



2005 Prescribed Burn near Horseshoe Lake

May - November 2019

PEAK EXPERIENCES

Managing Wildfire in Lassen Volcanic

Over the last few decades, the role of wildfire has changed profoundly. Longer fire seasons, bigger fires, and more extreme fire behavior have become the norm.

Increasingly, catastrophic wildfires result in significant damage to property and resources. The 2018 Camp Fire was the most destructive fire in California's history and burned just 40 miles south of Lassen Volcanic National Park.

Science Tells the Story

Science is key to understanding the changes in wildfire seasons as well as the essential role wildland fire plays in our environment.

Social and cultural approaches to wildland fire over the past century have focused on preventing and suppressing the majority of wildfires. This has contributed to a dangerous build-up of vegetation (known as fuels) in our wildlands.

The accumulation of fuels leads to fires that burn hotter, last longer, and spread faster. As a result, these fires can become difficult to manage and can threaten areas of development and other important resources.

At Lassen Volcanic, rapid changes in climate have generally resulted in warmer and drier conditions. Reduced snowpack and earlier spring snowmelt create fire-prone drought conditions and longer fire seasons.

Through science, we also continue to learn and now have a more comprehensive understanding of the essential role fire plays in our environment.

Natural fire regimes, or the natural pattern, frequency, and intensity of fires in an area over time, support healthy forests and ecosystems.

Most plants and animals at Lassen Volcanic are fire adapted. Periodic fire stimulates growth of plants like

A Collaborative Effort

Managing wildland fire in today's ever-changing environment requires collaboration among all stakeholders and across all landscapes.

Lassen Volcanic works closely with its partners including the US Forest Service, CAL FIRE, and local organizations. Our goal is to help communities understand and accept what it means to live in a fire-prone area and to realize the benefits of managing fire in our wildlands while protecting lives and resources.

This guide to the park shares the park's priorities, challenges, and approaches to fire management. I hope that it encourages you to learn more about how wildfire affects you, your community, and the natural and cultural resources you value.

-Jim Richardson,
Superintendent



Continued on page 6

General Information	2-3	Programs & Events	8-9	Next Generation Stewards	13
Campgrounds & Facilities	4-5	Hiking Trails	10-11	Highway Highlights	14
Fire Management	6-7	Support Your Park	12	Travel around the Park	15



This visitor guide is made possible through support of the Lassen Association.
www.lassenassociation.org

GENERAL INFORMATION



Lassen Volcanic National Park

National Park Service
U.S. Department of the Interior

Kohm Yah-mah-nee Visitor Center

Phone: (530) 595-4480 (year-round)
Fax: (530) 595-4477

Loomis Museum (summer only)

Phone: (530) 595-6140
Fax: (530) 595-6149

Website

nps.gov/lavo

Email Address

lavo_information@nps.gov

Mailing Address

Lassen Volcanic National Park
P.O. Box 100
Mineral, CA 96063-0100

Social Media

facebook.com/LassenNPS
youtube.com/LassenNPS
twitter.com/LassenNPS
instagram.com/LassenNPS
flickr.com/LassenNPS



Watercraft Rental

Kayak, canoe, stand-up paddle board, and cataraft rentals are available in the Manzanita Lake Camper Store. Watercraft rentals are offered from 10 am to 4 pm, May 22 through October 1 on a first-come, first-served basis. Visit lassenlodging.com for more information.



Accessibility

Accessible facilities include the Loomis Museum, Discovery Center, Manzanita Lake Camper Store, and the Kohm Yah-mah-nee Visitor Center. Wheelchair-accessible restrooms are located at Loomis Plaza, Devastated Area parking area, Summit Lake and Kings Creek picnic areas, Lassen Peak parking area, Bumpass Hell parking area, Sulphur Works parking area, and the Kohm Yah-mah-nee Visitor Center. Wheelchair accessible paths include the Devastated Area interpretive trail, Sulphur Works area, and the Lassen Crossroads information area. Multiple scenic pullouts on the park highway have wheelchair accessible wayside exhibits. See page 4 for accessible campsites. An accessibility guide is available at visitor centers or online.

ATM

The Manzanita Lake Camper Store has an ATM.

Bicycles

Bikes are permitted only on roads and parking areas, not on hiking trails. Ride single file and be attentive to passing cars and recreational vehicles that may not be aware of cyclists. There are no shoulders or bike lanes on Lassen National Park Highway. Helmets are highly recommended for adults and are required under California law for children age 17 and younger.

Drones / Unmanned Aircraft

Launching, landing, or operating an unmanned aircraft within park boundaries is prohibited.

Emergency

If you have an emergency call 911. If phone service is not available, contact a park employee or go to a visitor center.

Firearms

Visitors are responsible for understanding and complying with all applicable State of California, local, and federal firearm laws. Federal law prohibits firearms in certain facilities in this park identified by posted signs at public entrances. For more information, visit oag.ca.gov/firearms or contact the chief park ranger at (530) 595-6100.

Fishing

California fishing regulations apply to all areas within Lassen Volcanic National Park. A California fishing license is not required on two free fishing days: July 6 and August 31, 2019. Additional fishing regulations apply at Manzanita Lake:

- Catch and release only.
- Artificial lures with a single barbless hook. No power bait.
- Manzanita Creek above Manzanita Lake is closed to fishing.

Gasoline

Gasoline is available at the Manzanita Lake Camper Store near the northwest entrance of the park. Gasoline may be purchased with a credit card 24 hours a day from May 23 to October 13, 2019. Note that there is no gas available within 30 miles of the southwest entrance.

Food Storage

Proper food storage keeps wild animals wild. Allowing a bear to obtain human food often results in aggressive bear behavior. Aggressive bears are a threat to human safety and must be relocated or most likely, euthanized. Do not feed bears or other wildlife for any reason. Federal regulations require that all food and scented items be properly stored when in the park. Help keep bears wild and humans safe. Remember, a fed bear is a dead bear.

- In campgrounds and cabins, store your food and scented items in food lockers. Only have the food out that you are actually using; if you are not using it, please put it back into the food locker.
- In picnic areas and on the trail, always keep your food within arm's reach and do not turn your back on your food. Never leave food unattended.

Lost and Found

Stop by the Loomis Museum or Kohm Yah-mah-nee Visitor Center to leave a found item or report a lost item. Be sure to file a lost item report if you misplaced something during your visit, as items can often turn up several weeks later.

Hydrothermal Area Safety

For your safety, please stay on established trails, boardwalks, and sidewalks. The ground in hydrothermal areas can look solid but may actually be a thin crust hiding pools of acidic boiling water. Traveling off-trail in hydrothermal areas is illegal and has resulted in severe injuries for previous visitors.

Picnic Areas

Picnic areas are found throughout the park (see the map on page 14). Charcoal disposal is available at Kings Creek Picnic Area only.

Phones

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

Pets in the Park

Activities with pets are limited at Lassen Volcanic. Pets must be restrained at all times and are not permitted on hiking trails, in the park backcountry, in any body of water, or inside visitor centers or other park facilities. A good rule of thumb is that a pet may go anywhere a car may go: roads and road shoulders, campgrounds, picnic areas, and parking areas. For your pets' safety, do not leave them in vehicles when temperatures are high; they can die of heat exhaustion. Vast public lands nearby offer great hiking with pets. Ask a ranger for information on areas outside the park that allow pets.

Share the Road

Park roads are narrow and winding. Do not stop in the roadway—save sightseeing for designated viewpoints. Watch for pedestrians, bicyclists, and wildlife. Ensure a minimum passing distance of three feet (one meter).

Showers and Laundry

Coin-operated showers and laundry machines are available 24 hours a day at the Manzanita Lake Camper Store. A change machine is located in the laundry room.

Sunrise and Sunset

Date	Sunrise	Sunset
5/15	5:49 am	8:16 pm
6/15	5:35 am	8:38 pm
7/15	5:48 am	8:35 pm
8/15	6:16 am	8:03 pm
9/15	6:46 am	7:15 pm
10/15	7:17 am	6:26 pm

Month	Average High/Low
May	70/29 °F
June	79/34 °F
July	84/40 °F
August	85/40 °F
September	78/36 °F
October	69/30 °F

Data for Manzanita Lake Area

Weather

With elevations from 5,650 feet to 10,457 feet, a wide variety of weather conditions occur in Lassen Volcanic. Expect a 5° temperature decrease for every 1,000 foot increase in elevation. Prepare for your visit; bring layered clothing, a raincoat, hat, and sunscreen.

CAMPGROUNDS & FACILITIES

First-Come, First-Served

All campgrounds (except group campsites), have designated first-come, first-served campsites. You cannot reserve these sites, but they can fill up. You may not hold a site for someone who has not arrived.

Reservable Sites

Sites may be reserved in advance for certain campgrounds—see the chart below. For reservations call 1-877-444-6777 or visit www.recreation.gov. Reservations are required for group campsites.

Stock Corrals

Stock corrals are available at Butte, Summit, and Juniper Lakes. Potable water is not available at Juniper Lake and Summit Lake Stock Corrals. Reservations are required; call 1-877-444-6777 or visit recreation.gov.

Check-in & Check-out

Check-in any time, but sites may not be available until noon. Check-out time is noon.

Campsite Capacities

A maximum of two vehicles are allowed at each campsite, except at designated group sites. An RV, tow vehicle, trailer, car, or truck each count as one vehicle. Campsite capacity is limited to six persons and three tents. Group campsite capacity is 25 persons per site. Group campsites at Juniper Lake are restricted to tents with a maximum of 15 persons per site.

Quiet Hours

Each visitor deserves to hear the natural sounds of this beautiful environment. Respect this by complying with the regulations: generator operation hours are 8-10 am, 12-2 pm and 5-7 pm; quiet hours are 10 pm-6 am. Generators are not allowed in tent only loops. Please be considerate of your fellow campers.

Services and Dump Station

In-park services including pay showers, laundry, and a dump station are available near the Manzanita Lake campground. Hookups are not available in the park.

Campground	Elevation	# Sites	Season	Daily Fee	Accessible	Flush Toilets	Vault Toilets	Services	Boat Launch	Reservable	RV Sites
Butte Lake*	6100'	101	6/7 - 10/22	\$22	•	•	•		•	•	•
Juniper Lake*	6800'	18	6/28 - 10/8	\$12			•		•		
Manzanita Lake	5900'	179	5/24 - ^{snow} closure	\$26	•	•	•	•	•	•	•
Summit Lake North*	7000'	46	6/28 - 10/1	\$24	•	•				•	•
Summit Lake South*	7000'	48	6/28 - 10/1	\$22			•			•	•
Southwest Walk-In	6700'	20	Year-round	\$16		•	•				
Warner Valley*	5600'	17	6/5 - 10/15	\$16			•				
Butte Lake Group Sites	6100'	6	6/7 - 10/22	\$62			•		•	•	•
Lost Creek Group Sites*	5900'	8	6/14 - 9/24	\$62			•			•	•
Manzanita Lake Group Sites	5900'	4	5/24 - 7/1, 9/9-10/15	\$72		•	•	•	•	•	•
Juniper Lake Group Sites	6800'	2	6/28 - 10/8	\$32			•		•	•	
Butte Lake Stock Corral	6100'	1	6/7 - 9/10	\$37			•		•	•	
Juniper Lake Stock Corral	6800'	1	6/28 - 10/8	\$32			•		•	•	
Summit Lake Stock Corral	7000'	1	6/28 - 9/17	\$37			•		•	•	

*Special Considerations

Roads to Juniper Lake, Warner Valley, and Butte Lake are rough gravel. Trailers are not advised on Juniper Lake and Warner Valley roads. Potable water is not available at Juniper Lake. Potable water is available through the following dates: Butte Lake 9/9, Summit Lake 9/16, Manzanita Lake Loops A&B 10/15. Lost Creek Group sites are closed 7/29 to 8/6 for a special event.

Discounts

Holders of Senior and Access passes receive a 50% discount on camping fees, except for group campsites.

Length of Stay

Camping is limited to 14 days per year, per campground, except at Summit and Juniper Lakes, which are limited to 7 days per year.

Overflow Camping

No overflow camping exists in the park; however, the park rarely fills all available campsites. Camping or overnight vehicle parking in pullouts, parking areas, picnic grounds, or any place other than a designated campground is not permitted.

Camping in Vehicles

Camping in self contained vehicles is allowed in a designated area of the Kohm Yah-mah-nee Visitor Center parking area with campground payment (a campsite is not required).

Campfire Restrictions

Open fires are restricted to metal fire rings only-no fires in the backcountry. Gather only dead and down wood less than 4 inches in diameter and within 30 feet of roadways. Attend to campfires at all times and ensure your campfire is out cold before you leave. Wood is available for purchase at the gift shop in the visitor center and at the Manzanita Lake Camper Store. Help prevent the spread of invasive insects and diseases by buying or collecting firewood where you camp. Learn more at dontmovefirewood.org.

Reduce Waste and Save Money

Purchase a refillable one-liter propane canister and help eliminate the four million canisters wasted in California each year. You can also safely dispose of your empty non-refillable canisters in the bin outside the Kohm Yah-mah-nee Visitor Center.



Services and Facilities



Southwest Area

6700' (2042 m) elevation. 50 miles east of Red Bluff on Highway 36 then 6 miles north on Highway 89.

Kohm Yah-mah-nee Visitor Center

Exhibits, park film, maps, and Lassen Association bookstore. Lassen Café & Gift offers supplies, gifts and food. The visitor center is open 9 am to 5 pm daily. (Lassen Café & Gift is open daily 5/23 through 10/14).

Manzanita Lake Area

5900' (1798 m) elevation. 47 miles east of Redding on Highway 44, then one mile beyond the northwest park entrance.

Loomis Museum

Exhibits, park film, maps, and Lassen Association bookstore. Open 9 am to 5 pm.

5/24 - 6/16 Fri-Sun only
6/17 - 10/6 Daily
10/7 - 10/27 Fri-Sun only

Manzanita Lake Camper Store

Supplies, gifts, food, and gasoline.

5/23 - 6/14 8 am to 5 pm
6/15 - 10/13 8 am to 8 pm

Manzanita Lake Cabins

1-room, 2-room and bunk cabins for \$74 or \$99. Available 5/25 to 10/7. For reservations call: (866) 999-0914 or visit lassenlodging.com. Check-in at Camper Store.

Warner Valley Area

5600' (1707 m) elevation. 17 miles north of Chester.

Drakesbad Guest Ranch

Lodging, restaurant, thermal-heated pool, and horseback riding. Open 6/1 to 10/14 (weather permitting). Reservations required for dinner or lodging, call (866) 999-0914.

FIRE MANAGEMENT

Managing Wildfire in Lassen Volcanic

Continued from the front page

tobacco brush, which support California tortoiseshell butterfly populations. Fire also supports diversity in understory plants such as grasses and wildflowers, which have declined in dense forest conditions.

Fire management requires balancing the risks and benefits of fire in our wildlands. Lassen Volcanic's Fire Management Program addresses the specific priorities, challenges, and approaches that are most likely to be effective in the park.

Priorities

Park priorities focus on protecting life and then developed areas that contain recreational and/or cultural resources including: campgrounds, road corridors, historic districts, and other facilities.

Certain natural resources are threatened by catastrophic wildfire as well. Lassen Volcanic contains headwaters of four watersheds, all of which are key sources of California's water supply. High-intensity or large-scale fire within these watersheds can create significant downstream effects like reduced water quality and quantity as well as impacts to fish and insect populations and downstream communities.

Some plants and animals, although adapted to normal fire regimes, could be impacted by catastrophic fire. Examples at Lassen include old-growth trees, Whitebark pine, spotted owls, three-toed salamanders, and American badgers.

On a larger scale, the park Fire Management Plan aims to create more resilient landscapes. This includes supporting the return of fire at more frequent intervals to support effects at various levels of severity. Science suggests that forests with various tree ages and species are the most resistant to the increasing challenges of drought and frequent fire.

Challenges and Approaches

Lassen Volcanic National Park, like all public lands, faces its own unique set of challenges to fire management. These challenges each require their own set of approaches that are appropriate for the park's resources, mission, and conditions.



National parks provide one of the highest levels of protection for the resources they contain. This type of preservation often amounts to applying as little intervention as possible. This is especially relevant in designated Wilderness, which comprises nearly three quarters of Lassen Volcanic National Park.

A new project in the southeast area of the park includes a unit that falls almost entirely within Lassen Volcanic Wilderness. Fuel reduction activities on Flatiron Ridge will be completed entirely by hand to reduce impact to Wilderness character. This includes the use of cross-cut saws and hand piling.



Crews use cross-cut saws and other hand tools to remove fuel with minimal impact to Wilderness areas.

A crew from Sierra Institute, based out of nearby Taylorsville, will complete this labor-intensive work this summer. In the following years, firefighters will be able to use strategic fire application, known as prescribed fire, to further reduce fuel loads in the area. This will help protect the headwaters of the North Fork of

the Feather River Watershed and improve protection of the historic Drakesbad area in the valley below.

The close proximity of fuels to facilities is another challenge to park fire management. Forests adjacent to developed areas are high-priority for fuels reduction and forest restoration projects. Treatment is necessary to reduce the risk of damage or loss to cultural and natural resources.

An ongoing project in the Manzanita Lake and Lost Creek areas uses an approach to forest restoration that is relatively new within the National Park Service. In a two-step treatment process, one-time entry of mechanical equipment is used to reduce fuels near developed areas. This is done to minimize the risk of damage to life or property. Once more natural spacing and structure (age and species) is restored, the areas are maintained using low and moderate intensity prescribed fire.

Mechanical thinning involves the use of heavy equipment often used in logging. The surrounding Lassen National Forest and privately managed forest lands can use logging techniques as a tool to strategically maintain forest health.

Funding for the North Fork Feather River Headwaters fire management project has been provided by the Sierra Nevada Conservancy, an agency of the State of California, under the Water Quality, Supply, and Infrastructure Improvement Act of 2014 (Proposition 1) grant cycle and in support of the Sierra Nevada Watershed Improvement Program.

Mechanical treatment within a national park site, however, prioritizes the prescription—or scientific selection of fuel to be removed—over timber value. It also requires significant restoration activities after treatment to remove tread marks and create erosion control. As a result, this type of specialized treatment can be expensive, which often limits its use.

Lastly, the continuity between Lassen Volcanic and surrounding forests and communities means fire management in the park extends well beyond its borders. Fire does not acknowledge jurisdictional boundaries and left unmanaged, can easily spread into or outside of the park.

Every fire management project in the park is like a carefully considered chess move in the long-term strategy to restore forest health and natural and manageable fire regimes. Healthy forests with more open spacing and fewer but larger trees can reduce impacts from large-scale fire by slowing or stopping fire movement, either naturally or with intervention. Over time, the presence of enough pockets of healthy forest would naturally prevent large-scale spread and require less intervention.

Working Together

Lassen Volcanic National Park is part of the Susanville Interagency Fire Center, which includes state and federal partners engaged in a cohesive strategy for the management of all wildland and prescribed fire in the region. This partnership helps all collaborators make the most sound decisions to safely and effectively manage fire.

Government agencies, organizations, and individuals can all contribute to wildland fire management. As a private resident, homeowner, or land-owner, you can play a role in planning and implementing actions to mitigate the risk posed by wildfire to your community. This includes making sure you, your family, and your home are ready for a wildfire. CAL FIRE's ReadyForWildfire.org website provides information on how to create defensible space, tips for preventing wildfire, and more.

You can also learn more about national fire management in the National Cohesive Wildland Fire Management Strategy at forestsandrangelands.gov/strategy. Or, learn more about fire management at Lassen Volcanic National Park at go.nps.gov/lavo/fire.

Bumpass Hell Trail Improvements Continue



The newly reconstructed boardwalk is open and accessible only via a 5.2-mile round-trip trail from Kings Creek Picnic Area.

This summer, Lassen Volcanic continues efforts on a multi-year project to rehabilitate the Bumpass Hell Trail and boardwalk. The effort aims to allow visitors to safely enjoy the popular hiking path and hydrothermal area and to preserve the historic character of the 84-year-old trail.

In 2018, trail crew members reconstructed the Bumpass Hell Basin boardwalk. The new boardwalk is constructed of durable, recycled plastic planks that blend into the basin and float just above the ground, reducing the visual impact on the landscape.

Park trail crew also constructed stone retaining structures on the first half of the trail and filled in eroded areas with gravel. This labor-intensive effort helps control erosion, eliminates tripping hazards like tree roots and exposed rock, and restores the trail to its original mild grade of six percent.

This summer, park staff will resume trail improvement efforts on the second half of the trail as soon as it is clear of snow. Trail crew anticipates completion one month after work begins. As with the normal summer trail opening of this high elevation trail, this date is largely dependent on winter snowpack and spring conditions.

Once trail improvement work is complete and the trail is reopened to the basin, crew members will begin work on the remaining project objectives including:

- Restoring a 0.2-mile historic trail to provide a second route between the basin overlook and the basin.
- Enhancing overlooks along the trail and within and above the basin to improve the visitor experience.
- Rehabilitating five impacted areas adjacent to the trail.

Learn more and view photos of the project at go.nps.gov/BHEA.

PROGRAMS & EVENTS

Field Seminars



Acrylic painting by Yvonne Jordan-Sherwood

Learn, explore, and discover through Lassen Association field seminars.

For more information or to register call (530) 595-4464, email lassenassociation@yahoo.com or visit go.nps.gov/lavo/seminar.

Acrylic Plein Air Painting Workshop

6/22 | Devastated Area

Join artist Yvonne Jordan-Sherwood for a three-hour acrylic painting workshop for ages 10 and older. Cost is \$30 (\$25 for members) or \$10 for children ages 10-18 (with a paying adult).

Manzanita Lake Guided Hike with Tracy Salcedo

6/29, 6/30 | 10 am - 12 pm

8/10 | 4- 6 pm

Discover new hiking best practices and trails on a walk-and-talk hike with author of *Hiking Lassen Volcanic National Park*, Tracy Salcedo. Cost is \$10.

Photography Field Workshop

7/26-27 | Manzanita Lake

9/20-21 | Bumpass Hell

Hone your nature photography skills at a two-day field workshop with photographer Terry Nathan. Participants of all experience levels are welcome. Cost is \$150 (\$130 for members).



Day in the Park Festival at Loomis Plaza

Ranger-led Programs

Mid-June - August

September - limited offerings

Discover your park through a ranger-led program from Junior Ranger activities to evening talks. View schedules and descriptions at park visitor centers and campgrounds. Programs are primarily offered at Kohm Yah-mah-nee Visitor Center, Sulphur Works, Loomis Museum, and Manzanita Lake amphitheater.

Bird Banding Demonstrations

July 14 | 8:00 to 9:30 am

Manzanita Lake

Join biologists from the park and Point Blue Conservation Science for a bird banding demonstration on the shores of Manzanita Lake. Watch as the biologists use nets to capture and band migratory birds for an annual survey. Meet a ranger at the Manzanita Lake boat ramp on the hour and half hour between 8:00 and 9:30 am for a short walk to the banding site.

Lassen Dark Sky Festival

August 2 - 3

Join park rangers, NASA scientists, astronomers, and astrobiologists in celebrating all that is out of this world. Enjoy special programs, presentations, and Junior Ranger activities both day and night. View the event schedule online at go.nps.gov/darksky.

Day in the Park Festival

August 10 | 11 am - 2 pm

Loomis Plaza

Celebrate Lassen Volcanic National Park's birthday weekend with this special event hosted by the Lassen Park Foundation. Enjoy information booths with hands-on activities, live music, face painting, and art displays. A fundraiser barbecue lunch will be served by Anderson Rotary Club.

Reach the Peak Hike-a-Thon

August 11 | 8 am - 4 pm

Lassen Peak Parking Area

Participants in the third annual Reach the Peak Hike-a-Thon will hike the Lassen Peak Trail to raise money for youth camping programs. This fundraiser is organized by the Lassen Park Foundation, which provides a fueling station at the trailhead with water and snacks to take with you on the trail. Please bring a water bottle or hydration pack to reduce disposable bottle waste. Learn more at lassenparkfoundation.org.

Art, Wine & Beer of Lassen

September 7 | 11 am - 5 pm

Kohm Yah-mah-nee Visitor Center

Taste wine from local vineyards, try a beer from an area brewery, sample products from regional entrepreneurs, and enjoy art and music from local artists on the visitor center patio. A tasting fee includes a commemorative glass. This event is hosted by the park concessioner, Snow Mountain, LLC.

Peak Experience Auction

September 21 | Redding, CA

Support Lassen Park Foundation projects including youth programs at the new Volcano Adventure Camp at this annual auction. This year's event celebrates 35 Years of Lassen Park Foundation. Learn more at lassenparkfoundation.org.

Public Lands Day

Volunteer Opportunities

September 28 | Park-wide

Participate in the nation's largest, single-day volunteer effort on National Public Lands Day. Volunteer on this day and receive a free entrance coupon to be used at a future date. Learn more at go.nps.gov/lavo/vip.

Self-guided Activities

Park challenges and self-guided tours are a great way to discover the park at your own pace.

Roadside Audio Tour

Delve into Lassen Volcanic's history with a roadside audio tour. Download the MP3 files before your visit for use on any mobile device or media player at go.nps.gov/lavo/audio.



Nature Trails

Learn more about the 350-year-old eruption of this conical volcano on the Cinder Cone Nature Trail near Butte Lake or explore pond ecology on the Lily Pond Nature Trail near Manzanita Lake. Pick up either brochure at the trailhead or park visitor centers. And, discover the story behind Lassen Peak's dramatic 1915 eruption on the short, accessible Devastated Area Interpretive Trail.

Parkcaching Challenge

Earn a free carabiner

Locate at least 6 of 11 parkcaches along the park highway using GPS coordinates to earn a free carabiner. Get a copy of the challenge brochure at go.nps.gov/lavo/gps or at park visitor centers.



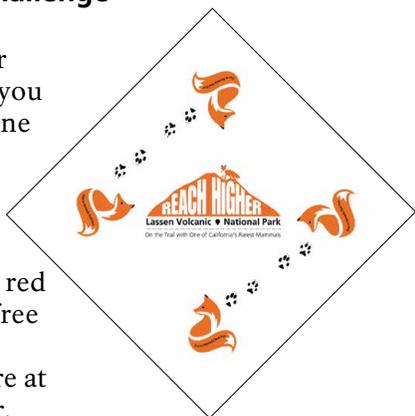
Lassen Peak Crater Loop Audio Tour

Travel back in time with eight stories from earlier visitors to Lassen Peak. Download the MP3 files and location map for use on any mobile device or media player and enjoy a narrated tour of the colorful eruption crater on the summit of Lassen Peak.

Reach Higher Trail Challenge

Earn a free bandana

The 2019 Reach Higher Trail Challenge invites you to share the trail with one of California's rarest mammals. Hike at least seven miles and take at least one action to foster Sierra Nevada red fox recovery to earn a free bandana. Pickup a participation brochure at go.nps.gov/reachhigher.



Wilderness Camping



Overnight backcountry users must use an approved* bear resistant food storage container to store food and scented items.

Permit Required

A free wilderness permit is required for overnight camping and stock use in Lassen Volcanic's backcountry wilderness. Permits are available in-person during operating hours at the Loomis Museum and the Kohm Yah-mah-nee Visitor Center. Self-registration is available after hours at the above locations and at the Juniper Lake, Butte Lake, and Warner Valley Ranger Stations. Permits are also available at least two weeks in advance through the park website.

Leave No Trace

Enjoy Lassen Volcanic Wilderness responsibly. Observe *Leave No Trace* principles including: camp at least 300 feet from other groups, 100 feet (about 30 paces) from streams and lakes, and at least 1/2 mile from any developed area.

Protect Yourself and the Park

To protect fragile resources, campfires are not allowed anywhere in the backcountry; gas stoves are permitted. Filter or treat all drinking water; Giardia has been found in park surface waters.

Bear Resistant Food Storage Required

NPS-approved* containers are required for overnight backcountry users and are available for rent at the Kohm Yah-mah-nee Visitor Center and Loomis Museum.

*View a list of NPS approved containers at go.nps.gov/lavo/backpacking

Hydrothermal Area Danger

For your safety, stay on established trails and boardwalks. The ground in hydrothermal areas can look solid but 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.



Stay on established trails to avoid injury

"It feels like I put my leg in a flame"

- Visitor injured at Devils Kitchen

HIKING TRAILS

Which Hike is Right for You?

There are over 150 miles of trails in Lassen and each one offers its own reward. Below is a selection of day hikes in the park. Information about additional trails including backpacking routes is available at park visitor centers.

Average Level of Difficulty: Easy ● Moderate ●● Moderately Strenuous ●●● Strenuous ●●●●

Manzanita and Summit Lakes Area	Level of Difficulty	Round-trip Distance (mi)	Elevation Change (ft)*
Echo Lake Trail climbs through forest and woodland before arriving at Echo Lake; offers spectacular views of Lassen Peak. Trailhead 1/2 mile north of North Summit Lake campground.	●●	4.4	416
Paradise Meadow Trail skirts Hat Lake and then climbs into a narrow ravine with small footbridges over creek crossings. Trail ends at a meadow lined by talus cliffs. Trailhead across highway from Hat Lake parking area.	●●	2.8	700
Devastated Area Interpretive Trail  Accessible path with signs about the effects of the 1915 Lassen Peak eruption. Excellent for families or those unable to take longer trails. Trailhead at Devastated parking area.	●	0.5	0
Lily Pond Nature Trail Easy trail skirts Reflection Lake and a lily pond. A trail brochure and corresponding posts highlight the plants and trees in the area. Trailhead across from the Loomis Museum.	●	0.75	0
Manzanita Creek Trail climbs gently through firs and pines; switchbacks to a meadow alongside Manzanita Creek; then ends in a meadow with views of Eagle Peak, Vulcan's Castle and Loomis Peak. Trailhead at end of Manzanita Lake Campground road.	●●	7.0	1,110
Manzanita Lake Easy, mostly flat trail wraps around Manzanita Lake. Superb views of Lassen Peak and Chaos Crags. Great for birdwatchers, wildflower enthusiasts, and families. You can pick up this loop trail from the boat launch area or behind the Loomis Museum.	●	1.5	0
Chaos Crags and Crags Lake Climbs gently through forest before opening to the thinly forested edge of Chaos Jumbles. The trail continues down a steep path to the lake which is often dry in the summer. Trailhead 0.1 miles after turnoff to Manzanita Lake Campground.	●●	4.0	850

Butte Lake Area			
Cinder Cone  Exposed path of loose cinders skirts the Fantastic Lava Beds and the Painted Dunes before climbing steeply to the summit. Trail continues into the crater and offers spectacular views of Lassen and the eastern park. Trailhead on southwest side of Butte Lake boat ramp.	●●●●	4.0	846

Warner Valley Area			
All trails below begin from trailhead across from Warner Valley Campground			
Devils Kitchen  Trail gradually crosses through meadow and forest to a circuit that winds through mudpots, steam vents, fumaroles, and milky Hot Springs Creek.	●●	4.2	440
Boiling Springs Lake  Trail climbs gradually through meadow and forest to the lake. Steam vents under the lake keep the water around 125 degrees. Good wildflowers and bird viewing.	●	1.8	300
Terminal Geyser  Continues from Boiling Springs then follows the Pacific Crest Trail. Drops steeply to a clearing where a stream runs over a steam vent (not a true geyser).	●●	5.8	610

Pets and Trails

Pets are not permitted on hiking trails, in any body of water, or in park buildings. Ask a ranger for information about pet-friendly hikes outside the park.

Explore Safely

Your Safety is Your Responsibility

- Bring water
- Wear sturdy boots
- Bring extra food
- Pack a map and compass
- Check the weather forecast
- Carry extra layers for warmth
- Tell someone where you are going and when you will return



Southwest Area	Level of Difficulty	Round-trip Distance (mi)	Elevation Change (ft)*
Brokeoff Mountain <p>Mostly steep, forested trail climbs to the shoulder and then to the top of Brokeoff, providing excellent panoramic views of the park and surrounding area. Trailhead ¼ mi south of SW entrance.</p>	●●●●	7.4	2,600
Mill Creek Falls <p>Rises and falls through the red fir forest to an overlook of the falls. Continue across the creek to reach the top of the falls. Trailhead behind Kohm Yah-mah-nee Amphitheater.</p>	●●●	3.2	307
Ridge Lakes <p>Steep trail climbs up a ridge and then through a ravine to Ridge Lakes nestled in a basin between Brokeoff Mountain and Mt. Diller. Trailhead at Sulphur Works parking area.</p>	●●●●	2.0	1,045
Bumpass Hell Trail Closed for Improvement Project <p>The trail from Bumpass Hell and Lake Helen parking areas is closed for an improvement project. The boardwalk is open and accessible only via the 5.2-mile round-trip trail from Kings Creek Picnic Trailhead. Learn more at go.nps.gov/BHEA.</p>	●●	3.0	300
Lassen Peak <p>Exposed, steep trail of loose rock switchbacks up a ridge to the peak. Great views along the trail and superb panoramic views from the top. Trailhead at Lassen Peak parking area.</p>	●●●●	4.8	1,957
Cold Boiling Lake <p>Easy trail passes through forest and meadow to this bubbling lake in an alpine basin. Tiny gas bubbles escape Lassen's hydrothermal system below making it appear to be boiling. Trailhead at Kings Creek Picnic Area; parking is very limited.</p>	●	1.4	40
Kings Creek Falls <p>Trail crosses through Kings Creek Meadows and forests before dropping steeply down to the cascades and falls. Trailhead 1 mile north of Kings Creek Picnic Area.</p>	●●	3.0	500
Terrace, Shadow, and Cliff Lakes <p>Rocky trail through the basin between Reading Peak and Lassen Peak. Lakes offer good swimming. Trailhead halfway between Lassen Peak parking area and Kings Creek Meadow.</p>	●●●	3.4	700

Juniper Lake Area	Level of Difficulty	Round-trip Distance (mi)	Elevation Change (ft)*
Mount Harkness <p>Climbs through forest and open woodland to the peak. A staffed fire lookout and panoramic views are found at the top. Trailhead adjacent to Juniper Lake Campground.</p>	●●●●	3.8	1,246
Crystal Lake <p>Short ascent winds through forest to this small tarn in a rocky basin. Trailhead 0.3 miles north of Juniper Lake Campground.</p>	●	0.8	380
Inspiration Point <p>Climbs through forest, meadow patches, and a sunny bench section. The summit rewards hikers with stunning views of Lassen, Prospect Peak, Cinder Cone, and Mount Harkness. Trailhead 50 feet east of Juniper Lake picnic area parking.</p>	●●	1.4	400
Horseshoe Lake <p>Easy trail climbs gently to a saddle between Juniper and Horseshoe Lakes. Good fishing. Trailhead at Juniper Lake picnic area.</p>	●	2.8	240

SUPPORT YOUR PARK

Entrance Fees

Your park fees provide funding for park projects that improve and enhance the park for all visitors. A park fee increase* went into effect on January 1, 2019 and is reflected below.

Pass	Cost
Valid for 1-7 Days	
Vehicle Pass	\$30*
Motorcycle Entry Pass	\$25*
Individual Entry Pass	\$15*
Annual Passes	
Lassen Pass	\$55*
Valid one year from month of purchase at Lassen Volcanic	
Interagency Pass	\$80
Valid for entrance to all federal recreation sites for one year from month of purchase.	
Military Pass	Free
Available to active duty military members and their dependents. (in-person only)	
4th Grade Pass	Free
Available to all U.S. 4th graders with a valid Every Kid in a Park paper pass.	
Lifetime Passes	
Access Pass	Free (in-person)
Available to U.S. citizens or permanent residents with permanent disabilities. \$10 (by mail)	
Senior Pass	\$80 (in-person)
Lifetime pass for U.S. citizen or permanent residents age 62 or over. \$90 (by mail)	
	\$20 (one year)



Wildflowers Grow By the Inch and Die By the Foot

Lassen needs your help fostering wildflower populations like the rare Lassen Paintbrush. You can both enjoy wildflowers and protect them with choices like:

- Staying on established trails
- Resting or picnicking on hard surfaces
- Leaving wildflowers for others to enjoy
- Enjoying flowers in fragile wet areas near meadows, lakes, and creeks from afar



Lassen Paintbrush
Castilleja lassenensis



Lemmon's Paintbrush
Castilleja lemmonii

Just four to six steps on average can kill a plant

The delicate Lassen Paintbrush is impacted by trampling, especially in the Kings Creek area. Certain floral characteristics and genetic evidence suggest this flower is its own distinct species. Its distribution is likely limited to Lassen Volcanic and its immediate surroundings.

Support Sierra Nevada Red Fox Recovery

Once found throughout the Sierra Nevada and Southern Cascade mountain ranges, the Sierra Nevada red fox is now one of the rarest mammals in California. Scientific research and stewardship offer the best chance for the species' recovery. You can help foster Lassen's native red fox by:



go.nps.gov/lavo/SNRF

- Reporting red fox observations in the Lassen area (above 2,500 feet elevation).
- Keeping your dog off park trails and on a leash in permitted areas or encouraging fellow visitors to do so.
- Picking up trash and disposing of garbage properly.

Thank You Partners!

Lassen Association stores, located within the Kohm Yah-mah-nee Visitor Center and the Loomis Museum, offer books, maps, and educational gift items about the natural and cultural history of Lassen. **All profits go directly to the park** and support efforts such as:

- Art programs
- Reach Higher Trail Challenge
- Dark Sky Festival
- Junior Ranger Program

Bear canisters are also available for rent at either location.

Become a member today and support your national park.



(530) 595-4464
lassenassociation.org
lassenassociation@yahoo.com



(530) 378-2600
lassenparkfoundation.org
info@lassenparkfoundation.org

NEXT GENERATION STEWARDS



NASA Astrobiology Intern Program Celebrates a Decade of Science Education

How and why do NASA scientists study hydrothermal features in Lassen Volcanic National Park? Every year since 2008, a select group of junior and senior students from Red Bluff High School have answered that very question through the NASA Astrobiology Intern Program.

Students in the program work with NASA scientists to perform inquiry-based research in both classroom and field settings. Through hands-on experiments they aim to understand how volcanic and hydrothermal processes affect microbe communities in the park. These microbes, which thrive in extreme environments, may help scientists learn more about life on early Earth or Mars.

Over the course of the school year, student interns learn new content and skills, review prior research, make observations in the park, generate hypotheses and interpret observations, and communicate their findings.

The program aims to improve science literacy and increase interest in space science and Science, Technology, Engineering and Math (STEM) disciplines and is a partnership between Lassen Volcanic National Park, Red Bluff High School, and NASA Ames Research Center. Learn more at go.nps.gov/lavo/astrobio.

Volcano Adventure Camp

2019 Season: June 12 - September 22

Lassen's designated youth-camping facility, Volcano Adventure Camp, supports low-cost group camping experiences by reducing the amount of equipment required and providing necessary amenities for first-time campers. Learn more at go.nps.gov/VAC.



Tent cabins



Stacked cots



Ranger-led programs

Activities for Young Explorers

Chipmunk Club

Our youngest explorers are welcome to participate in our Chipmunk Club. Kids can learn more about wildlife in the park and earn a Chipmunk Club sticker. Pick up a Chipmunk Club card at the Loomis Museum or Kohm Yah-mah-nee Visitor Center.



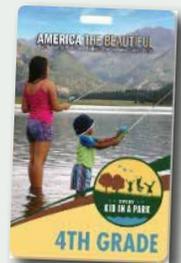
Junior Ranger Program

Kids between the ages of 7 and 12 are invited to participate in our Junior Ranger program. Choose from a variety of activities while learning more about Lassen Volcanic National Park. Kids who complete the Junior Ranger activity booklet can earn a Lassen Junior Ranger badge. Pick up a Junior Ranger activities booklet at the Loomis Museum or Kohm Yah-mah-nee Visitor Center.



Free Parks Pass for Fourth Graders

Get and print your pass at everykidinapark.gov. Use your printed pass or trade it in for a pass card for free entrance for you and your family to all federal lands and waters through August 31.



Junior Ranger Art Contest

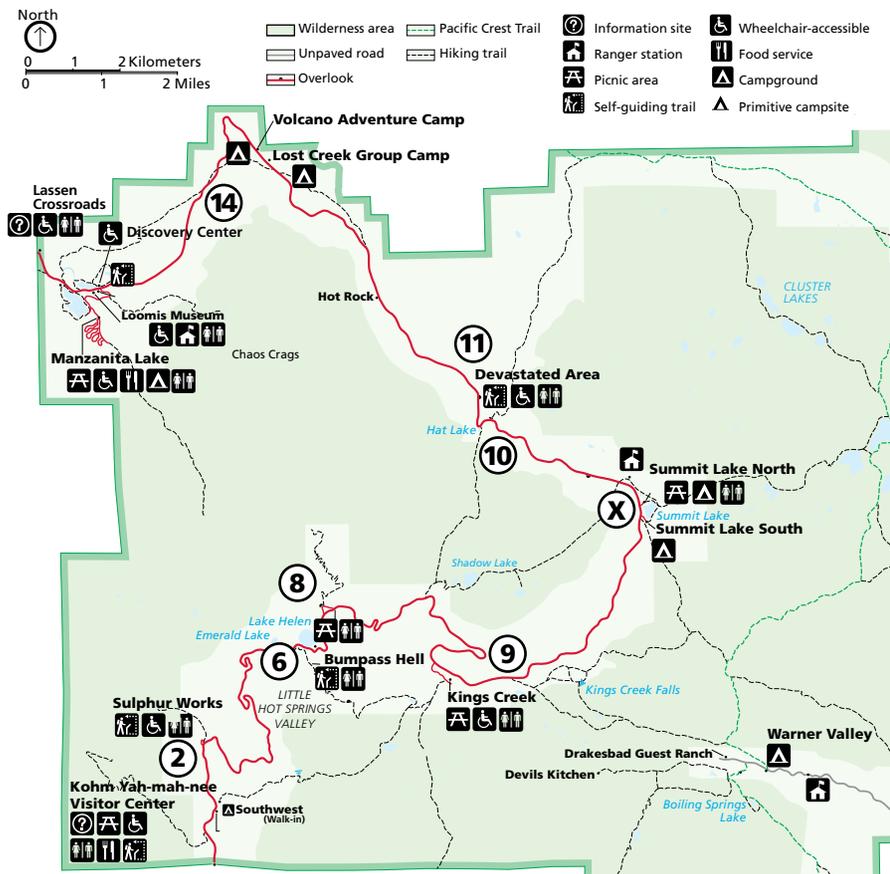
Artists age 12 and younger are invited to submit a drawing of how wildfire helps the park by September 1, 2019. First place will receive a Lassen Annual Pass and an Artist-In-Residence print. All prizes are courtesy of the Lassen Association.



2018 First Place by Jac Stadjuhar, age 11

HIGHWAY HIGHLIGHTS

The 30-mile Lassen Volcanic Park Highway provides an excellent overview of the park. Travel the highway in either direction and enjoy numerous roadside highlights or learn about the park as you go with a downloadable audio tour or the in-depth, printed road guide.



Slow Down, Enjoy the Drive

Adhering to posted speed limits is a great way to help care for Lassen's wildlife and to increase your chances of spotting one of the many creatures that call Lassen home. Feel free to use pullouts to get a closer look.



Roadside Audio Tour

Delve into Lassen Volcanic's history with a roadside audio tour. Download the MP3 files before your visit for use on any mobile device or media player at go.nps.gov/lavo/audio.

Printed Road Guide

For a more in-depth auto tour, you can purchase a printed park road guide *Lassen Volcanic National Park: Auto Tours, Trips, and Trails* at Lassen Association stores in the Kohm Yah-mah-nee Visitor Center or Loomis Museum.



Highway Highlights

2. Sulphur Works

Surround yourself in the gurgling symphony of boiling mudpots and hissing steam vents at the park's most easily accessible hydrothermal area.

6. Bumpass Hell Parking Area and Overlook

Can you spot the former Brokeoff Volcano, also known as Mt. Tehama, in the volcanic remnants that surround you? The nearby boulder tells the story of this massive volcano's slow disappearance. Parking and access may be impacted by equipment for a trail rehabilitation project.

8. Lassen Peak Parking Area and Viewpoint

Experience the majesty of Lassen Peak from the highest point on the park road at 8,512 feet.

9. Kings Creek Meadow Scenic Pull-out

Get your camera ready for this scenic spot where Kings Creek meanders through an expansive meadow at the foot of Lassen Peak.

Highlight stop numbers match numbered markers (see above) along the park highway. *Stop X does not have a marker.

X*. North Summit Lake Picnic Area and Loop Trail

This perfect picnic spot invites you to take a dip in Summit Lake, stroll around the Summit Lake loop trail, or get ready for a trek out to Twin Lakes.

10. Hat Creek

Don't miss this area's fantastic fall colors. Use the crosswalk to access hidden Hat Creek meadow. Can you tell what animal used to live here?

11. Devastated Area

Discover the story of devastation and forest recovery following Lassen Peak's 1915 eruption on this short, accessible trail.

14. Chaos Crag and Jumbles Scenic Pull-out

Imagine a rock slide racing nearly 100 miles an hour down Chaos Crag at this pull-out on the north side of the highway about a mile from the Loomis Museum.

TRAVEL AROUND THE PARK



Travel Around the West Side of the Park

This route is the shortest route around the park. This windy road is not recommended for RVs and trailers. Average travel time is one hour and 45 minutes.

1. From the Kohm Yah-mah-nee Visitor Center, head south on Lassen National Park Highway (SR-89) for 6 miles.
2. Turn right (west) on SR-36. Continue for 23 miles.
3. Turn right (north) onto Lanes Valley Road. A large road sign on the north side of the highway marks the turnoff approximately one mile before the town of Paynes Creek. Continue for 7 miles.
4. Turn right onto Manton Road (CR-A6). Continue for 7 miles.
5. In Manton, turn left onto Wilson Hill Road. Continue for 1.5 miles.
6. Turn left to stay on Wilson Hill Road. Continue for 6 miles.
7. Turn right (east) onto SR-44. Continue for 17 miles.
8. Turn right (south) into the park. Continue 1 mile to the Manzanita Lake entrance.

Travel to the Butte Lake Area

The road to Butte Lake is gravel and passable by most vehicles. From the Manzanita Lake Entrance, follow SR-89 east 13.5 miles to the SR-44/89 junction in Old Station. Turn right to follow SR-44.

1. From SR-44, turn south onto Butte Lake Road (FR-32N21). Look for signs indicating Butte Lake Campground.
2. Continue 6 miles to the Butte Lake Campground and day use area.

Travel Around the East Side of the Park

This route is slightly longer than the west route, however it has fewer curves and is appropriate for RVs and trailers. Average travel time is two hours.

1. From the Kohm Yah-mah-nee Visitor Center, head south on Lassen National Park Highway (SR-89) for 6 miles.
2. Turn left (east) on SR-36. Continue 38 miles to CR-A21/Mooney Road located in the town of Westwood. Continue for 18 miles. Turn left (west) onto SR-44. Continue for 28 miles.
3. Turn left (west) onto SR-44/89. Continue for 13.5 miles.
4. Turn left (south) into the park. Continue 1 mile to the Manzanita Lake entrance.

Travel to the Warner Valley/Juniper Lake

The roads to the Warner Valley and Juniper Lake areas are partly gravel and are not recommended for trailers.

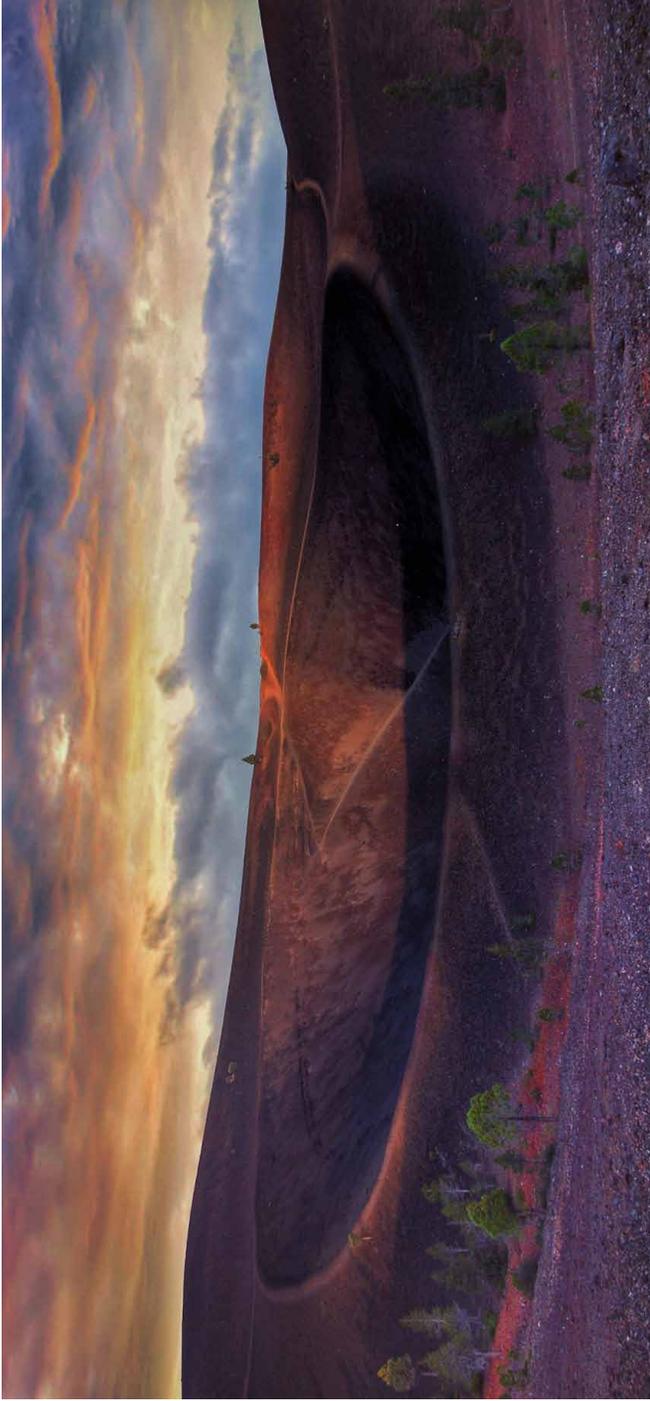
1. From CA-36 in Chester, turn onto Feather River Road (on the northeast side of the Feather River).

To Warner Valley

2. Continue a half mile and veer left onto CR-312.
3. Continue 4 miles and veer right to stay on CR-312. Follow signs to Drakesbad.
4. Continue 12.5 miles to Warner Valley campground and day use area.

To Juniper Lake

2. Continue a half mile and veer right onto CR-318.
3. Continue 13 miles to Juniper Lake campground.
4. Continue an additional half mile to the day use area.



2019 Annual Pass Photo Contest winning photo *Cinder Cone* by Angela Ferrell.

Annual Pass Photo Contest

Do you have the perfect photo of Lassen Volcanic National Park? Submit your photo in the Annual Pass photo contest for a chance to have your photo featured on the 2020 Lassen Annual Pass.

Photo entries must be submitted by September 7, 2019. Entries are limited to two per household. The winner will receive photo credit and a \$50 gift certificate for park bookstores, compliments of Lassen Association.

Call (530) 595-6120 or visit go.nps.gov/lavo/photocontest for more information.



National Park Service
U.S. Department of the Interior
Lassen Volcanic National Park
P.O. Box 100
Mineral, CA 96063-0100