



Peak Experiences

May - November 2010
The official visitor guide to
Lassen Volcanic National Park



Reach the Peak

What does climbing Lassen Peak mean to you? For some it is a once in a lifetime experience. For others it is a tradition spanning generations. Some choose to reach the peak in solitude through a technical multi-day winter excursion, while others prefer the 2.5 mile maintained summer trail. No matter what type of experience you are looking for, or what the experience means to you, you are participating in one of the most popular activities in the park. Lassen Peak has become a household name, and people travel from across the country and the world to climb to the top of one of the world's largest plug dome volcanoes.

Lassen Peak hosted a dramatic increase in visitors following the 1914-1915 eruptions and the creation of Lassen Volcanic National Park in 1916. Quickly, the need for an official trail to access the peak became evident. Established along an old foot and horse trail, the Lassen Peak Trail opened in 1932 and was used by an estimated 6,750 people that year alone. Over the years that number has swelled to nearly 22,000 per year. This dramatic rise in use of the trail has led to the recurring challenge of how to maintain the trail while preserving the same variety of sought after visitor experiences.

Lassen Peak rises 2,000 feet above the surrounding landscape to reach an elevation of 10,457 feet. As dramatic and powerful as this volcano appears, every day the unrelenting forces of nature work to crumble the weak volcanic rock. Freezing and thawing, wind, sun, melt waters, and rain erode and weather the peak, slowly turning the dacite volcanic rock into loose talus and soil.

The trail is built on top of this loose talus and soil. In addition to the powerful forces of nature, humans speed up the erosion process. When hikers cut switchbacks to avoid seasonal snow patches or to hasten their ascent/descent, the paths they create transform the mountain and can impact the stability of the trail. The erosion effects of mother nature and human activity add to the challenge of maintaining the trail while preserving the experience that visitors (Continued on page 8)



Lassen Association

This newspaper is made possible by a donation from the Lassen Association.
www.lassenassociation.org

Welcome

Nearly seventy-five percent of Lassen Volcanic National Park includes designated wilderness, known as the Lassen Volcanic Wilderness. What does this mean to you?



Superintendent Darlene Koontz

The Wilderness Act of 1964 defined wilderness as, "... an area where the earth and community of life are untrammelled by man, where man himself is a visitor who does not remain." As the people of America continue to expand the cities, towns, and farms that make up the Nation, this country is slowly losing one of its greatest resources: wild lands.

At one time, people traveled to the American West searching for the frontier experience. They were welcomed with plains trampled only by the millions of bison whose herds rolled over the hills. They were greeted with forests of towering Redwoods, and outnumbered in the valleys and mountains by the great grizzly bears. Their stories reached the populations of the East, and soon people were heading west; searching for the great American wilderness experience.

Now that Americans have developed the country from sea to sea, these areas of primal forest are in danger of disappearing, and the experiences that defined the American Frontier with them. The future (Continued on page 9)

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National Park Service
U.S. Department of the Interior

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

Welcome to Lassen Volcanic National Park



National Park Service
U.S. Department
of the Interior



Contact Information

Kohm Yah-mah-nee Visitor Center

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

Loomis Museum

Phone: (530) 595-4444 x5180 (summer only)
Fax: (530) 335-7085

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

Park Profile

Lassen Volcanic National Park was first established as Cinder Cone and Lassen Peak National Monuments in 1907. Lassen Volcanic became a national park in 1916 because of its significance as an active volcanic landscape.

Lassen Peak began erupting in 1914, had its most spectacular activity in 1915, and experienced minor activity until 1917. All four types of volcanoes in the world plus active hydrothermal areas are found in the park's 106,000 acres. Lassen Peak is one of the largest plug dome volcanoes in the world. It is considered to be active today.

Elevations above sea level -

- Manzanita Lake: 5,900 feet (1,798 meters)
- Lassen Peak: 10,457 feet (3,187 meters)
- Butte Lake: 6,100 feet (1,859 meters)
- Warner Valley: 5,600 feet (1,707 meters)
- Juniper Lake: 6,800 feet (2,073 meters)
- Kohm Yah-mah-nee Visitor Center: 6,700 feet (2,042 meters)
- Road's Summit: 8,512 feet (2,595 meters)

Fees and Passes 2010: Invest In Your Park

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. 80% 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, converted buses. Valid for the day of purchase and the next 6 days.

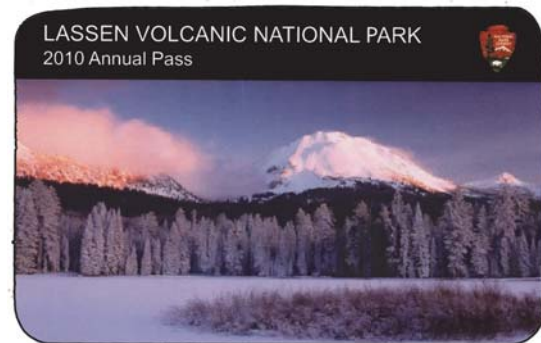
1-7 Day Individual Fee \$5

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.

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. It can be obtained at park Entrance Stations. To order by mail, call (530) 595-4444 x 5184 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% 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% price reduction. The Senior Pass can only be obtained in person.



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% 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% price reduction. The Access Pass can only be obtained in person.

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, as listed below. The remaining revenue is generally distributed to parks that do not collect fees, but have similar needs, and to fund other service wide initiatives.

Approved On-going Projects:

- Exhibits in Kohm Yah-mah-nee Visitor Center
- Construct Restroom at Southwest Campground
- Lassen Peak Trail Rehabilitation
- Control/Mitigate Exotic Plants
- Improve Visitor Horse Corrals at Butte, Summit and Juniper Lakes
- Rehabilitate Devastated Area Accessible Trail
- Printing of Park Brochures
- Improve Campground Road at Summit Lake
- Rehabilitate Natural Disturbed Areas

Future Projects:

- Night Lighting at Summit Lake Campground
- Rehabilitate Existing Infrastructure to Provide an Alternate Picnic/Parking Site at Manzanita Lake
- Rebuild Boardwalks & Railings along 3 Geothermal Area Trails
- Rehabilitate Existing Trail and Construct an Accessible Trail along Manzanita Lake

Completed Projects:

- New Wayside Exhibits
- Enhance Park Website
- Rehabilitate Natural Disturbed Areas
- Re-open Butte Lake Campground
- Loomis Museum and Visitor Center Exhibits, Parking, Plaza, and Restrooms
- Bear-Proof Food Lockers in Campgrounds
- Trail and Campground Signs
- New Southwest Entrance Station.



Trail Sign Created with Fee Dollars

Ranger Programs

Programs run from June 18 to August 15, 2010 and are 45 minutes long unless otherwise noted. Check bulletin boards for a program schedule from August 16 to September 5, 2010.

SUNDAY

9:30 a.m. - Sense of Wonder

Meet outside the Manzanita Lake Camper Store.

A special program for young children ages 4 to 6. Emphasis on outdoor activities that promote nature awareness through the use of the senses. Parents are welcome but not required to attend. (90 minutes)

9:30 a.m. - Junior Rangers

Meet at the Manzanita Lake Amphitheater.

If you are 7 to 12 years old join this fun adventure and learn about the park through games, activities, and observations. Become a Junior Ranger. (2 hours)

10:00 a.m. - 3:00 p.m. - Office Hours with a Ranger

Meet at the Bumpass Hell Boardwalk

Mud pots, steam and gas vents, and boiling pools... Such features remind us that our planet is alive and constantly changing. With a ranger, discover what drives Bumpass Hell and learn how each of its features has a unique story to tell.

10:00 a.m. 3:00 p.m. - Office Hours with a Ranger

Meet at the Sulphur Works Area

Mud pots, steam and gas vents, and boiling pools... Such features remind us that our planet is alive and constantly changing. With a ranger, discover what drives Sulphur Works and learn how each of its features has a unique story to tell.

1:00 p.m. - A Land of Volcanoes

Meet outside the Loomis Museum.

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.

2:30 p.m. - Fault Talk

Meet at the Seismograph Station by the Loomis Museum.

A talk and demonstration on how geologists monitor the park's volcanic hazards and measure Lassen's seismic activity.

MONDAY

10:30 a.m. - On the Wild Side

Meet outside the Loomis Museum.

Discover some of the "wilder sides" of the park. Topics vary from natural to cultural history.

1:30 p.m. - Cougar: The American Mountain Lion

Meet outside the Loomis Museum.

This 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 lifestyle.

TUESDAY

9:30 a.m. - Junior Rangers

Meet at the Manzanita Lake Amphitheater.

If you are 7 to 12 years old join this fun adventure and learn about the park through games, activities, and observations. Become a Junior Ranger. (2 hours)

2:30 p.m. - Pioneers

Meet at the Manzanita Lake Amphitheater.

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

WEDNESDAY

9:30 a.m. - Lakes and Ponds

Meet outside the Loomis Museum

Join a park ranger for a casual walk to explore the hidden wonders of a lake and two ponds. (one hour)

10:30 a.m. - Blown from a Volcano

Meet outside the Loomis Museum.

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.

10:00 a.m. - Junior Ranger Discovery Walk

Meet at the Kohm Yah-mah-nee Visitor Center Amphitheater

If you are 7 to 12 years old, join a park ranger for outdoor adventure and discover the plants and animals that live in an old-growth red fir forest.

2:00 p.m. - Bear Necessities

Meet outside the Loomis Museum.

Learn about black bears and how you can help keep them wild in Lassen Volcanic National Park. Join us for this fun-filled program.



THURSDAY

9:30 a.m. - It's a Wildlife Neighborhood

Meet at the Manzanita Lake Camper Store

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. (1 hour)

11:30 a.m. - Junior Firefighters

Meet outside the Loomis Museum.

If you are 7 to 12 years old join in on an exciting program and discover wildfires role in our national parks. Become a Junior Firefighter.

1:30 p.m. - Stories in Stone

Meet outside the Loomis Museum.

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

FRIDAY

10:30 a.m. - Wildlife Connections

Meet outside the Loomis Museum.

Learn about the park's wildlife and hear stories about their amazing lifestyles.

1:00 - 3:00 p.m. - Discovery Center

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.

1:30 p.m. - On the Wild Side

Meet outside the Loomis Museum.

Discover some of the "wilder sides" of the park. Topics vary from natural to cultural history.

7:30 p.m. in July. 7:00 p.m. in August. - Summit Lake Evening Program

Meet at the Summit Lake Amphitheater.

Join a park ranger for a lively program about the park's natural or cultural history.

9:00 p.m. in June and July. 8:30 p.m. in August. - Evening Slide Program

Meet at the Manzanita Lake Amphitheater.

Join a park ranger for an evening slide program about the park's natural or cultural history.

SATURDAY

8:00 a.m. - Early Birds

Meet outside the Manzanita Lake Camper Store.

Take an easy walk and discover the birds of Manzanita Lake. (1 hour)

9:30 a.m. - Junior Rangers

Meet at the Manzanita Lake Amphitheater.

If you are 7 to 12 years old join this fun adventure and learn about the park through games, activities, and observations. Become a Junior Ranger. (2 hours)

10:00 a.m. - 3:00 p.m. - Office Hours with a Ranger

Meet at Sulphur Works Area

Mud pots, steam and gas vents, and boiling pools... Such features remind us that our planet is alive and constantly changing. With a ranger, discover what drives Sulphur Works and learn how each of its features has a unique story to tell.

10:00 a.m. - 3:00 p.m. - Office Hours with a Ranger

Meet at the Bumpass Hell Boardwalk

Mud pots, steam and gas vents, and boiling pools... Such features remind us that our planet is alive and constantly changing. With a ranger, discover what drives Bumpass Hell and learn how each of its features has a unique story to tell.

1:00 p.m. - Predator and Prey the Biodiversity Way

Meet outside the Loomis Museum.

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

2:30 p.m. - Pioneers

Meet at the Manzanita Lake Amphitheater.

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

7:30 p.m. in July. 7:00 p.m. in August. - Summit Lake Evening Program

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9:00 p.m. in June and July. 8:30 p.m. in August. - Evening Slide Program

Meet at the Manzanita Lake Amphitheater.

Join a park ranger for an evening slide program about the park's natural or cultural history.

Services and Facilities

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 the 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. Campgrounds with accessible sites include Manzanita Lake, Summit Lake South, and Butte Lake. Wheelchair accessible paths include the Devastated Area Interpretive Trail, the Sulphur Works Area, and the Lassen Crossroads Information Area. Multiple scenic pullouts on the Main Park Road have wheelchair accessible wayside exhibits, as well as the Loomis Museum and visitor center. All ranger programs at the Loomis Museum are wheelchair-accessible.

Emergencies

Dial 911 to report any emergency, 24 hours a day.

Gasoline

Gasoline is available at the Manzanita Lake Camper Store during operating hours.

Lost and Found

If you lose or find an item, contact a ranger and report the item.

Phones

Cell phone coverage in the park is spotty. Pay phones are located outside the Manzanita Lake Camper Store and the Loomis Museum.

Picnic Areas

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

ATM

The Manzanita Lake Camper Store has an ATM

Showers and Laundry

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



Manzanita Lake Area

5900' (1798 m.) elevation. 1 mile beyond the northwest park entrance.

INFORMATION

- Loomis Museum: 5/28 - 10/31 (Daily) 9 AM - 5 PM
- Wilderness Permits: Required for overnight backcountry trips. Provided during operating hours.

FOOD AND GIFTS

- Loomis Museum: Gifts and bookstore.
- Manzanita Lake Camper Store: Supplies, gifts, sandwiches, ice cream. 5/27 - 6/18 (Daily) 9 AM - 5 PM
6/19 - 9/5 (Daily) 8 AM - 8 PM
9/6 - 10/11 (Daily) 9 AM - 5 PM



Drakesbad
5600' (1707 m.) elevation. 17 miles north of Chester, see map on back page.

FOOD AND LODGING

- Drakesbad Guest Ranch: 6/3 - 10/11 (Daily). For reservations call (530) 529-1512



Kohm Yah-mah-nee Visitor Center

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

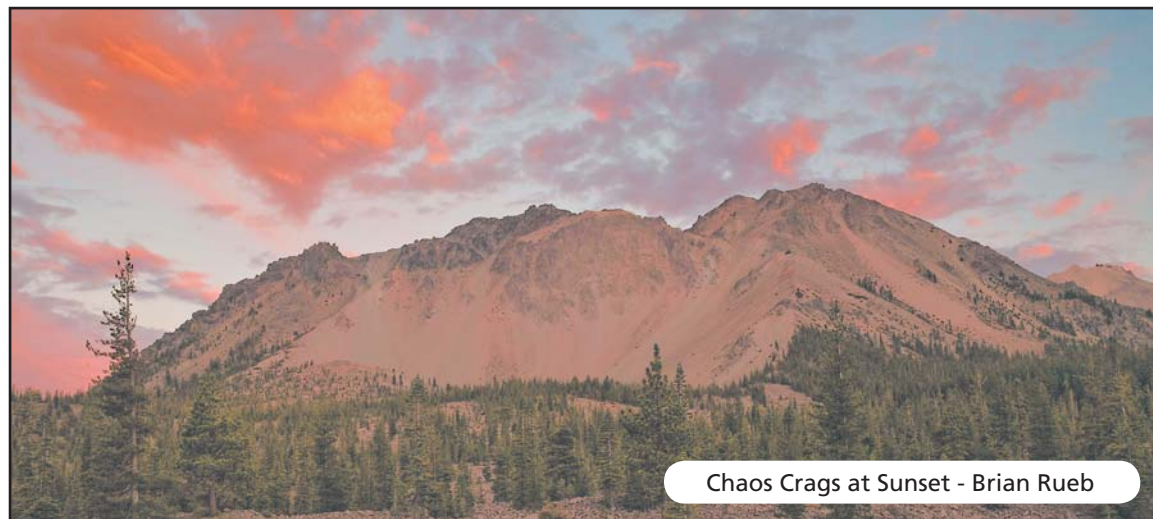
INFORMATION

- 1/1 - 5/27 (Daily) 9 AM - 5 PM
- 5/28 - 10/31 (Daily) 9 AM - 6 PM
- 11/1 - 12/31 (Daily) 9 AM - 5 PM
- Auditorium, park film, and exhibits.

FOOD AND GIFTS

- Lassen Association: Bookstore, gifts.
- Concessionaire: Supplies, gifts, sandwiches, ice cream, coffee or espresso. 5/20 - 6/18 (Daily) 9 AM - 5 PM
6/19 - 9/5 (Daily) 9 AM - 6 PM
9/6 - 10/11 (Daily) 9 AM - 5 PM

Weather and Climate Data



Spring / Summer / Fall Weather
From elevations of 5650' in Warner Valley to 10,457' on top of Lassen Peak, a wide variety of weather conditions occur in Lassen Volcanic National Park. Expect a 5° temperature decrease for every 1000' increase in elevation. Prepare for your visit; bring layered clothing, raincoat, and sunscreen.

	Average High/Low Temperatures
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 is for Manzanita Lake, at 5900' elevation.

Sunrise (a.m.) and Sunset (p.m.) Times			
	1st	10th	20th
June	5:37/8:27	5:34/8:33	5:34/8:37
July	5:38/8:38	5:43/8:36	5:51/8:30
August	6:02/8:20	6:10/8:09	6:20/7:56
September	6:31/7:38	6:40/7:23	6:49/7:06
October	7:00/6:48	7:09/6:34	7:20/6:19

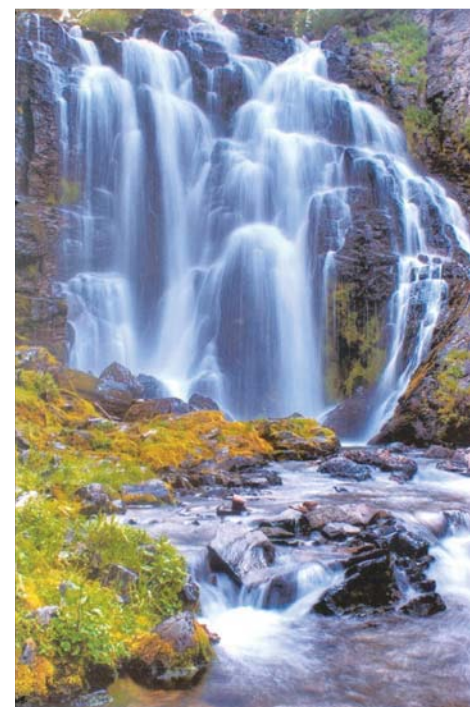
Full Moon	New Moon
June 26	June 12
July 25	July 11
Aug. 24	Aug. 9
Sept. 23	Sept. 8
Oct. 22	Oct. 7

WOW, THAT'S A GREAT SHOT! - ENTER LASSEN VOLCANIC'S 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 10, 2010. The winner's photo will be featured on the 2011 Lassen Volcanic Annual Park Pass. The winning photographer will also receive a \$50 gift certificate, courtesy of the Lassen Association to use at one of the park bookstores.

- 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's fee office no later than 5:00 p.m. on Sept. 10, 2010.
- Photos will not be returned and become property of the National Park Service

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 530-595-4444 x5148 for more information. For each photo submitted, list your name, address, phone number, subject and location.



2008 Photo Winner by Brian Rueb

Campgrounds

Each campsite has a table, bear-proof box, and fire ring. There are no hook-ups.

	# of Sites	Season (weather permitting)	Daily Fees	Features	Notes
Butte Lake - 6100'	101	6/4 - 10/26	\$16	A, F, V, W, B, RV, G, R	rough gravel road
Crags - 5700'	45	6/11 - 9/21	\$12	V, W, RV, G, N	
Juniper Lake - 6800'	18	7/1 - 10/12	\$10	V, B, G, N	rough gravel road; trailers not advised
Manzanita Lake - 5900'	179	5/27 - 10/31	\$18	A, F, V, W, B, RV, S/L/S, DS, G, R	pull-through RV sites available
Summit Lake North - 6700'	46	6/25 - 9/21	\$18	F, W, B, RV, G, R	
Summit Lake South - 6700'	48	6/26 - 10/26	\$16	A, V, W, B, RV, G, R	
Southwest Walk-In - 6700'	20	year-round	\$14	F, V, W, N	
Warner Valley - 5600'	18	6/4 - 10/26	\$14	V, W, RV, G, N	rough gravel road; trailers not advised
Butte Lake Group Sites - 6100'	6	6/4 - 9/14	\$50	V, W, B, RV, G, RR	
Lost Creek Group Sites - 5900'	8	6/11 - 9/28	\$50	V, W, RV, G, RR	closed 8/3 - 8/9
Juniper Lake Group Sites - 6800'	2	7/1 - 9/12	\$30	V, B, G, RR	

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 12 NOON. Check-out time is 12 NOON.

Quiet Hours

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

Stock Corrals

Stock corrals are available at Butte, Summit, and Juniper Lakes. Reservations are required: call (530) 335-7029.

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

Campfire Restrictions

Gather only dead and down wood. Open fires are restricted to metal fire rings only. Fires must be out cold before you leave.

Campsite Capacities

A maximum of two vehicles is allowed at each campsite, except at designated group sites. A motorhome, tow vehicle, any trailer, car or truck 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 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 Lake, which is limited to 7 days per year.

Discounts

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

Wilderness Camping? A Permit Is Required

Permits

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, Kohm Yah-mah-nee Visitor Center, and the Summit Lake, Juniper Lake, Butte Lake, and Warner Valley Ranger Stations (self-registration). Permits are also available in advance through our website or by phone at 530-595-4480.

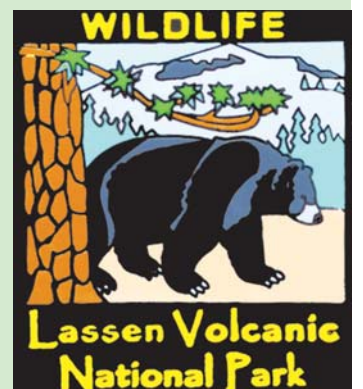
Campsites

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.



Food storage lockers like this are found at all developed campsites

Please use the food storage lockers provided to store all your food and anything that emits an odor (toothpaste, soap, cosmetics, toiletries) when camping. Bears are attracted to anything that has a scent. We recommend the use of portable food storage canisters while camping in the backcountry where storage lockers are not available. Be sure to place these containers at least 100 feet away from your campsite. Most importantly do not feed any bear or any other animal (including jays, ducks and geese). The old adage "a fed bear is a dead bear" is true. Problem bears are no longer captured and relocated. If a bear becomes a threat to human safety, it will have to be destroyed. If you do encounter a bear in a developed area such as a campground, be aggressive and yell and make loud noises to scare it away. You can also throw rocks or sticks at the bear (not at its head) to scare it. Be sure to report the incident to a campground host or any Park Service employee as soon as possible. If you happen to come across a bear when in an undeveloped area, do not approach the bear. Keep a distance of at least 50 yards and do not interfere with what the bear is doing. Take a step back and consider yourself lucky to have seen one of the bears of Lassen Volcanic.



Day Hiking



Hi, I'm Joe Pettegrew, Lassen Volcanic's trail crew leader. We have over 150 miles of hiking trails here in the park. Our most popular day hikes are listed on this page. To help you choose, I've given them a rating, but keep in mind this is just one hiker's opinion. If you are visiting in June or early July, some trails might still be closed by snow, so ask a ranger which trails are open. Please help us protect this special place by following a few rules:

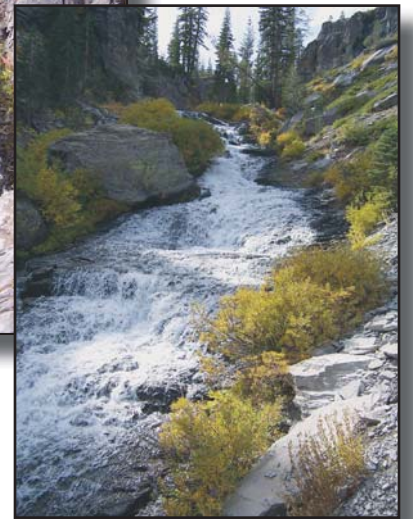
Stay on established trails and boardwalks. This is especially important in thermal areas where the ground may be dangerously thin.

Pets are not allowed on park trails.

Leave all rocks, plants, animals, and artifacts undisturbed for the enjoyment of future users.



top: Kings Creek Falls



right: Kings Creek Cascades

Devastated Area	Manzanita Lake	Trail	Bumpass Hell	Kings Creek Falls
0.5 miles (0.8 km) loop trail	1.8 miles (2.9 km) loop trail	<i>Total Distance</i>	3 miles (4.8 km)	3 miles (4.8 km)
0 feet	0 feet	<i>Elevation Gain</i>	300 feet (91 meters)	700 feet (213 meters)
30 minutes with stops	1 hour	<i>Time</i>	2 hours	2 hours
Interpretive exhibits, views	Fishing, mountain views	<i>Highlight</i>	Mudpots, hissing fumaroles	Waterfall, wildflowers
Easy walk along a paved trail. Exhibits highlight the eruption of Lassen Peak, with great views along the entire trail. Accessible to wheelchairs.	Easy walk around the lake. Keep your eyes and ears alert, birds, trout, wildflowers, and wildlife frequent the lake shore. Trail can be rocky at times.	<i>Description</i>	Moderate hike over rocky terrain with grand vistas. The trail drops into an active hydrothermal basin. Stay on the boardwalk for your safety.	Moderate hike over rocky terrain and small rock formations. Trail forks at end of meadow. The horse trail (north fork) is less strenuous.
Devastated Area Parking Lot, 10 miles S. of Loomis.	Pick up the trail at any point and loop back.	<i>Trailhead Location</i>	23 miles S. of Loomis and 6 miles from Southwest Entrance.	17 miles S. of Loomis and 13 miles from Southwest Entrance.
Look around, you will see rocks as large as dump trucks that were carried down from the 1915 eruption of Lassen Peak.	The lake was formed when rock avalanche debris from Chaos Crags partially dammed Manzanita Creek.	<i>Nature Note</i>	Listen for Big Boiler, a hissing fumarole that can reach 310 ° F (154 °C) and sounds like a busy airport runway.	One of the best trails to see wildflowers. Different species can be seen blooming almost the entire summer season.
★ ★	★ ★ ★ ★	<i>Joe's Rating</i>	★ ★ ★ ★ ★	★ ★ ★ ★ ★
Easy Walks			Moderate Hikes	

Cinder Cone	Terrace, Shadow, and Cliff Lakes	Trail	Brokeoff Mountain	Lassen Peak
4 miles (6.4 km)	3.5 miles (5.6 km)	<i>Total Distance</i>	7 miles (11.25 km)	5 miles (8 km)
700 feet (213 meters)	550 feet (168 meters)	<i>Elevation Gain</i>	2600 feet (792 meters)	1957 feet (596 meters)
3 hours	3 hours	<i>Time</i>	4-5 hours	4-5 hours
Hike inside summit crater	3 mountain lakes	<i>Highlight</i>	Panoramic views	Panoramic views
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 takes you alongside three alpine mountain lakes: Terrace, Shadow, and Cliff Lakes. The trail is steep between lakes, but mostly flat otherwise.	<i>Description</i>	Steep trail and tricky early season stream crossings give way to panoramic views of the entire park, the Sacramento Valley, and Mount Shasta.	Steep trail with loose rocks and cinders. Follow switchbacks up the mountain and please help save Lassen Peak by staying on the official trail.
The trail begins near the Butte Lake boat ramp.	19 miles S. of Loomis and 10 miles from Southwest Entrance.	<i>Trailhead Location</i>	29 miles S. of Loomis and 1 mile from Southwest Entrance.	22 miles S. of Loomis and 7 miles from Southwest Entrance.
Scientists believe the Cinder Cone formed around 350 years ago. Notice the large lava bombs along the trail near the cone.	Each lake is very different in size, shoreline features, and depth. Cliff Lake sits quietly beneath towering Reading Peak.	<i>Nature Note</i>	Brokeoff Mountain is part of the eroded rim of the ancient Brokeoff Volcano. See if you can imagine it on the summit.	Climb an active, but dormant, volcano. The 1915 lava flow near the summit showcases the youngest rocks in California.
★ ★ ★ ★ ★	★ ★ ★	<i>Joe's Rating</i>	★ ★ ★ ★ ★	★ ★ ★ ★ ★
Moderately Strenuous Hikes			Strenuous Hikes	

Access May Be Restricted, See Below



Visitors Prepare To Hike Lassen Peak

Plan Ahead

As a day hiker, no permits are required. You are entirely on your own, and cell phones may not work in the park. **Your descent into Wilderness, however brief, marks your entry into a world in which preparation, self-reliance, and common sense are crucial.** Wear sturdy boots, carry plenty of water and food, and wear sunscreen.

Weather Conditions Change

Severe storms can occur suddenly. Climb peaks and ridges early in the morning. Head for lower elevation during lightning activity.

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. See page 4.

Access to the Lassen Peak Trail

This summer we will begin the multi-year Reach the Peak project. Part of this project includes the restoration of the Lassen Peak Trail. Because of this, access to Lassen Peak will be limited or closed as necessary. Closure of this route at anytime is possible throughout the season. See page 8 for a description of alternate hikes.

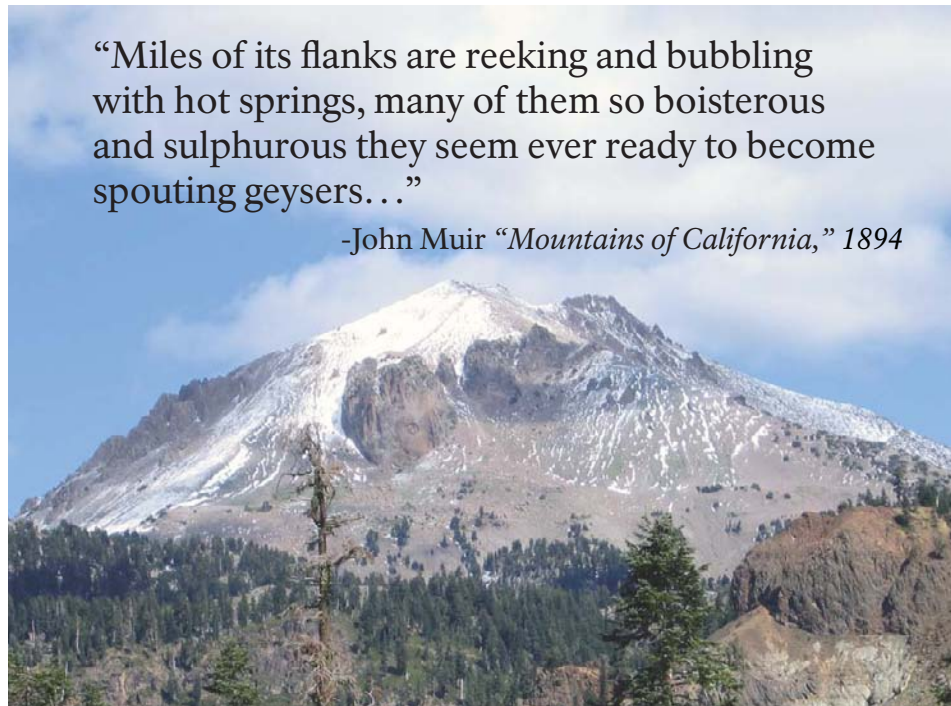
The California Conservation Corp will be assisting with the restoration of the Lassen Peak Trail. The entire trail will be closed at "Grandview", approximately 1.3 miles from the peak parking lot, for the following dates:

- Wed. July 14th- Wed. July 21st
- Wed. July 28th-Wed. August 4th
- Wed. August 11th-Wed. August 18th
- Wed. August 25th-Wed. September 1st

MANY THANKS TO OUR TWO PARK PARTNERS



The Lassen Association (LA) has assisted the National Park Service since 1939 in providing park visitors with interpretive and educational merchandise about the many and varied features of the park.



“Miles of its flanks are reeking and bubbling with hot springs, many of them so boisterous and sulphurous they seem ever ready to become spouting geysers...”

-John Muir “Mountains of California,” 1894

DID YOU KNOW? Lassen Volcanic National Park straddles a crossroads of four great geologic and biologic provinces—the Cascade Range, the Sierra Nevada, the Central Valley of California, and the Great Basin.

DID YOU KNOW? Lassen Volcanic National Park started as two separate national monuments designated by President Theodore Roosevelt in 1907: Cinder Cone National Monument and Lassen Peak National Monument.

These facts and more can be found in our publications. Come and explore today!

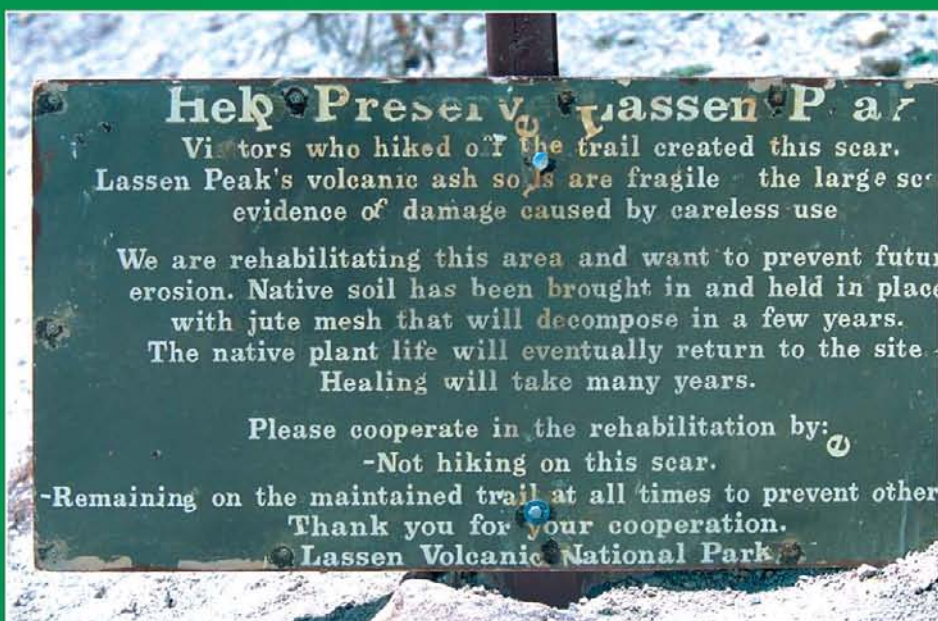
For information on how to join our mission visit our online membership program at www.lassenassociation.org. Or contact us directly at (530)595-3399 or lassenassociation@yahoo.com.

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.

Our publications are available at various sales outlets in the park or online at www.lassenassociation.org

Enjoy the park’s boiling, bubbling, boisterous thermal areas as well as the many other features that are ready for your exploration much in the same condition as when visited by John Muir 112 years ago.

Make a Difference!



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! Contributions of \$50 or more will receive a Lassen Park Foundation cap or polo shirt (depending on size of donation). 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 (530) 898-9309.

*Only \$92,000 remains to complete funding for this visitor center!

Climb another Volcano

Alternate Hikes to the Lassen Peak Trail

Although the Lassen Peak Trail is the most famous way to climb a volcano, there are many equally exciting options within the park.

Cinder Cone Trail - 4 miles (6.4km) round-trip, moderately strenuous, Butte Lake area): The view from the summit of Cinder Cone is like no other. Lassen Peak, Chaos Crags, Mount Harkness, and Prospect Peak are a few of the volcanoes that dominate the landscape and touch a sky that seems to go on forever. Butte Lake shimmers in the sunlight in stark contrast to the dark and jagged Fantastic Lava Beds which form much of its shoreline. The trail travels through an old growth forest alongside these same 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 (and the volcano), open toed shoes are not recommended. The trail is rated moderately strenuous and climbs 846 feet (258m) feet to a summit elevation of 6907 feet (2105m).



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

(Reach the Peak continued from page 1) have come to love.

To meet this challenge, the five-year Reach The Peak Project will begin in the summer of 2010 and is designed to restore and rehabilitate the trail in order to preserve the Lassen Peak experience for this and future generations. In close cooperation with partners such as the Lassen Park Foundation, as well as funding from the American Reinvestment and Recovery Act (ARRA) and visitor fee dollars, the 2.2 million dollar Reach the Peak Project includes:

- Restoration of the upper 1.3 miles of the trail to a width of four feet, and the lower 1.2 miles widened to a width of six feet
- Construction of a two foot wide summit route to the true summit
- Construction of a route around the crater(s) with new interpretive materials
- Construction of a new 5.5 mile trail linking the Manzanita Creek Trail with the Lassen Peak Parking Area
- Protection of critical habitat for several threatened and endangered plant species
- Installation of an evaporator toilet near the half-way point

This summer construction crews will be working hard on the first phase of the project. Please refer to page six for information about how this work could impact your hike up The Peak. These improvements were designed to rehabilitate, restore, and preserve the trail and the experiences it has provided over the years. As you pass the construction site on your way to the top of the mountain, take a moment to reflect on the hard work and many challenges that must be overcome to keep the Lassen Peak Trail open for your enjoyment.

Brokeoff Mountain Trail- 7.4 miles (12km) round-trip, strenuous, Main Park Road): At a summit elevation of 9235 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. Tricky early season stream crossings foretell the arrival of one of the most dramatic and varied displays of wildflowers found along any trail in the park. The trail passes through forests and meadows, over rocky lava flows, and above the tree line 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. The trail is rated strenuous, climbs 2600 feet (792m), and is located 1/4 mile south of the Southwest Entrance Station.



Brokeoff Mountain as seen from a pullout along the Main Park Road

Mount Harkness Trail - 3.8 miles (6km) round-trip, moderately strenuous, Juniper Lake area: This little-used trail is also one of the most under-rated. 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. The extensive trail system in the area provides multiple access points and loop trail possibilities. The main trailhead is located within walking distance of the Juniper Lake Campground, making for a great day trip and a rewarding dip in the cold, clear water. The trailhead is located at 6800 feet (2073m), be sure to check in with the park for the most current conditions and access information. The trail gains 1246 feet (380m) and is rated strenuous. Be sure to bring plenty of water, there is none available in the Juniper Lake area.



View from Mount Harkness Trail with Lassen Peak and Chaos in the background.

Don't Throw Away Recyclables



The Lassen Volcanic National Park Green Team emerged from a 1970's grassroots effort dubbed the 'Recycling Committee'. The humble beginning stockpiled office paper and other materials, driven to a recycling facility. Now on a park wide scale, waste reduction efforts continue to divert recyclable material away from local landfills. The green recycling receptacles are conveniently located in employee housing and offices, along Hwy 89, campgrounds, and picnic areas. In 2009, volunteers clocked over 1,023 hours sorting materials, diverting 84 tons of recyclables from garbage. Ensuring that only recyclables go into recycling receptacles makes their job much

easier. The combined weight of cardboard, steel, iron, glass, aluminum, plastic, paper, tin cans, milk bottles, Styrofoam pellets, cell phones, ink and toner cartridges, used alkaline and car batteries, including biomass diversion is equivalent to 18 adult African Elephants or 7 school buses.

Increased understanding of climate change ushered in additional ways for the Green Team to expand from their primary focus on encouraging recycling, to a number of areas that will increase the sustainability of all park operations. See if you can find corn-based bags being used for trash/recyclables collection, solar powered motion sensory lighting at the Manzanita Lake Campground restroom facilities, or even the first Green Junior Ranger Program in the National Park Service!

Experience a Lassen Adventure Through Our Field Seminar Program

Observation, Exploration, Education

Imagine capturing a soft colorful sunrise appearing over a rugged volcanic landscape. Visualize standing in a grassy meadow witnessing the sunset behind black mountains topped with majestic pine trees. Experience spectacular and unique moments such as these through our Field Seminar Program with professional Digital Photography instructor, Bob Grace. Program dates are July 9th – 11th and August 27th – 29th, 2010.



Photos by Bob Grace

Courses are provided by Lassen Association, a non-profit Park partner since 1939. Program registration and information can be obtained at Lassen Association Educational Bookstores (Loomis Museum & Kohm Yahmah-nee Visitor Center), on-line at www.lassenassociation.org or e-mail us at lassenassociation@yahoo.com or give us a call at (530) 595-3399. Develop your own sense of personal place in Lassen Volcanic National Park.



(Superintendent's Welcome continued from p. 1)

generations will hold us accountable for the lands they inherit. The National Park Service has embraced this logic, as we strive to pass on an enduring legacy in parcels of land left unchanged. Lassen Volcanic National Park has the privilege of being one of those places.

In October 1972 US Congress designated 78,982 acres of lands already within the park's boundaries as wilderness.

This year we embark on a planning process called "Together Wild". The National Park Service manages more wilderness acreage than any other Federal agency. However, Lassen Volcanic National Park wilderness areas are managed without a wilderness stewardship plan. Together Wild is a three-year service wide planning effort to pull together the resources and expert support necessary to develop site specific wilderness stewardship plans. This park will identify wilderness goals, desired conditions, and stewardship strategies as a component of ongoing and future general management plans. The developed guideline will lay a foundation on which future decisions related to the protection of the Lassen Volcanic Wilderness character will be based.

How can you get involved with wilderness protection? The Together Wild program aims to provide assistance for effective public participation and outreach. You can contribute by participating in future public scoping and in the review of the stewardship plan and environmental analysis.

My hope for you, the visitor, are the many benefits found in this park's wilderness. If properly prepared for the strenuous environment and ever changing weather, I trust the escape from the pavement; will offer a sense of renewal. Come view the wild settings, reconnect with earth's natural wonders, hike untouched paths as frontiersmen before you, and be inspired.

Become an Honorary Wildlife Biologist: Report Your Wildlife Sightings!

How would you like to become an Honorary Wildlife Biologist for Lassen Volcanic National Park? We need your help to monitor wildlife populations. Of particular importance are species of raptors (hawks, eagles, falcons and owls), forest carnivores (mountain lions, bobcats, martens, weasels, coyotes, red and gray foxes), and black bears.



Park staff survey wildlife, but we cannot be everywhere at once. You can assist. If you see an animal you think the park should know about, document the species you observed, and record the location, date, time, and what the animal was doing. The entrance stations, visitor centers, and Drakesbad Guest Ranch will have copies of the park's wildlife sighting form for you to fill out and return. Or you can write down the information and give it to any park employee who will route it to our wildlife biologist. The observations you turn in will be entered into a database to document species occurrence. By turning in wildlife sighting forms you become an Honorary Wildlife Biologist and will help to preserve and protect the wildlife of Lassen Volcanic. Thank you for your cooperation. Now go be a Honorary Wildlife Biologist!

Restoring a Forest

by Jon Arnold, Park Forester



If you are visiting Manzanita Lake, Lost Creek, or Crags campgrounds you may be wondering... why all the roped off areas? Looking a little closer you might notice tiny pine seedlings growing there. These temporary exclosures were placed to keep unwary campers from accidentally stepping on and harming vulnerable, inconspicuous pines during their first few years of life. These baby pines were planted in 2008 as part of a Forest Management Plan to restore pine forests in these three campgrounds.

Actually the story began back in summer 2006, a year which coincided with a very good cone production year for Jeffrey pine and ponderosa pine. Seed collection can be very tricky and must be timed perfectly to coincide with seed maturity. Beforehand, at each planting site, 5 to 7 healthy mature pines were selected for cone harvesting. When the time came for cone collecting, a professional tree climber was hired to climb and collect cones from high in the canopies of the seed trees, in amounts not only to provide enough seeds for the 2008 planting, but also enough for future plantings in the campgrounds. This staggered planting is important for the restoration of a more natural all-aged pine forest.

Looking a little closer within the exclosures will reveal another one of the benefits they provide. The absence of foot traffic has allowed a variety of other native plants – manzanita, deer brush, and grasses – to become



established within the exclosures. This might not be appreciated until you look around at other areas within the campground where you will see virtually no young shrubs growing anywhere. A richer variety of plant supports a richer variety of animal life to result in greater biodiversity all around!

While we were prepared to nurture the young seedlings by drip irrigation during the driest part of their first growing season, we found that this was unnecessary. The high seedling survival and performance we saw during the first growing season might be explained by high seedling quality, proper planting care, timing of planting, and the good fortune of a cool, wet June. In the end we got well over 95% seedling survival and decent growth without watering them once! In about 5 years we plan to thin the weaker seedlings so that the remaining healthier ones will have enough growing space and resources to grow into large healthy trees.

Last but not least, recyclers will appreciate that all of the exclosure posts have been salvaged from previous tree thinning and hazard tree removal projects in the park. Mulch for the seedlings has been provided by decomposed wood chips from on-site stump grinding operations and small amounts of natural on-site forest mulch.

As you can see, these exclosures have a very important job helping to restore a campground forest. In a few years, once the seedlings have grown to a sufficient height and the native ground cover has become established, the barricades will be removed. Next time you visit the park and see these special, temporary exclosures, you will know the young seedlings growing there are safe and are contributing to a healthy, beautiful and thriving forest.

A Tough Place to Make a Living

By Janet Coles, Park Plant Ecologist

One of the most obvious things about the Lassen Peak trail is that it's out in the open. The few trees are bent low and gnarled. Other plants – shrubs, grasses, ferns, and flowers – are rare and usually hard to see. For the most part you hike through chunks of broken rock. Why is it so bare?

Think wind. Think cold, think snow, lots and lots of snow. In an average winter, the slopes above Lake Helen may get up to forty feet of snow. That much snow presents two problems for plants. First, it weighs a lot. Forty feet of wet snow can weigh more than 200 pounds per square inch. That's enough to crush most living things or tear them out by the roots as the snow's weight drags them down slope. The second problem is that that much snow takes a long time to melt off, so that by the time it is gone, plants have only a few weeks left in the summer to grow before it starts to snow again.

Any plant that can survive these Arctic conditions also has to contend with the same issues that hikers do. It's dry, windy, and it's really sunny. Although there is lots of water in the snow, it is gone soon after the snow melts and plants must send their roots deep to find what's left. And plants can get sunburn just like people do. To deal with both problems, some plants growing on Lassen's rocky slopes take advantage of their surroundings and hide under or between the rocks for shelter and for shade. Some also grow a thick "skin", a waxy cuticle that blocks the sun's UV rays as efficiently as human sunblock.

The final difficulty that plants must overcome is



Small plants sheltering among the rocks on Lassen Peak.

simply that they haven't had much time. Much of the mountain is less than 100 years old, and none of it is more than a few thousand years old. With a snow-free window of only a few weeks to a few months, that isn't a lot of time for soil to develop, seeds to find their way to bare ground, and plants to begin to grow.

So as you hike to the summit of Lassen Peak, Broke-off Mountain, or any high summit, be sure to stop to admire the matchless views from your high place. But also take a moment to look down and admire the tough little green survivor growing by your feet.



Trees and other plants struggle to grow on Lassen Peak.

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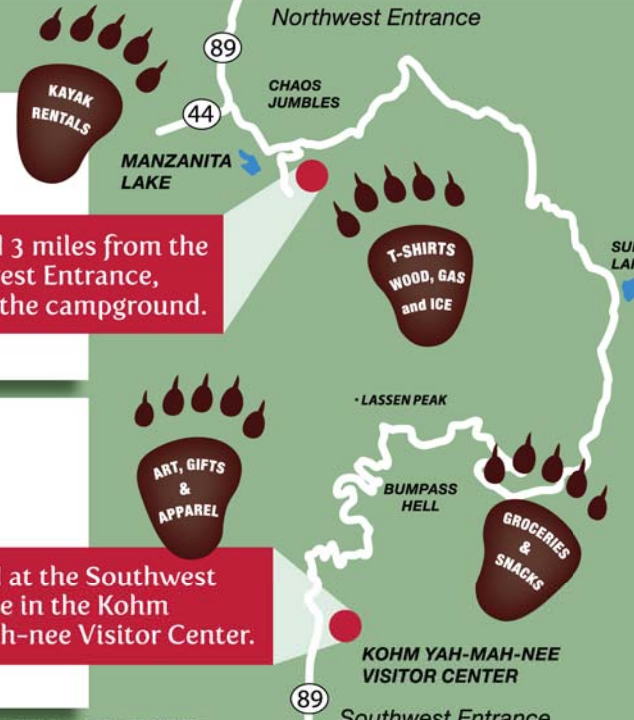
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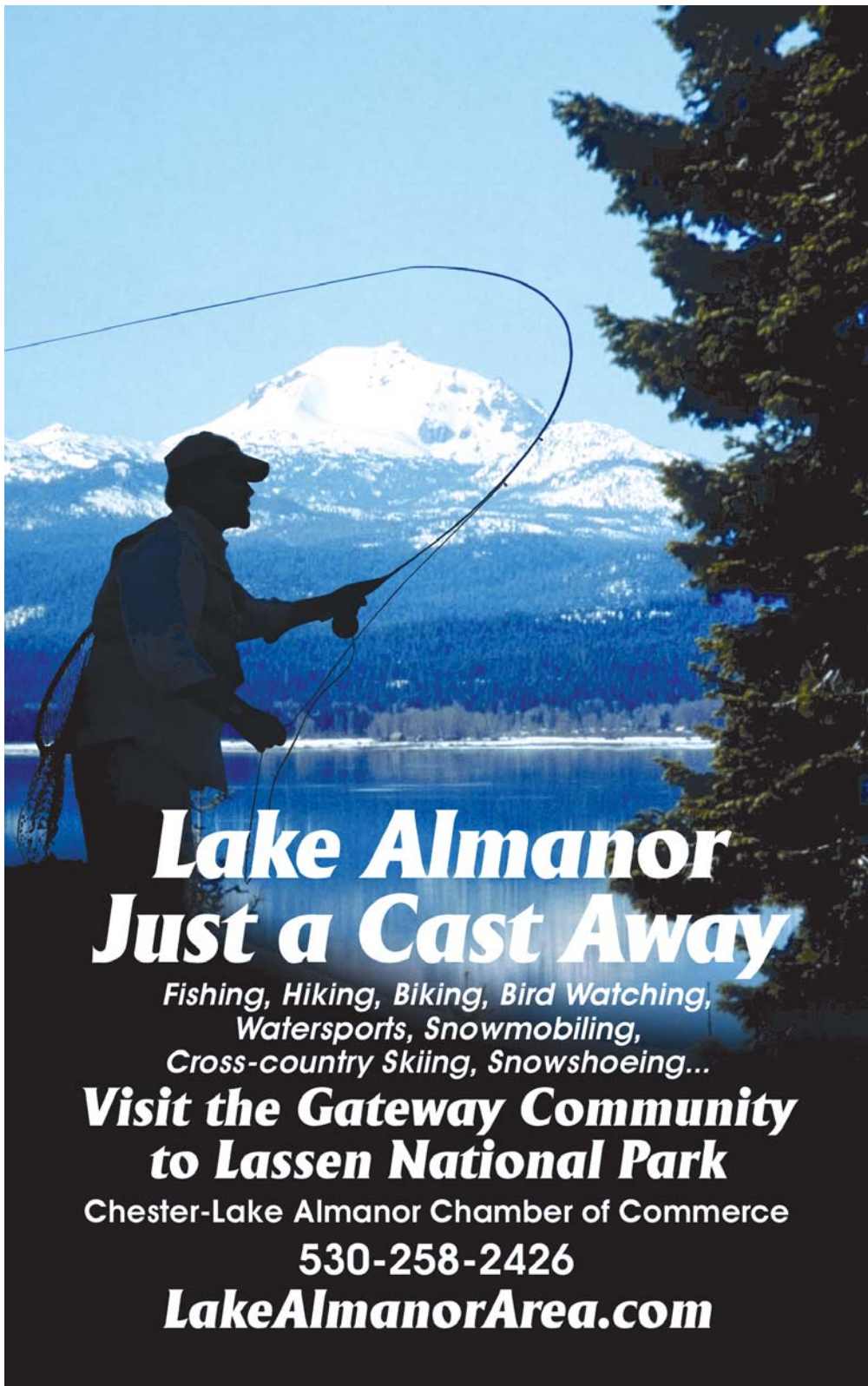
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We Offer AAA/AARP Discounts

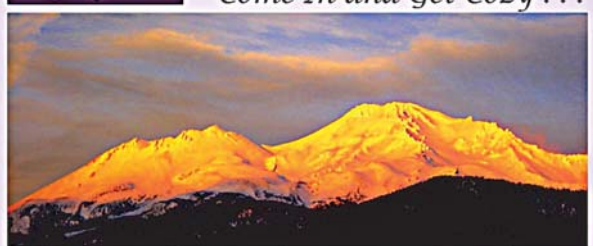
37385 Main Street
Burney, CA 96013
www.greengablesmotel.com

1-866-931-0420 (Toll Free)
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North of Park,
Hwy 89/I5: Mount Shasta

**Cold Creek
Inn & Suites**

Come In and Get Cozy...

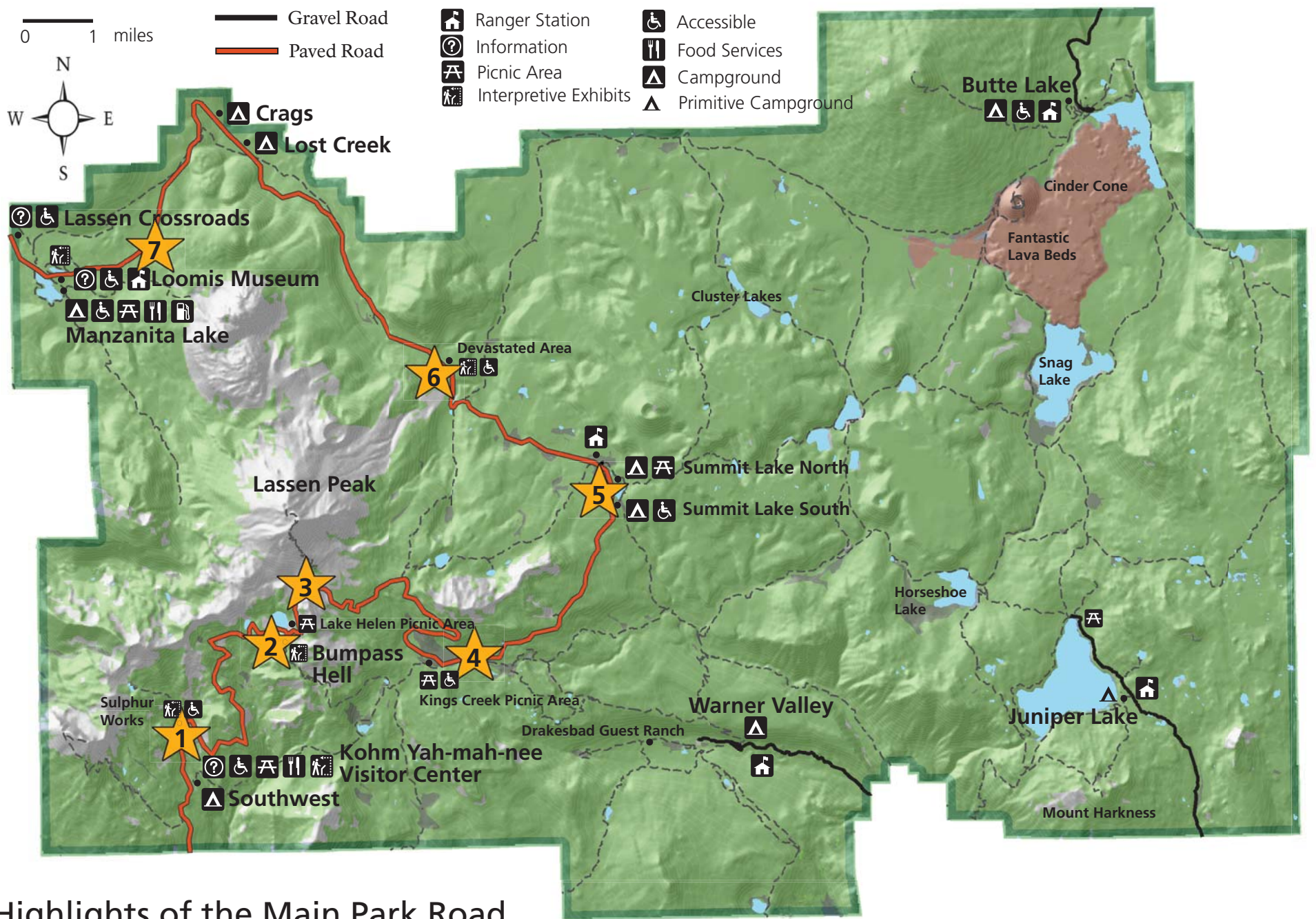


Conveniently Located in Downtown Mt. Shasta

- * Certified Green Lodging
- * Continental Breakfast & Juice
- * Free wi-fi and HBO
- * In Room Coffee, Tea and Hot Chocolate
- * Large Furnished Deck with Views of Mt Shasta & Mt Eddy
- * All Non-Smoking Rooms
- * Fridges, microwaves

724 N. Mt. Shasta Blvd.,
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We Offer AAA/AARP Discounts
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Highlights of the Main Park Road

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 "must-see" 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: 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 lot 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 0.5 miles after you emerge from the forest. Located within the Chaos Jumbles, this pull-out has dramatic views of Chaos Crags.

