

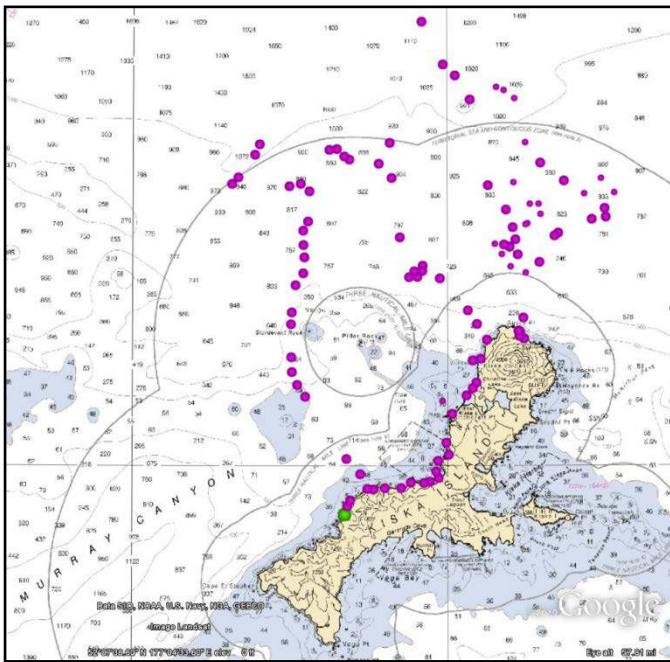
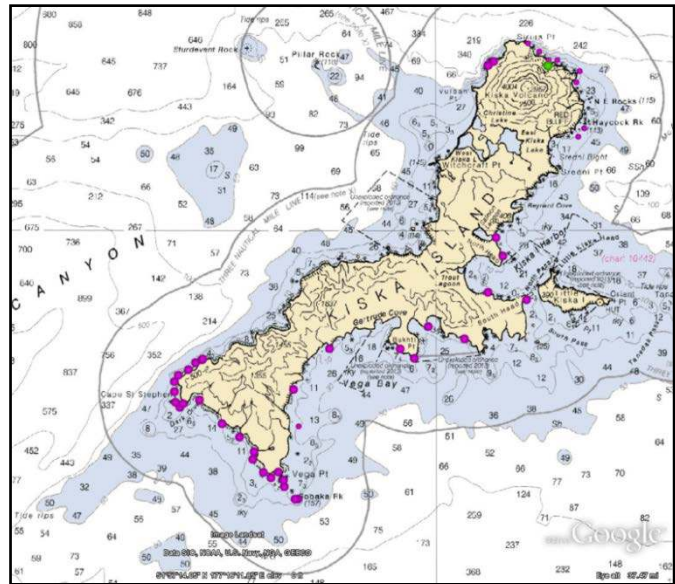


**Background**

This is the fourth update of positions for three adult female Steller sea lions carrying satellite-linked tags, deployed in October 2014. Maps are for informational purposes only as positions and track-lines are preliminary and subject to change. Study conducted under authority of ESA/MMPA Permit No. 18528. Preceding the arrival of the remnants of typhoon Nuri, winds were forecast as southeast at 30 knots this morning but shifting southwest and increasing to 70 knots today.

**Kiska sea lion '=30'**

From Cape Saint Stephens moved to Sobaka Rock on November 1, back to Cape St. Stephens on the 2nd, was back at Sobaka Rock on November 5th, then proceeded up the eastern side of Kiska arriving at Wolf Point (northwest side) on the 6th, and moved east to a cove on the northeast side (most recent position in green).



**Kiska sea lion '=31'**

On October 31 she left the Lief Cove rookery site for a trip about 21 nm northwest, ending at Wolf Point on November 1, then moved down the coast to Witchcraft Point. On November 2<sup>nd</sup> she moved back to the rookery site near Lief Cove. The next day she went to about 8 nm north of Sirius Point, and ended that trip at Sirius Point. On November 4<sup>th</sup> she swam out to about 19 nm northwest of Sirius Point, arrived back at Kiska near Vulcan Point and returned to the Lief Cove haulout by November 5<sup>th</sup> where she has been since (current location in green).

**Adak sea lion '=32'**

As of October 30 no new positions have been received. This sea lion also carries a head-mounted transmitter scheduled to activate on December 11<sup>th</sup>