



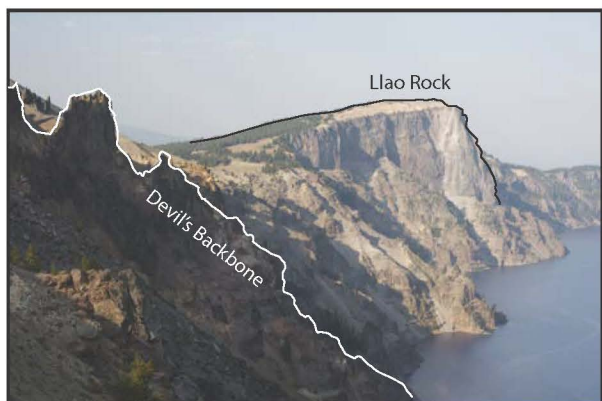
CRATER LAKE NATIONAL PARK



Crater Lake National Park, encompassing 286 square miles in the High Cascades of southern Oregon, contains one of North America's geologic wonders. The seemingly placid central icon of the park, Crater Lake, formed following a catastrophic eruption of Mount Mazama approximately 7,700 years ago. Crater Lake, which occupies a large caldera, has a surface area of 20.6 square miles and attains a maximum depth of 1,943 feet, making it the deepest lake in the United States.

In 1902 Crater Lake was designated the United States' sixth national park. The park features a 33-mile road around the rim of the crater that has several spectacular views of the lake. This road is popular with cyclists in the summer and snowshoers and cross-country skiers in the winter. There are over 85 miles of trails within the park that offer both short day hikes and longer backcountry routes. The Pacific Crest National Scenic Trail traverses the park for about 32 miles. Scheduled boat tours of the lake depart from Cleetwood Cove in the summer.

Prominent geologic features in the park include Wizard Island (E4, F4), Phantom Ship (F6), Pumice Castle (F6), Llao Rock (E4-5), Devils Backbone (E4), The Pinnacles (H7-H8), and Mount Scott (F7). These well-known rock exposures reveal important clues about the volcanic past of Mount Mazama and future eruptive activity at Crater Lake (caldera).

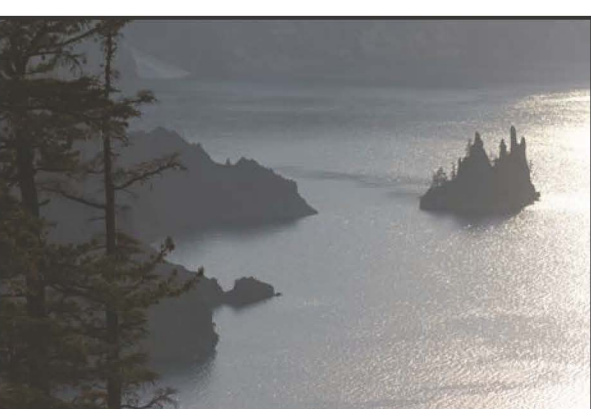


Devils Backbone and Llao Rock — Devils Backbone (E4) is a 1,000-foot long andesite dike that stretches from the crater rim to the lake. The dike was a feeder conduit for a pre-caldera vent and lava flow that erupted 60,000 to 50,000 years ago. Llao Rock (E4-5) is a large mass of rhyolite that towers almost 2,000 feet above the northwest corner of the lake. The flows and related pyroclastic deposits at Llao Rock are part of a volcanic episode that preceded the caldera-forming eruption of Mount Mazama by just 200 to 100 years.

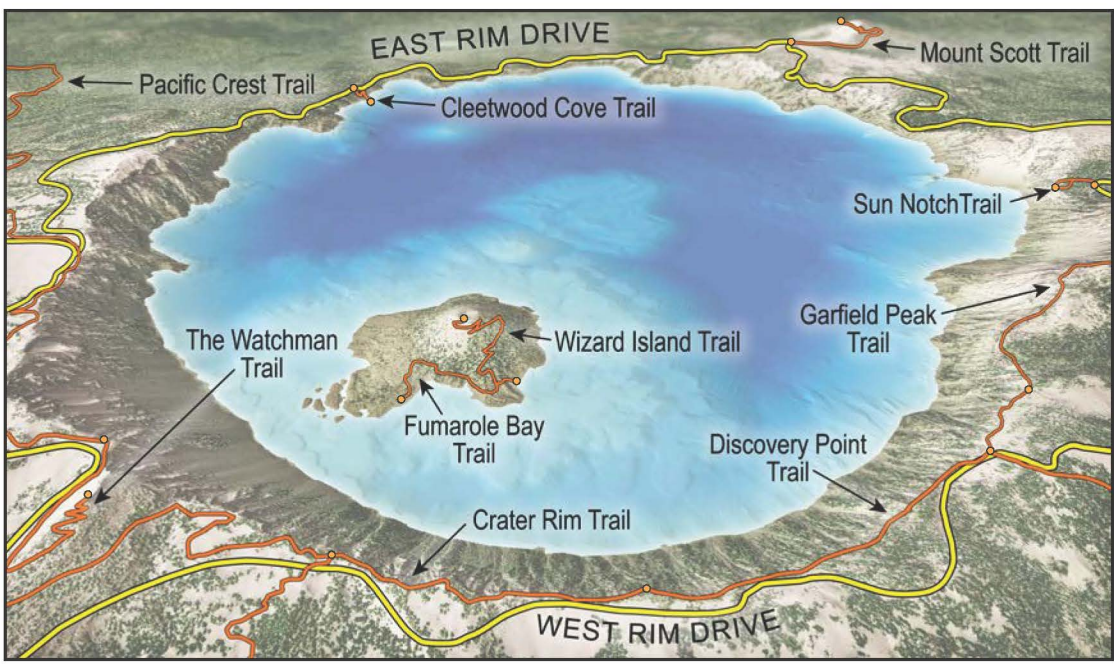
CLIMATE

The climate of Crater Lake National Park is exemplified by cool summers and moist winters with heavy snowfall. The High Cascades receive a large amount of precipitation, mainly in the form of snow in the winter months, when weather fronts move eastward from the Pacific Ocean and run up against this imposing mountain range. Crater Lake National Park headquarters receives on average 67 inches of annual precipitation including over 500 inches of annual snowfall. The majority of snowfall occurs from November through March and the park averages a spring snowpack over 120 inches deep. Temperatures (Fahrenheit) measured at the park headquarters peak in July and August, with average highs in the 60s and 70s and lows in the 40s. The coldest temperatures occur in December and January, with average highs in the 30s and lows in the teens. Weather in the Cascade Range can change quickly; it is strongly advised to be prepared for these changes and to check current conditions before traveling.

Please contact the National Park Service (<http://www.nps.gov/crla/>) for current information regarding National Park Service rules, regulations, and trail conditions.



Phantom Ship — Phantom Ship (F6) is a 500-foot-long island in the lake that can take on a ghostly character depending on the time of day and the viewing angle. Phantom Ship is an erosion-resistant remnant of andesite and dacite lava flows that erupted from the vicinity of Phantom Ship (F6) in the southeast part of the caldera around 400,000 years ago.



Lidar-derived perspective view looking toward the northeast over Crater Lake. See main map for trail segment mileage.

LIDAR

The maps contained in this guide include terrain imagery created using lidar data. The lidar data were collected from a light aircraft carrying a highly accurate laser scanner. The scanner makes over 100,000 measurements each second to build up a three-dimensional "point cloud" model of vegetation, structures and the surface of the Earth. A computer sorts the points, separating those that measure the ground from those that measure trees and buildings. Images derived from these sets of points can then be merged with aerial photography and other forms of digital map data to create imagery.

These lidar data have a vertical absolute accuracy of ±2 inches for flat and horizontal surfaces. Slopes have greater vertical inaccuracies. Map elevations within Crater Lake National Park are lidar-derived and may differ from previously published elevations. The remaining elevations are from the USGS. See the legend for relevant elevation symbols.

The Oregon Department of Geology and Mineral Industries (DOGAMI) has been collecting lidar data in Oregon since 2004. The goal is to cover the entire state as funding for data collection becomes available. Funding comes through the Oregon Lidar Consortium, which is a wide-ranging partnership of government agencies that pool funds through DOGAMI.

You can learn more about lidar and view lidar images of other parts of Oregon at www.OregonGeology.org and www.OregonGeology.org/dogamilidarviewer/.

NATIONAL PARK TRAILS

Trail Name	Round Trip Mileage	Map Location
Annie Creek Canyon	2.1	G4, H4
Bent Creek	3.1	C1-2, D1-2
Castle Crest Wildflower	0.4	G5
Cleetwood Cove	2.1	C6
Crater Peak	6.3	G5, H5
Crater Rim (One-Way, Rim Village to Meriam Point)	6.7	E4, F4
Discovery Point (From Rim Village)	3.4	F4
Fumarole Bay	1.6	E4, F4
Garfield Peak (From Rim Village)	2.8	F4-5
Godfrey Glen	1.2	G4, H4
Lady of the Woods	0.4	G4
Mount Scott	4.5	F7
Pacific Crest (One-Way, Within Crater Lake N.P.)	32.3	A6 at top to I3 at bottom
Pinnacles	1.3	H8
Plaikni Falls	1.9	F6-7
Stuart Falls	11.0	H4, I3-4
Sun Notch	0.5	F5, G5
Union Peak	10.7	G3, H2-3
The Watchman (From Watchman Overlook)	1.9	E4
Wizard Island	2.4	E4, F4

LEGEND

- Highway
- National Park Primary Route
- Improved Road
- Unimproved Road
- Trail
- Pacific Crest National Scenic Trail
- Lidar-Derived Trail Segment Mileage
- National Park
- National Forest
- Wilderness Area
- State Forest
- Oregon State Highway
- Forest Service Road
- Lidar-Derived Elevation (feet)
- U.S. Geological Survey Elevation (feet)
- Trail Elevation (feet)
- Information
- Entrance Station / Park Headquarters
- Restrooms
- Trailhead
- Campground
- Backcountry Camp Site
- Picnic Area
- Lodging
- Showers
- Gas Station
- Dining
- Food
- Viewpoint
- Tour Boat Landing
- Sno-Park

