

Landform Maps

Using funding support from both the NPS geologic and soils inventories, staff from North Cascades National Park have produced watershed-based landform maps that are useful for park managers.

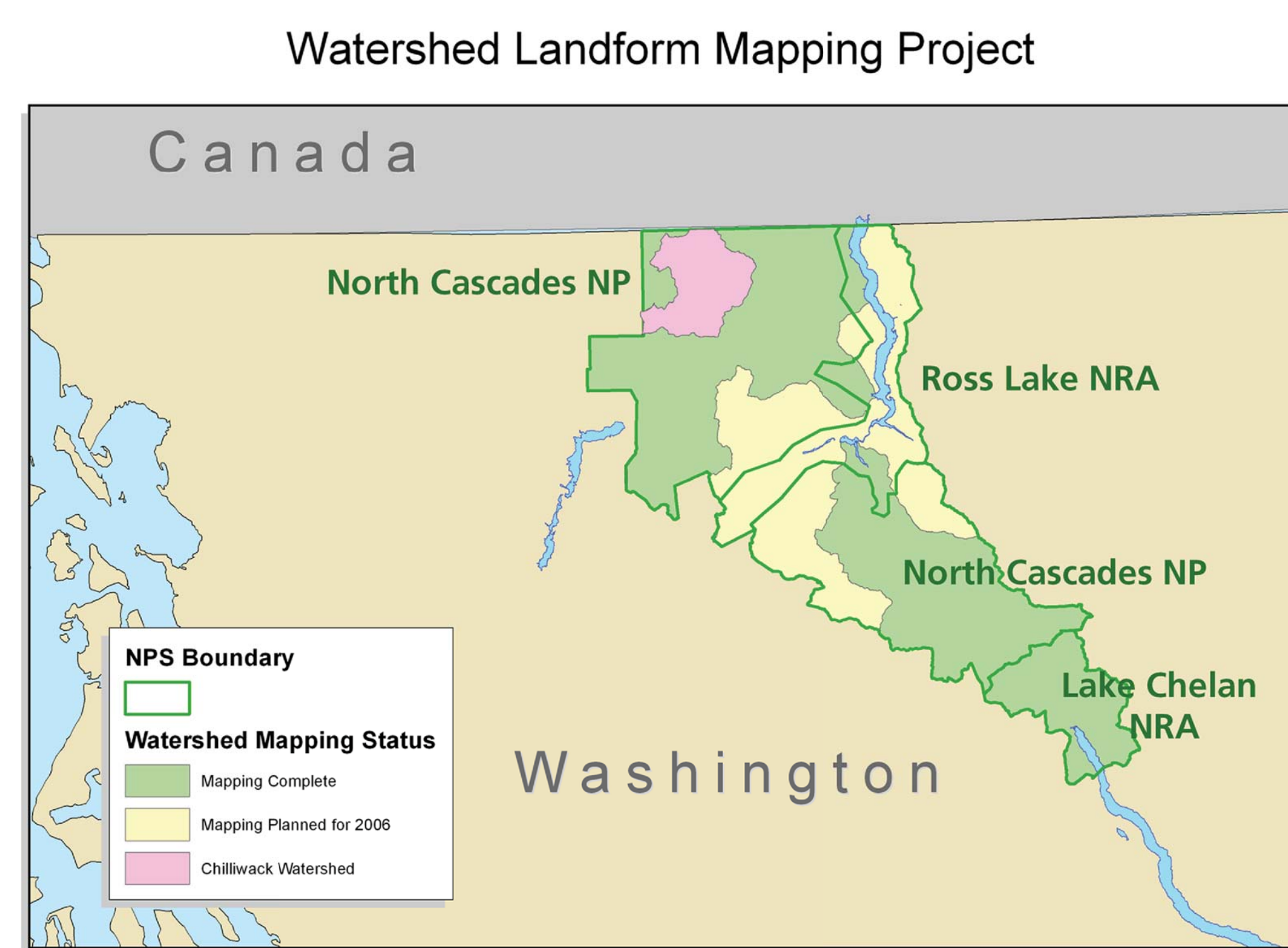
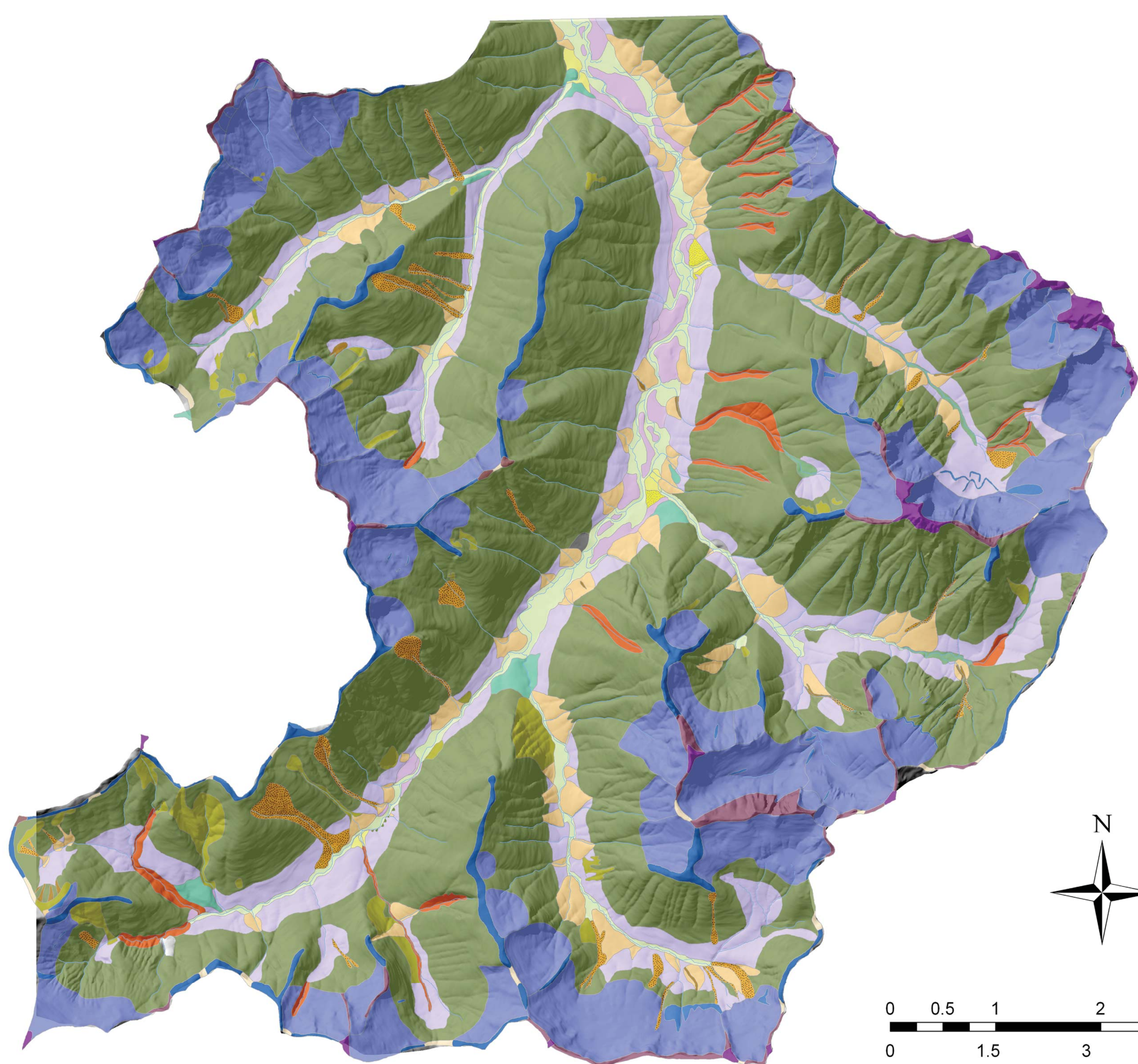


In 2005 park staff used digital landform maps to determine the optimal location and alignment for a major reroute of the Stehekin valley road. These maps aided in the evaluation of numerous potential routes out of the floodplain along terraces.

Lake Chelan National Recreation Area, North Cascades National Park, and Ross Lake National Recreation Area
Washington

National Park Service
U.S. Department of the Interior

Landforms of the Chilliwack Watershed



Landform Types	
ALLUVIAL FAN	LOWER MOUNTAIN
ARETE	MASS MOVEMENT-AVALANCHE
BEDROCK BENCH	MASS MOVEMENT-CREEP/SLOMP
CANYON	MASS MOVEMENT-DEBRIS TORRENT
CIRQUE	MASS MOVEMENT-FALL/TOPPLE
DEBRIS APRON	PASS
DEBRIS CONE	PLEISTOCENE MORANE
FAN TERRACE	RIDGE
FLOODPLAIN	TERRACE
HORN	UNDIFFERENTIATED
LITTLE ICE AGE MORANE	VALLEY BOTTOM
	VALLEY WALL
	STREAMS

Produced by: North Cascades National Park, Jon Riedel and Jeanna Prohala Wenger with assistance from the NPS Geologic Resources Division

January 2006

The landform mapping process begins with an interpretation of aerial photos and geologic maps. This information is integrated with topographic maps and reports and field checked for accuracy. Field-verified lines are then redrafted by a cartographer on stable mylar, scanned, and imported into a geographic information system for editing, labeling, and analysis.