

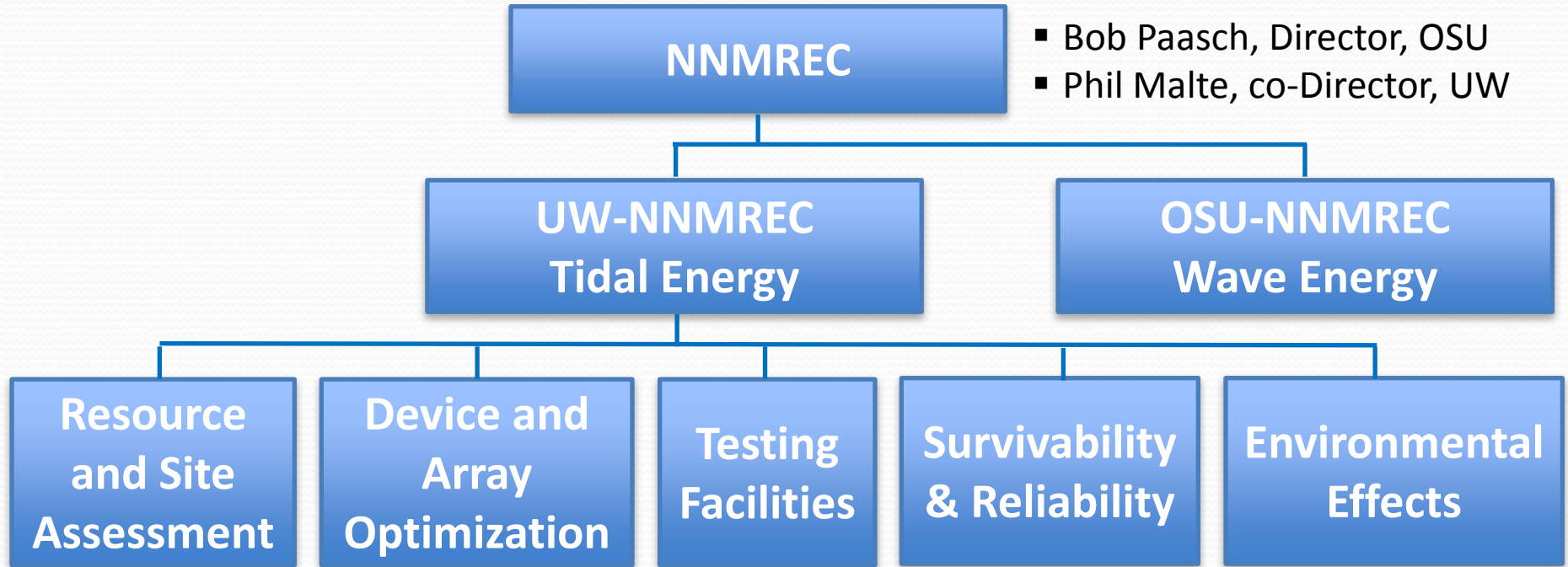
# Northwest National Marine Renewable Energy Center

Brian Polagye, Research Assistant Professor  
University of Washington

## Global Marine Renewable Energy Conference

April 14, 2010

# UW-NNMREC Research



**8 Faculty members involved**

**6 Graduate student researchers supported**



# Resource and Site Assessment - Techniques

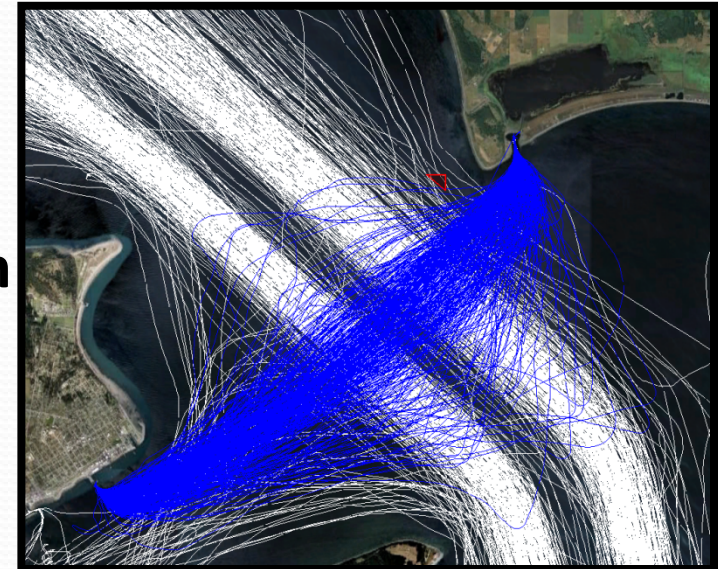


**Seabed Instrumentation**  
*Measurement Tripod*

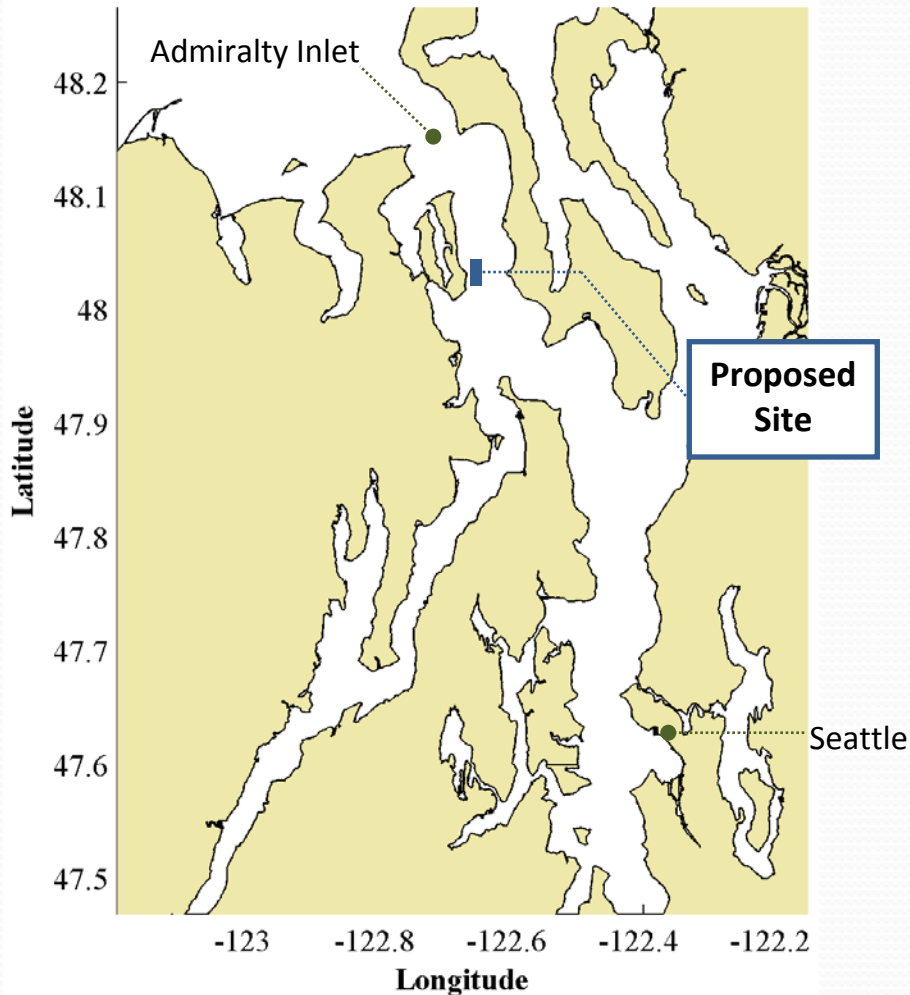


**Shipboard Survey**  
*R/V Jack Robertson*

**Land Observation**  
*AIS Ship Tracks*



# Device Testing Plan



## Development

- Partnership with Sound and Sea Technology and Pacific Northwest National Laboratory
- Soliciting feedback on draft infrastructure and operations plan
- Device testing planned to begin in early 2013

## Test Berths (3)

- Cabled for power and performance data
- Permitted to operate under an adaptive management framework

## Monitoring Nodes (10)

- Cabled for remote real-time observation
- Site-wide environmental monitoring
- Biological and physical effects