

# Hello North Slope Residents:

We are planning a new study in the Chukchi Sea called CHAOZ which will help us better understand where whales spend their time in relation to food, ocean conditions and oil and gas activities.



Chukchi Acoustics, Oceanography, and Zooplankton Study (CHAOZ)

*Research Vessel: F/V Alaskan Enterprise  
(please see map on back)*

*Cruise Dates: August 24, 2010 (Nome) – September 20, 2010 (Dutch Harbor)*

## Research Goals:

- Determine where bowhead, gray, fin and humpback whales are in the Northeast Chukchi Sea using shipboard observations, seasonal and year-round acoustic recorders.
- Monitor changes in the marine ecosystem through time.
- Learn how whales respond to changes in climate and human activities.

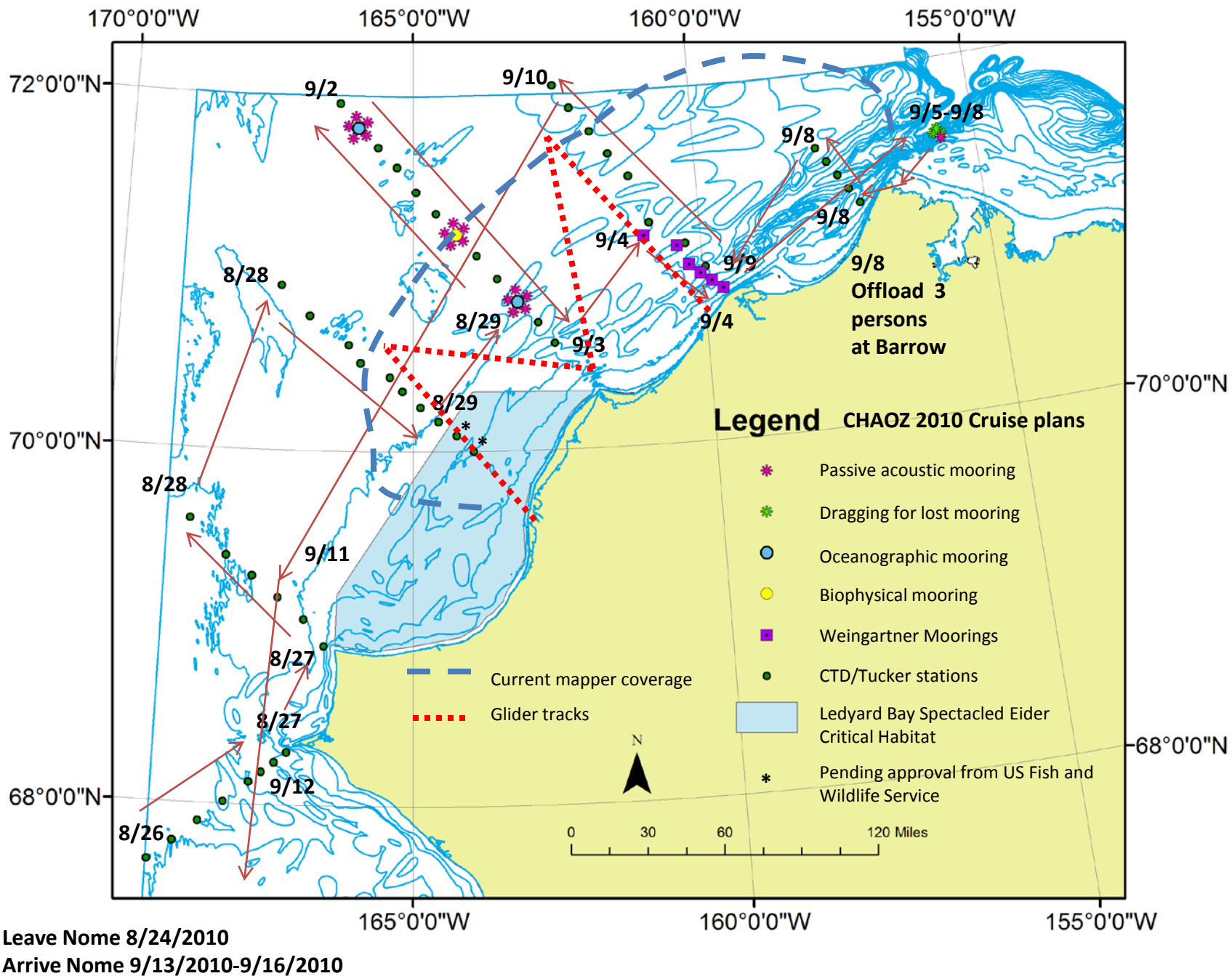


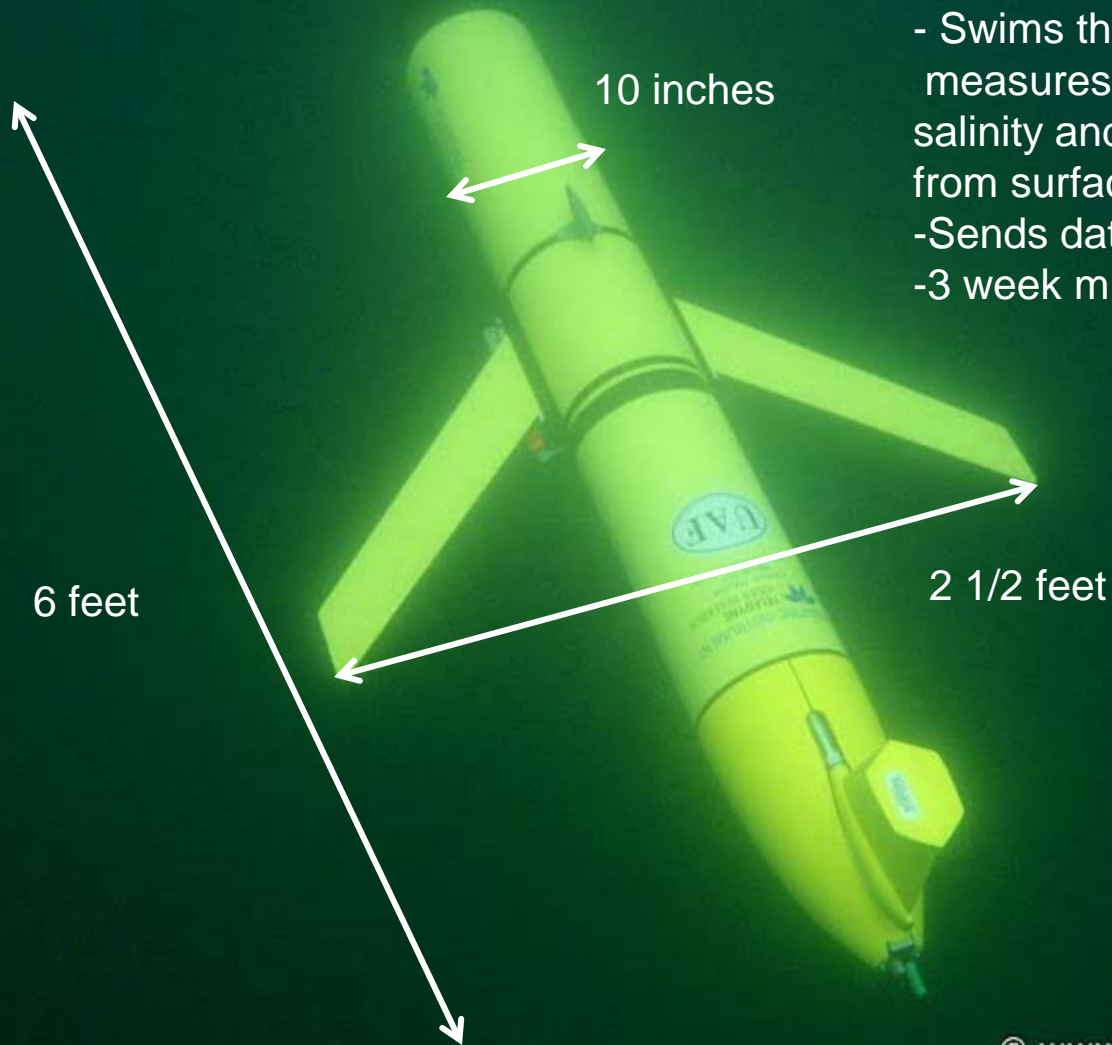
## Principle Investigators:

**Catherine Berchok and Jeffrey Napp**, Alaska Fisheries Science Center, NOAA, Seattle, WA  
**Phyllis Stabeno and James Overland**, Pacific Marine Environmental Lab., NOAA, Seattle, WA  
**Sue Moore**, Science & Technology (ST7), NOAA, Seattle, WA  
**Thomas Weingartner**, University of Alaska, Fairbanks, AK

If questions, contact: [Catherine.Berchok@noaa.gov](mailto:Catherine.Berchok@noaa.gov)  
206.526.6331

**Among many things, we will study krill and other important whale foods to determine where they occur and why.**

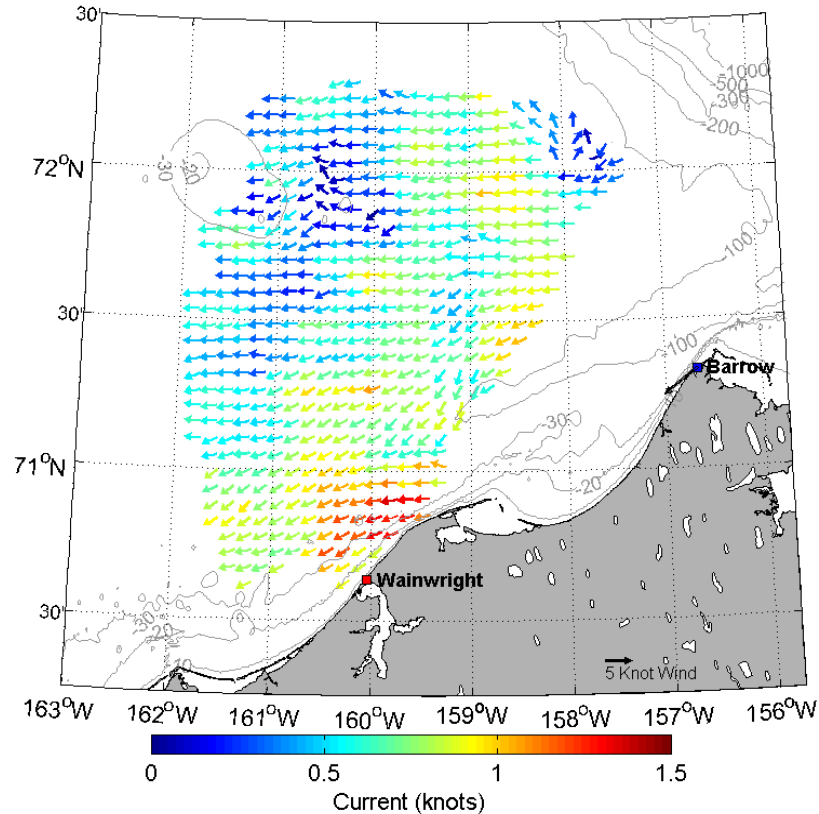




Glider:

- Swims through ocean and measures temperature, salinity and chlorophyll from surface to bottom
- Sends data realtime
- 3 week missions

Chukchi Sea Surface Currents  
9-17-2009 19:00 AKST



Surface Current mappers are located onshore in Barrow, Wainwright, and Pt. Lay.

Map currents hourly offshore to 100 miles

Transmit data in realtime

Surface current and glider data will be posted on a publicly accessible website and available to North Slope Borough residents and schools.

Presentations will be made to Pt. Lay, Wainwright, and Barrow residents.