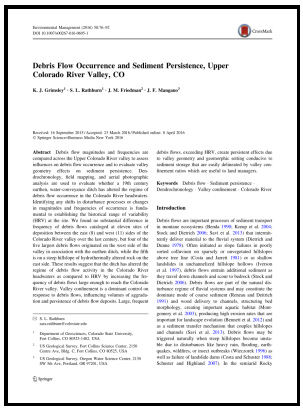
Dendrogeomorphic evidence and dating of recent debris flows on Mount Shasta, northern California

U.S. G.P.O. - Debris



Debris Flow Occurrence and Sediment Persistence, Upper Colorado River Valley, CO

Description: -
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Kelvin, William Thomson, -- Baron, -- 1824-1907
Dendrochronology -- California -- Shasta, Mount, Region.
Mass-wasting -- California -- Shasta, Mount,
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Dendrogeomorphic evidence and dating of Recent debris flows on Mount Shasta, Northern California

Many reactivations, which remained unnoticed, could be identified and mapped and thus help extend the history of landslides back to the late nineteenth century. However, difficulties are normally numerous in accessing, extracting, organizing, databasing, and analyzing such data because they have not usually been collated for scientific purposes. Geomorphology 15:241—258 Jakob M, Bovis MJ 1996 Morphometrical and geotechnical controls of debris flow activity, southern Coast Mountains, British Columbia, Canada.

Dendrogeomorphic evidence of debris flow frequency and magnitude at Mount Shasta, California

Dendrochronologia 20:269—284 Shroder JF Jr 1978 Dendrogeomorphological analysis of mass movement on Table Cliffs Plateau, Utah. Similarly, in the case of the Bois Noir event recorded in 1993, Flageollet et al.

California 1

Z Geomorphol Suppl 104:13—26 Jakob M 2005 Debris flow hazard analysis. The oldest tree-ring date for a mudflow was about 1670 Combined geomorphic and botanical evidence shows that debris flows are a common occurrence at Mount Shasta Debris flows traveling at least 2 km have occurred at the rate of about 8 3 per century Smaller debris flows occur substantially more frequently and usually do not proceed as far downslope as larger debris flows.

Dendrogeomorphic evidence of debris flow frequency and magnitude at Mount Shasta, California

Bedrock Geology of the Penn Yan and Keuka Park Quadrangles, New York; H.

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McGraw-Hill, New York Petitcolas V, Rolland C 1996 Dendroecological study of three subalpine conifers in the region of Briançon French Alps. In Europe, tree ring analyses have been used to reconstruct the frequency and extent of landslides events in the French Alps Braam et al. Larger

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Tree

An Introduction to Recursive Partitioning Using the rpart Routine. In: Debris-flow Hazards and Related Phenomena.

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