

OLYMPIC national forest *Storm07*

Pacific Northwest Storm – December 2-4, 2007

Storm07

Damage Assessment & Recovery



Olympic NF Damage

The Olympic National Forest suffered damage to trees, roads, streams and rivers, wildlife habitat, facilities, and trails.



Debris slide, FR 24

Road Damage



*23 Road MP 9.7
Ditch Scour –new
ditch 14 feet
below road surface*

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Road/Bridge Damage



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24 Road
Lake Cushman
Causeway

Road/Bridge Damage



2918 Road
MP 4
Bridge Damage

Road Damage

- Creeks created new stream channels across many roads



*2340 Road MP 6.3
Washout*

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Road Damage



*24 Road
MP 0.2
Road Washout
Power and Phone
Cables Exposed*

Road Damage

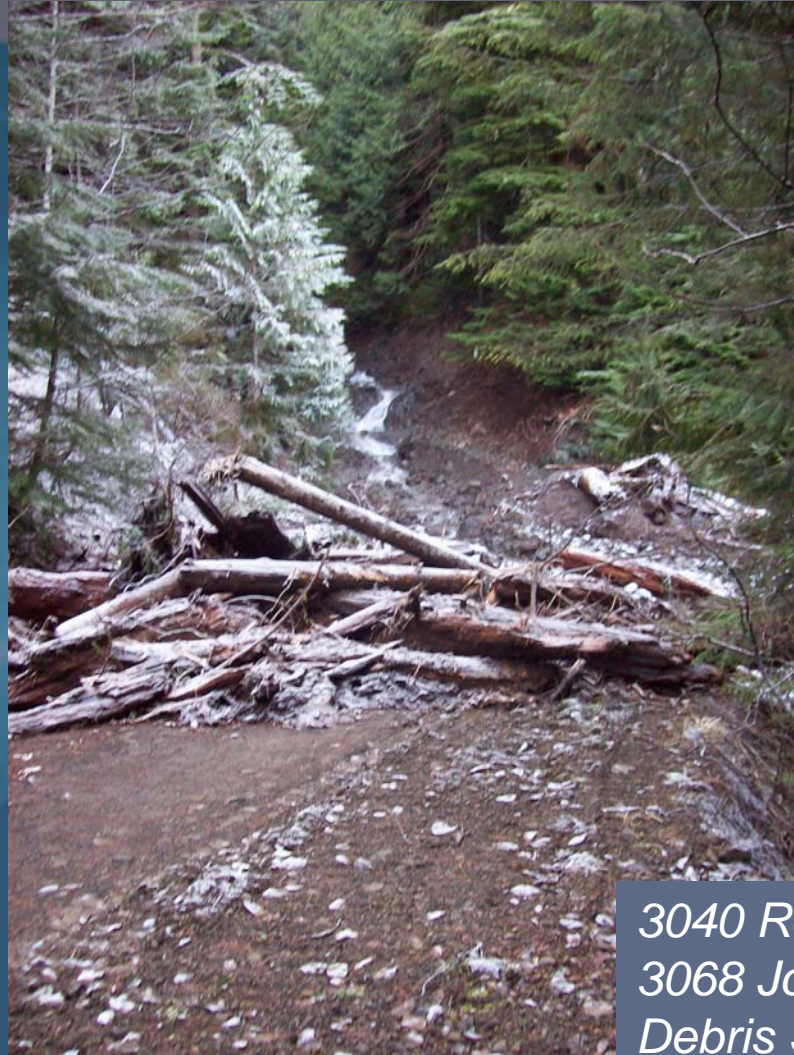
- Culvert failure and resulting road washout



2480
Road Washout

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Road Damage



3040 Road
3068 Jct
Debris Slide

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Road Damage



3040 Road
Fill Failure

Wind Damage



*2480 Timber
Blowdown*

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Timber Resource Damages

- 1,000 – 5,000 acres of moderate to high wind-throw.
- We plan to fly the Forest for a better damage assessment later this week.



1. Estimated \$3,000,000 in lost timber values
2. There will be timber sale contract revisions.

Timber Resource Damage



2480 Road
Clearing

Water Quality & Resource Damage

- Mass wasting of side slopes increases the risk of damage to streams and rivers during future storms.



3040 Road
MP 7

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Water Quality & Resource Damage



*3040 Road
Water Running
Down Roadbed*

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Recreation Resource Damage

- Estimated cost of recovery for damaged and lost recreation facilities to be determined
- Recovery time: 1-2 years
- **Miles of blocked trails**
- **Failed or damaged footbridges**
- **Destroyed picnic tables**
- **Hundreds of hazard trees at trailheads/campgrounds**

Special Use Facility Damage

The Quinault Mercantile, Museum Building, and Quinault Lodge were damaged by falling trees.



Quinault
Lodge

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Special Use Facility Damage



Quinault
Lodge

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Recreation Facility Damage

- Recreation facilities along South Shore Road were flooded by rising water from Quinault Lake.



*Flooded: Gatton
Creek
Campground*



Recreation Facility Damage



*Big Creek
Footbridge
100-2618*

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Recreation Facility Damage

- Bear Gulch Picnic Area restrooms covered in 10 feet of debris.



Administrative Facility Damage

Quinault Ranger District compound flooding and house damage.

The Quinault Ranger Station and compound were flooded by water from Lake Quinault.



Tree on Forest Service House, Quinault Compound

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Preventative Measures Enacted

- The Olympic National Forest enacted prevention measures to protect public safety PRIOR to Storm 07.
 1. Decommissioned or storm proofed several roads prone to flood/fill failure.
 2. Seasonal closures enacted for campgrounds and recreation areas before Storm 07.
 3. Forest is a full partner with area law enforcement and rescue agencies for effective emergency response.

National Forest Priorities

- As we work through recovery, we will strive to keep employees, public and partners informed about the status of activities.
 1. Provide for public and employee **SAFETY**
 2. Re-establish main road access where safe to do so
 3. Protect and secure resources at risk of subsequent damage
 4. Assist Forest Partners in high priority recovery efforts
 5. Assess damage and continue cleaning up and clearing away storm debris