



# Welcome

The following 10 pages provide you with different options

- **Navigate** the pages using the upper navigation bar.
- **Scroll** through the pages with the scrollbar to the right
- **Download** or print the document



## Tidal Effects and Solute Transport (Mooring Program)

**Monthly Overview**

*Look at last months conditions at a glance*

**Site Description**

*Read about the mooring sites description*

**Real Time Data**

*Access our real time data*

**Past Locations**

*Search for past locations and data*





**R** Mooring with real time data feed

**Average conditions for June, 2011** (updated 6/20/2012)

Temperatures increasing in response to solar radiation and warmer airtemperatures. Oxygen concentrations decreasing to normal levels as blooms fade. Several moorings currently not reporting

Willapa Bay  
 no data °C (- change)  
 no data PSU (- change)  
 no data mg DO/L (- change)

Admiralty Reach  
 no data °C (-)  
 no data PSU (-)  
 no data mg DO/L (-)

Shannon Point  
 -9.3°C (+0.7)  
 -29.4 PSU (-0.1)  
 8.1 mg DO/L (-1.5)

Manchester  
 no data °C (-)  
 no data PSU (-)  
 no data mg DO/L (-)

Mukilteo  
 9.2 °C (+0.7)  
 28.3 PSU (+0.2)  
 -9.5 mg DO/L (-0.3)

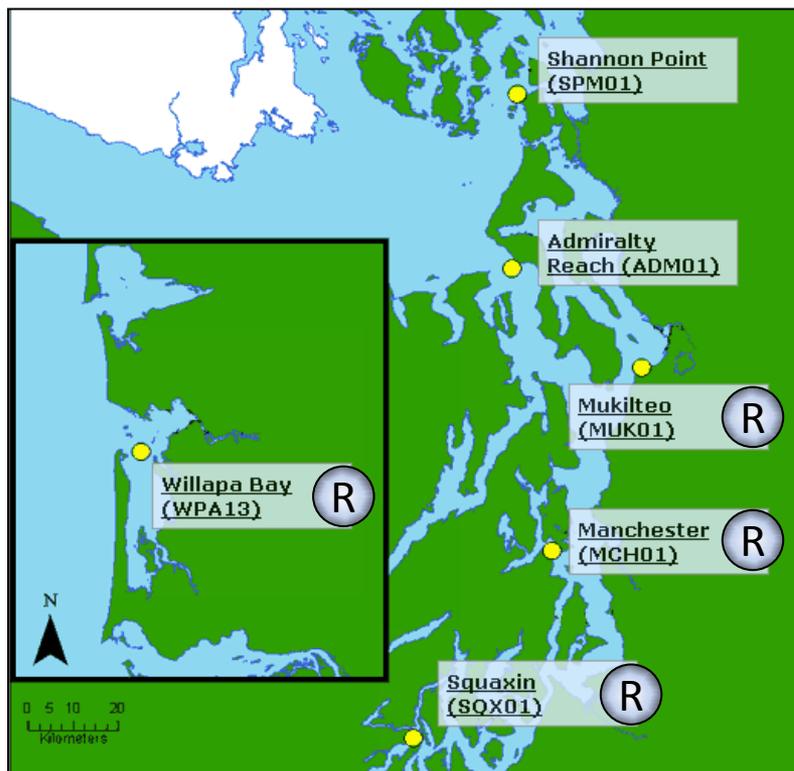
R

R

R



Please select mooring by clicking on the map



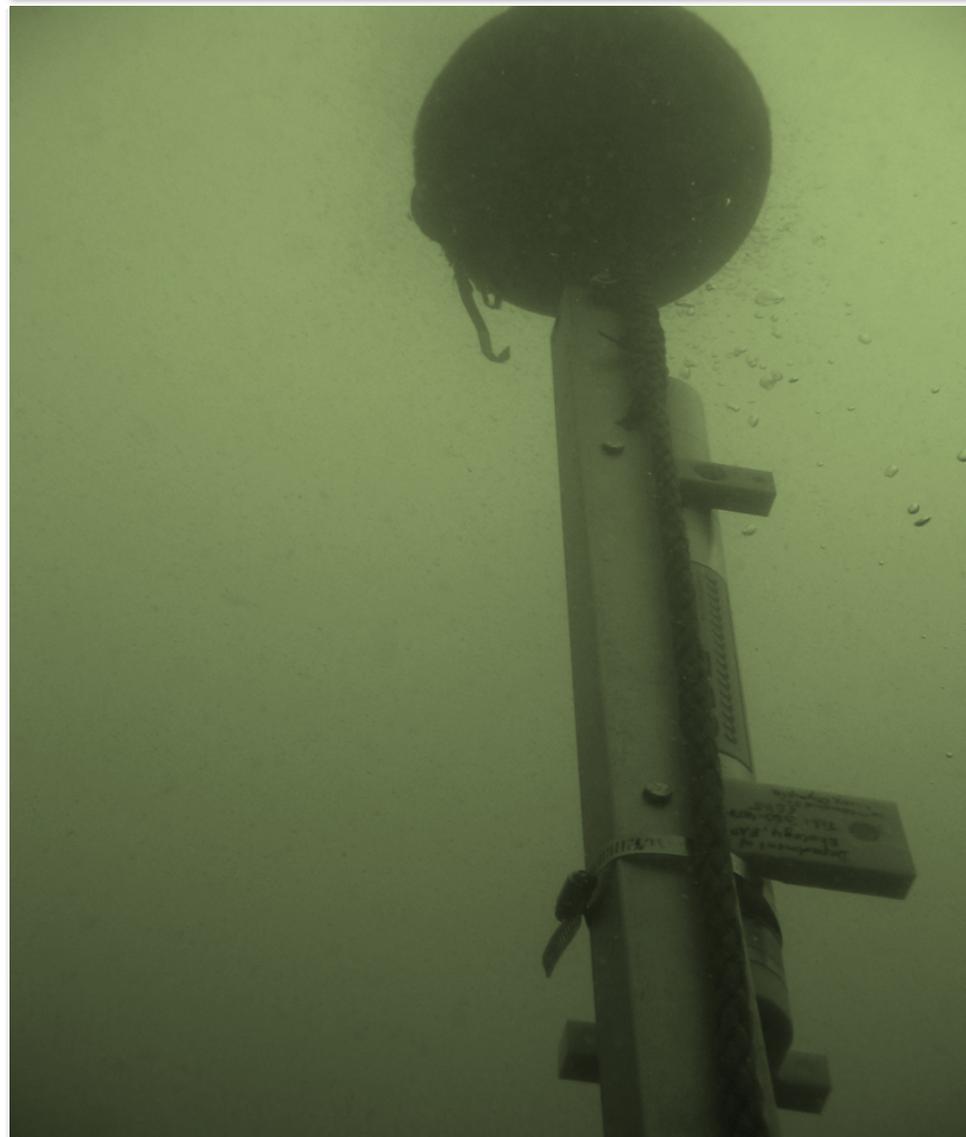
**SMP01BR (48.510 N 122.685 W)**

[Maintained in collaboration with Shannon Point Marine Center](#)

One instrument deployed adjacent to the Shannon Point Marine Laboratory sea-water intakes, i.e., in fixed position at 6.6 m depth (MLLW). The near-bottom package (model SBE 16+ and SBE 43) measures temperature, conductivity, density, salinity, and dissolved oxygen.

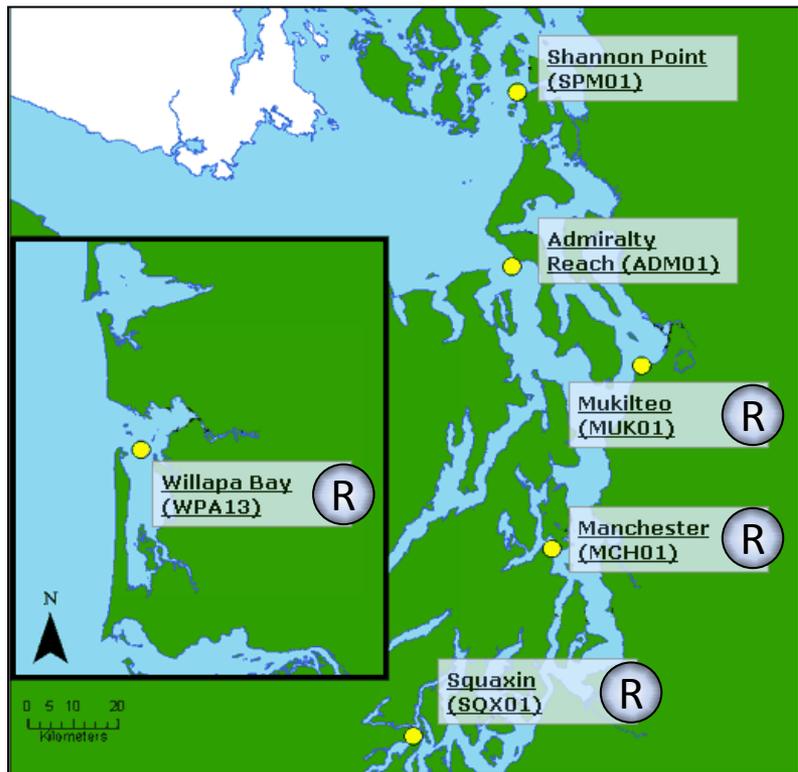
**R** Mooring with real time data feed

Shannon Point (July-August 2011)





Please select mooring by clicking on the map



**ADM01BR (48.150 N 122.690 W)**

[Maintained in collaboration with Applied Physics Laboratory](#)

One instrument deployed on the Admiralty Reach sill, i.e., in fixed position at 56.0 m depth (MLLW). The near-bottom package (model SBE 16+ and SBE 43) measures temperature, conductivity, density, salinity, and dissolved oxygen.

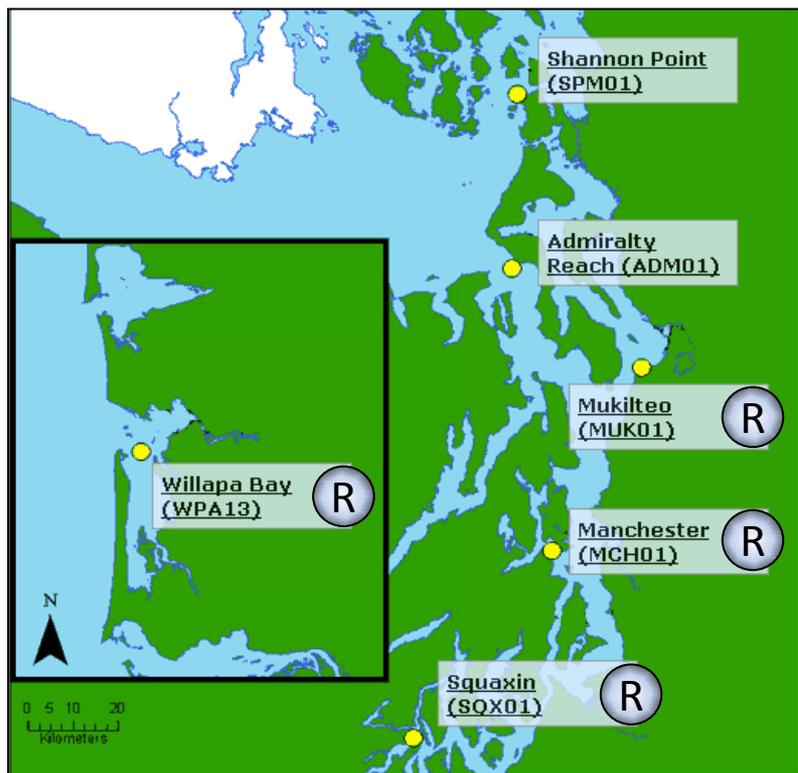
**R** Mooring with real time data feed

Admiralty Reach (July-August 2011)





Please select mooring by clicking on the map



### MUK01BR and MUK01SR (47.954 N 122.280 W)

[Maintained in collaboration with ORCA College](#)

Two instruments deployed off the end of the Boeing Port of Everett pier, i.e., in fixed positions at 13.3 m and 3.3 m depth (MLLW). The near-surface package (model SBE37SMP) measures temperature, conductivity, density, and salinity. The near-bottom package (model SBE 16+ and SBE 43) measures temperature, conductivity, density, salinity, and dissolved oxygen.

**R** Mooring with real time data feed

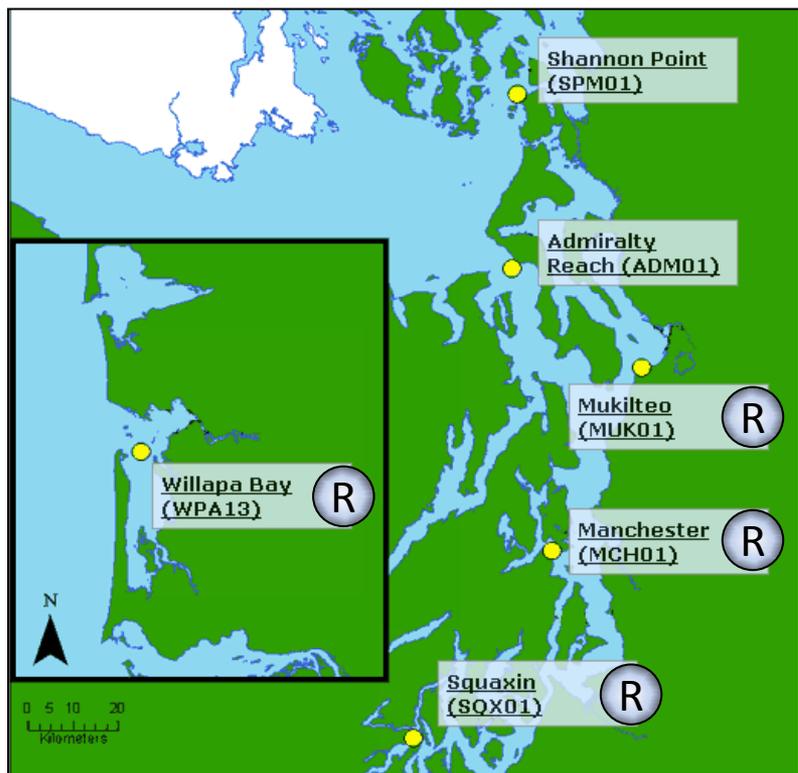
Mukilteo (July-August 2011)

**R**





Please select mooring by clicking on the map



### MCH01BR and MCH01SR (47.572 N, 122.550 W)

Two instruments deployed off the end of the Manchester Laboratory pier, i.e., in fixed positions at 10.4 m and 3.4 m depth (MLLW). The near-surface package (model SBE37SMP) measures temperature, conductivity, density, and salinity. The near-bottom package (model SBE 16+ and SBE 43) measures temperature, conductivity, density, salinity, and dissolved oxygen.

**R** Mooring with real time data feed

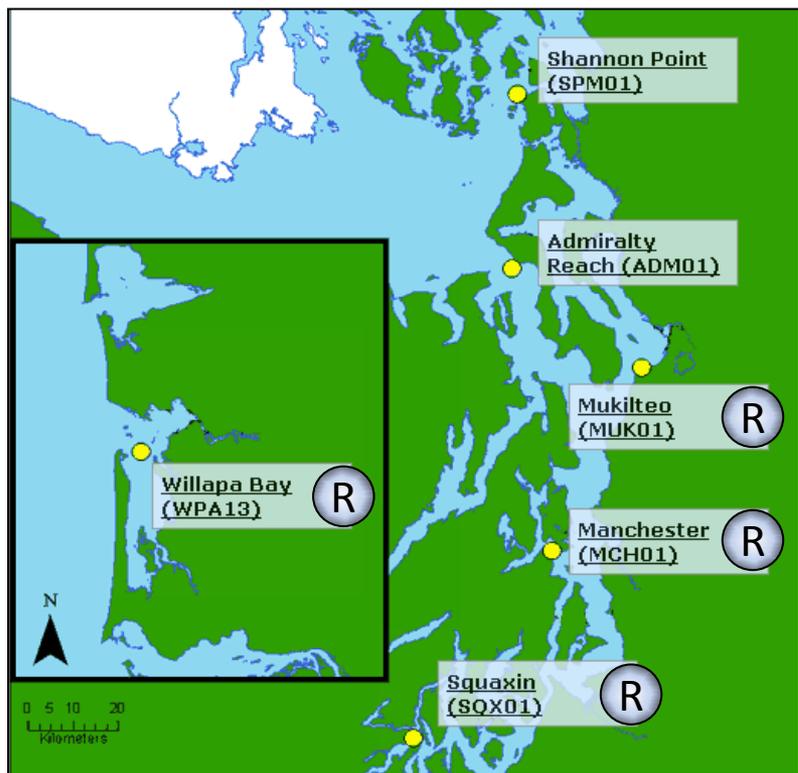
Manchester (July-August 2011)

**R**





Please select mooring by clicking on the map



### SQX01CF (47.183 N, 122.940 W)

One instrument deployed off the Carylton Beach dock, i.e., floating at 5.3 m depth. The package (model SBE 16+ and SBE 43) measures temperature, conductivity, density, salinity, and dissolved oxygen.

**R** Mooring with real time data feed

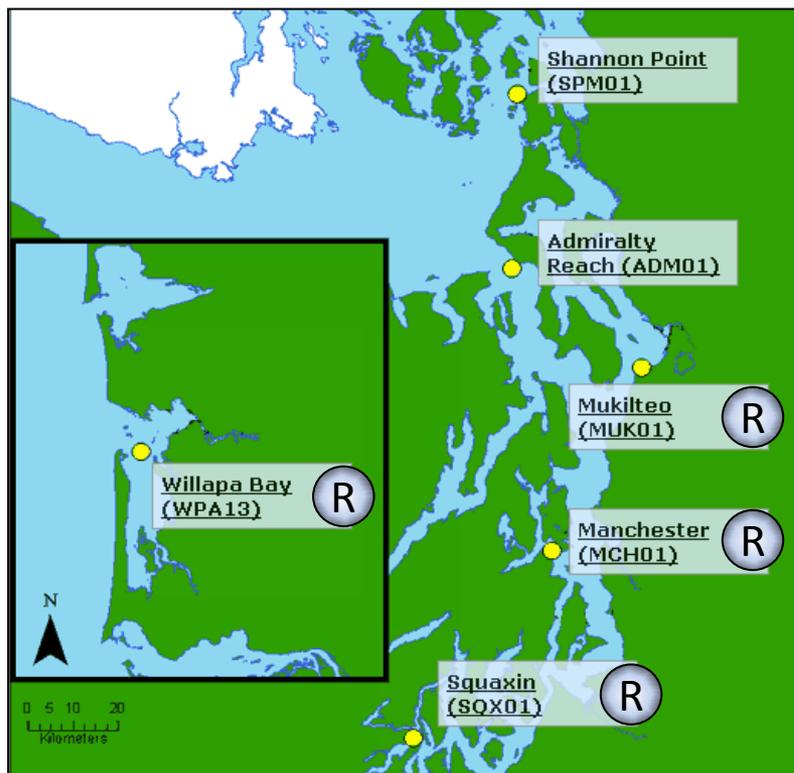
Squaxin Passage (July-August 2011)

**R**





Please select mooring by clicking on the map



**Site description: 46.644 N 123.993 W**

Two instruments at the Bay Center, i.e. floating at 0.5 m and one fixed at 5.0 m depth (MLLW). The floating package (model SBE 16+ and Wetlabs WetStar) measures temperature, salinity, and chlorophyll, fluorescence, The rigid instrument (SBE 37) measures temperature, conductivity, pressure, and salinity.

**R** Mooring with real time data feed

Willapa Bay (July-August 2011)

**R**



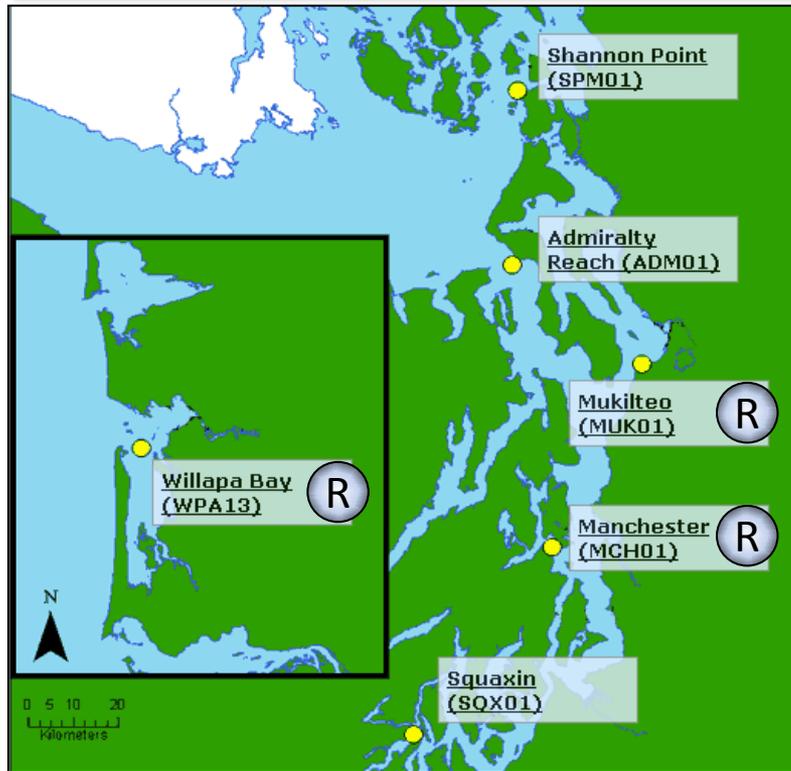


## Continuous real time Marine Data from Monitoring Stations (Mooring)

The mooring program is part of the **Northwest Association of Networked Ocean Observing Systems (NANOOS)**. The goal is to integrate observations of the estuaries and shorelines of the Northwest to enable the broadest access to ocean data, products, tools, and knowledge. **Go to our real time Data using the left navigation link on our main page.**

### Stations with real time capability

R



### Get our final data currently on our ftp server:

#### •Real time sites

- Mukilteo
- Manchester
- Squaxin Passage
- Willapa Bay

#### •Non telemetered sites

- Shannon Point
- Admiralty Reach

**Note:** We are expanding our mooring data base capabilities. We will soon switch to an online-accessible database and abandoning this link. In the meantime we are posting data at our ftp site.



## Past Locations and Data from Monitoring Stations (Mooring)

To focus our continuous monitoring efforts and making them more effective in supporting the Water Quality Program we have abandoned several of our past continuous monitoring stations and variables. However the data can still be accessed from this site.

Department of Ecology currently posts archived mooring data (2010 to present) at:

[ftp://ecy.wa.gov/eap/Mooring\\_Raw/](ftp://ecy.wa.gov/eap/Mooring_Raw/)

Posted data is preliminary pending further review. Additional historical data is available upon request. Please contact [damo461@ecy.wa.gov](mailto:damo461@ecy.wa.gov)