

# NORTH SLOPE BOROUGH

## Department of Wildlife Management



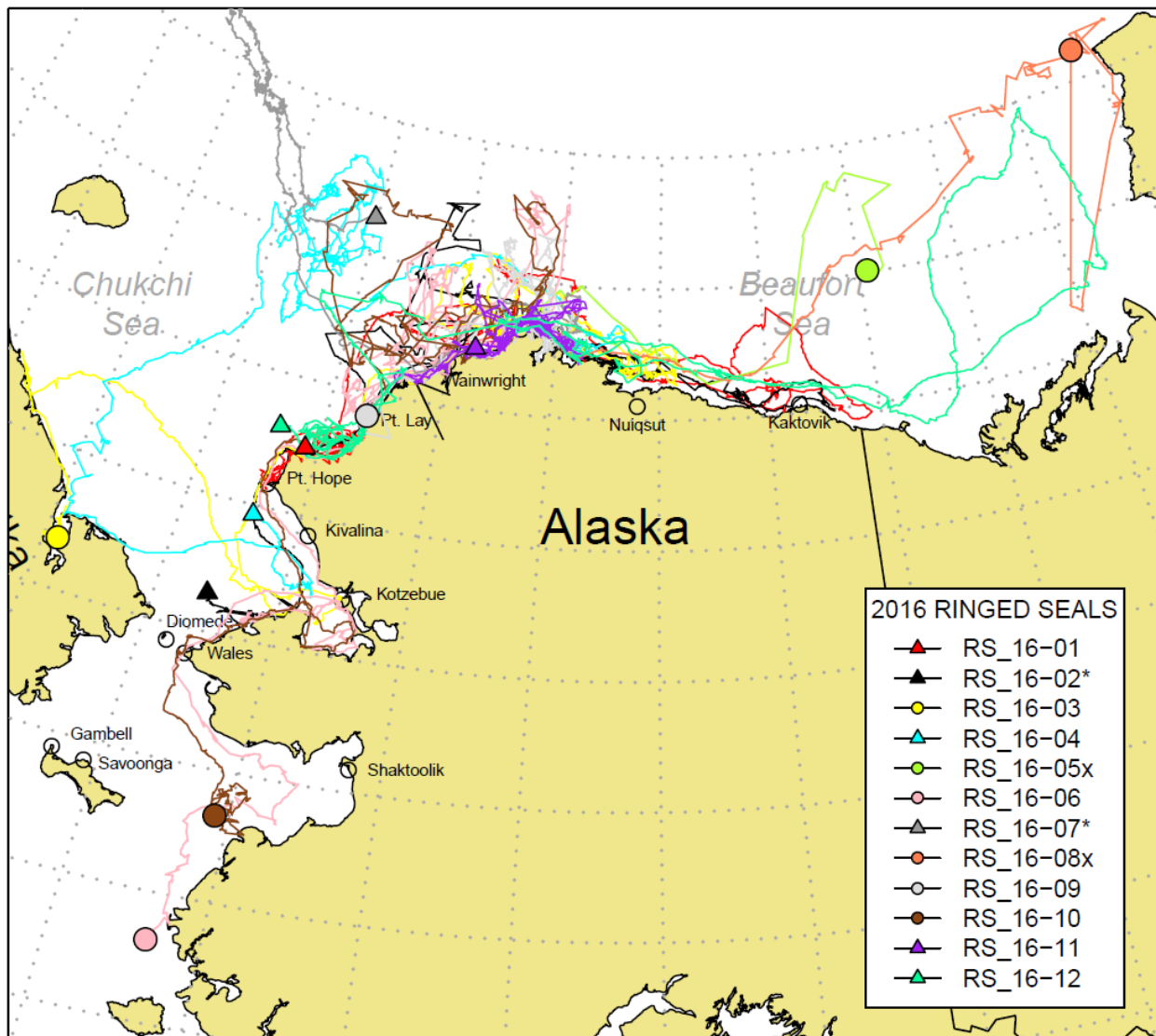
Map 2016-17\_07 Ice Seal Baseline Study (NMFS Permit #15324)

Map archives and more information are available on our webpage ([www.north-slope.org/departments/wildlife-management/studies-and-research-projects/ice-seals/ringed-seal-research](http://www.north-slope.org/departments/wildlife-management/studies-and-research-projects/ice-seals/ringed-seal-research)). Seal research is conducted under NMFS permit #15324 and Animal Care and Use Committee Protocol #2016-23.

### RINGED SEALS (as of 28-November 2016)

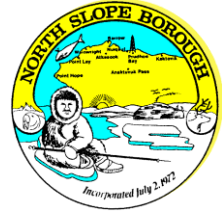
**Ringed seals** (n = 12) were tagged on 1-2 July, 2016 near Barrow, AK. Map shows seal movements and latest locations. Note: males are indicated by triangles (▲) and females are indicated by circles (●). x Indicates that the seal has stopped transmitting.

\* CTD transmitter provided by ADFG as part of a collaborative project with our department. Funding provided by the Collaborative Alaskan Arctic Studies Program (CAASP) and the Office of Naval Research (ONR).



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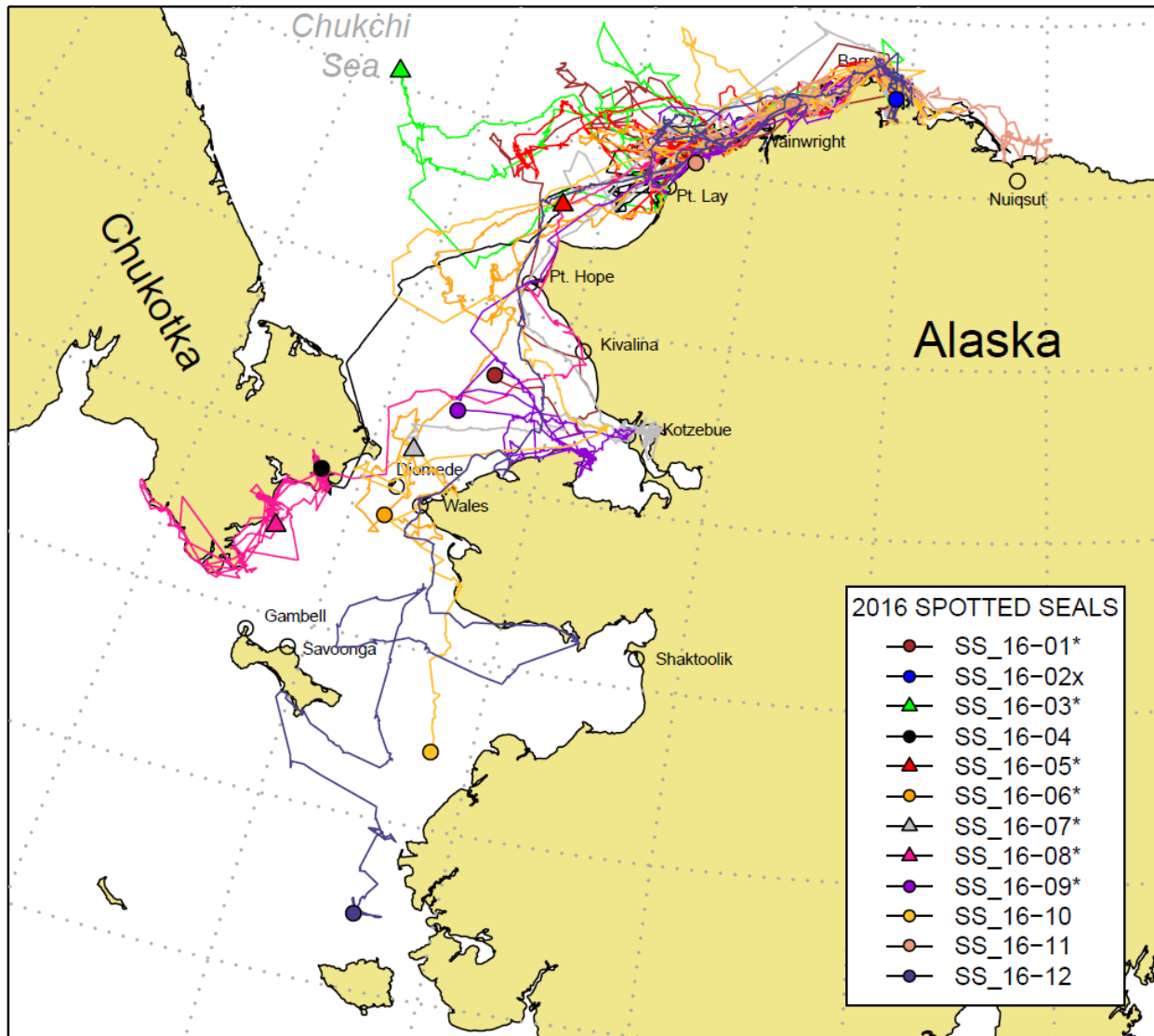


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### SPOTTED SEALS (as of 28-November 2016)

**Spotted seals** (n = 12) were tagged between 27-July and 2-Sept, 2016 in Dease Inlet, near Oarlock Island and at the entrance to Pittalukruak Lake. Map shows seal movements and latest locations. Note: males are indicated by triangles (▲) and females are indicated by circles (●). x Indicates that the seal has stopped transmitting.

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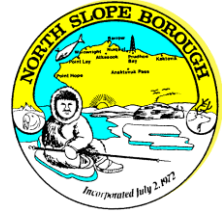


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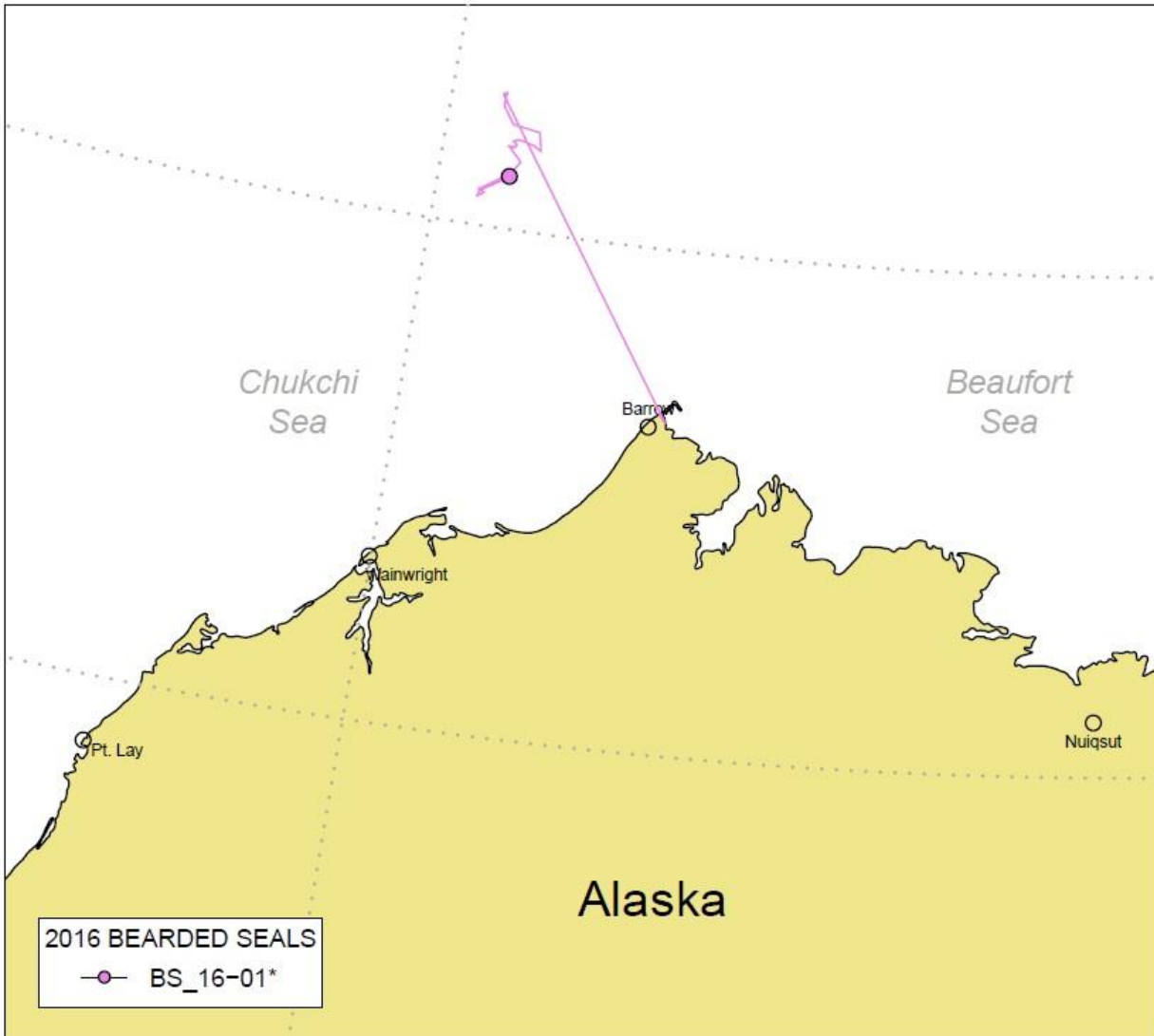
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### BEARDED SEAL (as of 4-September 2016)

**Bearded seal** (n = 1, female) was tagged on 15-Aug, 2016 at the opening of North Salt Lagoon in Barrow, AK. Map shows seal movements and latest locations. Note that seal BS\_16-01 was molting its fur when it was captured. Therefore, we were only able to tag it with a flipper tag. Flipper tags transmit only when the seal has hauled out of the water, either on land or on ice.



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### 2015 SPOTTED SEALS

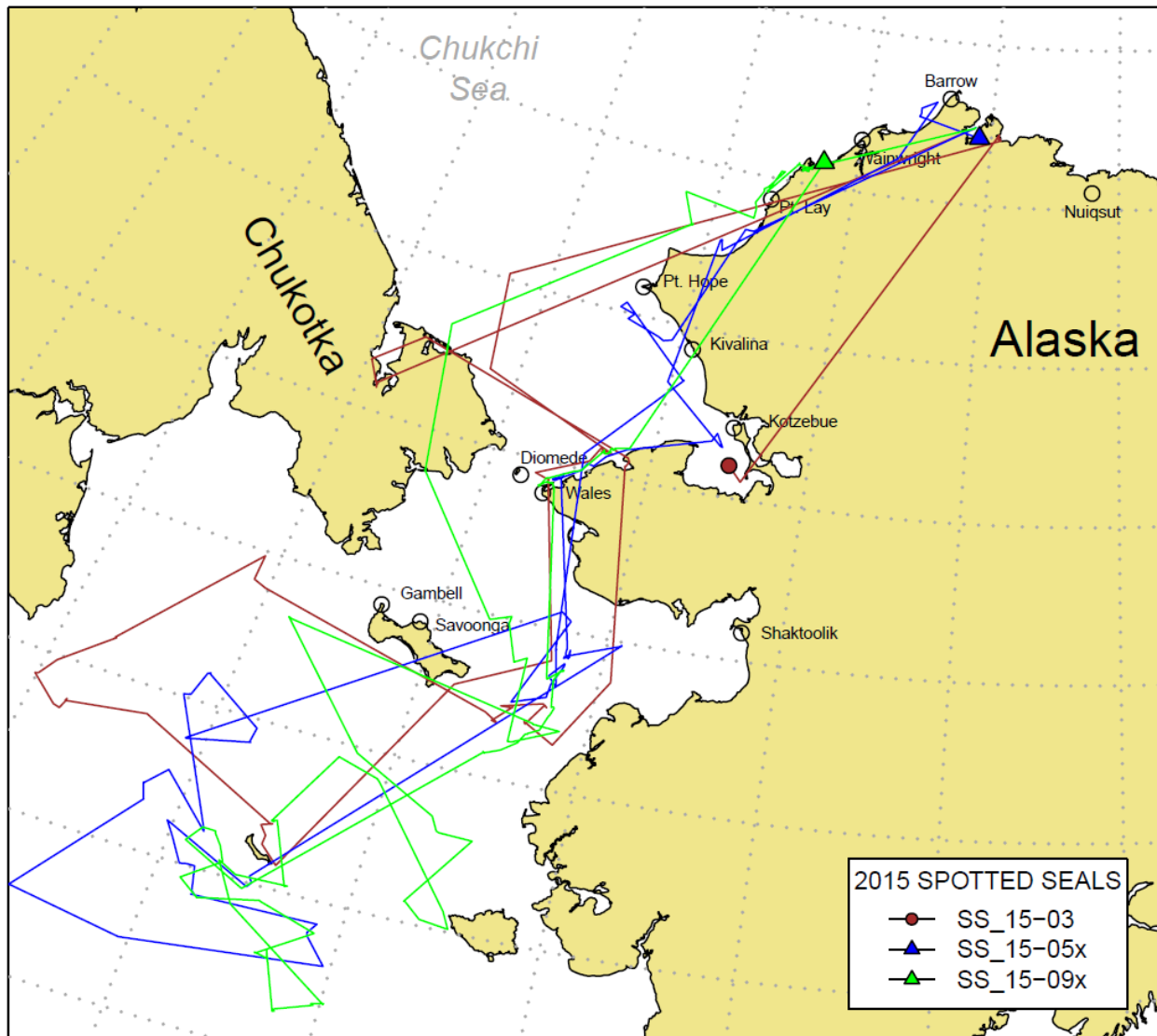
**Spotted seals** (n = 3) tagged in Dease Inlet, near Oarlock Island during summer of 2015 that still had flipper tags transmitting into summer of 2016. Flipper tags transmit only when the seal has hauled out of the water, either on land or on ice. Endpoints of line segments show seal haul out locations. The line segments between the endpoints only indicate the order in which the haul outs occurred and do not represent the path that the seals travelled.

SS\_15-03 was tagged on 7/15/2015 and last transmission was on 11/20/2016 from Kotzebue Sound.

SS\_15-05 was tagged on 8/10/2015 and last transmission was on 8/30/2016 from Dease Inlet.

SS\_15-09 was tagged on 8/15/2015 and last transmission was 7/19/2016 from Kasegaluk Lagoon.

Note: males are indicated by triangles (▲) and females are indicated by circles (●). x Indicates that the seal has stopped transmitting.



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