Baker to Bay
Searching for Certainty in Uncertain Times

Agenda Day 2 - September 21, 2017
State of the Science – Latest Research

8:00 – 9:00 am **Registration and Check-In**

9:00 – 9:15 am **Introduction and Overview –** Moderator, Sue Blake, WSU Extension/Washington Sea Grant

9:15 – 9:35 am **Keynote Speaker** – Bradley F. Smith, PhD, Chair, Fish & Wildlife Commission

9:35 – 11:00 am **Session I – Upper Watersheds**

- Modeling the Effects of Forecasted Climate Change on Hydrology in the Nooksack River Basin - Robert Mitchell, PhD, WWU Department of Geology
- Restoring Fluvial Corridors as a Fundamental Strategy to Buffer Hydrologic Impacts of Climate Change - Tim Abbe, PhD, Natural Systems Design
- Salmon Habitat Restoration in Hot Water: Engineered Log Jams, Hyporheic Exchange and Cool-Water Refuge - James M. Helfield, PhD, WWU Dept. of Environmental Sciences
- Effectiveness Monitoring of Freshwater Habitat Restoration Projects in the Nooksack Watershed - Michael Maudlin, Forest Resource Protection Specialist, Nooksack Tribe

11:00 – 11:15 am **Break**

11:15 – Noon **Session II – Lower Watersheds**

- Nooksack-Abbotsford-Sumas Transboundary Nitrogen Study – David Hooper, PhD, WWU Department of Biology
- Performance of Porous Pavements Under Controlled Conditions in Western Washington - Anand D Jayakaran, PhD, WSU Puyallup Research and Extension Center

Noon – 1:30 pm **Lunch**

Keynote Speaker – Michael Schmidt, Salish Sea Marine Survival Project

1:30 – 2:35 pm **Session II – Lower Watersheds (continued)**

- The Nooksack River Instream Flow Rule - Jay Chennault, L.G., L.Hg., P.E., Associated Earth Sciences, Inc
- Planted Riparian Buffers in the Agricultural Landscape: Are They Making a Difference in Water Temperature at the Local Stream Reach Scale - Jessica Shaw, WSU Extension Whatcom County
- Squalicum Creek Reroute: Restoration Efforts Result in Temperature Improvements - Analiese Burns, City of Bellingham, Habitat and Restoration Manager

2:35 – 4:00 pm **Session III – Shorelines and Marine Systems**

- Corrosive water in Bellingham Bay - David Shull, PhD, WWU Department of Environmental Sciences
- Sea-level Rise Impact Pathways to Bellingham Bay Communities and Ecosystems - Eric Grossman, PhD, USGS Pacific Coastal and Marine Science Center and Research Faculty, WWU Department of Geology
- Who Gets the Salmon: Seals, Sea Lions, Orcas or People? - Steve Jeffries, Dept. of Fish and Wildlife
- Juvenile Chinook Salmon in Bellingham Bay - Eric Beamer, Skagit River Cooperative

4:00 – 4:10 pm **Wrap-Up Day 2 – Next Steps**