**Derek Brady**

**March 10, 2012**

**FISH 498**

**Internship Proposal**

**1. Learning Objectives:**

**a.** Understand juvenile salmon habitat use within Grays-Harbor estuary.

**b.** Learn about estuarine habitats and their ecological significance.

**c.** Increase skill set to include fyke trapping, beach seining and PNW species identification.

**d.** Learn how research in the field is managed, conducted and applied.

**2. Internship Description/Location:**

**What I will be doing:** Assisting in an assessment of habitat use by the fish community in the tidally-influenced areas of the Chehalis River estuary (Grays Harbor) and tributaries. The sampling effort will use fyke trapping and beach seining to capture, identify, measure, and release juvenile fish from March to June 2012. In addition, habitat assessments will also be made to identify areas for future habitat restoration projects to aid in salmon recovery in the Chehalis Basin.

**Location:** Wild Fish Conservancy,Grays-Harbor, Washington

**3. How the Project will be documented:**

The project will be documented through a daily online journal; the journal will include daily observations, what I learned, activities, what was accomplished, what will be accomplished and photos of fieldwork. Working Journal: wfcdailyjournalSEHU.blogspot.com

**4. Timeline: Spring 2012**

**March 24th – Internship begins, orientation in Grays-Harbor**

**March 26th – Sampling begins within Grays-Harbor estuary**

**Return dates are tentative - Internship consists of 8 days on/ 5 days off pattern**

**April 5th – Return to University to Washington, meet with Professor Roberts concerning capstone and internship.**

**April 20th – Return to University of Washington, meet with Professor Roberts concerning internship and journal progress.**

**May 20th - Return to University of Washington, meet with Professor Roberts concerning internship progress.**

**June 5th – Sampling ends at Grays-Harbor**

**-Return to University of Washington; meet with Professor Roberts concerning internship final and capstone presentation.**