

Peer Review Plan

Date: 12/20/2010

Source Center: U.S Geological Survey (USGS)
Oregon Water Science Center
2130 SW 5th Ave
Portland, OR 97201

Title: Channel change and bed-material transport in the Umpqua River, Oregon.

Subject and Purpose: Motivated by ongoing permitting and aquatic habitat concerns related to instream gravel mining on the fluvial reaches, this study evaluates spatial and temporal trends in channel change and bed-material transport for 350 km of river channel along the Umpqua, North Umpqua, and South Umpqua Rivers. The assessment will produce (1) detailed mapping of the active channel, using aerial photographs and repeat surveys and (2) a quantitative estimation of bed-material flux that draws upon detailed measurements of particle size and lithology, equations of transport capacity, and a sediment yield analysis. The published product will be released as a USGS publication.

Impact of Dissemination: This information product is considered to be Influential Scientific Information.

Timing of Review (including Deferrals): 30 days. Deferrals are not anticipated.

Manner of Review, Selection of Reviewers, and Nomination Process:

This review will be conducted via individual letters. The USGS will select the peer reviewers pursuant to requirements in Survey Manual chapter 502.3 -Fundamental Science Practices: Peer Review (<http://www.usgs.gov/usgs-manual/500/502-3.html>).

Expected Number of Reviewers: Anticipates three or fewer reviewers.

Requisite Expertise: Fluvial Geomorphology, River Mechanics, Sediment Transport.

Opportunity for Public Review: No, the opportunity for public comment is not formally incorporated into the USGS peer review process.

Agency Contact: peer_review_agenda@usgs.gov.