DRAFT FOR
EXTERNAL REVIEW

Lower Chehalis - Elizabeth Creek Watershed
Landform Hazard Map A-2
Landslide Hazard Zonation Project

Carrie Welty and Leslie Lingley
April 2009

Lambert conformal conic projection
North American Datum of 1927;
to place on North American Datum of 1983,
move the projection lines 22 meters north
and 92 meters east.
Base map from U.S. Geological Survey 10-meter
Digital Elevation Model

WASHINGTON STATE DEPARTMENT OF
Natural Resources
Peter Goldmark - Commissioner of Public Lands
Forest Practices Division,
Adaptive Management Program

Landforms

These landforms were created from a comparison of landscape characteristics such as geology, hydrology, geomorphology, topography, and the propensity for landslides to occur. The potential for these landslides to deliver to public resources (streams, roads, etc.) was also taken into account.

Landform descriptions and specific hazards can be found within the Form A-2 in the report.

High Hazard Landforms

Landforms are designated as high hazard because of their high to very high sensitivity to timber harvest and poor road maintenance practices in conjunction with their high to very high potential to deliver to public resources.

- 1 Inner Gorge
- 2 Bedrock Hollow
- 4 River Terrace Margin
- 5 Convergent Headwall
- 7 Active Scarps of Deep-Seated Landslides
- 8 Non-rule id'd Deep-seated Landslide Toe
- 10 Non-rule id'd Inner Gorge Systems
- 11 Steep Gradient Hillslopes (Greater than 61%)
- 12 Moderate Gradient Hillslopes (41-60%)

Low Hazard Landforms

Landforms are designated as low hazard because of their low sensitivity to timber harvest and poor road maintenance practices in conjunction with their low potential to deliver to public resources.

- 14 Flats
- 15 Ridgetops & Noses
- 16 Low Gradient Hillslopes (11-40%)
- 9 Fluvial Erosion along Channels of the Chehalis River

Water Resources

Water resources are defined as a public resource under WAC 222-16 (definitions)

- MAIN NAMED STREAMS
- UNNAMED TRIBUTARIES
- NON-TYPED STREAM per WAC 222-16

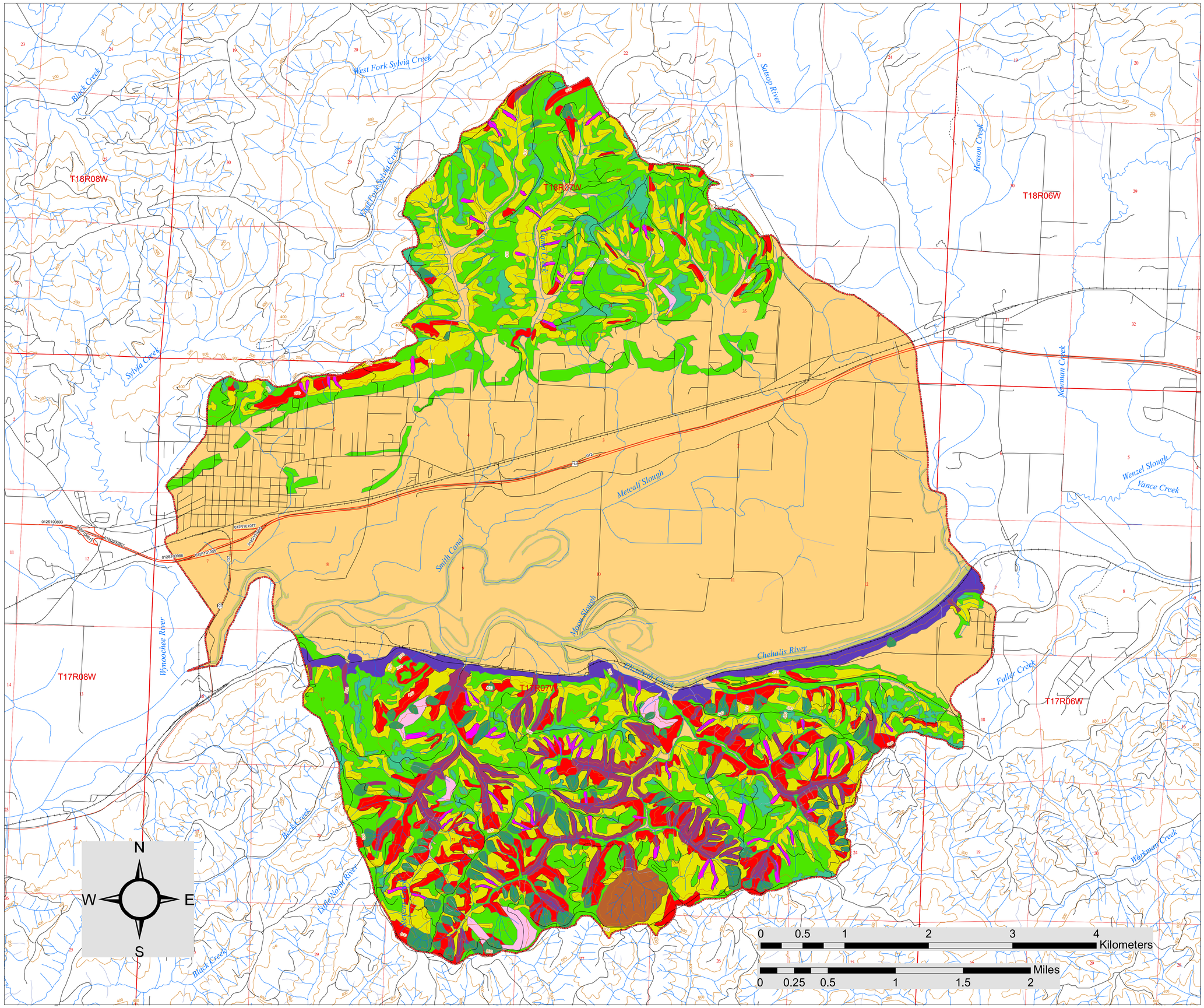
Administrative Data

- Lower Chehalis - Elizabeth Creek WAU Boundary
- Public Land Survey Townships
- Public Land Survey Sections

Roads

- Interstate
- U.S.
- State
- Local
- Roads
- Railroad
- Railroad Grade

- 200 foot Contours



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.