

## Active in the Outdoors

contributed by Ranger Amanda Sweeney

I took my niece on her first hike when she was four. We raced leaf boats down a stream, inspected fallen logs for bugs and ran like wild animals through the woods. She later called it one of the best days of her life. Not long after that my niece began growing up and away from the outdoors. In today's world, outdoor adventures are often traded for indoor activities and children and adults alike seem to have forgotten the joys and benefits of outdoor play. Regular exercise in nature is proven to improve children's physical and mental health, and opportunities to enjoy outdoor activities are right around the corner — at your local parklands!

Lassen Volcanic National Park offers a variety of ways to be active outdoors. Imagine walking with your family through blossoming wildflower fields on the Kings Creek trail, sharing the story of your first camping trip with your kids as you kayak across Manzanita Lake, or teaching your child to ride her bike under the giant ponderosa pines at the Crags Campground.

Even with numerous options for fun outdoor activities, getting kids moving outside can be a challenge. To help get kids excited about exploring their national park, Lassen Volcanic offers a Junior Ranger program and Chipmunk Club. As cell phone signals fade and batteries begin to die, kids can turn to fun, educational activities designed to get them moving and learning. Parents are welcome to join in the fun with ranger-led programs and the Lassen Volcano Club program that will flex both your muscles and your mind.

Trying a new activity together is another great way for families to enjoy outdoor activities. Camping is one way to experience the outdoors, however, it can be difficult to leave behind the comforts of home. New rustic cabins at Manzanita Lake offer a slightly more sheltered experience while still providing those timeless experiences of watching the sunset at Manzanita Lake, roasting marshmallows by the campfire, and gazing at a star blanketed sky.

Exercise in nature provides numerous mental and physical benefits. Your local parklands, including Lassen Volcanic, provide a place for you and your family to enjoy activities in the outdoors. Numerous trails, ranger-led activities, and countless sights provide opportunities for enjoying outdoor exercise and discovering all that your national park has to offer.

#### Welcome!

This summer,
Lassen Volcanic is
proud to promote
the national Let's
Move Outside
campaign to help
you take advantage
of all that your

national park has to offer. Much of Lassen Volcanic can be enjoyed by watching the park film or making the scenic drive through the park, however even a short hike can provide a greater appreciation for Lassen Volcanic's many natural wonders.

Inside this visitor guide you will find information to help you enjoy active, outdoor activities during your visit. Opportunities include enjoying a day hike, participating in a ranger-led program, or even choosing healthy eating options as part of the FitKid program offered by our concessions partner.

The park staff and I invite you to make the most of your visit to Lassen Volcanic by stretching your legs, filling your lungs with fresh mountain air, and creating memories that will last a lifetime.

Darlene Koontz, Superintendent

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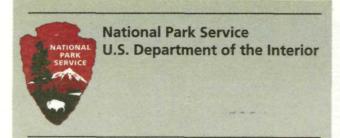
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#### **Peak Experiences**

#### **Published By**

Lassen Association, a non-profit organization that assists the Park Service in its educational, interpretive, and scientific programs. For more information see page 9.

#### Kohm Yah-mah-nee Visitor Center

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

#### **Loomis Museum**

Phone: (530) 595-6140 (summer only)

Fax: (530) 595-6149

#### Website

http://www.nps.gov/lavo

#### **Email Address**

lavo\_information@nps.gov

#### **Mailing Address**

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

#### PICNIC AREAS

Picnic areas are found throughout the park (see the map on page 12).

#### **FOOD STORAGE**

Proper food storage will help keep our wild animals wild. Allowing a bear to obtain human food, even once, often results in aggressive bear behavior. Aggressive bears are a threat to human safety and must be relocated or killed. Do not feed bears or other wildlife for any reason. Failure to follow park food storage regulations is a violation of federal law. Help keep bears wild and humans safe. Remember, a fed bear is a dead bear.

- In campgrounds and cabins store all your food 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 to your food; never leave food unattended. Bears may investigate picnic areas or backpacks for food even when you are nearby, so be alert.



Food storage lockers like this are found at all developed campsites

## **General Information**

#### **EMERGENCY!**

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

#### **PETS IN 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 facilities. A good rule of thumb is that a pet may go anywhere a car may go: roads and road shoulders, campgrounds and picnic areas, parking lots, etc. 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 local hiking trails that allow pets.



A black bear near Kings Creek Meadows

#### SHARE THE ROAD

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

#### **BICYCLES**

Bikes are permitted only on roads, not on hiking trails. Ride single file, and be attentive to passing cars and recreational vehicles that may not be aware of cyclists. The are no shoulders or bike lanes on the park road.

#### **ACCESSIBILITY**

Accessible facilities include the Loomis Museum, Manzanita Lake Camper Store, and the Kohm Yah-mah-nee Visitor Center. Wheelchair-accessible restrooms are located at Loomis Plaza, Summit Lake and Kings Creek picnic areas, Bumpass Hell parking area, Kohm Yah-mah-nee Visitor Center, Devastated Area trail, and Sulphur Works. Wheelchair accessible paths include the Devastated Area interpretive trail, Sulphur Works Area, and the Lassen Crossroads information area. Multiple scenic pullouts on the main park road have wheelchair accessible wayside exhibits. See page 3 for accessible campsites.

#### **ATM**

The Manzanita Lake Camper Store has an ATM.

#### THERMAL AREAS

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

#### **FISHING**

California fishing regulations apply to all areas within Lassen Volcanic National Park. 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.

A California fishing license is not required on two free fishing days: July 2 and September 3, 2011.

#### **FIREARMS**

All California firearm laws apply at Lassen Volcanic National Park. Firearms are not permitted within any federal building. Carrying or possessing a loaded firearm, including within a vehicle, without a valid concealed carry weapons permit from a recognized state of California agency is prohibited. Openly carrying or possessing a loaded firearm, on one's person or in a vehicle, is prohibited.

#### **GASOLINE**

Gasoline is available at the Manzanita Lake Camper Store. Gasoline may be purchased with a credit card 24 hours a day from May 25 to October 10. Note that there is no gas available within 30 miles of the southwest entrance.

#### **PHONES**

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

#### **SHOWERS AND LAUNDRY**

Coin-operated showers and laundry machines are available 24 hours a day at the Manzanita Lake Camper Store.

#### 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, and sunscreen.

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				

## Services, Facilities & Campgrounds

#### Campgrounds

#### First-Come, First-Served

All campgrounds, except for the group sites, 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**

You can reserve a site at all campgrounds with a "R" on the chart and you must reserve a site with "RR" on the chart. Reservable sites can fill up. For reservations call 1-877-444-6777 or visit http://www.recreation.gov.

#### **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.

#### Check-in & Check-out

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

#### **Ouiet Hours**

Each visitor deserves to hear the natural sounds of this beautiful environment. Respect this by complying with the law: generator operation prohibited 8 p.m. - 8 a.m.; quiet hours 10 p.m. - 6 a.m.

#### Stock Corrals

Stock corrals are available at Butte, Summit, and Juniper Lakes. Reservations are required: call (530) 595-6121.

#### **Manzanita Lake Cabins**

See services and facilities section to the right.

#### **Campfire Restrictions**

Gather only dead, down and detached wood. Open fires are restricted to metal fire rings only. Prevent wildfires; attend campfires at all times and ensure your campfire is out cold before you leave.

#### **Campsite Capacities**

A maximum of two vehicles are allowed at each campsite, except at designated group sites. A motorhome, tow vehicle, trailer, car or truck counts 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 Campground are restricted to tent camping only with a maximum of 15 persons per site.

#### **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.

#### **Discounts**

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

#### **Camping in Vehicles**

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

#### **Services and Facilities**

#### MANZANITA LAKE AREA

5900' (1798 m) elevation. One mile beyond the northwest park entrance.

#### **Loomis Museum**

Exhibits, park film, maps, and Lassen Association bookstore. Open 5/27 - 10/31, 9 a.m. - 5 p.m.

#### **Manzanita Lake Camper Store**

Supplies, gifts and food. Open 5/26 - 10/11, 8 a.m. - 8 p.m.

#### **Manzanita Lake Cabins**

1-room, 2-room and bunk cabins for \$57 or \$81. Available 5/27-10/9. For reservations call: 1-877-444-6777. Check-in at Camper Store. After hours call (530) 335-7557 or email manzanitalake@calparksco.com.

#### **SOUTHWEST AREA**

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

#### Kohm Yah-mah-nee Visitor Center

Exhibits, park film, maps, and Lassen Association bookstore. Visitor center summer hours (5/28 - 10/10) are 9 a.m. - 6 p.m. Lassen Café & Gift offers supplies, gifts and food from 5/26 to 10/11, 9 a.m. - 5 p.m.

#### WARNER VALLEY AREA

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

#### **Drakesbad Guest Ranch**

Lodging, restaurant, thermal heated pool, and horseback riding. Open 6/3 - 10/11, 9 a.m. - 5 p.m. For reservations call (530) 529-1512.

#### **Campground Information**

Campground	Elevation	# of Sites	Season (weather permitting)	Daily Fees	Features	Notes
Butte Lake	6100'	101	6/3 - 10/25	\$16	A, F, V, W, B, RV, G, R	rough gravel road, no water after 9/13
Crags	5700′	45	6/10 - 9/13	\$12	V, W, RV, G, N	
Juniper Lake	6800′	18	7/1 - 10/11	\$10	V, B, G, N	rough gravel road; trailers not advised
Manzanita Lake	5900′	179	5/27 - *	\$18	A, F, V, W, B, RV, S/L/S, DS, G, R	pull-through RV sites available
Summit Lake North	6700′	46	6/24 - 9/20	\$18	F, W, B, RV, G, R	
Summit Lake South	6700′	48	6/24 - 10/25	\$16	A, V, W, B, RV, G, R	no water after 9/20
Southwest Walk-In	6700′	20	year-round	\$14	F, V, W, N	
Warner Valley	5600′	18	6/3 - 10/25	\$14	V, W, RV, G, N	rough gravel road; trailers not advised
Butte Lake Group Sites	6100′	6	6/3 - 9/13	\$50	V, W, B, RV, G, RR	
Lost Creek Group Sites	5900′	8	6/10 - 9/27	\$50	V, W, RV, G, RR	closed 8/2 - 8/8
Juniper Lake Group Sites	6800′	2	7/1 - 10/11	\$30	V, B, G, RR	

<sup>\*</sup>Manzanita Lake campground will remain open until snow closure.

Accessible sites available Pay showers/laundry/services nearby A S/L/S RR Reservation required F Flush toilets **Dump station** N No reservable sites Partially reservable V Vault toilets G Generators allowed 8 AM - 8 PM R Potable water until Sept. 15 Boat launch RV RV sites available

## Ranger-led Programs

	0	0	-8-					
Time	Program	Sun	Mon	Tue	Wed	Thur	Fri	Sat
Manzanita I	Lake							
8:00a	Early Birds							•
9:30a	It's a Wildlife Neighborhood							
9:30a	Junior Rangers							
9:30a	Sense of Wonder					BUS.		
9:30a	Lakes and Ponds				•			
10:30a	Volcanoes!							
10:30a	Wildlife Connections							
10:30a	On the Wild Side							
11:30a	Junior Firefighters					•		
1:00p	Volcanoes!						T DIE	
1:00p-3:00p*	Discovery Center							
1:00p	Predator and Prey							
1:30p	Stories in Stone							
1:30p	Cougar: American Mountain Lion							
2:00p	Bear Necessities				10. 25			
2:30p	Pioneers							
8:00p/8:30p	Manzanita Lake Evening							
Kohm Yah-n	nah-nee Visitor Center							
9:00a	Coffee with a Ranger	•						
1:00p	Junior Rangers							
1:30p	On the Wild Side							
7:30p	Kohm Yah-mah-nee Evening							
Other Areas	in the Park							
10:00a	Inside a Volcano at Sulphur Works							•
1:00p	Inside a Volcano at Bumpass Hell*							Diece
7:00p/7:30p	Summit Lake Evening						•	1
9:00p	Starry Nights							

#### Ranger-led Program Descriptions

Programs run from June 17 to August 14, 2011, and are 45 minutes long unless otherwise noted. Program locations are noted in italics. Check bulletin boards for programs scheduled from August 15 to September 5, 2011.

#### **Bear Necessities**

Learn about black bears and how you can help them stay wild in Lassen Volcanic. *Outside Loomis Museum*.

#### Coffee with a Ranger

Join a park ranger for a casual talk on what is happening in the park, ask questions and get the latest updates about trails and park activities. Bring your own coffee, tea, or purchase at the visitor center café. Kohm Yah-mah-nee Visitor Center Café, 30 minutes.

#### Cougar: The American Mountain Lion

The majestic member of the cat family personifies strength, grace, mystery, and the wilderness spirit. Join a park ranger and discover little known secrets about the cougar and its lifestyles. *Outside Loomis Museum*.

#### **Discovery Center**

#### \*Open for drop-in 1:00 p.m. to 3:00 p.m.

Check out the exhibits and join a park ranger for ongoing short programs and demonstrations on various natural history subjects. Inquire at the Loomis Museum for directions to the *Discovery Center*.

#### **Early Birds**

Take an easy walk and discover the birds of Manzanita Lake. *Camper Store*, *one hour*.

#### Inside a Volcano at Sulphur Works

Mudpots, fumaroles, and boiling pools... Such features remind us that our planet is alive and

constantly changing. Join a ranger and discover what drives Sulphur Works and learn about the secrets that make each of its features unique. *Sulphur Works*, *30 minutes*.

#### Inside a Volcano at Bumpass Hell

\*Offered only between July 16 and August 16 Mudpots, fumaroles, and boiling pools... Such features remind us that our planet is alive and constantly changing. Join a ranger and learn about the secrets that make each of Bumpass Hell's features unique. Allow a 45 minute hike to the boardwalk from the trailhead. Bumpass Hell boardwalk, 30 minutes.

#### It's a Wildlife Neighborhood

Join a park ranger for a casual walk on the Manzanita Lake trail and learn about the many species of birds and mammals that call Manzanita Lake their home. Outside the Manzanita Lake Camper Store, 90 minutes.

#### **Junior Firefighters**

If you are seven to 12 years old, you can discover wildfire's role in our national parks and become a junior firefighter. *Outside Loomis Museum*.

#### **Junior Rangers**

If you are seven to 12 years old, you can become a junior ranger by joining in this fun adventure. Learn about the park through games and outdoor activities. *Manzanita Lake amphitheater*, two hours or Kohm Yah-mah-nee amphitheater, one hour.



#### Kohm Yah-mah-nee Evening Program

Join a park ranger for an evening program about the park's natural or cultural history. *Kohm Yah-mah-nee amphitheater*.

#### **Lakes and Ponds**

Join a park ranger for a casual walk to explore the hidden wonders of a lake and two ponds. Outside Loomis Museum, one hour.

#### **Manzanita Lake Evening Program**

June, July - 8:30 pm, August - 8:00 pm Join a park ranger for an evening program about the park's natural or cultural history. Manzanita Lake amphitheater.

#### On the Wild Side

Discover some of the "wilder sides" of the park during this program. Topics vary from the natural to the cultural history of the park. Kohm Yah-mah-nee patio or outside the Loomis Museum, 30 minutes.

#### **Pioneers**

It's 1853 along the wagon road called the Nobles' Emigrant Trail. You will visit a pioneer camp and meet some rugged travelers who tell stories about their journey to California. *Manzanita Lake amphitheater*.

#### **Predator and Prey the Biodiversity Way**

Learn about predator and prey animals in the park and hear stories about their amazing connections in the web of life. *Outside Loomis Museum*.

#### **Sense of Wonder**

A special program for young children ages four to six. Emphasis on outdoor activities that promote nature awareness through the use of the senses. Parents are welcome but not required to attend. *Manzanita Lake Camper Store*, 90 minutes.

#### **Starry Nights**

Join a park ranger for a program on stars, planets, and constellations. Hear stories and learn to locate objects in the sky. *Devastated Area parking area*.

#### **Stories in Stone**

Learn about the fascinating stories in stone that can be seen from the Manzanita Lake area. Examine the rocks that have shaped the volcanic landscape. *Outside Loomis Museum*.

#### **Summit Lake Evening Program**

July at 7:30 p.m., August at 7:00 p.m. Join a park ranger for a lively program about the natural or cultural history of the park. Summit Lake amphitheater.

#### Volcanoes!

Did you know that every mountain in the park is a volcano or part of one? Learn about the geology and volcanic history of the park through this interesting program. *Outside Loomis Museum*.

#### **Wildlife Connections**

Learn about the park's wildlife and hear stories about their amazing lifestyles. *Outside Loomis Museum*.

## Kids in Parks

#### Learn and Play!

Lassen Volcanic National Park is a wonderful place where you and your children can discover and experience the natural world. Get outside and explore some of the park's 150 miles of trails. Climb up a volcano or take an unforgettable hike to Bumpass Hell, where the boardwalk winds through steaming fumaroles and bubbling mudpots. Lakes, streams, and flower-filled meadows provide beautiful learning experiences for children of all ages and abilities. You can observe waterfowl and songbirds during a quiet stroll around scenic Manzanita Lake. Visit the Devastated Area interpretive trail and become a volcanologist looking for clues to solve the mysteries of Lassen Peak's eruption. Time spent in the park and outdoors is stimulating and provides physical, psychological, and social benefits to children and their families.

The park offers a variety of scheduled ranger-led programs and activities to connect children with nature. These programs provide fun and challenging ways to learn and discover the area in a beautiful outdoor setting. Experience the wonders of a star-filled night sky at the Starry Nights program, or step back in time to 1853 along the Nobles' Emigrant Trail at the Pioneers program. Become a junior



Kids participate in a volcano program

ranger and explore the forest with handson activities geared to children ages seven to 12. Young children, ages four to six, can learn about wildlife using all of their senses in the *Sense of Wonder* program.

Getting children involved and immersed in the park is especially important for our national parks. Today's youth are the future stewards of our treasured parks. Kids engaged in outdoor park activities build important connections that lead to lifelong appreciation of *America's Best Idea*. So get outside and experience your park by taking the junior ranger pledge to explore, learn, and protect Lassen Volcanic National Park.

#### Play Right, Eat Right

The Let's Move Outside campaign and FitKid program offer kids a fun way to start making healthy choices at an early age. The Let's Move Outside campaign was created to get kids and their families to take advantage of America's great outdoors. Kids who participate in healthy recreation in the park can show their commitment to fitness with a Let's Move Outside sticker.

The FitKid program is offered by Lassen Volcanic's concessions partner, California Guest Services. Kids can obtain a FitKid card at concession locations throughout the park to begin earning stickers for making FitKid choices such as eating a healthy snack or going for a hike.

#### Join the Club!

Junior Park Rangers
Kids between the ages of seven
and 12 are invited to participate
in our Junior Park 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
patch and badge!

#### **Green Junior Rangers**

Junior Rangers, this is your chance to go green! The Green Junior Ranger program encourages kids to think and act beyond the park, "thinking globally and acting locally." Kids will learn Green Ranger reduce, reuse, and recycle tips that they can practice every day as part of being green. Kids who complete the Green Junior Ranger activity card earn a patch and certificate.

#### Chipmunk Club

Our youngest explorers are welcome to participate in the Lassen Volcanic National Park Chipmunk Club. Kids can learn more about wildlife in the park and earn a Chipmunk Club sticker.

Include a fitness component and you can earn a *Let's Move Outside* sticker and stickers for your FitKid card!

#### Youth Discover Lassen at Crags

The simple act of experiencing the beauty of a national park through activities such as camping and hiking often has a life-altering impact on young people. While many children are fortunate enough to enjoy an occasional or even annual trip to Lassen Volcanic, a number of children have yet to experience all that the park has to offer.



Youth camp participants at Summit Lake

To provide an opportunity for those less fortunate, the Lassen Park Foundation provides annual grants to non-profit groups that provide youth camping trips to the Crags Group Campground at Lassen Volcanic National Park.

In this economy, travel and recreation are a luxury for many families. As schools suffer from lack of funding and social programs for urban youth, foster care, and mentoring receive less financial support, it is increasingly important to provide the children in these schools and programs with outdoor experiences. Many visitors are fortunate enough to enjoy the immediate feeling of relaxation and calm once the cell phone and computer have been replaced with hiking boots and a backpack. The Lassen Park Foundation strives to provide less fortunate children with the same opportunity to escape their daily lives and discover the peace and beauty of their national park.

For more information on the Lassen Park Foundation youth camping grants please visit http://www.lassenparkfoundation.org.

# C.UDDY MIGON

#### **Explore Lassen with Buddy Bison!**

Fuzzy, brown and ready for adventure, Buddy Bison™ wants to explore America's national parks with you. Where's Buddy Bison Been?® inspires kids, families, schools, and groups to get outside and share their American park experience.

Don't roam alone! Bring Buddy Bison and your adventure booklet along with you as you explore Lassen. Take photos and share where your Buddy Bison has been. You can purchase Buddy Bison at Lassen Association Educational Bookstores or print him out at http://www.buddybison.org. Congratulations
Junior Rangers!



15% off

All merchandise including ranger gear

Discount good at Lassen Association Educational Bookstores located in the Loomis Museum and Kohm Yah-mah-nee Visitor Center. Present your Junior Ranger patch to receive the discount.

## **Hiking Trails**

#### **EASY TRAILS**

#### **Devastated Area**

Start: Devastated Area parking area, 10 miles south of Loomis Museum.

Length: 0.5 miles (0.8 km) loop trail

Elevation Gain: None Time: 30 minutes

Easy walk along a paved trail.
Interpretive exhibits highlight the eruption of Lassen Peak with great views along the entire trail. Accessible to wheelchairs.

#### Manzanita Lake

**Start:** Pick up the trail from the Loomis Museum or Manzanita Campground. **Length:** 1.8 miles (2.9 km) loop trail

Elevation Gain: None Time: 1 hour

Easy walk around the lake. Keep your eyes and ears alert; birds, trout, wildflowers, and wildlife can frequent the lake shore. Trail can be rocky at times. Enjoy catch and release fishing with excellent mountain views.



View of Lassen Peak from Manzanita Lake

#### **MODERATE TRAILS**

#### **Bumpass Hell**

Start: 23 miles south of Loomis and 6 miles from southwest entrance Length: 3 miles (4.8 km) round trip Elevation Gain: 300 feet (91 meters)

Time: 2 hours

Moderate hike over rocky terrain with grand vistas. The trail drops into an active hydrothermal basin where you can view mudpots and fumaroles. For your safety, please stay on the boardwalk.

#### **Kings Creek Falls**

Start: 17 miles south of Loomis Museum and 13 miles from southwest entrance Length: 3 miles (4.8 km) round trip Elevation Gain: 700 feet (213 meters)

#### Time: 2 hours

Moderate hike over rocky terrain and small rock formations. Trail forks at end of meadow. The horse trail (north fork) is less strenuous. Waterfalls and wildflowers are spectacular in late spring.

#### **MODERATELY STRENUOUS TRAILS**



Cinder Cone trail

#### **Cinder Cone**

**Start:** The trail begins near the Butte Lake boat ramp.

**Length:** 4 miles (6.4 km) round trip **Elevation Gain:** 700 feet (213 meters)

Time: 3 hours

Hike begins along Fantastic Lava Beds, opens up with views of the Painted Dunes, and becomes steep with a loose cinder base during the summit climb. Hike inside a crater on the summit.

#### Terrace, Shadow and Cliff Lakes

**Start:** 19 miles south of Loomis Museum and 10 miles from the southwest entrance. **Length:** 3.5 miles (5.6 km) round trip **Elevation Gain:** 550 feet (168 meters) **Time:** 3 hours

Hike takes you alongside three mountain lakes: Terrace, Shadow, and Cliff lakes. The trail is steep between lakes, but mostly flat otherwise.

#### STRENUOUS TRAILS

#### **Brokeoff Mountain**

**Start:** 29 miles south of Loomis and 1 mile before the southwest entrance.

**Length:** 7 miles (11.25 km) round trip **Elevation Gain:** 2600 feet (792 meters)

Time: 4 to 5 hours

Steep trail and tricky early season stream crossings give way to panoramic views of the entire park, the Sacramento Valley, and Mount Shasta. Wildflowers are abundant in late spring.

## \*

#### Are You Ready to Hike?

Many hiking trails in Lassen Volcanic are in hydrothermal areas, at high elevation, or are snow covered for up to nine months of the year. As a day hiker, no permits are required. You are entirely on your own, and cell phones may not work in the park. Keep yourself safe and help us protect this special place by following a few guidelines:

- Be careful of footing on hiking on any snow covered trail. Wear proper footwear and use trekking poles to help maintain balance.
- Be prepared for sudden changes in weather. Check the weather forecast before you head out. Climb peaks and ridges early in the morning. Head for lower elevation during lightning activity.
- Protect yourself against the elements.
   Wear sturdy boots, dress in layers, and wear sunscreen.
- Be aware that you are hiking at high elevations. Carry plenty of water, take breaks often, and do not exceed your abilities.
- Finish hikes before sunset. Sunset times are earlier in areas shadowed by mountains. Always carry a flashlight with spare batteries and warm clothing in case of unexpected delays.
- Do not bring pets on trails. Pets are allowed only in paved areas such as campgrounds and the park road.
- Leave all rocks, plants, animals, and artifacts undisturbed for the enjoyment of future users.

#### **Thermal Area Danger**

For your safety, stay on established trails and boardwalks. Ground in thermal areas can look solid but may actually be a thin crust hiding pools of acidic boiling water. Traveling off trail in thermal areas may result in severe injury.



Steam vents can reach up to 320° F (160° C)

#### Reach the Peak

The Reach the Peak project is a multiyear effort to restore and rehabilitate the Lassen Peak trail. The project will work to maintain the character of the trail while taking steps to improve the visitor experience and accommodate its increasing popularity and use.



Park trail crew at work on the Lassen Peak trail

The first year of the project involved preparing and placing materials for trail work. This included quarrying, washing and transporting 2.4 million pounds of stone to the Lassen Peak parking area. In order to place the stone building materials along the trail, the project team effected the largest helicopter flight operation in park history. Once materials were in place, the California Conservation Corps and park trail crew were able to restore the largest step section of the trail and construct five support walls.

This summer, the park will continue the multi-year Reach the Peak project. Because of this, access to Lassen Peak will be limited

or closed as necessary. The trail will be closed at "Grandview," approximately 1.3 miles from the peak parking area. To provide limited access to the summit, the trail will be open to the summit on the following dates only\*:

1 FRI	2 SAT	3 SUN	4 MON
		3	# L ( d. ) #
<b>AUGUS</b>	_	1	
<b>13</b> SAT	<b>14</b> SUN	August 13 Full Moon	
SEPTEM	BER		

\*Unforseen circumstances could result in the closure of the Lassen Peak trail at anytime, including these dates.

#### **Wilderness Camping**

#### Permits required

A free wilderness permit is required for overnight camping in Lassen Volcanic's backcountry wilderness. You are limited to a maximum of 10 people per permit per site; up to 20 people may hike together. 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 Summit Lake, Juniper Lake, Butte Lake, and Warner Valley Ranger Stations. Permits are also available in advance through our website or by phone at (530) 595-4480.

Campsites

Camp at least 300' from other groups, 100' from streams and lakes, and at least 1/2 mile from any developed area. Camping is prohibited within 1/4 mile, and/or within sight of the same, from ANY hydrothermal feature as well as the following: Cascade Springs, Kings Creek Falls, Cinder Cone, Painted Dunes, Lassen Peak, Cliff Lake, Little Willow Lake, Crags Lake, Mt. Harkness Summit, Crumbaugh Lake, Hat Creek Cabin, Echo Lake, trail from Summit Lake to Echo Lake, and the Upper and Lower Kings Creek Meadows.

Campfires

Campfires are not allowed anywhere in the backcountry.

**Food Storage** 

To protect wildlife, food and other scented items must be strung off the ground or stored in a bear resistant containers.

Canisters are recommended, however they are not available within the park, so please bring your own. Rope of length 55 feet or more is recommended for counter balance hanging. Please see a ranger for more information on hanging your scented items.

#### Lassen Edventures

Take your national park experience to a new level. The Lassen Association offers a variety of educational experiences. *Edventures* (educational adventures) are a great way to connect with others and the park while building skills and memories.

This summer, the Lassen Association is excited to offer a variety of activities including:

- · Night sky viewing: stars and planets
- · Watercolor painting in nature
- · Digital photography: art-science fusion
- · Journaling: painting and sketching
- Kayaking: introduction to sport and natural environment

For program information and registration please visit www.lassenassociation.org or call (530) 529-3450.



Kayakers at Manzanita Lake

## Other Ways to Explore

#### Climb Another Volcano

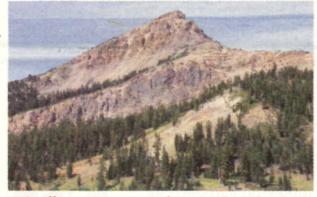
While access to the Lassen Peak summit is limited this summer, we invite you to discover one of the many other equally exciting volcanoes in the park.



Cinder Cone with Butte Lake, Painted Dunes, and Fantastic Lava Beds in the background.

#### **Cinder Cone Trail**

Lassen Peak, Chaos Crags, Mount Harkness, and Prospect Peak are a few of the volcanoes that fill the panoramic view from atop Cinder Cone. The trail travels alongside Butte Lake and the Fantastic Lava Beds, giving way to colorful views of the Painted Dunes at the base of the cone. Be prepared for the loose cinder base that forms the trail, sturdy boots are recommended. This moderately strenuous trail is 4 miles (6.4km) round trip, gains 846 feet (258m) and is located in the Butte Lake area.



Brokeoff Mountain as seen from a pullout along the main park road

#### **Brokeoff Mountain**

At a summit elevation of 9,235 feet (2815m), the trail climbs to the second highest point in the park. The panoramic view showcases the entire park, the Sacramento Valley, and Mount Shasta. The trail passes through forests and meadows, past dramatic wildflower displays, over rocky lava flows, and into the alpine environment. Brokeoff Mountain is part of the eroded rim of the ancient Brokeoff Volcano. See if you can imagine it on the summit. This strenuous trail is 7.4 miles (12km) round trip, gains 2,600 feet (792m) and is located 1/4 mile south of the Southwest entrance station.



View from Mount Harkness trail with Lassen Peak and Chaos Crags in the background

#### **Mount Harkness Trail**

The summit of the shield volcano has sweeping views of most of the park, a dramatic view of Lassen Peak, and views of Lake Almanor and Mount Shasta. A historic fire lookout is staffed during the summer and fall. Be sure to stop in and sign the logbook. Be sure to bring plenty of water, there is none available in the Juniper Lake area. This moderately strenuous trail is 3.8 miles (6km) round trip, gains 1,246 feet (380m) and is located in the Juniper Lake area.

#### Get Outside Faster with an Adventure Pack

Have you ever headed out on a hike only to remember one mile in that you forgot your water bottle, or left behind snacks for the kids? Preparation can be the deciding factor between a good trip and a bad one. To ease the work of preparing for an adventure, consider putting together an adventure pack.

The idea is simple, keep a backpack filled with most everything you need for an outdoor adventure that is ready to go when you are. Similar to an emergency preparedness kit, your adventure pack helps to ensure the you are prepared whenever adventure calls. To put together your own adventure pack begin by selecting a sturdy backpack that can hold enough supplies for you and your family or friends. As you are adding items, be sure to include only non-perishable items (perishables may be added before you head out). Consider including recyclable or reusable items to make your pack 'green' and keep in mind that healthy snack choices contribute to a fun fitness



Hikers carry their adventure packs up the Brokeoff Mountain trail

experience. Here are some example items for a summer adventure pack:

- Reusable water bottle(s)
- · Granola or energy bars
- · Trail mix, dried fruits or nuts
- · First aid kit
- Sunscreen and lip balm
- Hat and/or sunglasses
- Extra layers for warmth
- Map and compassMatches
- Headlamp or flashlight
- Multi-use tool or knife

## Where does my money go?

Lassen Volcanic National Park is one of about 150 National Park Service sites that charge an entrance fee through the Federal Lands Recreation Act (FLREA). Managing public lands requires a major financial investment. While most of that investment comes from general tax revenues, those who directly use public lands for recreation derive a greater benefit from, and place a greater burden on, resources and facilities than the public at large. Applying use fees to projects at the area where they were collected assures that actual users pay an increased share of operational costs. Eighty percent of the fees collected at Lassen are returned to the park for specific projects. We encourage you to participate in recreational activities that will enhance your visit and create memories.

#### **ENTRANCE FEES**

1-7 Day Vehicle Fee - \$10

Valid for single, private, non-commercial vehicles such as passenger cars, pickup trucks, RVs, vans, and converted buses. Valid for the day of purchase and the next 6 days.

1-7 Day Individual Fee - \$5

Per-person fee for individuals 16 years of age or older when entering by means other than a single, private, non-commercial vehicle such as motorcycles, bicycles, taxis and limousines providing transportation only. A family traveling together shall pay no more than the vehicle fee. Valid for the day of purchase and the next six days.



2011 Interagency Annual Pass

#### **PASSES**

Lassen Annual Pass - \$25

This pass is available to anyone and is valid for one full year from month of purchase. Covers entrance fees at Lassen Volcanic National Park and Whiskeytown National Recreation Area. Lassen Annual Passes can be obtained at park entrance stations, by mail, or online at www.pay.gov. To order by mail, call (530) 595-6121 or write to Lassen Volcanic National Park, Fee Office, PO Box 100, Mineral, CA 96063.

#### **Interagency Annual Pass - \$80**

This pass is available to anyone and is valid for one full year from the month of purchase. It can be obtained at park entrance stations, by calling 1-888-ASK-USGS, ext. 1, or via the Internet at www. store.usgs.gov/pass.

**Interagency Senior Pass - \$10** 

This is a lifetime pass for U.S. citizens and permanent residents age 62 and over. The Senior Pass also provides a 50-percent discount on some expanded amenity fees charged for facilities and services, such as camping, swimming, boat launch, and specialized interpretive services. In some areas where expanded amenity fees are charged, only the pass holder will be given the 50-percent price reduction. The Senior Pass can be obtained at park entrance stations, or by mail-order through www. store.usgs.gov/pass/senior (requires a \$10 document handling fee).

Interagency Access Pass - free

This is a lifetime pass for U.S. citizens and permanent residents with a permanent physical, mental, or sensory impairment that severely limits one or more major life activities. The Access Pass also provides a 50-percent discount on some expanded amenity fees charged for facilities and services, such as camping, swimming, boat launch, and specialized interpretive services. In some areas where expanded amenity fees are charged, only the pass holder will be given the 50-percent price reduction. The Access Pass can be obtained at park entrance stations, or by mail-order through www.store.usgs.gov/pass/access (requires a \$10 document handling fee).

#### YOUR FEE DOLLARS AT WORK

Lassen Volcanic National Park is a participant in the Interagency Recreational Fee Program. The program authorizes participating parks to keep up to 100% of the fees collected. These funds have been, and will continue to be, used for maintenance, repair projects, public service programs, signage, and natural and historical resource preservation. The remaining revenue is generally distributed to parks that do not collect fees, but have similar needs, and to fund other servicewide initiatives.

#### Find a Frog

At about two inches in length, the Cascade frog is not the easiest wildlife to spot. In the last few



decades, the Cascade frog © Harry Greene number of Cascade frogs found within Lassen Volcanic National Park has declined dramatically. A single frog in the Juniper Lake area was the last seen in the park over a year ago. In the 1920s Joseph Grinnell reported "one frog for nearly every yard around the lake" at Emerald Lake. Now Emerald Lake is devoid of this species.

It is not known why this species has declined within Lassen Volcanic National Park. To research the cause for the decline it is necessary to first locate Cascade frogs within the park. That is where you, as a citizen scientist, can help.

Lassen Volcanic needs your help documenting Cascade frog sightings within the park. Cascade frogs are often found in wet areas such as lakes, ponds, meadows, and streams. They may be identified by a white stripe that runs across the mouth, a defined ridge on either side of the back, and defined black spots on the back and legs. The more common Pacific tree frog can also have black spots but has a noticeable black stripe running through the eye which is not seen in the Cascade frog. Western toads have the typical "warts" (not found on true frogs) on their body as well as a white stripe running down the back which is not found on the Cascade frog.

If you observe a frog that might be a Cascade frog please note the location, date, time, animal's behavior (what it was doing), and give a detailed description of the frog. A picture is worth a thousand words; if a picture can be taken, please do so. Please try not to handle any frogs. Frogs have very fragile skin and handling them can damage the skin and introduce toxins into their system.

Observation forms for any wildlife sighting may be obtained or dropped off at entrance stations, visitor centers, and Drakesbad Guest Ranch. For information on reporting wildlife sightings or to share photos, please contact the park wildlife biologist Mike Magnuson at michael\_magnuson@nps.gov or (530) 595-6184.

#### **Photo Contest**

Each year thousands of magnificent pictures are taken in Lassen Volcanic National Park. If you have one of those great shots this is your chance for a year of fame. The Lassen Volcanic Annual Park Pass Photo Contest will run May 1 through September 9, 2011. The winner's photo will be featured on the 2012 Lassen Volcanic Annual Park Pass. The winning photographer will also receive a Lassen Association \$50 gift certificate.

The contest is open to the general public, park employees, volunteers and their families. Photos should be mailed to Lassen Volcanic National Park, Attn: Fee Office, P.O. Box 100, Mineral, California 96063-0100 or dropped off in person at the park. Call (530) 595-6120 for more information. For each photo submitted, list your name, address, phone number, subject and location.

- Photos must be no larger than 5" x 7" and printed on photo quality paper.
- · Limit of two photos per household.
- Entries must be received by the park fee office no later than 5:00 p.m. on Sept. 9, 2011.
- · Photos will not be returned and will become property of the National Park Service.



Newly Fallen Snow by Michael Rubin, winner of the 2011 Annual Pass Contest

### **Park Partners**



The Lassen Association is a non-profit partner that supports and assists Lassen Volcanic National Park in research, interpretation, and conservation programs. Lassen Association promotes the discovery of Lassen Volcanic National Park, enriches the experience of visitors, and supports the preservation and protection of the park for future generations.

We provide books, maps, trail guides and videos about the natural and cultural history of Lassen Volcanic National Park. Additionally, we offer a large selection of educational gift merchandise to enhance your park experience and memories to take home.

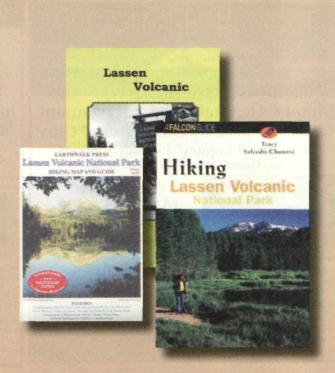
Become a member today!

Membership is one of the best investments you can make to preserve and enhance our national parks and monuments for future generations to enjoy and promote the advancement of education and research. All members donating at the \$20 level or more receive:

- 10% discount on all our merchandise
- Discounts at participating national park cooperating association bookstores
- A copy of Peak Experiences, the biannual park newspaper
- The knowledge and satisfaction that you are supporting the cultural and historical preservation of a national treasure!

Your Funds Provide:

- Support of park interpretive programs
- Support of research
- Support of education
- Printing of complimentary Park newspaper
- Printing of educational and interpretive media



Park publications are available at the Kohm Yahmah-nee Visitor Center, Loomis Museum or online at www.lassenassociation.org

For information on how to join our mission visit our online membership program at www.lassenassociation.org. Or contact us directly at (530) 529-3450 or lassenassociation@yahoo.com.

## Make a pifference!

hek Preser v. rassen P a r.

Vi tors who hiked o'r the trail created this scar.

Lassen Peak's volcanic ash so is are fragile—the large screvidence of damage caused by careless use

We are rehabilitating this area and want to prevent future erosion. Native soil has been brought in and held in place with jute mesh that will decompose in a few years.

The native plant life will eventually return to the site.

Healing will take many years.

Please cooperate in the rehabilitation by:

-Not hiking on this scar.

-Remaining on the maintained trail at all times to prevent other

Thank you for Vour cooperation.

Lassen Volcanic National Park





With generous contributions from Park visitors, the Lassen Park Foundation has helped support:

- Restoration of Lassen Peak Trail
- Lassen Crossroads Information Center
- Scientific research on bats and songbirds
- Camping trips for disadvantaged youth
- Winter snowshoe educational program
- The Park's new Kohm Yah-mah-nee Visitor Center.



Join us today!

Please become a Friend of Lassen by contributing to the Lassen Park Foundation! Your donation is tax-deductible. Please make checks payable to Lassen Park Foundation.

To learn more visit www.lassenparkfoundation.org or email info@lassenparkfoundation.org, Lassen Park Foundation, P.O. Box 3155, Chico, CA 95927-3155, Phone (580) 898-9309.

## **Nearby Businesses**

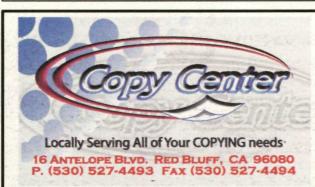
South of Park, Highway 36: Red Bluff, Mineral and Mill Creek





Propane \*Laundromat Located 9 miles from Lassen Volcanic National Park's Southwest Entrance on Highway 36 E. in Mineral, CA 96063

> Online Reservations www.volcanocountry.com





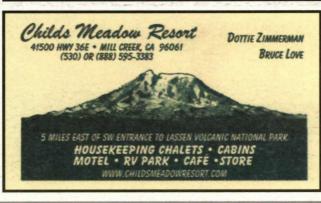


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South of Park, Highway 36: Chester and Lake Almanor



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SPRING AND FALL SPECIALS

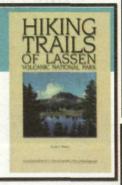




#### In the Park

HIKING TRAILS OF LASSEN **VOLCANIC NATIONAL PARK** by George P. Perkins

This color guide covers day and overnight hikes on all 150 miles of trails within the park. Available in the park, Chester, Mineral and at Amazon.com. \$19.95



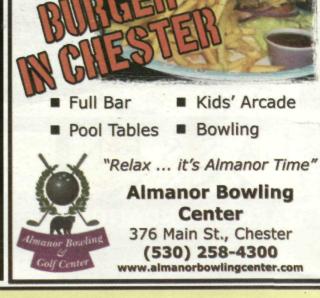


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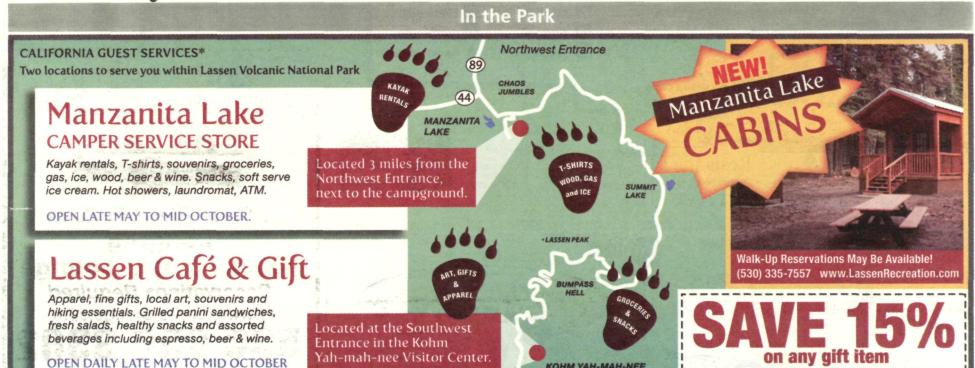
Art & Wine of Lassen

Saturday, September 24, 2011 • 11 am - 5 pm

Featuring free local wine tasting and hors d'oeurves; art exhibits; demonstrations; and live music at the Kohm Yah-mah-nee Visitor Center.

This event is provided by California Guest Services, an authorized concessioner of the National Park Service.

## **Nearby Businesses**



North of Park, Highway 44: Shingletown, Old Station and Hat Creek

(89)

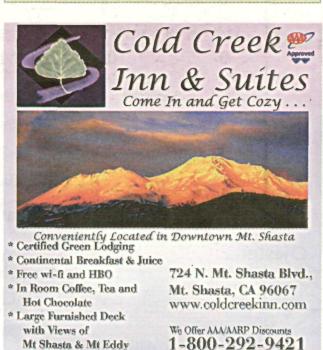


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North of Park, Highway 89/I-5: Burney and Mount Shasta





1-530-926-9851

\* All Non-Smoking Rooms

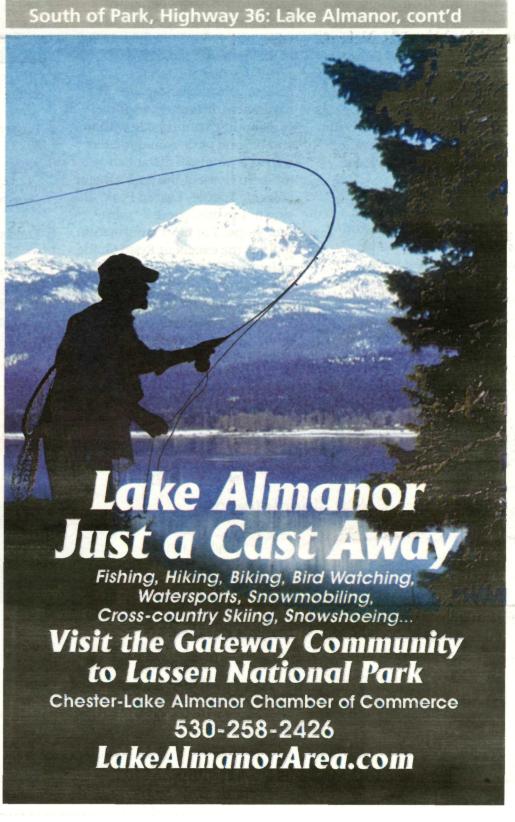
\* Fridges, microwaves

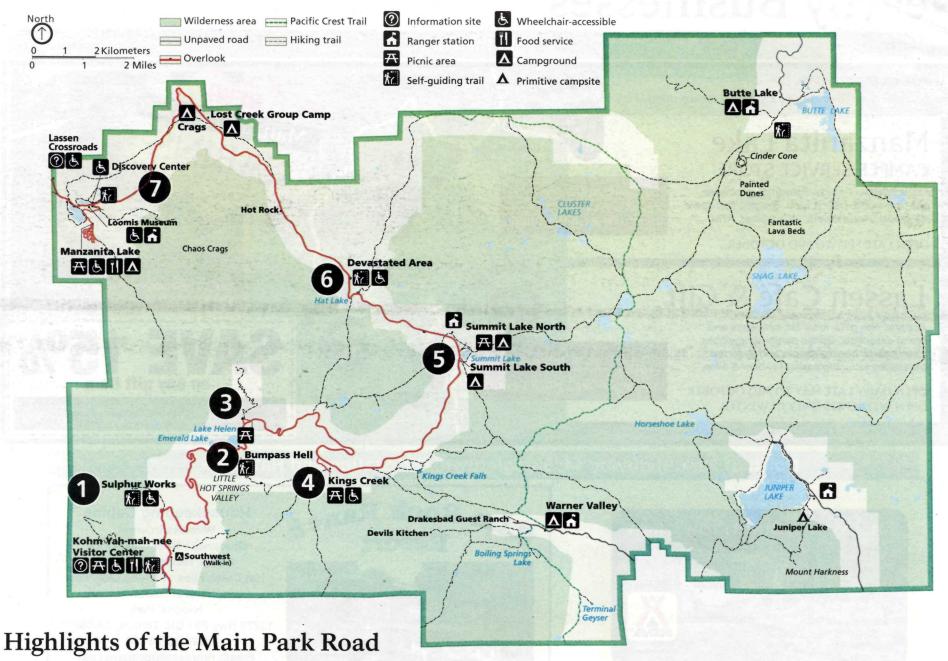


Valid for 15% off one gift item at Manzanita Lake Camper Service Store or Lassen Café & Gift. Must present coupon. Expires 12/31/11

ISITOR CENTER

Southwest Entrance





If you are like most visitors to Lassen Volcanic National Park you will drive on the Main Park Road during your visit. The Main Park Road extends over 29 miles between the southwest and northwest entrances. From the Southwest Entrance (elevation 6,646 feet) the road climbs to an elevation of 8,512 feet at its summit near Lassen Peak, and descends towards the Northwest Entrance (elevation 5,808 feet) near Manzanita Lake.

The road traverses active hydrothermal areas, sub-alpine forests, mountain meadows, and lava fields. It was designed to display the park's most scenic and geologically interesting areas. Roadside amenities, including scenic pullouts, trailhead parking areas, and roadside markers were designed and

located to enhance the motorists' experience, to allow hikers access to the park's extensive backcountry trail system, and to add to the visitor's understanding of the dramatic geological processes that created the diverse volcanic landscape. The road offers distant views of the surrounding countryside within and beyond park boundaries, as well as a variety of distant and intimate views of the park's major volcanic feature, Lassen Peak. Be sure not to miss these 7 "mustsee" stops. For more information, pick up the excellent Road Guide to Lassen Volcanic National Park (\$5.95 at the Loomis Museum or Kohm Yah-mah-nee Visitor Center).

- 1 Sulphur Works: An active hydrothermal area.
- 2 Bumpass Hell Overlook: Although you can't see Bumpass Hell, the views from this overlook located at the end of the parking area can't be beat. The spaceship looking device behind the hemlocks is a key part of Earthscope's Plate Boundary Observatory Project. Very accurate GPS receivers like this one are measuring the movement of the plates on the Earth's crust. Visit www.earthscope.org to read more.
- 3 Lassen Peak parking area and viewpoint.
- 4 Kings Creek Meadow scenic pull-out.
- 5 North Summit Lake picnic area and loop trail.
- 6 Devastated Area scenic viewpoint and interpretive trail.
- 7 Chaos Crags and Jumbles scenic pull-out. Look for this pull-out on the north side of the road about one half mile after you emerge from the forest. Located within the Chaos Jumbles, this pull-out has dramatic views of Chaos Crags.

Lassen Volcanic National Park Area Map

