

# Crater Lake

NATIONAL PARK • OREGON

Ages ago, Mount Mazama was probably a 12,000-foot volcano in the Cascade Range. Successive flows of molten rock, eruptions of ash, cinder, and pumice gave the mountain its present form.

Howel Williams, in *Crater Lake, The Story of Its Origin*, described the tremendous explosion that created the crater. Lava in the form of a frothy super-heated pumice was blown out in great quantities, and fine dust was carried hundreds of miles to the north and east by the prevailing winds. Other, but smaller, eruptions spewed out lava in a series of glowing avalanches, cracks opened beneath the volcano, and several cubic miles of molten rock drained away. These ejections and drainings left a vast cavity beneath the cone which now could not support its own weight and collapsed into the void. Thus was Mount Mazama destroyed 6,600 years ago.

After destruction, additional volcanic activity within the caldera produced the cinder cone known as Wizard Island.

Over the centuries the great caldera has accumulated water from rain and snow; today evaporation and seepage are balanced with precipitation, and the water level remains fairly constant.

The lake was discovered on June 12, 1853, by John Wesley Hillman, a young prospector and member of a party in search of a rumored "Lost Cabin Mine." He named it Deep Blue Lake. Sixteen years later, visitors from Jacksonville gave the lake its present name.

Only six lakes in the world are deeper than Crater Lake. In the Western Hemisphere, only Great Slave Lake in Canada is deeper—by 83 feet. A sonic depth finder has measured the greatest depth of Crater Lake at 1,932 feet.



## FOR YOUR SAFETY

*Stay on the trails—especially along the caldera rim. Footing can be treacherous on this volcanic rock and soil. Descent to the lake is permitted only on the Cleetwood Trail. In winter, stay off snow cornices on the caldera rim!*

*Please drive slowly—you will see more and have a more enjoyable visit.*

*Wildlife. Do not get near wild animals even though they may appear tame. Some have become accustomed to humans, but they are still wild and may seriously injure you if you approach them. In camp, keep food sealed in containers to reduce odors so as not to attract animals.*



## PLANTS AND ANIMALS

Many animals can be seen in the park. Birds along the rim include Clark's nutcrackers, gray jays, and the blue Steller's jay. Eagles and hawks are often seen. Chipmunks and golden-mantled ground squirrels are common.

Remember, these animals are wild; wild animals are dangerous. They may bite—and a small nip can be serious. Park regulations emphatically forbid feeding and molesting wildlife.

At a distance or from the safety of your car, be on the lookout for deer and bears. Seldom seen are the Cascade red fox, coyote, pine marten, porcupine, bobcat, elk, and very rarely, the cougar.

Early visitors reported that Crater Lake originally contained no fish; but several species have been introduced. Recently the practice of stocking has been discontinued, but rainbow trout, brown trout in small numbers, and kokanee salmon are known to be reproducing. The limited fish population is due to lack of adequate food and suitable spawning grounds. The amazingly pure lake water supports comparatively little life, but an aquatic moss has been found at a record depth of 425 feet.

Wildflowers and evergreen forests of the park are typical of the Cascades. Principal trees surrounding the lake include mountain hemlock, Shasta and subalpine fir, lodgepole and whitebark pine, and in lower elevations beautiful stands of Douglas-fir and ponderosa pine. Wildflowers of the high mountains appear late and disappear early, but displays of phlox, knotweed, and monkeyflowers are brilliant.

## HOW TO REACH THE PARK

The south and west entrance roads are open all year. The north entrance road and Rim Drive are closed from approximately mid-October to early July, depending on snow conditions.

From mid-June to mid-September, buses of Crater Lake Lodge are operated daily from Klamath Falls to Crater Lake. Klamath Falls and Medford have airline and transcontinental bus service, and Klamath Falls is served by railroad.

## CAMPING AND LODGING

*Mazama Campground*, near the Annie Spring entrance, is open from about mid-June to the end of September, also depending on snow conditions. Trailers and motor homes can be accommodated, but there are no utility connections. A sanitary dumping station is available.

*Lodge and cabins* at Rim Village are open from mid-June to mid-September. For information and reservations, write to Crater Lake Lodge, Inc. Crater Lake, OR 97604. Other accommodations are available near the park.

## NATURALIST PROGRAMS

The National Park Service offers naturalist services in summer to help visitors gain a greater appreciation of the park. Programs of current interpretive activities are posted. You are invited to attend the campfire programs held each evening. On winter weekends, guided snowshoe walks are offered, depending on snow conditions.

## WINTER VISITS

Crater Lake National Park averages 50 feet of snowfall annually. Only the south entrance road to Rim Village is open all year. On weekends and holidays, from mid-September to mid-June, light refreshments and souvenirs are available at the coffee shop in Rim Village. There are overnight accommodations near the park. Carry towrope, shovel, and tire chains, which may be necessary at any time.

## PROTECT YOUR PARK

Uniformed *park rangers* are responsible for the management of park resources and for enforcing park regulations for your safety. Ask them for information, direction, or assistance. Help preserve and protect the park by observing the regulations and by keeping the park free of litter. A permit is necessary if you plan an extended back-country trail trip.

*Camp* only in designated areas. Use only dead and down material for your campfire.

Build *fires* in campground fireplaces only, and never leave them unattended. Douse them with water before you leave. Be careful while smoking on trails; and when you drive, use your ash tray. Please report any uncontrolled fire immediately to the nearest park ranger.

Keep *pets* on a leash or in your car, to protect wildlife and in consideration for others. Pets are not permitted in public buildings, on trails, or beyond plowed roads in winter. Be sure they do not venture over the rim wall, where there is loose pumice soil and a 1,000-foot drop.

*Fishing* is permitted in park streams and in Crater Lake, and no fishing license is required. Regulations are available at park headquarters or from park rangers.

It is unlawful to hunt, trap, or have loaded firearms in your possession on park lands. The use of a camp in the park as a base for hunting outside the park is prohibited.

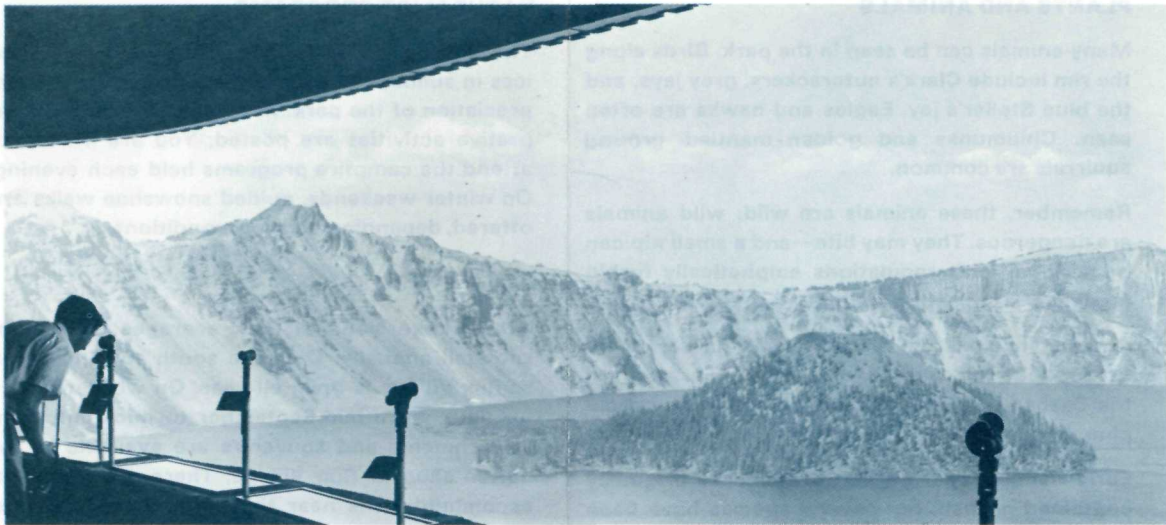
Park regulations, as well as good outdoor manners, call for leaving rocks, flowers, and wildlife undisturbed for others to enjoy.

## ADMINISTRATION

Crater Lake National Park, established on May 22, 1902, has an area of 250 square miles. It is administered by the National Park Service, U.S. Department of the Interior.

A superintendent is in charge of the park, with offices in the administration building, 3 miles south of Rim Village. His address is Crater Lake, OR 97604.

As the Nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally owned public lands and natural resources. This includes fostering the wisest use of our land and water resources, protecting our fish and wildlife, preserving the environmental and cultural values of our national parks and historical places, and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to assure that their development is in the best interests of all our people. The Department also has a major responsibility for American Indian reservation communities and for people who live in Island Territories under U.S. administration.



### HOW TO SEE THE PARK

The most popular lake overlook is the *Rim Village* area. A park naturalist is on duty in the *Exhibit Building* along the rim wall; here you can buy literature concerning the park.

In front of and below the Exhibit Building, on the caldera wall, is the *Sinnot Memorial Overlook Building*, with a broad terrace presenting a magnificent panorama. Here, talks explaining the origin of Crater Lake are presented throughout the day in summer.

Two nearby trails afford breathtaking vistas from precipitous vantage points: 1.7-mile *Garfield Peak Trail* runs east along the rim wall beginning behind the lodge and ending at the peak 1,900 feet above the lake; 1.5-mile *Discovery Point Trail* begins at the opposite end of Rim Village and leads to the point where prospector John Wesley Hillman discovered the lake in 1853. This is an easy walk to the Discovery Point Rim Drive turnout.

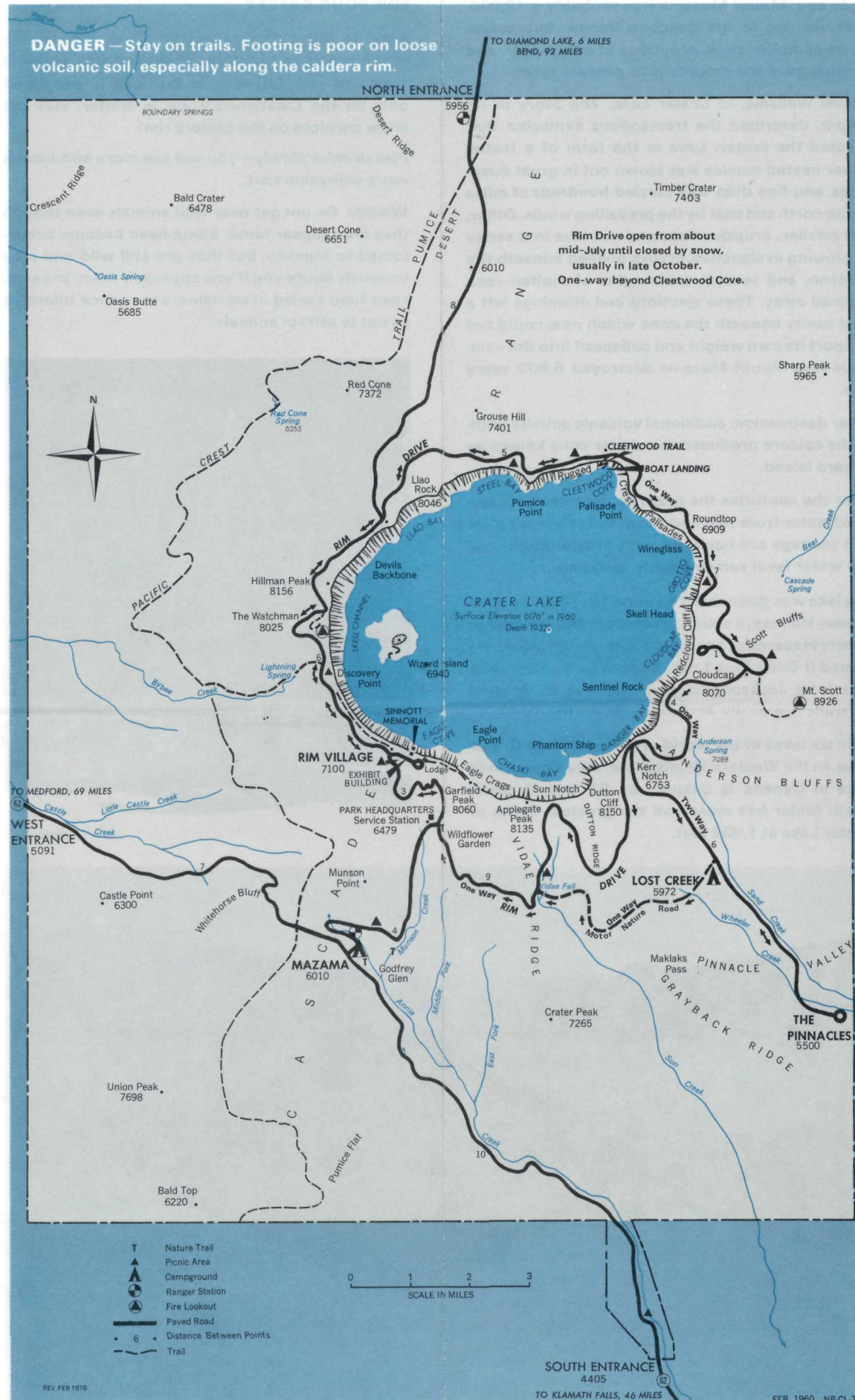
*Rim Drive*, a 33-mile route circling the caldera's edge, offers unexcelled observation points. Picnic areas along the way are available for short stops. Fires are prohibited. This drive is one-way clockwise beyond Cleetwood Cove parking area.

*The Watchman*, the first prominent peak along the Rim Drive beyond Discovery Point, looms 1,800 feet above the lake. An 0.8-mile trail from the parking area leads to the summit and a fire lookout station. Exhibit signs at the lookout base locate notable park features. There are exceptional views in all directions, including 14,000-foot Mount Shasta, about 100 miles away.

Neighboring *Hillman Peak*, named for the discoverer of the lake, at 8,156 feet is the highest point along the rim.

At *North Junction* the north entrance road joins Rim Drive. The area was devastated by glowing avalanches of frothy pumice that spewed from the volcano and only now is gradually being reclaimed by lodgepole pines.

**DANGER** — Stay on trails. Footing is poor on loose volcanic soil, especially along the caldera rim.



Prominent along the rim at this point is *Llao Rock*, a massive flow of obsidian-like dacite that fills an earlier glacial valley.

*Cleetwood Trail* descends the northern rim wall to *Cleetwood Cove*, the only access to the water. The 1.1-mile trail usually requires one-half hour to go down and three-quarters of an hour to return. Launch trips around the lake and to *Wizard Island*, which rises to 760 feet above the water, begin here. A trail to the top enables you to see the island's crater. The Rim Drive is one way beyond this point.

*Cloudcap*, reached by a short spur road from Rim Drive, offers an exhilarating panorama of the Crater Lake scene. To the east is two-peaked *Mount Scott*, at 8,926 feet above sea level the highest point in the park.

The famous *Pinnacles* are easily accessible at the end of a 6-mile branch road. They are striking spires of pumice and welded tuff rising 200 feet out of the *Wheeler Creek* canyon. Halfway to the Pinnacles is *Lost Creek Campground*. The *Grayback Motor Nature Road* begins in *Lost Creek Campground*.

A short trail at *Sun Notch* provides the best view of the unique dike remnant called *Phantom Ship*, which seemingly sails Crater Lake's blue waters.

At the Rim Drive and south entrance road junction near park headquarters is *Castle Crest Wildflower Garden* and nature trail.

Three trails are easily accessible along the south entrance road: *Godfrey Glen Trail*, midway between *Mazama Campground* and park headquarters; *Annie Creek Canyon Trail* loops 0.7 mile into *Annie Creek Canyon* near *Mazama Campground*; and *The Pacific Crest Trail* runs the entire north-south length of the park.

### SERVICES

**Food and supplies.** The dining room at *Crater Lake Lodge* is open from mid-June to mid-September. In summer the cafeteria serves meals daily. On weekends and holidays in winter, it is operated as a coffee shop, serving light refreshments. Some groceries can be purchased at *Rim Village*.

**Mail.** In summer, there is a branch post office in the administration building at park headquarters. Visitors not staying at the lodge or in cabins in *Rim Village* should have their mail addressed to *General Delivery, Crater Lake, OR 97604*.

**Tours.** Several times each day, launches at *Cleetwood Cove* make trips to *Wizard Island* and around the lake. Bus trips around *Rim Drive* begin at the lodge. There are no winter tours.

**Gasoline.** A gasoline station is open in summer near park headquarters. No storage, towing, or repair facilities are available within the park. Gasoline is not sold in the park during the winter.