

LASSEN PARK GUIDE

Summer 1995

Published for park users by the Loomis Museum Assn.

Flying Parasites Invade the Park

LASSEN PARK is home to a wide variety of bird species. Over 200 species have been identified in the park. Many of the birds found here such as warblers, vireos, tanagers and flycatchers are an important part of the summer birdlife in Lassen. These birds are known as neotropical migrants that breed here in Lassen and spend the winter in Mexico

and Central and South America.

Recent studies indicate that populations of many neotropical migrant species are declining.

One of the reasons for their decline has been linked to the range expansion of the parasitic Brown-headed Cowbird.

The Brown-headed Cowbird is a native of North America that has been expanding its range and greatly increasing in numbers. It was originally a bird of the plains where it associated with the large herds of bison. It was even once called the buffalo bird. As America's human population grew, forests were cleared and farming and ranching opened up the land, the cowbird spread rapidly throughout the lower 48 states.

The Brown-headed Cowbird is becoming a common summer resident in Lassen and is seen often at Manzanita Lake and at other riparian areas used by people. The cowbird is a nest parasite which

means it does not build a nest of its own and raise its own young. The female cowbird lays her eggs in the nests of other bird species which become responsible for the rearing of the cowbird chicks. This often results in the death of the young of the host birds such as warblers which cannot compete with the larger cowbird chicks.

This nest parasitism by cowbirds may be a major cause for the decline of some neotropical birds found normally in Lassen such as warblers and flycatchers.

The National Park Service has a responsibility for protecting, preserving and managing the natural resources of the National Park System. The Park Service is currently monitoring neotropical migratory birds and cowbirds. If cowbirds are impacting the park's neotropical migrants, a cowbird management program may be necessary in order to protect the neotropical migrants that breed in the park. These neotropical migrants are an important part of Lassen's summer wildlife. Their loss will upset the delicate balance of the park's web of life. Any confirmed sightings of Brown-headed

Cowbirds in Lassen should be reported to park staff.

Flight Paths of Neotropical Songbirds
(From Smithsonian Migratory Bird Program)

CONTENTS

Safety Information.....	Page 2
General Regulations	2
Camping	2
Backcountry	3
Naturalist Activities	4
Nearby Businesses	7
Road Markers (most issues)	8

WELCOME TO LASSEN!

The park staff and I hope you will enjoy your visit here. We encourage you to learn more about the forces that have made this land significant, causing it to be designated a national park. This issue of the park newspaper is "for the birds," beacons of the health of our environment.

You can help protect the park by not feeding wildlife, storing food safely away from bears, not shortcutting switchbacks on trails, and observing common outdoor manners. The next visitor will appreciate your thoughtfulness.

Should you need help or information, please contact any park employee. The historic Loomis Museum near Manzanita Lake is an excellent place to start your visit.

Again, welcome. We hope you will feel more refreshed and enlightened as a result of your visit here.

Gilbert E. Blinn
Superintendent

NUMBERS TO CALL

To Report An Emergency:

Lassen Park Headquarters
(916) 595-4444 or 9-1-1 after hours
Manzanita Lake District Office
(916) 335-7373 or Dial 9-1-1

General Information:

Lassen Park Headquarters
(916) 595-4444
Loomis Museum (summer only)
(916) 335-7373
TDD No. for Hearing Impaired
(916) 595-3480



What Every Visitor Needs To Know

PARK REGULATIONS

FOR A SAFE VISIT

Be alert when driving in the park. Drive defensively; drivers often make unexpected maneuvers and stops. Use established pull-outs when available. Observe speed limits; the majority of the park road from Sulphur Works to the Devastated Area is 35 mph. Remain on established roadways; no off road travel is permitted.

Be aware and prepared for changing weather conditions. Severe storms occur suddenly. Climb peaks and ridges early in the morning, and head for lower elevations during lightning activity.

Observe wildlife at a distance. Feeding, harassing and hunting wildlife is illegal. Wildlife can be dangerous and rodents can transmit plague to you and your pets. Secure all food and garbage properly when picnicking or camping.

When hiking and climbing, stay on established trails and boardwalks, especially in thermal areas where ground may be dangerously thin. Due to this winter's heavy snowfall, consult rangers for trail and snow conditions. Do not cut switchbacks or throw rocks. Wear sturdy boots, carry water and extra food and wear sunscreen.

~ ENTRANCE FEES ~

- Lassen Park is a designated fee area. All vehicles require entrance permits.
- The Manzanita Lake and Southwest-Chalet entrance stations have information on various types of permits. Permits vary from a 7-day pass for Lassen Park to an annual entrance pass to all the national parks.
- All self-registration entrance permits must be displayed in front windshield.

~ CAMPING ~

- All campsites are first come, first served; there are no reservations.
- Stays are limited to 14 days per year with Lost Creek and Summit Lake limited to 7 days.
- Camp only in developed and designated campgrounds.
- Park only on designated parking pad. Two vehicles are allowed per site.
- Quiet hours are observed from 10pm to 6am.
- Use of chainsaws is prohibited.
- Open fires are prohibited except in government-provided fire rings.
- Lassen has black bears; store all food and garbage properly.

~ FISHING ~

- Park fishing regulations conform with California State regulations.
- A California State fishing license is required for those over age 16.
- Emerald Lake, Manzanita Creek and 150' from the Manzanita Lake inlet are closed to fishing.
- **Special regulations for Manzanita Lake: Catch and release only; only artificial lures and single barbless hooks can be used.**

~ BOATING ~

- Motorized boats are prohibited on all park waters.
- Coast Guard approved personal flotation devices must be on board for all occupants and worn by children under 12.
- Lake Helen and Emerald, Reflection and Boiling Springs Lakes are closed to boating.
- **Boats may not be left on Manzanita or other lake shores overnight.**
- **At Manzanita Lake boats may only be put in and taken out at the designated launch site.**

~ BICYCLING ~

- Bicycles are permitted on park roads and in campgrounds, but prohibited on all park trails.
- A helmet must be worn by cyclers under 18.
- Skating, skateboarding and rollerblading are not permitted.

~ PETS ~

- Pets must remain on leash or be otherwise restrained at all times.
- Pets, when leashed, may travel on established roadways, and in campgrounds, picnic areas and within 50' of developed areas.
- Pets are not permitted on trails, in the backcountry or in any body of water.
- Pets may not be left unattended.
- Please clean up after your pet and take responsibility for its behavior.

~ WEAPONS & FIREWORKS ~

- All weapons and fireworks are prohibited.
- Transportation of weapons through the park is allowed when declared at entrance stations, and unloaded, cased, broken down or otherwise packed to prevent use.

For a complete listing of park rules and regulations, please contact ranger personnel.

CAMPGROUNDS

SOUTHWEST

Elevation: 6700' Sites: 21 Fee: \$8.00

Location: Lassen Chalet parking area east side, near Southwest Entrance Station.

Facilities: Walk-in campsites, fireplaces, tables, piped water, comfort station w/flush toilets, garbage collection. Lassen Chalet (open business hours in the summer) has food service and gift shop. RVs may park overnight in Chalet parking lot for \$6.00 per night and should register at the campground.

SUMMIT LAKE

Elevation: 6695' Sites: 46 North, 48 South Fee: \$10.00 North, \$8.00 South

Location: 12 mi. from Manzanita Lake, 17.5 mi. from Southwest Entrance Station.

Facilities: Swimming, fireplaces, tables, flush toilets (north campground), garbage collection, naturalist programs. Many trails begin in this area.

CRAGS (Overflow only)

Elevation: 5700' Sites: 45 Fee: \$6.00

Location: 5 mi. from Manzanita Lake.

Facilities: Fireplaces, tables, piped water, chemical toilets, garbage collection. Accommodates trailers to 35'.

Butte Lake Campground is closed for camping, but the area is open for day use.

MANZANITA LAKE

Elevation: 5890' Sites: 179 Fee: \$10.00

Location: Adjacent to and south of Manzanita Lake.

Facilities: Fishing, swimming, fireplaces, tables, flush toilets, showers, electric razor outlets, piped water, garbage collection, trailer dumping station. Boating without motors. Accommodates trailers to 35'. Pay telephone. Concession services, naturalist programs.

WARNER VALLEY

Elevation: 5650' Sites: 18 Fee: \$8.00

Location: 1 mi. west of Warner Valley Ranger Station, via dirt road 17 mi. out of Chester. Not recommended for trailers.

Facilities: Stream fishing, hiking, fireplaces, tables, piped water, pit toilets, garbage collection, Nearest supplies in Chester.

JUNIPER LAKE

Elevation: 6792' Sites: 18 Fee: \$6.00

Location: On east shore of Juniper Lake Ranger Station via rough dirt road leading 13 mi. north of Chester. Not recommended for trailers.

Facilities: Swimming in lake, boating without motors, fireplaces, tables, pit toilets, garbage collection. Boil, purify or bring your own water.



Manzanita Lake:

Loomis Museum Restrooms by Loomis Museum (portables with assistance) and Camper Store Campground - site, restrooms

Summit Lake: Picnic Area (with assistance) Campground - site, restrooms

Southwest Area: Restrooms in Chalet Campground - site, restrooms

Park Headquarters: Information Desk, restroom

Bumpass Hell Parking Area: Portable restroom (with assistance)

Lassen Peak Parking Area: Portable restroom (with assistance)

Devastated Trail: Interpretive trail, portable restroom (with assistance)

Accessible Naturalist Programs: Listed on page 5

Restrooms open during summer operation period only; Chalet restrooms open most of year.



About Backcountry Use

Lassen's backcountry contains 150 miles of hiking trails, including 17 miles of the Pacific Crest Trail. Trails vary in length and difficulty, winding through coniferous forest, alpine tundra and along water ways. **Please be a caring and conscientious back-packer by leaving no trace behind.**

PERMITS

- Wilderness permits are required for overnight camping.
- There is no self-registration.
- Permits are available in advance by mail by calling Park Headquarters at (916) 595-4444; allow at least two weeks.
- Permits are also available in person at the Loomis Museum, Park Headquarters, Southwest Information Station, Old Station Information Center, Almanor Ranger District Office, Southwest Entrance Station and Manzanita Lake Entrance Station (when Loomis Museum is closed). Call (916) 595-4444 for operating hours of issuing stations.
- Permits are limited to a maximum of 10 people per group.
- Camping is limited to 14 days per year.

STOCK

- Permits are required for day use.
- No overnight stays in the backcountry. Corrals are available by reservation at Summit and Juniper Lakes; call (916) 595-4444 ext. 5155.

GROUPS

- Up to 20 people may hike together.
- Groups are limited to 10 people per campsite.

FIRES ARE PROHIBITED

- Use a portable campstove.

FOOD, CLOTHING AND WATER

- Bring extra food, clothing and water in case of emergencies or sudden weather changes.
- Hang food and garbage out of animals' reach for your safety and their health. Lassen has bears.
- Purify park water before drinking by boiling or using 2-micron filters to avoid giardia.
- Do not wash clothing or utensils or use any cleaning agents in park waters.
- Dig latrine and bury human waste and toilet paper 8" deep, at least 100' from lakes, streams and springs.

CAMPSITES

- Camp at least 300' from other camping groups.
- Do not camp in meadows, or on fragile vegetation.
- Camp at least 100' from high watermark of lakes, springs and streams.
- Do not construct "improvements" such as wind-breaks, log bridges, etc.

Camp at least one mile from developed areas, campgrounds or park roads.

The following areas are closed to camping within 1/4 mile (1300') :

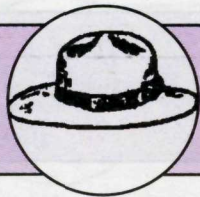
Boiling Springs Lake
Bumpass Hell & Trail
Butte Lake (except south end)
Cinder Cone
Cold Boiling Lake
Cold Spring
Crags Lake
Crumbaugh Lake
Crystal Lake
Devils Kitchen
Dream Lake
Echo Lake
Hat Creek Cabin area
Hot Springs Creek (Devils Kitchen to s. boundary)
Inspiration Point
Juniper Lake
Kings Creek Falls
Lassen Peak (summit & trail)
Little Hot Springs Valley
Manzanita Creek (below bridge to Sec. 29)
Mt. Harkness (summit)
Soda Lake
Warner Valley

The upper Hat Creek Drainage, including Paradise Meadows and Terrace, Shadow, Cliff and Hat Lakes, is closed to camping.



Looking For a Good Hike?

HIKE	START	ROUND TRIP DISTANCE	ROUND TRIP TIME	TERRAIN	FEATURES
FOREST LAKE & BROKEOFF MOUNTAIN	Road Marker 2	3 mi. Forest Lake, 7.4 mi. Brokeoff summit	2-1/2 hrs. Forest Lake, 5 hrs. Brokeoff summit	Uphill, steady climb, 700' Forest Lake, 2,600' Brokeoff	Scenic, flowers, streams
MILL CREEK FALLS	Southwest Campground	4.6 mi.	2-1/2 hrs.	Downhill about 300', uphill about same	Highest waterfall, forest, flowers
LILY POND NATURE TRAIL	Loomis Museum Parking Area	1 mi.	1 hr.	Easy walk	Lake shores, forest, trail leaflet
BUMPASS HELL	Parking area by Road Marker 17	3 mi.	3 hrs.	Gradual 500' climb first mile, 250' descent into thermal area	Largest thermal area, hot springs, steam vents, mudpots, trail leaflet, stay on established trail
LASSEN PEAK	Parking lot by Road Marker 22	5 mi	4-1/2 hrs., inexperienced hikers allow extra time	2,000' uphill on steady, steep grade (15%), begins at 8,500'	Recent volcanic activity, timberline trees, trail leaflet, bring water and jacket, watch for lightning
TERRACE, SHADOW & CLIFF LAKES	Road Marker 27	3 mi. total (Terrace .5 mi., Shadow .8 mi., & Cliff 1.5 mi.)	3 hrs. (Terrace 1 hr., Shadow 1-1/2 hrs., Cliff 3 hrs.)	Downhill, 300' to Terrace, 350' to Shadow, 650' to Cliff; uphill on return	Forest, lake, flowers
KINGS CREEK FALLS	Road Marker 32	3 mi.	2-1/2 hrs.	700' descent	Cascades, forest, flowers, for photographers
SUMMIT LAKE TO ECHO & TWIN LAKES	East side of Summit Lake, from trail encircling lake	8 mi. total (Echo Lake 4 mi., Upper Twin 7 mi., Lower Twin 8 mi.)	6 hrs. (Echo 3 hrs., Upper Twin 5 hrs., Lower Twin 6 hrs.)	500' uphill first mile, descending 500' to Lower Twin	Lakes, forest, flowers, good for overnights, summer swimming
MANZANITA LAKE	Any place along Manzanita Lake	1.6 mi. around lakeshore	1-1/2 hrs.	Level, pleasant walk	Lake, flowers, wildlife, trees, shrubs, scenic
CINDER CONE	West end of Butte Lake Campground	4 mi. total (5 mi. if trail followed down south side of cone)	3 hrs. to cone summit & back; 4 hrs. if trail followed down south slope	800' climb, fairly steep with loose cinders	Forest, scenic, wear high shoes or boots, for geologists & photographers, trail leaflet
BOILING SPRINGS LAKE	Parking area west of Warner Valley Campground	3 mi.	2 hrs.	Easy 200' climb	Mudpot, flowers, forest, trail leaflet
MT. HARKNESS	Southeast end of Juniper Lake Campground	4 mi.	4 hrs.	Enjoyable 1,300' climb	Scenic, flowers, historic lookout



Naturalist Schedule

June 23 to August 27, 1995

Schedules may vary; check Loomis Museum and campground bulletin boards.

SUNDAY

- 9:00am** Junior Rangers, ages 7-12. Meet at Manzanita Lake Amphitheater.
- 9:30am** Sense of Wonder. Meet at Manzanita Lake Camper Store.
- 10:30am** Indian Ways. Meet at Loomis Museum.
- 1:30pm** Naturalist's Choice. Meeting place varies, check Loomis Museum or campground bulletin boards.
- 1:30pm** Indian Ways. Meet at Loomis Museum.
- 2:00pm** Kings Creek Hike. Meet at Kings Creek, Road Marker No. 32. Begins July 9.
- 7:30pm** Evening Program at Summit (7:00pm Aug.) Lake Amphitheater.
- 9:00pm** Evening Slide Program at (8:30pm Aug.) Manzanita Lake Amphitheater.

MONDAY

- 9:00am** Manzanita Lake Nature Walk. Meet at Manzanita Lake Camper Store.
- 10:00am** Puppet Show. Meet at Manzanita Lake Amphitheater.
- 10:30am** Indian Ways. Meet at Loomis Museum.
- 1:30pm** Indian Ways. Meet at Loomis Museum.
- 2:00pm** Pioneers. Meet at Manzanita Lake Amphitheater.
- 7:30pm** Evening Program at Summit (7:00pm Aug.) Lake Amphitheater.
- 9:00pm** Evening Slide Program at (8:30pm Aug.) Manzanita Lake Amphitheater.

TUESDAY

- 9:00am** Junior Rangers, ages 7-12. Meet at Manzanita Lake Amphitheater.
- 9:00am** Trail to Paradise. Meet at Hat Lake Parking Area, Road Marker No. 42. Begins July 11.
- 10:30am** Indian Ways. Meet at Loomis Museum.
- 1:30pm** Indian Ways. Meet at Loomis Museum.
- 2:00pm** Skins and Bones. Meet behind Manzanita Lake Camper Store.
- 2:00pm** Mudflows, Hot Rocks and Pyroclasts. Meet at Hot Rock, Road Marker No. 48.
- 7:30pm** Evening Program at Summit (7:00pm Aug.) Lake Amphitheater.
- 9:00pm** Evening Slide Program at (8:30pm Aug.) Manzanita Lake Amphitheater.

WEDNESDAY

- 9:00am** Walk in the Devastated. Meet at Devastated Parking Area, Road Marker No. 44.
- 10:30am** Indian Ways. Meet at Loomis Museum.

- 11:00am** Mudflows, Hot Rocks and Pyroclasts. Meet at Hot Rock, Road Marker No. 48.
- 1:30pm** Indian Ways. Meet at Loomis Museum.
- 2:30pm** Pioneers. Meet at Manzanita Lake Amphitheater.
- 9:00pm** Evening Slide Program at (8:30pm Aug.) Manzanita Lake Amphitheater.

THURSDAY

- 9:00am** Junior Rangers, ages 7-12. Meet at Manzanita Lake Amphitheater.
- 1:30pm** Skins and Bones. Meet behind Manzanita Lake Camper Store.
- 2:00pm** Volcanoes and Glaciers. Meet at Bumpass Hell Trailhead, Road Marker No. 17.
- 7:30pm** Evening Program at Summit (7:00pm Aug.) Lake Amphitheater.
- 9:00pm** Evening Slide Program at (8:30pm Aug.) Manzanita Lake Amphitheater.
- 9:00pm** Starry Nights. Meet at Devastated (8:30pm Aug.) Parking Area, Road Marker No. 44.

FRIDAY

- 9:00am** Walk in the Devastated. Meet at Devastated Parking Area, Road Marker No. 44.
- 11:00am** Mudflows, Hot Rocks and Pyroclasts. Meet at Hot Rock, Road Marker No. 48.
- 1:30pm** Tree Walk. Meet outside Loomis Museum.
- 3:30pm** Fault Talk. Meet at Seismograph Station by Loomis Museum.

- 7:30pm** Evening Program at Summit (7:00pm Aug.) Lake Amphitheater.
- 9:00pm** Evening Slide Program at (8:30pm Aug.) Manzanita Lake Amphitheater.
- Time Varies** Night Prowl. Make reservations at Loomis Museum.

SATURDAY

- 9:00am** Junior Rangers, ages 7-12. Meet at Manzanita Lake Amphitheater.
- 9:00am** Manzanita Lake Nature Walk. Meet at Manzanita Lake Camper Store.
- 9:30am** Naturalist's Choice. Meeting place varies, check Loomis Museum or campground bulletin boards.
- 10:30am** Indian Ways. Meet at Loomis Museum.
- 12:30pm** Lassen Crater Hike. Meet at top of Lassen Peak by 12:30pm. Begins July 15.
- 1:30pm** Indian Ways. Meet at Loomis Museum.
- 1:30pm** Flower Walk. Meet at Hat Lake Parking Area, Road Marker No. 42 in July and Kings Creek Picnic Area, Road Marker No. 30 in August.
- 2:30pm** Fault Talk. Meet at Seismograph Station by Loomis Museum.
- 3:30pm** Rock Talk. Meet behind Manzanita Lake Camper Store.
- 7:30pm** Evening Program at Summit (7:00pm Aug.) Lake Amphitheater.
- 9:00pm** Evening Slide Program at (8:30pm Aug.) Manzanita Lake Amphitheater.



Information Centers

The Loomis Museum at Manzanita Lake is open daily from 9am to 5pm from June 11 to September 4 with exhibits, orientation films, publications for sale and wilderness permits. Call (916) 335-7575 for more information.

Park Headquarters in Mineral is open daily from 8am to 4:30pm from May 22 to September 4 with publications and wilderness and horse permits. Call (916) 595-4444 for road, weather and back-country recordings, and other park information.



Something for Everyone

~ Activity Descriptions ~

LASSEN CRATER HIKE

Meet ranger at top of Lassen Peak at 12:30 pm at the first broad summit area to explore the craters and history of the recent eruptions of 1914-1915. Plan to arrive at the top by noon. Allow 2 1/2 hours to make the climb from the parking area. Wear sturdy shoes, bring a lunch, water, windbreaker, hat and sunscreen.

HALF-DAY HIKES

Moderate to more strenuous hikes 2 1/2 to 3 hours long. Wear walking shoes or boots and dress for the weather. Children must be accompanied by an adult.

KINGS CREEK FALLS HIKE. 3 miles round-trip and a descent of 700' will bring you to a beautiful 30' high waterfall. Trail follows a mountain stream through an open meadow and cool forest.

TRAIL TO PARADISE. 3 miles round-trip and a climb of 600' to a beautiful glacier carved meadow. Beautiful mid-summer flowers can sometimes be seen along this trail.

SHORT HIKES & NATURE WALKS

Short 1 to 3 hour adventures exploring the natural world of Lassen Park. These activities are less than 2 miles long and an excellent way to explore the park's natural history.

FLOWER WALK. A 1-hour walk exploring wildflowers along a mountain stream flowing through a beautiful meadow.

MANZANITA LAKE NATURE WALK. An easy 2 hour, 1 1/2 mile walk with a naturalist around Manzanita Lake.

MUDFLOWS, HOT ROCKS AND PYROCLASTS. A 45-minute walk exploring the geological evidence that transformed the Hot Rock area during Lassen Peak's eruption.

TREE WALK. Travel through wetlands, meadows, forest and the Chaos Jumbles and learn about the many kinds of trees found in Lassen. An easy 1 to 1 1/2 hour walk on the Lily Pond Nature Trail.

VOLCANOES AND GLACIERS. An easy 45-minute stroll looking at the area's dramatic evidence of past glacial and volcanic activity.

WALK IN THE DEVASTATED. Devastated Area was swept clean by Lassen Peak's mudflow and blast of 1915. This easy 1 hour walk traces the events of the major eruption of Lassen Peak.

TALKS AND DEMONSTRATIONS

FAULT TALK. A 30 to 45 minute talk about the geologists' first attempts to measure Lassen's seismic activity. Learn how to interpret seismograph records and how the park's volcanic hazards are being monitored today. ♿ with assistance.

INDIAN WAYS. A 45-minute introduction to the culture of the Atsugewi Indian Peoples from a member of the Atsugewi Tribe. ♿ with assistance.

ROCK TALK. A 45 minute introduction to the geology of Lassen's volcanic rocks. From dacite to andesite, ash to bombs, Rock Talk illustrates the natural history of Lassen's volcanic past. ♿ with assistance.

SKINS AND BONES. Inspect the jaws, teeth, hair and hides of animals from the park's natural history collection. Program is 45 minutes long. ♿ with assistance.

SPECIAL PROGRAMS

EVENING PROGRAMS. 45 minute amphitheater programs are presented at the Summit Lake and Manzanita Lake Amphitheaters. Check bulletin boards at the Loomis Museum and campgrounds for topics. ♿ Manzanita Lake. Summit Lake with assistance.

JUNIOR RANGER. If you're 7 to 12 years old, become a Lassen Park Junior Ranger. Join us for a fun 2-hour adventure of games, activities and observations learning the secrets of Lassen Park.

NATURALIST'S CHOICE. It could be anything ... a bird walk, a demonstration or a nature walk. Check the Loomis Museum or campground bulletin boards for topic and meeting place.

NIGHT PROWL. The enchanting world of Lassen Park in twilight and darkness. Explore the park with your "other" senses. Program limited to 15 people. Make reservations at the Loomis Museum.

PIONEERS. It's 1853 along a wagon road called the Noble's Emigrant Trail. You'll meet pioneers looking for California. They have a few stories to tell.

PUPPET SHOW. Join a Ranger and a cast of lively puppets for a fun-filled 30 to 40 minute program about the natural world. ♿

SENSE OF WONDER. A special program for very young children 4 to 6 years old. Emphasis is on promoting sensory awareness. Parents are welcome, but not required to attend. ♿ with assistance.

STARRY NIGHTS. Stars, planets, galaxies, ancient myths and contemporary theories under a brilliant night sky. ♿



Become a Junior or Senior Ranger

If you are **seven to twelve years old**, you are invited to become a Junior Ranger. Junior Rangers meet between 9:00 and 11:00 a.m. every Sunday, Tuesday, Thursday and Saturday at the Manzanita Lake Amphitheater. If you

are over twelve years old or have already earned a Junior Ranger patch, pick up our Senior Ranger card at the Loomis Museum. When Junior and Senior Rangers complete their cards, they can purchase patches.

The Cascade Volcano Club

Learn about the Ring of Fire, the different kinds of volcanoes, discover hidden clues about Lassen's volcanic past and have fun learning with your friends and family. The club is designed for anyone over the age of 12 and families of all ages. You can get

started at the Loomis Museum. You'll get official instructions to guide you in your quest. When you complete them, you'll get a volcano club decal and be eligible to purchase a volcano club patch.

Welcome Seniors!

Lassen has many opportunities for senior visitors to experience the wonder and beauty of its volcanic landscape. Each year more and more seniors are discovering the wide variety of naturalist programs offered during the summer. Many of our naturalist programs are well suited for seniors looking for less demanding activities.

Some of the more popular activities attended by seniors are **Indian Ways, Pioneers, Flower Walk, Manzanita Lake Nature Walk** and our evening programs. We also offer other naturalist activities that seniors enjoy participating in depending on their time, physical abilities and interests. Come join us!

**Check Bulletin Boards
For Special Programs & Guest Speakers**

Organized Groups

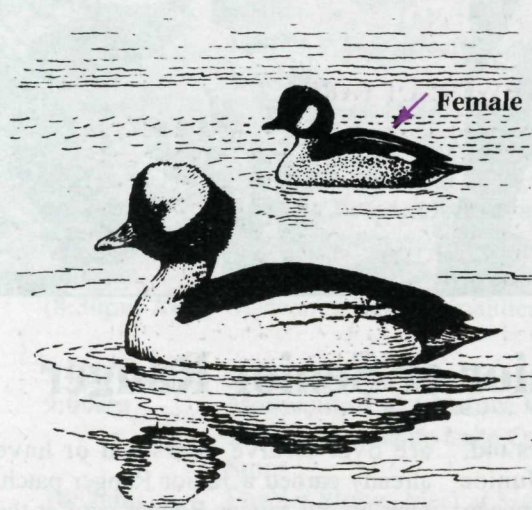
For information on naturalist activities for organized groups, please telephone (916) 595-4444, ext. 5133. Reservations need to be made well in advance.



Our Feathered Friends

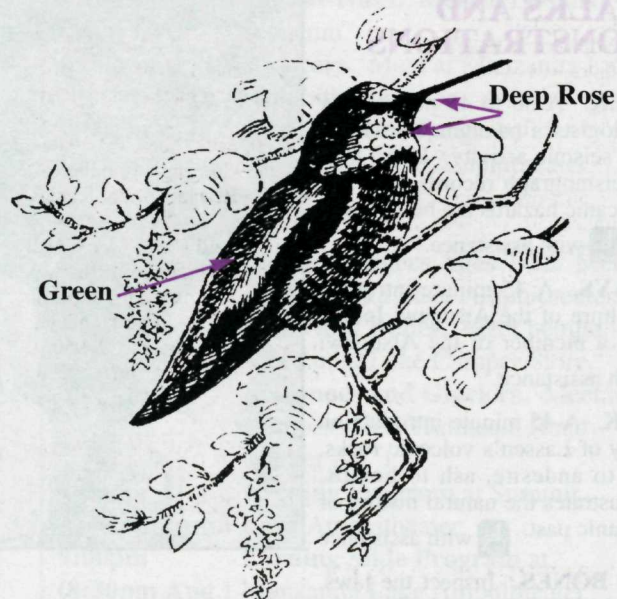
Birds have been an important part of peoples' lives for thousands of years. We eat them, use their eggs in cooking, and even make clothing from their feathers. People sing about them, paint pictures of them, keep them as pets, and make up stories and myths and dances about them. We even name our kids and cars after them. Can you imagine what life would be like without birds?

Birds are incredible animals that represent an important part of the world's biodiversity. In Lassen they can be found anywhere in the park any time of the year. Some of the birds that live at Lassen are truly amazing in their adaptations and lifestyles.



Bufflehead Duck
12-15" long

One of our summer residents is the **Bufflehead Duck** which is the smallest diving duck in North America. This duck is the size of a small pigeon and weighs less than one pound. It can fly up to 45 miles per hour and winters along the ocean in saltwater bays.



Anna's Hummingbird
3.5 -4.25" long

It nests in tree cavities built by woodpeckers. When the young are only one and one-half days old they drop out of the nesting tree and run to the water. These ducks feed by diving into lakes and catching aquatic insects, snails and bugs. They are fairly com-

mon in the summer on Lassen's backcountry lakes.

Another bird found in the summer at Lassen is **Anna's Hummingbird**. It is the only hummer to winter in the Western United States and the only one of the seven hummingbird species in California that sings. This little bird only weighs one-fifth of an ounce. It feeds on the nectar and insects of many wildflowers. It can hover, fly straight up and down, and backwards and sideways. It can be found throughout the park.

Along with ducks and hummingbirds, the park has many songbirds. Many of these songbirds are neotropical migrants that travel thousands of miles round-trip. Each year the **Yellow Warbler** flies south to winter in Central or South America and returns to Lassen to nest in the summer. Other small birds such as chickadees, kinglets, creepers and nuthatches do not fly south. They choose to stay and take their chances trying to survive Lassen's harsh winters. Feeding on conifer seeds and insect larvae, these hardy residents hold up during high winter storms in tree cavities chiseled out by the park's woodpeckers.

There are over 200 bird species in the park and many amazing stories. Birds represent a rich heritage and an important part of Lassen's natural history. As park visitors, it is important to remember not to feed or disturb them. All birds and other wildlife are protected in the park.

Birds are a true inspiration and a joy to observe. Treat them with respect and keep your eyes and ears open for our feathered friends.

Park bird lists are available at the Loomis Museum and Park Headquarters.

What Birds Really Eat

People from all over the world love to visit parks to enjoy the beauty and the wildlife. The most commonly seen wildlife in Lassen Park are birds. Many people like to feed birds, especially in their backyards, but when you are in Lassen or any other national park, you are not allowed to feed the wildlife. It is against the law to feed the birds and animals in the park. All wildlife need to rely on themselves for their survival.

Birds eat food that most humans would not even dream of eating, such as insects like beetles and flies. Some birds also eat rotting fish, animal flesh, worms, spiders, poison berries and seeds. Birds need a well-rounded diet that includes carbohydrates, fats, vitamins, minerals and proteins. Sometimes birds will swallow sand grains and small pebbles to help digest their food. These stones or grinding aids are stored in the bird's gizzard to aid in extracting the nutrients from their food.

The birds that live in Lassen eat a variety of food. The **Brown Creeper** and the **Pine Siskin** are birds commonly seen in Lassen's coniferous forests. The Brown Creeper's diet includes spiders and some nuts. The Pine Siskin eats the seeds from trees and grass. It also eats nectar and tree sap and forages in flocks.

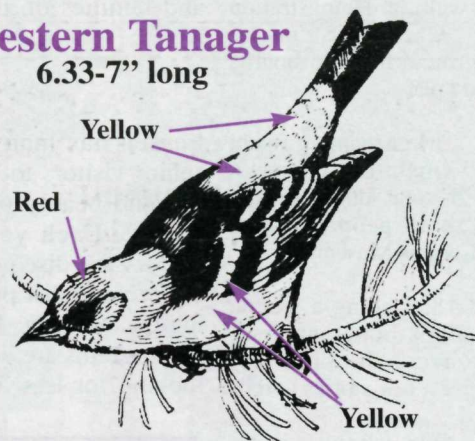
The **Rufous Hummingbird** eats spiders, tree sap and nectar. This hummingbird will stake out individual territories in evergreen forests, meadows and riparian areas.

The **American Coot**, most commonly seen at Manzanita Lake, eats algae, other aquatic vegeta-

tion, fish, snails and worms. They will also eat the eggs of other marsh-nesting birds. They are opportunistic feeders and will steal food from ducks and swans.

Perhaps you will hear the repeated call of the

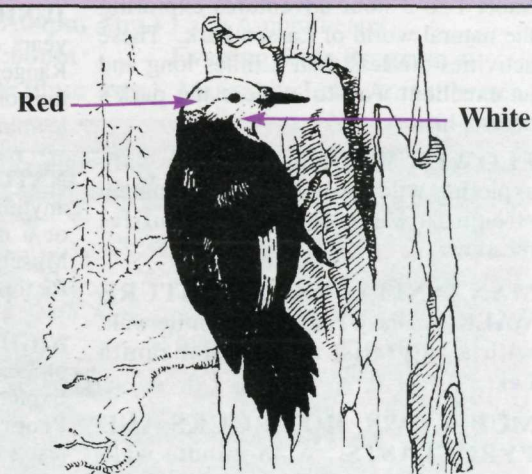
Western Tanager
6.33-7" long



Western Tanager, an ascending "tuweet tuweet" or "prit-it prit-it." This brightly colored summer visitor feasts on insects and small fruit.

Another bird you might hear and see is the **White-headed Woodpecker**. This woodpecker dines on pine seeds, insects and spiders. You might see the White-headed Woodpecker clinging to trees upside down. They are commonly viewed around the Loomis Museum.

So what harm is it to feed the birds? Feeding birds and other wildlife may make them dependent



White-headed Woodpecker
9" long

on humans, leaving them less likely to succeed in a wild, natural environment like Lassen. The birds and animals that learn to depend on human food sources become less motivated to forage for themselves resulting in malnutrition and sickness. Even feeding moldy bread to ducks may make them sick; it may even lead to death.

If you get close enough to any of the birds in Lassen Park, in your campsite, at a lakeshore or at one of the scenic viewpoints, please remember to not feed the wildlife.

You could color in the drawings
on this page.



Visitor Services

Lodging meals, gifts and services are available in and around Lassen Volcanic National Park.
Inquiries or reservations should be directed towards the individual business.

~ INSIDE LASSEN PARK ~

Lassen Chalet Cafe & Gift Shop, California Guest Services, Inc., Adobe Plaza, 2150 Main St., Suite 5, Red Bluff, CA 96080, (916) 595-3376 - Southwest Entrance - Cafe serving breakfast and lunch daily, dinners during July and August, outside deck dining, gift shop.

Manzanita Lake Camper Store, California Guest Services, Inc., Adobe Plaza, 2150 Main St., Suite 5, Red Bluff, CA 96080, (916) 335-7557 - Manzanita Lake - Camping supplies, gasoline, propane, groceries, self-serve food service, gift shop, showers, laundromat, fishing tackle.

Drakesbad Guest Ranch, California Guest Services, Inc., Adobe Plaza, 2150 Main St., Suite 5, Red Bluff, CA 96080, ask operator in Susanville, California, for Drakesbad Toll Station #2 - 47 miles from Southwest Entrance, 18 miles from Chester in Warner Valley area - Full American Plan, lodging, meals, swimming pool, horseback riding (call for availability), reservations advisable.

SOUTHWEST OF PARK

Lassen Mineral Lodge, P.O. Box 160, Mineral, CA 96063, (916) 595-4422 - 9 miles west of Southwest Entrance on Highway 36 - Restaurant, bar, motel with pool, general store, gift shop, restaurant open daily from Memorial Day weekend through October.

McGoverns' Vacation Chalets, 563 McClay Road, Novato, CA 94947, (415) 897-8377 - 9 miles west of Southwest Entrance on Highway 36 in Mineral - Accommodations.

Mineral Gas Mart, P.O. Box 10, Mineral, CA 96063, (916) 595-3222 - 9 miles west of Southwest Entrance on Highway 36 - Gasoline, diesel, ice, minimart, open daily.

Volcano Country RV Park, P.O. Box 55, Mineral, CA 96063, (916) 595-3347 - 9 miles west of Southwest Entrance on Highway 36 - Campground, full RV hookups and dump station, tents, showers, laundromat, firewood, post office, AAA approved.

Lassen Lodge Cabins, Mike Kehm, 35350 Highway 36 E., Paynes Creek, CA 96075, (916) 597-2952 - 13 miles west of Southwest Entrance on Highway 36 - Cabins with kitchens, woodstoves.

SOUTHEAST OF PARK

Childs Meadows Resort, 41500 Highway 36 E., Mill Creek, CA 96061, (916) 595-3383 - 9 miles east of Southwest Entrance on

Highway 36 - Motel, cabins, RV hookups, campground, laundromat, showers, store, pool, tennis court, private horseowner facilities, pit barbecue.

Camp Tehama, Route 5, Box 2000, Mill Creek, CA 96061, (916) 595-3476 - 10 miles east of Southwest Entrance on Highway 172 off 36 - Group facilities for up to 200 campers, cabins, dorms, cafeteria-style kitchen, showers, amphitheater, covered recreation/picnic area.

Mill Creek Resort, Mill Creek, CA 96061, (916) 595-4449 - 11 miles east of Southwest Entrance on Highway 172 off 36 - Coffee shop, groceries, cabins, RV hookups, laundromat, showers, post office, campground.

Deer Creek Lodge, Route 5, Box 4000, Mill Creek, CA 96061, (916) 258-2839 restaurant, (916) 258-2939 lodging - 15 miles east of Southwest Entrance on Highway 36 - Restaurant, bar, cabins, trailer park, propane.

Black Forest Lodge, Route 5, Box 5000, Mill Creek, CA 96061, (916) 258-2941 - 20 miles east of Southwest Entrance on Highway 36 - Motel open year-round. Restaurant, German and American food, open daily 8am to 9pm beginning May 17, closed Mondays.

St. Bernard Lodge, Route 5, Box 5500, Mill Creek, CA 96061, (916) 258-3382 - 20 miles east of Southwest Entrance on Highway 36 - Restaurant, bar, camping, closed Tuesdays and Wednesdays.

Chester, CA, Chamber of Commerce, P.O. Box 1198, Chester, CA 96020 - 27 miles east of Southwest Entrance on Highway 36 - Groceries, gasoline, restaurants, lodging, hospital.

NORTHEAST OF PARK

Hat Creek Resort, P.O. Box 15, Old Station, CA 96071, (916) 335-7121 - 13 miles north of Manzanita Lake on Highway 44 - Motel, cabins, trailer park.

Old Station Cafe & Pub, 13385 Highway 89, Old Station, CA 96071, (916) 335-7516 - 14 miles north of Manzanita Lake on Highway 89 - Cafe open 7am to 2:30pm then 4:30 to 8pm. Pub with snacks and appetizers open 4:30 to 10pm. Barbecue on Saturdays and Sundays from 5 to 8pm June 10 through September. Some lodging. Open April 11 to November 15; closed Tuesdays.

Old Station Chevron, 13413 Highway 89, Old Station, CA 96071, (916) 335-7117 - 14 miles north of Manzanita Lake on Highway 44 - Gasoline, diesel, minimart, restaurant, deli.

Rim Rock Ranch, 13275 Highway 89, Old Station, CA 96071,

(916) 335-7114 - 14 miles north of Manzanita Lake on Highway 44/89 - Cabins, motel rooms, groceries, fishing supplies and licenses, propane, food service across road.

Uncle Runt's Place, Route 2, Box 211, Old Station, CA 96071, (916) 335-7177 - 14 miles north of Manzanita Lake on Highway 44 (Junction 89) - Restaurant open noon to 8pm, bar, open year-round, closed Mondays.

Rancheria RV Park, 15565 Black Angus Lane, Hat Creek, CA 96040, (916) 335-7418 - 22 miles north of Manzanita Lake on Highway 89 - Full hookups, laundromat, showers, groceries, restaurant, trout pond, open year-round.

Rippling Waters Resort, 16241 Highway 89, Hat Creek, CA 96040, (916) 335-7400 - 24 miles north of Manzanita Lake on Highway 89 - Furnished cabins with woodstoves, trout ponds, creeks.

Old Honn Homestead, Hat Creek, CA 96040, (916) 335-7392 - 28 miles north of Manzanita Lake on Highway 89 - Motel, cabins, no food service.

NORTHWEST OF PARK

Shingletown/Mt. Lassen KOA, 7749 KOA Road, Shingletown, CA 96088, (916) 474-3133 - 14 miles west of Manzanita Lake on Highway 44 - Tent and RV hookups and supplies, groceries, propane, laundromat, showers, pool, hiking and bike trails.

Auntie Bo's Bakery, 7379 Auntie Bo's Way, Shingletown, CA 96088, (916) 474-3173 - 15 miles west of Manzanita Lake on Highway 44 - Baked goods, homemade candies, open 5am to 6pm daily.

Big Wheels Loggers Lounge & Cookhouse, 32776 Highway 44, Shingletown, CA 96088, (916) 474-3131 - 15 miles west of Manzanita Lake on Highway 44 - Bar, restaurant, gift shop, lodging available, open daily year-round, 7am to 10pm.

Mill Creek Park, P.O. Box 565, Shingletown, CA 96088, (916) 474-5384 - 15 miles west of Manzanita Lake on Mill Creek Road off Highway 44, turn at Big Wheels - RV hookups, cabins, campground, laundromat, showers, fishing, open year-round.

Weston House Bed and Breakfast Inn, P.O. Box 276, Shingletown, CA 96088, (916) 474-3738 - 19 miles west of Manzanita Lake, 1.5 miles off Highway 44 - Open year-round, call for reservations and directions.

Shingletown, CA 96088 - 17 miles west of Manzanita Lake on Highway 44 - Groceries, gasoline, restaurants, health clinic.

AUF DEUTSCH

Willkommen! Fuer Deutsche Besucher ist bei allen Besucherzentralen (oder Informationszentralen) und den Park-Eingangsstationen eine Informations Broschuere in deutscher Sprache erhaeltlich.

EN FRANCAIS

Soyez les bien-venus! pour les visiteurs de langue francaise un dépliant de renseignements en francais est disponible uax centres de recueils, ainst qu'aux points d'entrees du pare.

LASSEN NATIONAL FOREST INFORMATION

For more information on recreational opportunities and firewood cutting permits in neighboring Lassen National Forest contact:

Hat Creek Ranger District
P.O. Box 220
Fall River Mills, CA 96028
(916) 336-5521

Almanor Ranger District
P.O. Box 767
Chester, CA 96020
(916) 258-2141



The Loomis Museum Association is a non profit organization that was established to provide Lassen Park visitors with books and other informational materials. The items offered are carefully screened and represent the most relevant to Lassen. The Association publishes books, posters, postcards and videos.

Profits are used to support park interpretive and visitor service activities. For example, the Association provided funds to produce this newspaper.

☐ Please send me information on Loomis publications.

☐ Please send me information on becoming a member of the Loomis Museum Association.

Name _____

Address _____

Mail to the Loomis Museum Association, Lassen Volcanic National Park, P.O. Box 100, Mineral, California 96063-0100 or call (916) 595-4444 ext. 5136.

The Lassen Volcanic National Park Foundation ...



is a private, non profit organization seeking to improve the public's educational and recreational opportunities in Lassen Park and Lassen National Forest.

The Foundation's primary goal is to establish a permanent, year-round visitor center. A variety of projects and exhibits throughout the park and forest are also sponsored.

Foundation members are concerned Lassen supporters who want to make the most of the north-state's greatest environmental resource. Won't you join us.

☐ Enclosed is my donation in the amount of \$ _____. ☐ Please send me more information about the LVNPF.

Name _____

Address _____

Mail to the Lassen Volcanic National Park Foundation,
P.O. Box 8, Mineral, CA 96063-0008
or telephone (916) 898-9309

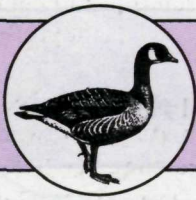
Donations are tax deductible; please make checks payable to the Lassen Volcanic National Park Foundation.

Think Globally, Act Locally. Participate in your local recycling programs; Lassen Park is!



Please donate your recyclable aluminum cans and glass at the Manzanita Lake, Summit Lake, Lost Creek, Warner Valley and Juniper Lake Campgrounds, Kings Creek, Lake Helen and Butte Lake Picnic Areas, and Chalet, Bumpass Hell and Lassen Peak Parking Lots.

Reduce - Reuse - Recycle

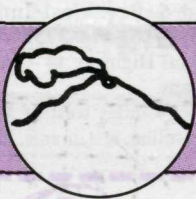


Bird Search

C	L	P	W	A	X	W	I	N	G	E	Q	U	A	I	L
R	A	I	L	R	A	V	E	N	U	T	H	A	T	C	H
E	R	N	U	T	C	R	A	C	K	E	R	U	N	F	U
A	K	E	A	D	V	I	R	E	O	W	L	I	G	L	M
G	U	S	L	D	U	N	O	G	O	O	B	F	R	I	M
L	B	I	T	R	A	C	E	U	Z	O	T	I	O	C	I
E	L	S	W	A	N	G	K	L	R	D	E	N	U	K	N
G	A	K	J	U	N	C	O	L	D	P	A	C	S	E	G
R	C	I	S	W	A	L	L	O	W	E	L	H	E	R	B
E	K	N	T	O	W	H	E	E	S	W	A	E	M	L	I
T	B	W	O	O	D	P	E	C	K	E	R	R	A	O	R
B	I	R	C	H	I	C	K	A	D	E	E	O	L	O	D
H	R	E	H	O	P	C	F	A	L	C	O	N	L	N	Q
A	D	N	R	W	P	A	N	I	G	H	T	H	A	W	K
W	A	R	B	L	E	R	F	O	R	O	S	P	R	E	Y
K	J	A	Y	C	R	E	E	P	E	R	L	V	D	N	P

Find these birds seen in Lassen Park and circle them. Bird names can be written forward, down or diagonally.

Blackbird	Mallard
Canada Goose	Nighthawk
Chickadee	Nutcracker
Coot	Nuthatch
Creeper	Osprey
Dipper	Owl
Duck	Pine Siskin
Eagle	Quail
Egret	Rail
Falcon	Raven
Finch	Robin
Flicker	Swallow
Grouse	Swan
Gull	Teal
Hawk	Towhee
Heron	Vireo
Hummingbird	Warbler
Jay	Waxwing
Junco	Woodpecker
Lark	Wood Pewee
Loon	Wren



Lassen Park Road Markers

1. Raker Memorial
2. Brokeoff Memorial Trail
3. Southwest Entrance Station
4. Lassen Chalet & Southwest Campground
5. Sulphur Works
6. 7,000' Elevation
7. Brokeoff Mountain
8. Diamond Point
9. Lassen Peak Sign
10. Sloping Layers of Lava and Ash
11. Huge Boulders
12. Diamond Peak
13. Head of Little Hot Springs Valley
14. Emerald Point
15. Emerald Lake
16. Glacial Erratic
17. Bumpass Hell Parking Area & Trail
18. Lake Helen
19. Lake Helen Picnic Area
20. California Snow Survey Site
21. Lake Helen & Western Remnants of Mt. Tehama
22. Lassen Peak Trail Parking Area
23. Summit Sign, Road's Highest Point
24. Whitebark Pine
25. Lake Almanor & Mount Harkness
26. Fissures in Rocks
27. Trail Sign
28. 8,000' Elevation Marker
29. Upper Kings Creek Meadow
30. Kings Creek Picnic Area
31. Reading Peak
32. Kings Creek
33. Dwarf Mistletoe on Red Fir Trees
34. Lake Almanor & Warner Valley
35. Red Fir
36. Summit Lake
37. Summit Lake Ranger Station
38. Trailhead
39. Dersch Meadows
40. Forest Succession
41. Devastated Area
42. Hat Lake Parking Area
43. Hat Mountain
44. Devastated Area
45. Raker Peak & Survivors Hill
46. Old Boundary Spring
47. Quaking Aspen Grove
48. Hot Rock
49. Lost Creek Crossing
50. West Boundary of Devastated Area
51. White Fir Forest
52. Lost Creek Diversion Dam
53. Natural Reforestation
54. Sugar Pine
55. Lost Creek & Crags Campgrounds
56. Ponderosa Pine
57. Micro-Climate Forest
58. Rocky Tallus Slope
59. Prospect Peaks
60. Nobles Pass
61. White Fir, Sunflower Flat
62. Chaos Jumbles
63. Chaos Crags
64. Loomis Museum
65. Reflection Lake
66. Manzanita Lake
67. Manzanita Lake Entrance Station

Numbers correspond with numbered markers along the road indicating points of interest. The fume cloud in the markers points in the direction of the feature. If you are entering from the

Manzanita Lake entrance, start with last number and read in descending sequence. This information is printed in greater detail in the **Lassen Park Road Guide**.

