



Lassen Peak at sunset  
© MIKE DRESEN



Eruption of Lassen Peak, June 14, 1914.

At Lassen snow arrives early and stays late. Jagged features are made smooth by deep blankets of snow, yet far below the surface, a fire still burns. Eroded volcanic remnants, U-shaped valleys, and roaring steam vents illustrate Earth's endless cycle of creation and destruction. Woven into this dramatic landscape are timeless stories of survival, renewal, and discovery.

Here, summer is a time of awakening—lakes thaw, wildflowers bloom in emerald meadows, and the bustle of life

returns as forests shed their winter mantle. Once a summer home and hunting ground for the Atsugwei, Yana, Yahi, and Maidu, *Kohm Yah-mah-nee* or snow mountain (Lassen Peak) is still sacred land.

Explore this volcanic landscape—take a hike; listen to gurgling mudpots and hissing steam vents; smell the sulfur springs; watch the Milky Way shimmer across the night sky; or perhaps throw a snowball in summer. Create your own story in this rugged wilderness.

*Nature is ever at work building and pulling down, creating and destroying, keeping everything whirling and flowing... out of one beautiful form into another.*

John Muir, 1899

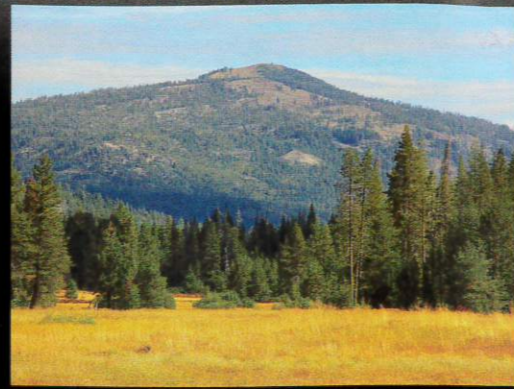
# Powerful Forces

Lassen Volcanic National Park illustrates Earth's powerful forces. Every rock originated from volcanoes, and all four types—shield, composite, cinder cone, and plug dome—can be found here.

Lassen Peak is one of the largest plug dome volcanoes in the world. Its last eruptions were between 1914 and 1921, with the largest explosion on May 22, 1915. The eruptions, photographed by local businessman Benjamin F. Loomis, paved the way for the creation of Lassen Volcanic National Park on August 9, 1916.

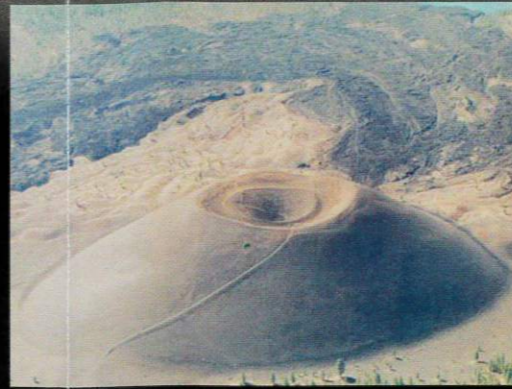
Scientists continue to monitor the landscape. No one can say when or where the next eruption will occur, only that it will.

MOUNT HARKNESS / SHIELD



A shield volcano is a broad, rounded volcano built up by successive outpourings of very fluid lava that can spread over great distances. Mount Harkness began forming approximately 600,000 years ago.

CINDER CONE / CINDER CONE



A cinder cone volcano is made up of loose volcanic rock, cinders, and ash that accumulate around a single vent. Cinder Cone volcano in the park formed during eruptions around 1650.

LASSEN PEAK / PLUG DOME



A plug dome volcano forms when lava is too thick to flow great distances. A steam blast shattered Lassen's plug, creating an avalanche of melted snow and rock down the east side.

BROKEOFF MOUNTAIN / COMPOSITE



A composite volcano has layers of volcanic rock, lava, cinders, and ash that erupted from a central vent or group of vents. Brokeoff Mountain is a remnant of the park's only composite volcano, the much larger Brokeoff Volcano.

# A Living Landscape

*Boiling mudpots, steaming ground, roaring fumaroles, sulfurous gases...*



Steaming fumarole at Sulphur Works.

Rain and snow feed the hydrothermal (hot water) system that lies deep underground. Heated by molten rock, this water rises to the surface creating the remarkable features found in the park. These features are evidence of active volcanism and indicate the potential for future eruptions.



Bumpass Hell boardwalk and basin.



Boiling cauldron at Devils Kitchen in Warner Valley.

# Changing Ecosystems

Lassen lies at the crossroads of three biological provinces: the Cascade Range to the north, the Sierra Nevada mountains to the south, and the Great Basin desert to the east. This convergence contributes to the diversity of ecosystems and the abundance of flora and fauna found in the park. Over 745 distinct species have been identified.

One particular species, the American pika, is heat intolerant. Studies show there may be a loss of pika habitat at lower elevations due to increased warming.

Scientists are studying ecosystem shifts influenced by climate change. Concerns include species and habitat management, changes in precipitation, snow pack, and wildfires.



American pika  
© RUDOLF FRIEDERICH

# Wilderness . . . is a necessity of the human spirit.

Edward Abbey

Wilderness is the heartbeat of Lassen. It can be heard in the rush of spring-fed streams, the hoot of a great horned owl, the gurgling of mudpots, and in the silence of winter snow.

Life in this rugged landscape is intrinsically untamable and dependent on the balance of natural systems, which, in turn, affect those living beyond the wilderness. Melting snow replenishes four watersheds, providing clean water downstream, while forested mountain slopes help clean the air. Lassen's fragile ecosystems and their diversity of life provide opportunities for education and scientific research, while the night sky, nearly unaffected by light pollution, glows with constellations, meteor showers, and the Milky Way.

The majority of Lassen is managed as designated wilderness, a retreat from civilization. It is a place to embrace solitude, reconnect with nature, and find healing, significance, and meaning.



Hikers hit the trail.



The Milky Way lights up the night sky over Chaos Crags.  
ALISON YACOBART-BARNUM



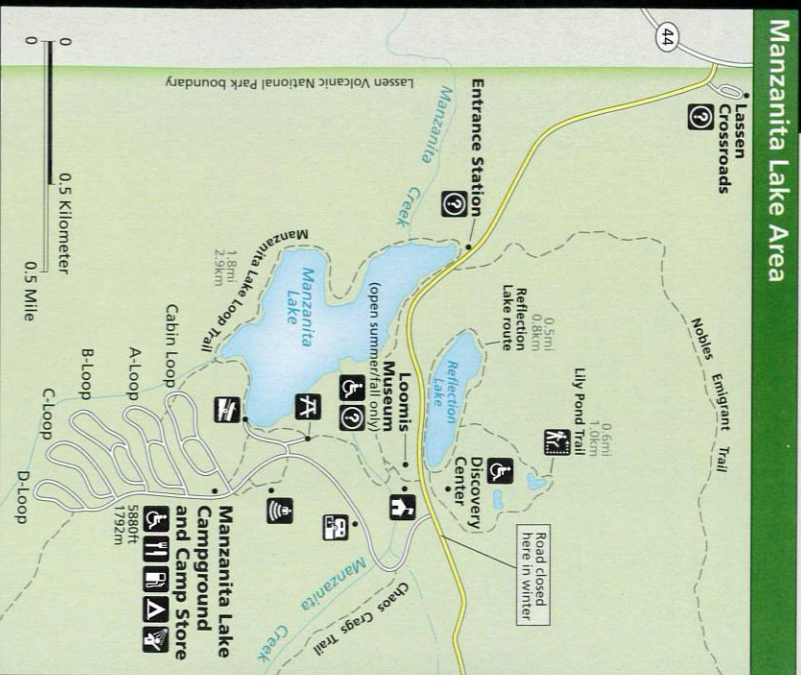
Ranger-led snowshoe programs are offered in the winter season.

ALL PHOTOS NPS UNLESS OTHERWISE CREDITED

# Exploring Lassen Volcanic

## Planning Your Visit

**Information** The park newspaper and website list area accommodations, services, seasonal activities, and wheelchair-accessible facilities. Get your free newspaper at park entrance stations or on the park website. Maps and publi-



cations can be purchased at Loomis Museum (summer only) and Kohm Yah-mah-nee Visitor Center. An entrance fee is charged at park entrances.

**Accessibility** We strive to make our facilities, services, and programs accessible to all. For details go to an information site, ask a ranger, call, or check our website.

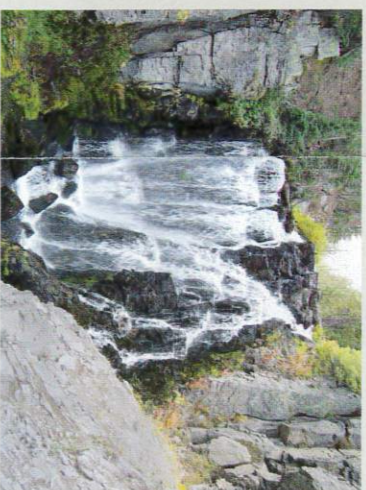
**Emergencies call 911**



Manzanita Lake

**Thermal Warnings:** Stay on established trails and boardwalks. In hydrothermal areas ground can look solid but it may actually be a thin crust hiding pools of acidic boiling water. Traveling off-trail in these areas is illegal and may result in severe injury. Watch children closely.

For firearms regulations check the park website.



Kings Creek Falls

**Pets** Leashed pets are welcome on paved surfaces in parking areas and campgrounds only. They are not permitted in buildings or on trails.

**Phones** Cell phone coverage here is limited. Pay phones are located at the Manzanita Lake Camper Store and Loomis Museum. An emergency phone is in the Kohm Yah-mah-nee Visitor Center.

## Things to Do

**Auto Tour** The highway through the park offers access to trails, lakes, and volcanic and hydrothermal features. The road guide is sold at the Loomis Museum and Kohm Yah-mah-nee Visitor Center. Speed limit is 35 mph or as posted. Do not stop on roadways; use the overlooks to view wildlife and scenery.

**Campgrounds** Campsites are available as both first-come, first-served or by reservation; reservations are required for group sites. See the park newspaper for more information. Protect natural resources; camp in designated campgrounds only • Park in designated areas only • Bears are present; store food properly • Do not feed wild animals • Build fires only in campground fire grates; do not leave any fire unattended.

**Hiking** The 150 miles of park trails include 17 miles of Pacific Crest National Scenic Trail. • Acclimate to high elevations gradually. Wear sturdy footwear. • Avoid exposed



## Manzanita Lake Area

See enlarged area above

**Manzanita Lake Area**  
Lassen Crossroads  
Entrance Station  
Loomis Museum  
Discovery Center  
Manzanita Lake Campground and Camp Store  
Cabin Loop  
A-Loop  
B-Loop  
C-Loop  
D-Loop  
Chaos Crags Trail  
Manzanita Lake Loop Trail  
Manzanita Lake  
Reflection Lake  
Lily Pond Trail  
Nobles Enigrant Trail  
Road closed here in winter

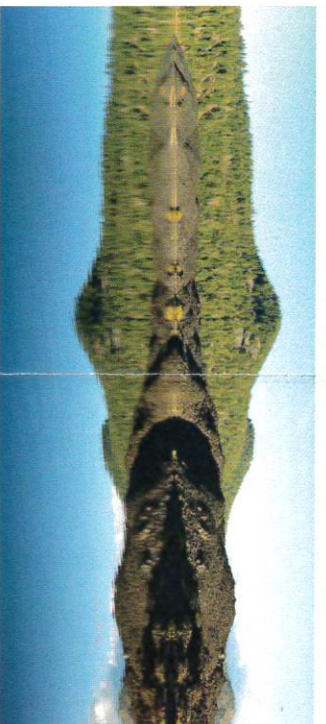
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areas in lightning storms. • Never hike alone. • **Pets are not allowed on trails or boardwalks.** • Stay on trails; take no shortcuts. • Bicycles, motor vehicles, and all wheeled conveyances are prohibited on trails. Ask a ranger about wheelchair use on trails. • Rock climbing is discouraged as volcanic rock is unstable. Consult a ranger before climbing.

**Backpacking** A backcountry permit is required for any overnight backcountry stay. Permits are available at visitor and ranger stations. Contact a park about closed areas. • Wood fires and stoves are prohibited. • Pack out all trash. • Treat all backcountry water before drinking.



Butte Lake

**Be avalanche aware:** always get weather and avalanche information before you enter the backcountry.

**Stock Use** Pack and saddle stock may stay overnight only in the designated horse camps at Summit, Juniper, and Butte lakes—reservations required. Permits required for day use of stock.

**Fishing and Boating** Anglers need a California fishing license and must know park regulations and limits. Only non-power watercraft may be used on park lakes; engines of any type are not permitted. Boating is prohibited on Reflection, Emerald, Helen, and Boiling Springs lakes. Kayak rentals are offered at Manzanita Lake Camper Store in summer.

**More Information**

Lassen Volcanic National Park  
PO Box 100  
Mineral, CA 96063-0100  
530-595-6100  
www.nps.gov/lavo

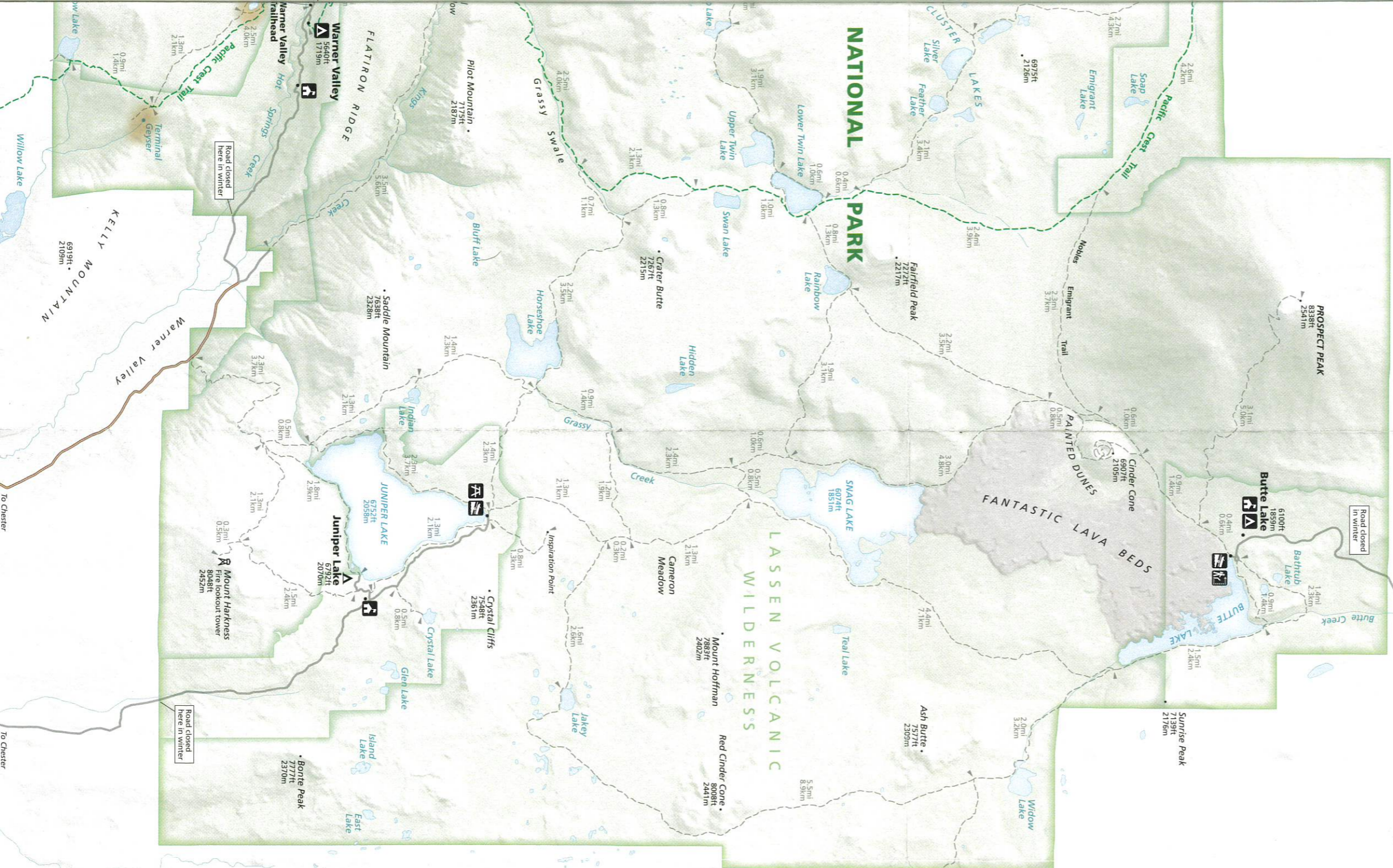
Lassen Volcanic is one of over 400 parks in the National Park System. Visit [www.nps.gov](http://www.nps.gov) to learn more.

**Lassen Volcanic Wilderness**

Congress has protected nearly 90 percent of Lassen Volcanic National Park as wilderness under the 1964 Wilderness Act. Lassen Volcanic Wilderness was designated in 1972, becoming one of the earliest wilderness areas in the National Wilderness Preservation System. Preserving wilderness shows restraint and humility, and benefits generations to come. Wilderness designation protects forever the land's wilderness character, natural conditions, opportunities for solitude, and scientific, educational, and historical values.

**National Park Foundation.**  
Join the park community.  
[www.nationalparks.org](http://www.nationalparks.org)

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- Pullover
- Hydrothermal area
- Pacific Crest Trail
- Hiking trail
- Distance indicator
- Unpaved road
- Information site
- Food service
- Ranger station
- Gasoline
- Campground
- Interpretive trail
- Wheelchair-accessible
- Boat launch
- Sanitary disposal station
- Amphitheater
- Showers
- Scenic viewpoint

North

0 1 2 Miles  
0 1 2 Kilometers