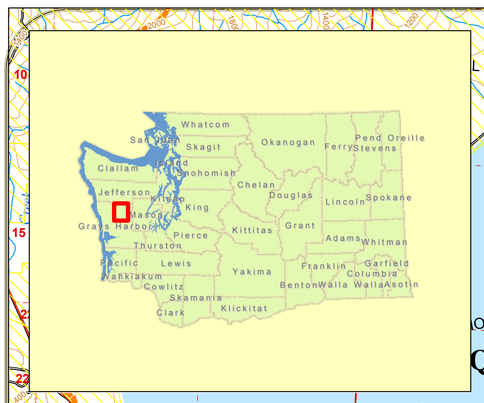

Dieu, Julie; Shelmerdine, Bill, 1999, Module A- Sedimentation Assessment. IN Olympic National Forest and Rayonier, Inc. East/West Humptulips watershed analysis; Draft: Olympic National Forest, 1 v.

Important Note:
This stamp certification applies only to modifications of the original study.

DISCLAIMER
Care was used during the compilation of this map to ensure accuracy. However, due to changes in ownership and the need to rely on outside information, the Department of Natural Resources cannot accept responsibility for errors or omissions on this map and therefore, there are no warranties which accompany this material. Neither the State of Washington, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise, does not constitute or imply its endorsement, recommendation, or favoring by the State of Washington or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the State of Washington or any agency thereof.

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LHZ -- Final A-2 Map --Landforms and Hazard Ratings -- East/West Humptulips Watersheds
From Dieu and Shelmerdine (1999) with modifications by W. S. Lingley, Jr. -- July 2, 2004

Miles
0 0.5 1 2 3 4
1 inch equals 2,500 feet

Mass Wasting polygons are labled with the TEMP_CODE code from the GMU coverage.
Only state and private lands are shown in entirety.
Tom Boyd, 12-21-2006, humptulips_a2_final.mxd & .pdf.

N W E S

Landforms and Hazard Ratings

- 1: Convergent Bedrock Basin; Moderate Hazard
- 22: Trough headwalls; Moderate Hazard
- 25: Cirques; Moderate Hazard
- 34: Glacial till covered low hills with slopes <40%; Low Hazard
- 35: Glacial till covered low hills with slopes >40%; Low Hazard
- 36: Complex glaciated slopes; Low Hazard
- 37: Outwash terraces and plains; Low Hazard
- 56: Moderately dissected volcanic bedrock – slopes >65%; Moderate to High Hazard
- 57: Volcanic, highly dissected, >65% slopes; Moderate Hazard
- 58: Weakly dissected, bedrock hills, slopes <65%; Low Hazard
- 59: Highly-dissected, bedrock hills – slopes <65%; Low Hazard
- 60: Post glacial valley bottoms; Low Hazard
- 71: Relict Earthflow/Slumps; Moderate Hazard
- 73: Debris flow/alluvial fan deposits; Low Hazard
- 77: Convergent headwalls; Very High Hazard
- 78: Debris flow/debris avalanche tracks; Very High Hazard
- 90: Inner Gorges; Moderate Hazard
- 91: Inner gorge/terrace edges landforms in glacial sediments; High Hazard

- Open Saltwater
- Open Freshwater
- Ponds, Impoundments, etc.
- Marsh / Bog / Wetland
- Flats, Shoals, etc.
- Glacier / Snowfield
- Unknown
- Streams

- Interstate
- U.S.
- State
- Local
- Roads
- Trail
- Railroad
- Railroad Grade
- Ferry Crossing

- Watershed Boundary
- Non LHZ Project Lands
- Public Land Survey Townships
- Public Land Survey Sections
- Registration Tics