



## WATER RESOURCES RESEARCH GRANT PROPOSAL

**Project ID:** 2004OR49B

**Title:** Riverine gravel supply in Oregon

**Project Type:** Research

**Focus Categories:** Geomorphological Processes, Hydrology, Sediments

**Keywords:** Sediment transport, gravel, environmental impacts

**Start Date:** 02/15/2004

**End Date:** 02/14/2005

**Federal Funds:** \$10,037

**Non-Federal Matching Funds:** \$21,736

**Congressional Districts:** Oregon 1, 5

**Principal Investigator:**

Peter Klingeman

### **Abstract**

The relative abundance and availability of river gravel in lower reaches of coastal streams will be determined for Oregon's coastal streams. The determination will involve documentation of its presence in channels, verification of its availability for transport, identification of the source areas for gravel supply and recruitment, and location of the delivery and deposition zones in the tidal reaches. Available gravel quantities will be determined by basic sediment mass balances and the use of formulas to estimate transport capabilities and transport occurrences.