STABILIZATION OF UNSTABLE ROADFILL USING EXPLOSIVES: A CASE STUDY FROM MCNAUGHTON CREEK, BRITISH COLUMBIA

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To appear in the proceedings of:

**IUFRO International Mountain Logging and 10th Pacific Skyline Symposium,
Corvallis, Oregon
March 1999**

ABSTRACT: The stabilization of roadfills on abandoned forest roads is a key component of forest road deactivation. Deactivation requires the use of tracked excavators to retrieve potentially unstable roadfills and restore hillslope hydrology. In cases where access for tracked excavators is not possible or too costly, explosives can be used to stabilize roadfills at isolated or intermittent locations. A methodology for using explosives to stabilize roadfills at McNaughton Creek, British Columbia is discussed.

KEYWORDS-- forest road stability, deactivation, stormproofing, explosives