

**JOHN F. ORSBORN, P.E.**

Consulting Engineer  
31 Forester Lane  
Port Ludlow, WA 98365  
360 206/437-0670

9/7/06

MEMORANDUM

TO: Gregory T. Ruggerone, PhD  
Natural Resources Consultants, Inc.

FROM: John F. Orsborn, PE  
Consulting Engineer

SUBJECT: Review of Report on Fish Migration Through Upper Sultan River Canyon  
Prior to Construction of Culmback Dam.

I have reviewed your subject report prepared for the City of Everett in July of 2006 and offer the following comments:

The report is very thorough and brings together both an analytical approach to the problem plus historical observations.

The field topographic survey and the data on water surface elevations (taken during four flows) are comprehensive.

By assuming the best fish leaping and landing conditions, you have done the analyses in the most favorable circumstances for the fish.

The analytical methodology has been correctly applied and supports your conclusions.