## Title:

Protocols to Measure and Assess Select Geomorphic and Habitat Correlates For the YKFP EDT Model

## Author:

Douglas J. Eitemiller M.S. Anthony Gabriel Ph.D. Paul Blanton M.S. Candidate

## Summary of Presentation:

The goal of this work is to develop a suite of protocols used to measure and assess select geomorphic and habitat correlates for Yakima Klickitat Fisheries Project (YKFP) the Ecosystem Diagnosis and Treatment (EDT) model. The level two correlates include the following: gradient, examined habitat type composition, minimum and maximum channel width, natural and anthropogenic confinement, riparian function, and measurements of woody debris.

All of the methods described were developed or chosen for their level of precision relative to assessment scale and the expenditure of both time and money required to implement them. This is a key point, since the range of index values associated with each of the level two correlates within EDT does not EDT reaches were classified necessitate absolute precision. using Montgomery and Buffington's (1992) stream classification Other correlates were assessed using a combination of system. aerial photo interpretation and field measurements. We also compared the correlate measurements resulting from random, systematic and stratified sampling strategies. The protocols we have developed will serve to expedite the EDT process wherever it is implemented.