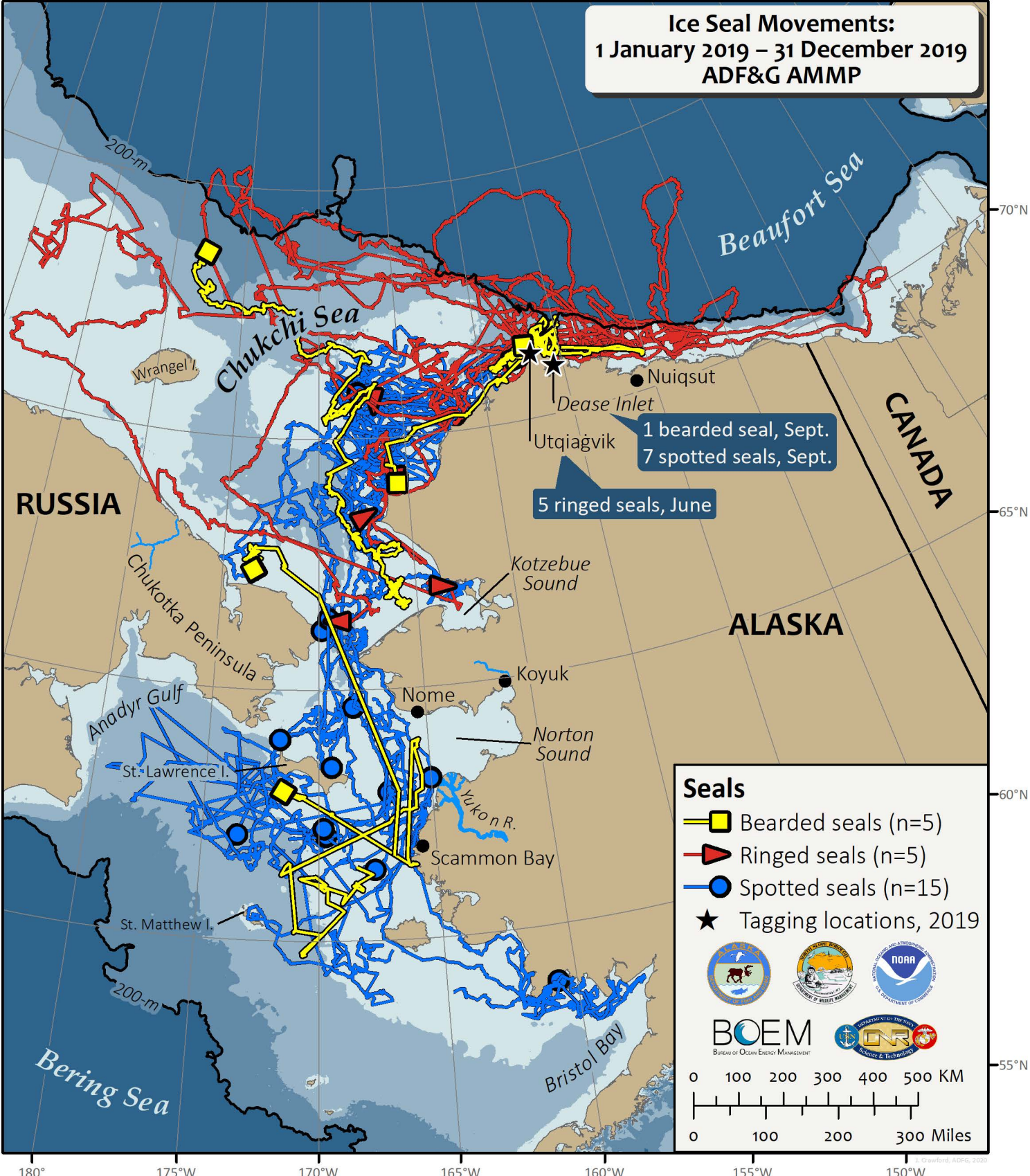


**Ice Seal Movements:
1 January 2019 – 31 December 2019
ADF&G AMMP**



Seals

- Bearded seals (n=5)
- ▶ Ringed seals (n=5)
- Spotted seals (n=15)
- ★ Tagging locations, 2019

BOEM
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U.S. DEPARTMENT OF COMMERCE

ONR
OFFICE OF NAVAL RESEARCH

0 100 200 300 400 500 KM
0 100 200 300 Miles

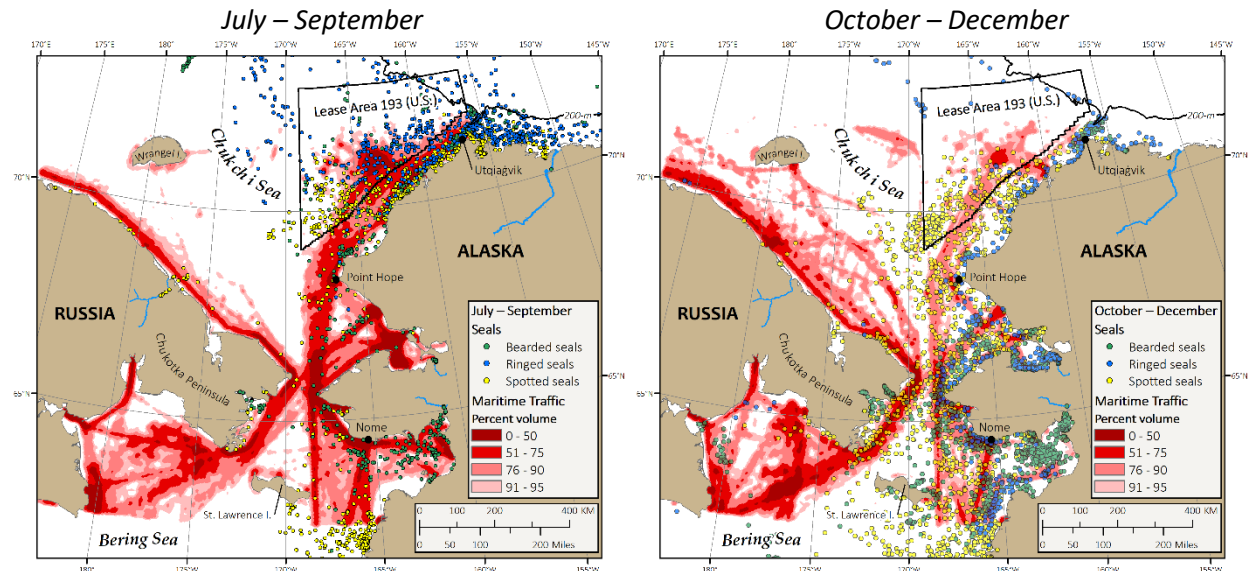
Seals were tagged from 2017–2019. Bearded seals were tagged near Nuiqsut (1), Nome (1), and Koyuk (1) in 2017; Koyuk (1) in 2018; and Utqiagvik (1) in 2019. Ringed seals were tagged near Utqiagvik (5) in 2019. Spotted seals were tagged near Scammon Bay (1) in 2017; Nuiqsut (1), Utqiagvik (4), and Scammon Bay (2) in 2018; and Utqiagvik (7) in 2019. ADF&G worked with the North Slope Borough Department of Wildlife Management to tag seals near Utqiagvik and Nuiqsut. Seal research is conducted under NMFS permit #20466 and ADF&G ACUC #0027-2018-29. Funding for seal tagging was provided by BOEM and the Office of Naval Research. NOAA provided 14 flipper-tags (SPOT) that were deployed on seals.

For more information visit: <http://www.adfg.alaska.gov/index.cfm?adfg=marinemammalprogram.icesealmovements>

Seal Tagging Project Highlights, 2019

Analysis of ship traffic and seal locations

- We analyzed seal locations relative to ship traffic and identified areas of potential overlap.
- All seals were in ship traffic areas 44% of days in summer (July–September) and 39% of days in fall (October–December).

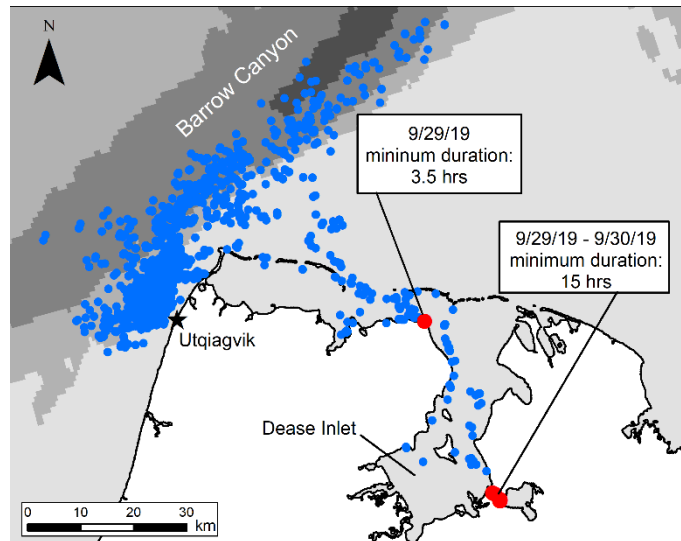


Bearded seals overlapped with traffic areas primarily in Norton Sound, while ringed and spotted seals overlapped in the northeastern Chukchi Sea

Seals were in traffic areas spread widely across the Bering and Chukchi seas

Adult bearded seal tagged

- On September 9, 2019, we tagged an 11+ year old male bearded seal in Dease Inlet.
 - It was initially observed hauled out on the bank of the Topagoruk River.
 - Very few adult bearded seals have been captured and tagged in Alaskan waters.
 - Tagging was conducted in cooperation with the North Slope Borough, Department of Wildlife.
- After being tagged this seal spent >20 consecutive days in open water, primarily near Barrow Canyon.
- This seal hauled out on land, again, in late September.



Locations of the adult bearded seal, Sept. 9–Oct. 31 (blue circles). Red circles are haul-out locations.