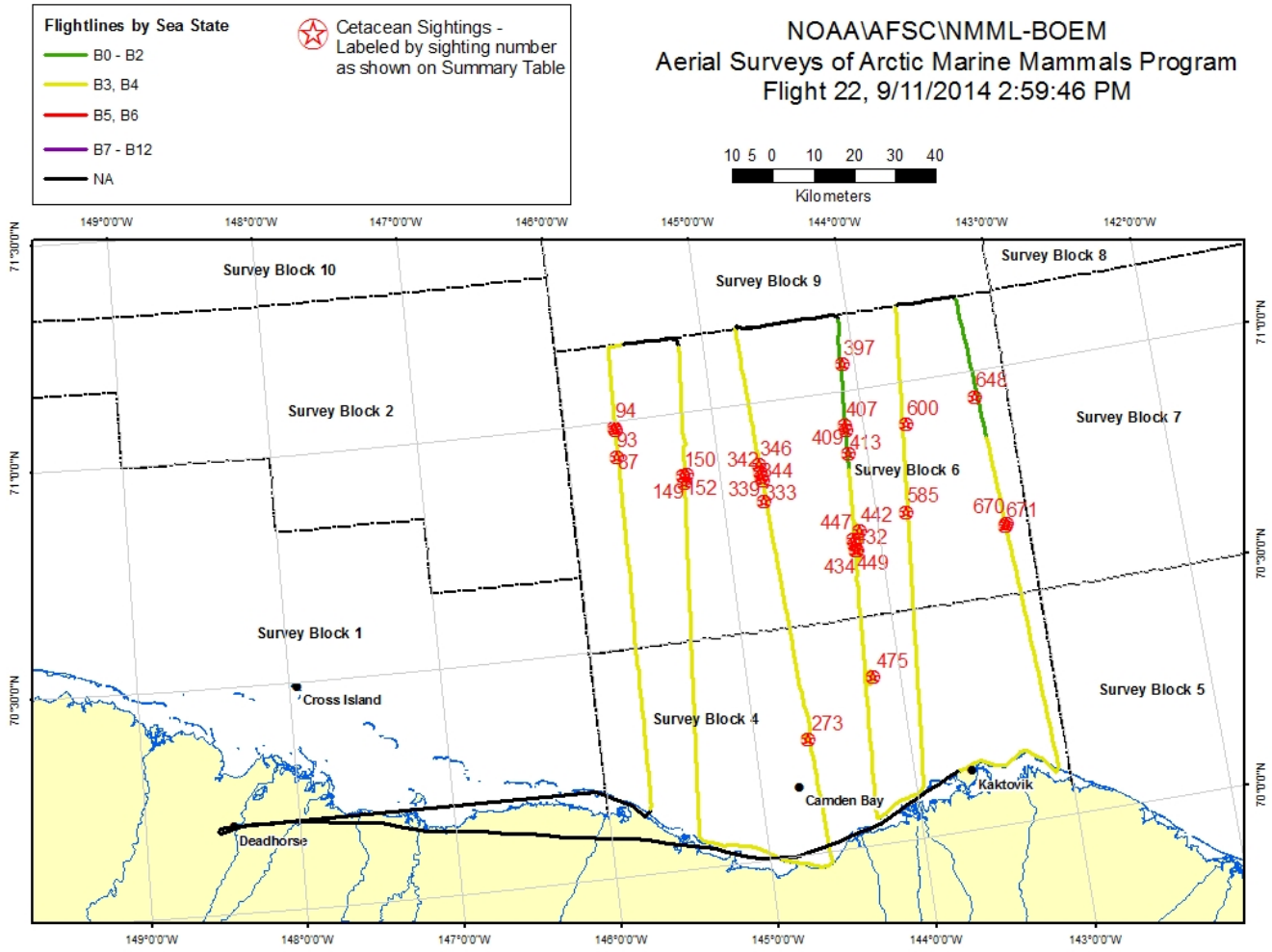
**ASAMM-Beaufort – Flight 22 – 11 September 2014**

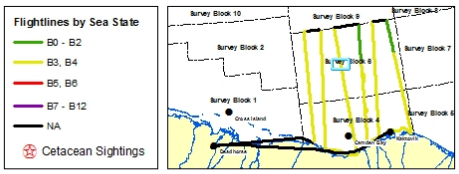
Area flown: Blocks 4 and 6, complete
Total hours flown: 5.2
Total transect hours: 3.3
Number of bowheads seen: 2 (0 calves)
Weather and visibility: Skies were overcast. Sea state ranged from Beaufort 2-4. Visibility varied from 0 to 10km, with low ceilings. There was no sea ice in the area surveyed.
Sightings: Bowhead whales, belugas (including one calf), small unidentified pinnipeds, and polar bears. All polar bears were seen on the beach or barrier islands.

**Preliminary Summary, Flight 22 Date: 9/11/2014**

| | | |
|---|---|---|
| Total bowhead whales: 2 | Start time: 9/11/2014 2:42:00 PM | End time: 9/11/2014 7:55:50 PM |
| Bowhead whale sightings: 2 | Transect minutes: 200 | Transect km:723 |
| Bowhead whales on transect: 1 | Circling minutes: 17 | Circling km: 44.9 |
| Bowhead whale cow-calf pairs: 0 | Trans+Circ minutes: 217 | Trans+Circ km: 767.9 |
| Bowhead whale cow-calf pairs on transect: 0 | Search minutes: 24 | Search km: 85.4 |
| Bowhead whale repeats: 0 | Total minutes: 313 | Total km: 1208 |
| Possible repeats: 0 | Deadhead minutes: 72 | Deadhead km: 354.7 |
| Total gray whales: 0 | Search blocks: 6, 4, 9 | |
| Total belugas: 35 | Transect blocks: 4, 6 | |
| Other whale sightings: 0 | | |
| Total walrus: 0 | | |
| Total polar bears: 25 | | |

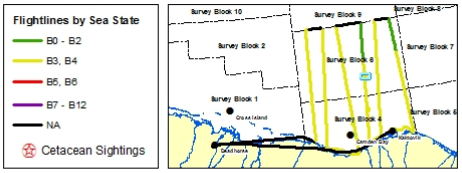
| Event | Lat | Long | Block | Species | Total | Calves | Behavior | Swim Direction | On Effort |
|---|---|---|---|---|---|---|---|---|---|
| 87 | 70.92 | -145.66 | 6 | beluga | 3 | 1 | swim | 271 | True |
| 93 | 70.98 | -145.66 | 6 | beluga | 2 | 0 | swim | 244 | True |
| 94 | 70.99 | -145.65 | 6 | beluga | 1 | 0 | swim | 243 | True |
| 149 | 70.86 | -145.24 | 6 | beluga | 1 | 0 | swim | 37 | True |
| 150 | 70.86 | -145.24 | 6 | beluga | 1 | 0 | swim | 276 | True |
| 152 | 70.85 | -145.24 | 6 | beluga | 1 | 0 | swim | 273 | True |
| 273 | 70.25 | -144.64 | 4 | bowhead whale | 1 | 0 | swim | 266 | True |
| 333 | 70.78 | -144.71 | 6 | beluga | 1 | 0 | swim | 327 | True |
| 339 | 70.83 | -144.72 | 6 | beluga | 1 | 0 | swim | 267 | True |
| 342 | 70.84 | -144.72 | 6 | beluga | 1 | 0 | swim | 268 | True |
| 344 | 70.85 | -144.72 | 6 | beluga | 3 | 0 | swim | 268 | True |
| 346 | 70.86 | -144.73 | 6 | beluga | 2 | 0 | swim | -1 | True |
| 397 | 71.06 | -144.09 | 6 | beluga | 1 | 0 | swim | 238 | True |
| 407 | 70.92 | -144.12 | 6 | beluga | 1 | 0 | swim | 304 | True |
| 409 | 70.91 | -144.12 | 6 | beluga | 1 | 0 | mill | -1 | True |
| 413 | 70.86 | -144.13 | 6 | beluga | 3 | 0 | swim | 270 | True |
| 432 | 70.66 | -144.17 | 6 | beluga | 1 | 0 | swim | 274 | True |
| 434 | 70.65 | -144.17 | 6 | beluga | 1 | 0 | swim | 276 | True |
| 442 | 70.69 | -144.13 | 6 | beluga | 1 | 0 | swim | 270 | False |
| 447 | 70.67 | -144.17 | 6 | beluga | 2 | 0 | swim | 275 | False |
| 449 | 70.65 | -144.17 | 6 | beluga | 2 | 0 | swim | -1 | False |
| 475 | 70.37 | -144.22 | 4 | bowhead whale | 1 | 0 | feed | -1 | False |
| 585 | 70.72 | -143.79 | 6 | beluga | 1 | 0 | swim | 273 | True |
| 600 | 70.91 | -143.74 | 6 | beluga | 1 | 0 | swim | 273 | True |
| 648 | 70.94 | -143.2 | 6 | beluga | 1 | 0 | swim | 297 | True |
| 670 | 70.66 | -143.16 | 6 | beluga | 1 | 0 | swim | 207 | True |
| 671 | 70.65 | -143.16 | 6 | beluga | 1 | 0 | swim | 266 | True |


Flightlines by Sea State
B0 - B2
B3, B4
B5, B6
B7 - B12
NA
Cetacean Sightings - Labeled by sighting number as shown on Summary Table
NOAA\AFSC\NMML-BOEM
Aerial Surveys of Arctic Marine Mammals Program
Flight 22, 9/11/2014 2:59:46 PM
10 5 0 10 20 30 40
Kilometers
Survey Block 10
Survey Block 9
Survey Block 8
Survey Block 2
Survey Block 7
Survey Block 6
Survey Block 1
Survey Block 4
Survey Block 5
Cross Island
Camden Bay
Kaktovik
Deadhorse
94
93
87
150
149
152
342
346
344
339
333
397
407
409
413
600
648
585
670
671
447
442
432
434
449
475
273
149°0'0"W
148°0'0"W
147°0'0"W
146°0'0"W
145°0'0"W
144°0'0"W
143°0'0"W
142°0'0"W
71°30'0"N
71°0'0"N
70°30'0"N
70°0'0"N



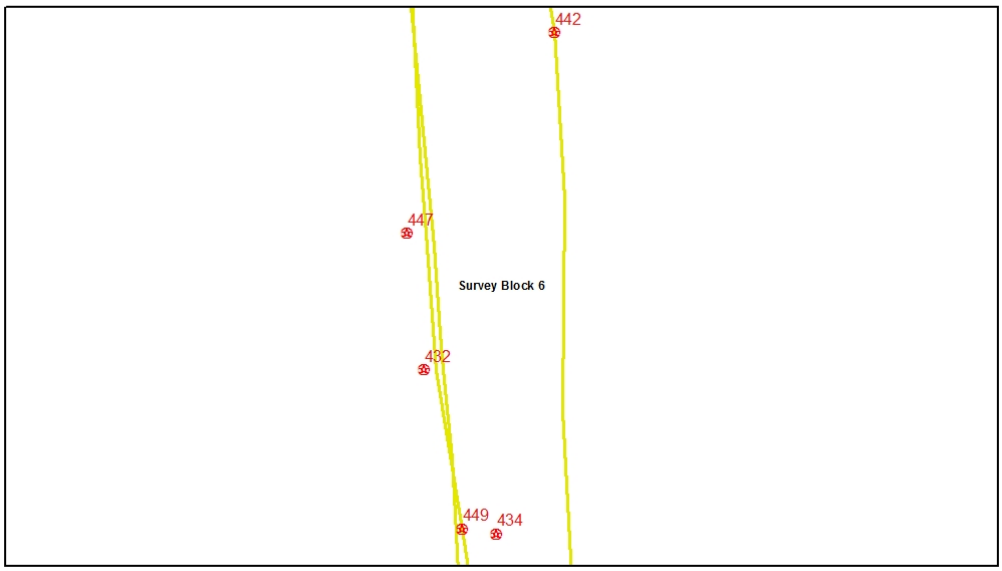

NOAA\AFSC\NMML-BOEM
Aerial Surveys of Arctic Marine Mammals Program
Flight 22, High Density Cluster 1, 9/11/2014 2:59:46 PM

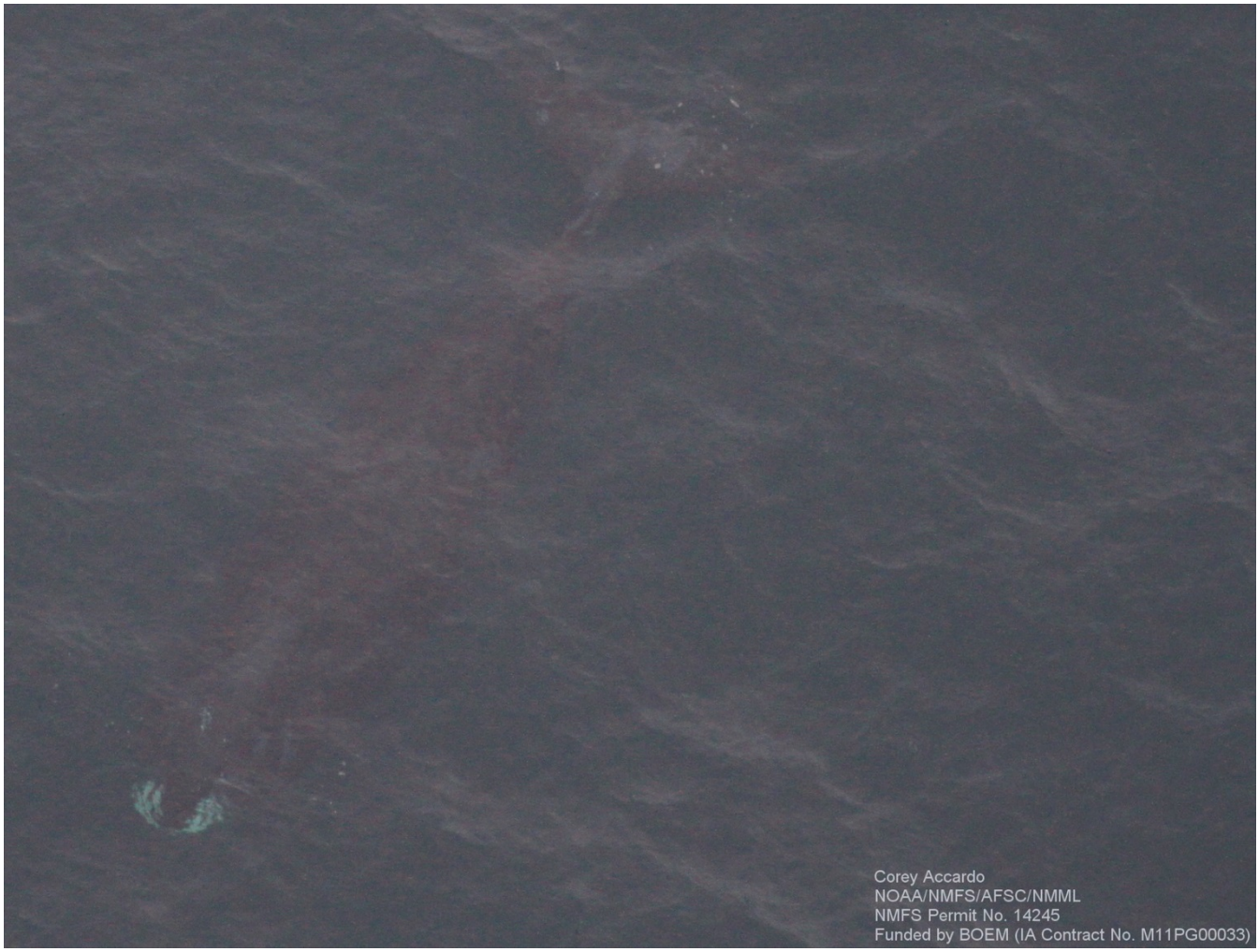
0 0.25 0.5 1 1.5 2
Kilometers

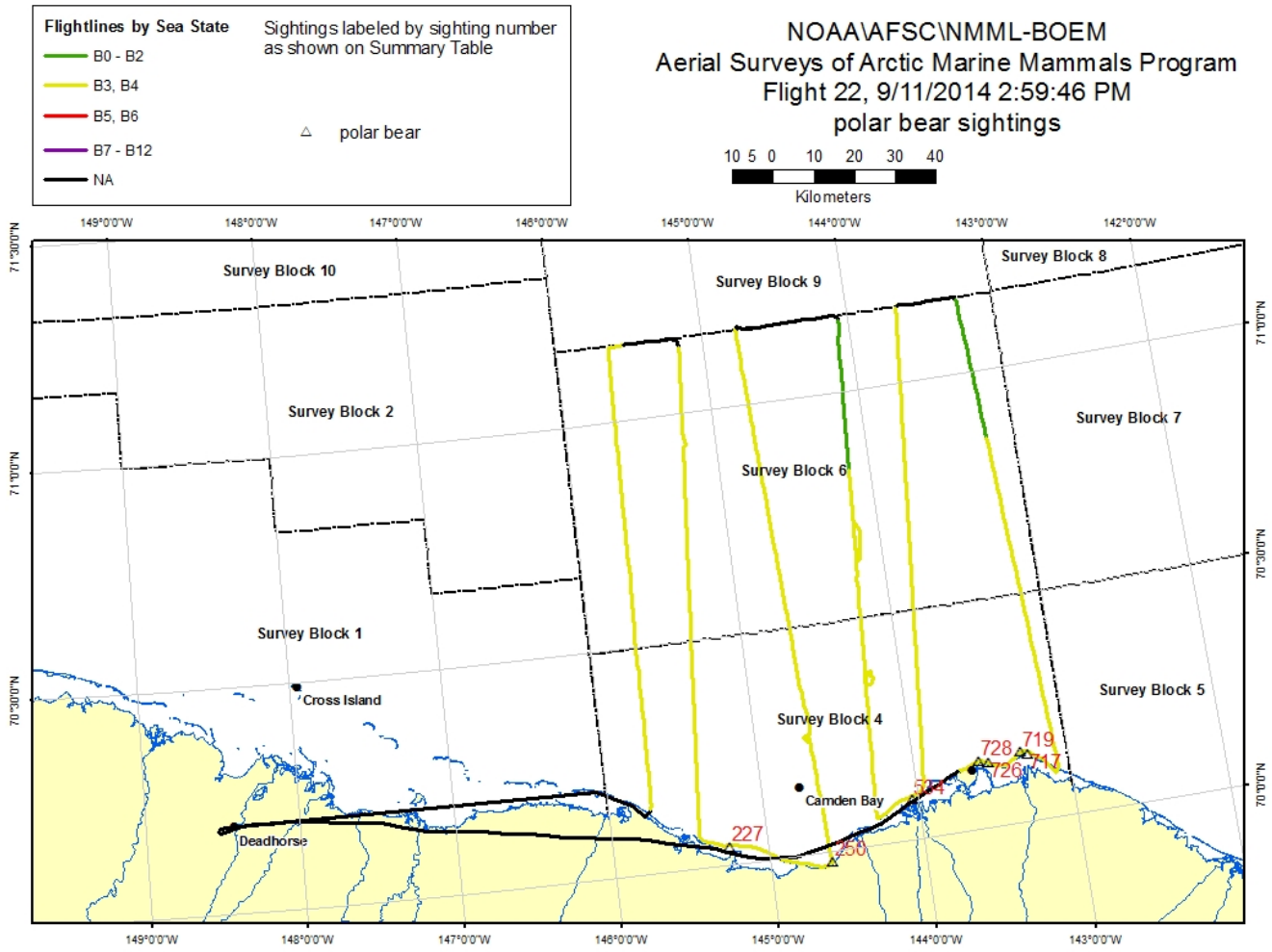



NOAA\AFSC\NMML-BOEM
Aerial Surveys of Arctic Marine Mammals Program
Flight 22, High Density Cluster 2, 9/11/2014 2:59:46 PM

0 0.125 0.25 0.5 0.75 1
Kilometers






**Bowhead whales are sometimes quite stealthy; this one remained subsurface the entire time we had eyes on it (event 273), ASAMM – Beaufort Flight 22, 11 September 2014.**

**Polar Bear Sightings:**