | -153.51 | 11 | beluga | 3 | 1 | swim | 301 | True |
| 262 | 71.63 | -153.43 | 11 | bowhead whale | 1 | 0 | rest | -1 | True |
| 272 | 71.57 | -153.42 | 11 | bowhead whale | 1 | 0 | swim | 58 | True |
| 302 | 71.33 | -153.39 | 3 | bowhead whale | 1 | 0 | swim | 207 | True |
| 304 | 71.32 | -153.39 | 3 | bowhead whale | 1 | 0 | rest | -1 | False |
| 305 | 71.32 | -153.38 | 3 | bowhead whale | 3 | 0 | swim | -1 | False |
| 479 | 71.32 | -152.38 | 3 | bowhead whale | 1 | 0 | swim | 304 | True |

| | | | | | | | | | |
|-----|-------|---------|---|---------------|---|---|------|----|-------|
| 491 | 71.23 | -152.39 | 3 | bowhead whale | 1 | 0 | rest | -1 | False |
| 564 | 70.61 | -151.86 | 3 | beluga | 1 | 0 | rest | -1 | True |
| 602 | 71.17 | -151.91 | 3 | bowhead whale | 3 | 0 | mill | -1 | True |
| 603 | 71.17 | -151.91 | 3 | bowhead whale | 1 | 0 | swim | -1 | True |
| 604 | 71.17 | -151.91 | 3 | bowhead whale | 3 | 0 | mill | -1 | True |
| 611 | 71.17 | -151.86 | 3 | bowhead whale | 2 | 1 | rest | -1 | False |
| 612 | 71.16 | -151.88 | 3 | bowhead whale | 2 | 0 | mill | -1 | False |
| 616 | 71.16 | -151.83 | 3 | bowhead whale | 3 | 0 | mill | -1 | False |
| 620 | 71.14 | -151.79 | 3 | bowhead whale | 3 | 0 | mill | -1 | False |
| 626 | 71.14 | -151.88 | 3 | bowhead whale | 1 | 0 | swim | -1 | False |
| 631 | 71.21 | -151.91 | 3 | bowhead whale | 4 | 0 | mill | -1 | True |
| 636 | 71.28 | -151.91 | 3 | bowhead whale | 2 | 0 | swim | 90 | True |
| 640 | 71.27 | -151.87 | 3 | bowhead whale | 1 | 0 | swim | -1 | False |

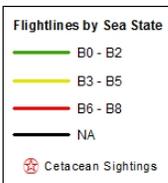
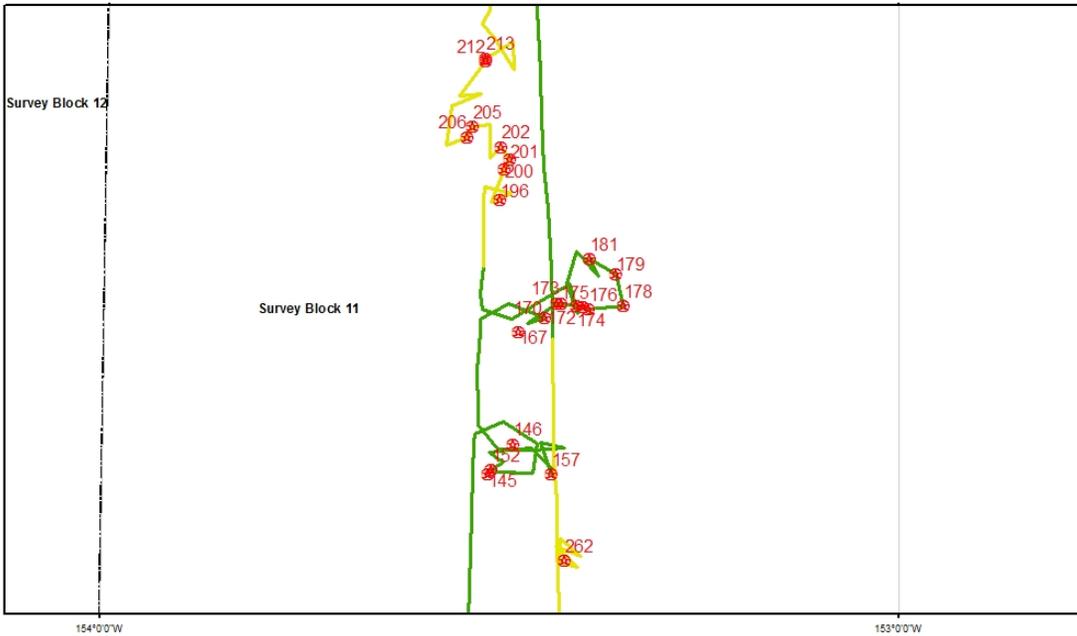
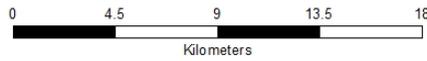


NOAA/AFSC/NMML-BOEM
Aerial Surveys of Arctic Marine Mammals Program
Flight 41, 9/24/2016 9:42:43 AM





NOAA\FSC\NMML-BOEM
Aerial Surveys of Arctic Marine Mammals Program
Flight 41, High Density Cluster 1, 9/24/2016



NOAA\FSC\NMML-BOEM
Aerial Surveys of Arctic Marine Mammals Program
Flight 41, High Density Cluster 2, 9/24/2016

