

The Tahoma News September 4 - December 31, 2012

Winter Road Closures

As autumn progresses toward winter and storms bring increasing amounts of snow to Mount Rainier, roads will close for winter. Look for most roads to reopen in May or June.

- Stevens Canyon Road is closed to through traffic due to road construction (see the article below).
- Sunrise Road closes at the junction with White River Campground Road every night beginning in late September. It reopens each morning as conditions permit. Overnight parking is not allowed at Sunrise when the road is closed nightly. The entire road will be closed for winter at the SR 410 junction on October 8, or earlier with the first heavy snowfall.
- Washington State Department of Transportation is scheduled to close SR 410, Chinook Pass, and Cayuse Pass on November 13, and SR 123 on November 26. Call 1-800-695-ROAD for current status. Early snowfall could cause winter road closures prior to scheduled dates.
- Mowich Lake Road closes October 29, or with the first snowfall.
- The road between Nisqually Entrance and Longmire remains open throughout winter except during extreme weather.
- The road between Longmire and Paradise closes nightly from October 29 through winter.
 It reopens the following morning or when snow removal activities allow.

Poor visibility and reduced traction present driving hazards during winter. Shady areas and bridge surfaces can be treacherously icy even when other sections of roadway are not. While in the park, you are required to carry tire chains that fit your vehicle (including four wheel drive and all wheel drive vehicles). Make sure you can install them safely. Use caution and stay alert.

Travel Advisories: Roadwork Ahead

Stevens Canyon Road

This fall, rehabilitation work continues on Stevens Canyon Road. Following Labor Day, the road will be *closed to all vehicles and bicycles* from just east of the intersection with the Paradise Valley Road to just west of the Box Canyon overlook, due to major roadway stabilization work near Inspiration Point and Bench Lake curve.

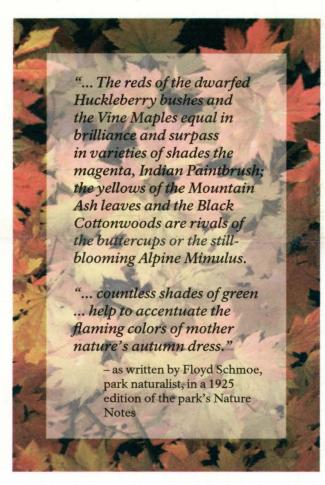
During the closure, visitors
wishing to drive to the Paradise
area must enter the park from the
southwest via Nisqually Entrance
at the east end of SR 706. Box Canyon
may only be accessed from the east

via Stevens Canyon Entrance. Visitors traveling between the park's west side (Longmire/Paradise/SR 706) and the east side (Ohanapecosh/White River/SR 123) must take a detour route outside the park. The recommended route follows SR 7 and US 12 via the towns of Elbe, Morton, and Packwood. Box Canyon can be accessed from the east.

The project is estimated for completion by October 2013. No road closures are anticipated during 2013.

Mountain Colors

Mount Rainier is famous for its magnificent wildflower meadows in summer and abundant snowfall in winter. Fall is another remarkable season on the mountain with crisp, clear days more the norm than the exception in early to mid fall than in summer. Bears frequent the meadows to forage on huckleberries. A highlight of the season is the vibrant colors of fall foliage from the old growth forest up to the subalpine meadows at treeline.



Viewing Fall Colors

- Look for changing vine maple at lower elevations throughout the park
- Take the three-mile drive out Westside Road to see fall colors. Hike from there to enjoy more fall foliage.
- Hike Grove of the Patriarchs and Eastside Trail to see the colors reflected in the Ohanapecosh River.
- Photograph the historic rustic buildings accented by fall colors at Longmire.
- See the subalpine meadows cloaked in the red and orange of changing huckleberry at Paradise, Sunrise, and throughout the park's backcountry.
- Take a drive on the eastside roads (SR 123 and SR 410), famous for their fall colors.
- Stop at viewpoints to see slopes and avalanche tracks awash in the colors of fall.

Climate Friendly Parks!

Mount Rainier National Park is a climate friendly park with a goal of becoming carbon neutral by 2016 - the centennial of the National Park Service.

You can participate in the Climate Friendly Parks effort! Calculate your carbon footprint, set your personal goals, and find other information at www.nps.gov/climatefriendlyparks.

Welcome...

...to fall at Mount Rainier! As the alltoo short summer season comes to an



Superintendent Randy King

end at "The Mountain", a wonderful new season begins. The warm days begin to get cooler, and daylight hours become shorter. It is a season of transition, and still, a wonderful time to visit and experience your park. Fall's colors replace summer's flowers, and over 260 miles of trails beckon you to get up close and personal with Mount Rainier.

In late September, I'll be taking a week off to hike the 93-mile Wonderland Trail with friends. My wife, Sally, and I previously hiked sections of the trail with our young sons over a three-year period. Those hikes are among our most cherished family memories. Mount Rainier is like that...a place where beauty, challenge, and the people we share and experience it with, have been creating best memories for generations of visitors.

Please enjoy, share and protect your park; be mindful of its hazards – for the Mountain can also be an unforgiving place – and may your visit become part of a cherished, personal connection with Mount Rainier.

Randy King, Superintendent

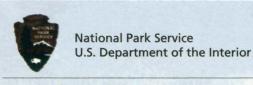
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Mount Rainier National Park

Superintendent

Randy King

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Park Headquarters (360) 569-2211

(360) 569-2177 TDD

Lost and Found (360) 569-6608

Websites

Mount Rainier National Park: www.nps.gov/mora North Coast and Cascades Science & Learning Network: http://nwparkscience.org/

Official Social Media Sites

Facebook: www.facebook.com/MountRainierNPS Flickr: www.flickr.com/groups/MountRainierNPS Twitter: www.twitter.com/MountRainierNPS YouTube: www.youtube.com/MountRainierNPS



EXPERIENCE YOUR AMERICATM

Bicycling Opportunities

Bicycling on park highways has become increasingly popular. However, winding roads, blind curves, heavy traffic, and very narrow road shoulders present safety issues. Here are options for cyclists seeking less crowded routes during the fall season:

- white River and Sunrise Roads: After these paved roads close for the season to vehicle traffic (usually in late October, depending on weather conditions), bicyclists and hikers may travel on them from the SR 410 junction to Sunrise (6 miles one-way to White River Campground, 16 miles one-way to Sunrise). Road maintenance may require closure of the Sunrise Road at any time.
- Westside Road: A popular mountain-bike route, this gravel road is 13 miles one-way with an elevation gain of approximately 1,120 feet. The road ends at Klapatche Point. The first three miles are also open to motor vehicles; the last 10 miles are open to hikers and bicyclists.
- Carbon River Road: This gravel road in the park's northwest corner was damaged by flooding in 2006, and is now open only to hikers and bicyclists beyond the ranger station at the park boundary. The road gains approximately 600 feet in elevation along its 5-mile length; some sections are rough and rocky. The road ends at Ipsut Creek backcountry camp, beyond which only hikers are allowed.

Remember, there are no designated bike trails in the park. Bicycles are not permitted on any park trails, or in any off-trail areas. Bicyclists may only ride on public roads and campground roadways, and are subject to the same laws as motor vehicles. Please obey all posted traffic signs, and yield to pedestrians at all times. Travel safely, and always wear a helmet.

Mount Rainier: An Active Volcano

Active steam vents, periodic earth tremors, and historic eruptions provide evidence that Mount Rainier is sleeping, not dead. Seismic monitoring stations around the mountain should provide days or weeks of advance warning of impending eruptions. Other geologic hazards, however, can occur with little warning. These include debris flows and rockfalls. The more time you spend in an area with geologic hazards, the greater the chance that you could be involved in an emergency event. While most people consider the danger to be relatively low, you must decide if you will assume the risk of visiting these potentially dangerous locations.



If you are near a river and notice a rapid rise in water level, feel a prolonged shaking of the ground, and/ or hear a roaring sound coming from

upvalley – often described as the sound made by a fast-moving freight train – move quickly to higher ground! A location 200 feet or more above river level should be safe.

Detailed information is available at park visitor centers or from scientists at the U.S.G.S. Cascades Volcano Observatory, 1300 SE Cardinal Court, Building 10, Suite 100, Vancouver, WA 98661, or visit the U.S.G.S. Cascade Volcanoes website: vulcan.wr.usgs.gov.

Keep Wildlife Wild!

Feeding wildlife is a significant management issue at Mount Rainier National Park. Early in the history of national parks, people were encouraged to get close to and even feed wild animals. We now know that this can be harmful to both people and wildlife. Still, one of the most common mistakes people make is to feed wildlife. Visitors seeking a connection with animals think they are "helping" them. But in fact it puts both the animals and the visitor at risk.

Mount Rainier has introduced "Keep Wildlife Wild" buttons to expand our educational message against feeding wildlife. Five different species of native wildlife especially susceptible to feeding (Townsend's chipmunk, gray jay, Steller's jay, blacktailed deer, and Cascade red fox) are featured on different buttons for visitors to wear. Buttons are available at the Paradise and Sunrise visitor centers. All donations support ongoing educational efforts to protect the wildlife that live in the park.

Help us keep wildlife wild by following these simple rules:

- Do not feed, touch, approach, or disturb the wildlife.
- Store your food in an animalproof container, or inside your closed car.
- Don't leave food, beverages, pet food or toiletries unattended for any length of time.
- Clean up picnic areas after you eat-pick up crumbs so the wildlife won't do it for you.

Enjoy Your Visit, Protect Your Park

Mount Rainier National Park was established in 1899 to preserve the natural and cultural resources in this area and to provide for public benefit and enjoyment. Please enjoy the park safely and courteously, and help protect park resources by following these rules:

- Pets must be on leashes no longer than six feet and are not allowed in buildings, on trails, offtrail, or on snow.
- · Do not feed, approach, or disturb the wildlife.
- · Stay on designated trails.
- Make fires only in a fire grill. Collecting firewood is prohibited.
- · Bicycle only on roads, not on trails.
- Camp in designated campsites only. Sleeping in vehicles outside of campgrounds is not permitted.
- The use of firearms is prohibited within Mount Rainier National Park. Also, federal law prohibits firearms in certain facilities in this park; those places are posted with signs at public entrances. People who can legally possess firearms under federal, Washington State, and local laws may possess them in the park.

Winter Group Camping

Winter camping at Paradise is permitted when there is sufficient snow (generally mid-December through April). Parties of 13 to 100 must camp in one of the designated group camping areas at Paradise and must pre-register. Please call 360-569-6575 (Monday - Friday, 9 a.m. - 4 p.m.) at least 2 weeks in advance. Provide group name, leader name, party size, date requested, and a call-back phone number. Your pre-registered permit will be available for pickup at the Longmire Museum on the day of your arrival to camp. Reservations are accepted starting October 1. Hard-sided food storage containers are required in all Paradise area winter camping zones. Wildliferesistant food containers are available for loan-ask a ranger when obtaining your camping permit.

Accessibility

Most comfort stations, visitor centers, picnic areas, and designated campsites are accessible or accessible with help for wheelchair users. Accessible lodging is available inside the park and in local communities. In the Jackson Visitor Center at Paradise, the audiovisual programs are captioned; assistive listening devices are available for the park film; an audio described tour of the exhibits is available; and the building and exhibits are accessible to wheelchair users. At the Sunrise Visitor Center, the newly-renovated interior and exhibit area are accessible with help via the north entrance. The Kautz Creek Boardwalk Nature Trail is accessible when snow-free. In Longmire, the east side of the unpaved Trail of the Shadows loop is accessible with help. During summer, two accessible trails lead to the base of the Paradise meadows, and a portion of the trails at Paradise are accessible with help; inquire at the Jackson Visitor Center for more information. TDD: (360) 569-2177

Park Partners

Who's responsible for protecting Mount Rainier National Park? Everyone! Here are some groups that deserve special thanks. For more information on these partners, and how to join the effort, please visit their websites.



Mount Rainier National Park Volunteers www.nps.gov/mora/ supportyourpark/ volunteer.htm



Discover Your Northwest www.discovernw.org



Washington's National Park Fund www.wnpf.org



Student Conservation Association www.thesca.org



Washington Trails Association www.wta.org

If You See a Black Bear or a Mountain Lion

Mount Rainier National Park provides habitat for many animal species. Among the largest and most feared are the black bear and the mountain lion. Though you are not likely to see them, if you do meet one of these larger mammals, your best defenses are awareness and knowledge.

The best way to avoid unwanted encounters is to be alert, and don't attract or surprise them. Wildlife tend to have a "personal space", and if you enter that space they may become aggressive. Watch them from a distance. Watch for evidence of their presence such as scat and tracks. Bears commonly rip up logs for insects, and usually leave lots of scat around. Mountain lions cover their scat by raking dirt with their rear feet. Keep all food and attractants, including trash, securely stored and inaccessible to wildlife. Food conditioning, where animals associate people with food, is one of the leading causes of human injuries from bears.

Close Encounters With Black Bears

Although black bear attacks are extremely rare in the United States and have never occurred in this park, your safety depends mostly on your own actions. If you encounter a black bear, do not run,



but back away slowly and leave the area. A defensive bear will appear agitated and will often give visual and vocal warnings like swatting or stomping the ground, exhaling loudly, huffing, snapping teeth, or lowering the head with ears drawn back while facing you. This response may

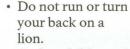
escalate to a charge. Bears respond to people in different ways - take time to understand the signals. Be aware of aggressive signals and know how to respond to prevent close encounters.

If Charged by a Black Bear

- If the bear stops, slowly back away while talking, keeping the bear in view while leaving the area.
- · If it continues, act aggressively, shouting and throwing rocks or sticks.
- If the bear attacks and you have food, distance yourself from the food.
- · If the bear attacks and you do not have food, fight back aggressively. This is likely a predatory attack, and the bear is treating you as prey.

Close Encounters With Mountain Lions

Mountain lions (also known as cougars) usually do not like confrontation. If you see one, give it plenty of space so it can get away. Never approach cougar kittens. Leave the area immediately.



- Gather children with adults. Quickly pick up and hold small children.
- Stand in a group with your companions.
- If the lion moves toward you, wave your arms and make noise. Make yourself look large, intimidating and in control: stand up tall, open your jacket, yell, throw things.
- · Back away slowly while facing the animal.
- If attacked, fight back aggressively. Stay standing. Hit as hard as possible especially to the head. Use a stick or rock as a weapon. Throw dirt in the eyes. Protect your head and

Report all bear and mountain lion sightings to a ranger.

Secrets to a Safe and Enjoyable Hike

Hiking at Mount Rainier National Park can mean adventure, exploration, learning, or just plain having fun! The secret to a great hike? Staying safe!

Hikers need to emphasize personal safety as they journey by foot through the backcountry and along many of the popular trails. For trail information, talk with a ranger at any visitor center or wilderness information center. Use the following tips to keep your journey safe.

Use Common Sense

- Protect yourself by wearing appropriate outdoor clothing including footwear.
- Be prepared. Carry the ten essentials even on a short sightseeing hike.
- Always tell someone of your travel plans so they can notify the park if you fail to return.
- Do not travel alone. If visibility is poor, do not travel at all.

Pay Attention To The Weather

At Mount Rainier, the weather can change rapidly. Hikers who aren't prepared for weather conditions increase their risk of becoming lost or injured. Avoid problems: plan and prepare for Mount Rainier's changeable weather.

Crossing Streams Safely

Many hikers underestimate the power of moving water and some consider their former successful stream crossings as a ticket to the other side. This may not be true. Regardless of your knowledge, skills, and experience use these pointers in making wise decisions when crossing a stream:

- Early morning when river levels are generally at their lowest is the best time to cross.
- Look for an area with a smooth bottom and slow moving water below knee height.
- Before crossing, scout downstream for log jams, waterfalls and other hazards that could trap you. Locate a point where you can exit if you fall in.
- Use a sturdy stick to maintain two points of contact with the ground at all times.
- Unfasten the belt of your pack so you can easily discard it if necessary.
- Staring down at moving water can make you dizzy. Look forward as much as possible.

Taking these few precautions could save your day...and your life!

Hiking the Muir Snowfield

The Muir Snowfield, a permanent field of snow, ice and rock outcrops, is located north of Paradise between 7,000 and 10,000 feet in elevation. Thousands of people hike on the Muir Snowfield each year en route to Camp Muir. On a clear day, the hike is spectacular. But when the weather deteriorates, as it often and unpredictably does, crossing the Muir Snowfield can be disastrous.

- Avoid the snowfield in questionable weather, especially if you're alone or unprepared. Weather conditions can change suddenly and drastically.
- If you're ascending and clouds or fog start rolling in, turn around and head back to Paradise. If that's not possible, stop moving, dig in, and wait for better weather.
- Without a compass, map, and altimeter, it is extremely difficult to find your way to the trailhead in a whiteout. Carry these items and know how to use them.
- Do not descend on skis or a snowboard in limited visibility — you could become lost.
- When hiking to Camp Muir, be sure to carry emergency bivouac gear so that you can spend the night out if you have to.
- To protect fragile alpine vegetation, hike only on official trails or snow.

While it may be disappointing to abandon your hike to Camp Muir, remember that the snowfield will still be there in better weather.

Carry the "10 Essentials" and know how to use them!

- 1. map of the area
- 2. compass
- 3. extra food & water
- 4. extra clothing (warm!) & rain gear
- 5. emergency shelter
- 6. first aid kit
- 7. flashlight or headlamp
- 8. sun glasses & sun screen
- 9. pocket knife
- 10. matches (waterproof!)

Leave No Trace

Plan ahead & prepare Travel & camp on durable surfaces Dispose of waste properly Leave what you find Minimize campfire impacts* Respect wildlife Be considerate of others

*Fires are for emergency use only; they are not allowed in Mount Rainier's Wilderness

Before you step off the trail...

... consider this: each step into a meadow crushes an average of 20 plants!



When exploring Mount Rainier's fragile meadows,

please hike only on maintained trails or on thick patches of snow.

Climbing

Each year, approximately 10,000 people attempt to climb Mount Rainier. Nearly half reach the 14,410-foot summit. Climbing permits are required for travel above 10,000 feet and/or on glaciers. Climbing information-including fees, routes, and conditions-is available at ranger stations. Guided climbs and climbing seminars are available through:

- Alpine Ascents International
- (206) 378-1927
- International Mountain Guides (360) 569-2609
- Rainier Mountaineering, Inc. (888) 892-5462

Wilderness Camping

Wilderness camping permits are required for all overnight stays in the park's backcountry. Permits and backcountry information are available at all wilderness information centers and most visitor centers (see page 4 for locations and hours).

Although permits are free, there is an optional, feebased reservation system for campers and climbers in effect May through September. Backcountry reservations are \$20 per party (1-12 people) for 1 to 14 consecutive nights.

Seventy percent of all backcountry sites and zones are available for reservation. Permits for the remaining 30% are issued on a first-come, firstserved basis, no more than one day in advance of the start of the trip.

Visitor Facility Hours

Visitor Centers				
Longmire Museum (360) 569-6575	September 4 - October 8 9:00 a.m 5:00 p.m. daily Starting October 9 9:00 a.m 4:30 p.m. daily	Information, exhibits, book sales, gifts		
Henry M. Jackson Visitor Center at Paradise (360) 569-6571	September 4 - October 8 10:00 a.m 6:00 p.m. daily Starting October 9 10:00 a.m 5:00 p.m. weekends and holidays only	Ranger programs, exhibits, information, park film, book sales, gifts, food service		
Ohanapecosh Visitor Center (360) 569-6581	September 4 - October 8 9:00 a.m 5:00 p.m. daily Closed for the season starting Oct. 9	Information, exhibits, book sales, gifts		
Sunrise Visitor Center (360) 663-2425	Closed for the season	Information, exhibits, book sales, gifts		

Wilderness & Climbing Information Centers

Longmire Wilderness Information Center (360) 569-6650	September 4 - October 8 7:30 a.m 5:00 p.m. daily Closed for the season starting Oct. 9	Wilderness camping & climbing permits
Paradise Climbing Information Center (Guide House) (360) 569-6641	September 4 - September 30 7:00 a.m 3:00 p.m. weekends only Closed for the season starting Oct. 1 Midweek and after October 1: climbers self-register at Old Paradise Ranger Station	Climbing & wilderness permits, exhibits, information
White River Wilderness Information Center (360) 569-6670	September 4 - October 8 7:30 a.m 4:30 p.m. daily Closed for the season starting Oct. 9	Wilderness camping & eastside climbing permits
Carbon River Ranger	Call for hours.	Wilderness camping &

Food & Lodging

For in-park lodging reservations, call Mount Rainier Guest Services at (360) 569-2275 or go to www.mtrainierguestservices.com

National Park Inn at Longmire Open year-round	Front desk: 7:00 a.m 10:00 p.m. daily Dining room: 7:00 a.m 7:00 p.m. daily (7:00 a.m 8:00 p.m. Fri/Sat/holidays)	Lodging, dining room
Longmire General Store Open year-round	10:00 am - 5:00 pm daily	Gifts, apparel, snacks, winter recreation equipment rentals
Paradise Inn	Front desk open 24 hours daily Closed for the season starting Oct. 2	Lodging, dining room, cafe, gift shop, post office
Paradise Camp Deli and Gift Shop, in the Jackson Visitor Center at Paradise Open year-round	September 3 - October 8 10:00 a.m 6:00 p.m. daily Starting October 13 11:00 a.m 4:45 p.m. weekends and holidays only	Food, gifts, books, apparel
Sunrise Day Lodge Snack Bar & Gift Shop	Closed for the season	Food and gifts. Day use only, no overnight lodging

Gasoline, lodging, dining, religious services, recreation equipment rentals, and other services are available in local communities A list of these services is available at park visitor centers and on the park's website at www.nps.gov/mora. GASOLINE IS NOT AVAILABLE IN THE PARK

Chainsaws in the Park: **Removing Hazard Trees**

This fall you may hear the incongruous sounds of chainsaws and falling trees in the park. Crews will be felling and topping specific trees as part of the park's annual hazard tree mitigation efforts. A hazard tree is one with compromised structural integrity that could cause injury to people or damage to facilities if all or part of it failed; any tree within striking distance - defined as one tree length of developed areas can become an eventual hazard. Trees in developed areas are subject to damage from soil compaction and mechanical injury which - along with natural phenomena such as insect infestation, fungal disease, high winds, drought, flooding, and heavy snow loads - can eventually lead to the structural failure of a tree.

In an effort to reduce the risk posed by defective trees while maintaining natural values, Mount Rainier National Park employs a systematic approach to hazard tree management. Once a hazard tree has been identified, it is evaluated and assigned a numerical rating on a scale of 2 to 8. A large, highly defective tree within striking distance of administrative or visitor facilities would receive the highest rating of 8, while a small tree, one with few or minor defects, or a highly defective one with no buildings or continuously occupied areas within its target range, would receive a lower rating. All or part of the tree may be removed to mitigate the hazard.

If you are in a place where hazard tree mitigation activities are about to begin, you may be asked to leave the area. Do not approach areas where you hear chainsaws running, and do not cross tape lines or bypass barricades and warning signs – these are in place to ensure your safety. Your cooperation is greatly appreciated.

Firewood: Buy It Where You Burn It!

Washington forests are in jeopardy from the transportation of invasive insects and diseases in firewood. New infestations of tree-killing insects and diseases often are first found in campgrounds and parks. Here's what you can do to help:

- Buy firewood near where you will burn it-that means the wood was likely cut within 50 miles of where you'll have your fire.
- Wood that looks clean and healthy can still have tiny insect eggs, or microscopic fungi spores, that will start a new and deadly infestation. Always leave it at home, even if you think the firewood looks fine.
- Aged or seasoned wood is still not safe. Just because it is dry doesn't mean that bugs can't crawl onto it!
- Tell your friends not to bring wood with them. Everyone needs to know that they should not move firewood.

To make sure invasive insects are not spread on firewood, use firewood from local sources. In other words, buy it where you plan to burn it. More information is available online at www.dontmovefirewood.org.

Drive-in Campgrounds Maximum **Group Fees Toilets** Dump Campground **Open Dates** Elev. **Sites** Fee Group Sites Station **RV/Trailer Length** RV 35'/Trailer 27' Cougar Rock* May 25-Oct. 8 5 3,180 173 \$12/15* \$40-64 Flush Yes \$12/15* 2 RV 32'/Trailer 27' Ohanapecosh* May 25-Oct. 8 1,914' 188 \$40 Flush Yes RV 27'/Trailer 18' White River June 29-Sept. 30 112 \$12 0 N/A Flush No 4,232' Mowich Lake Primitive walk-in campground, 200' from parking area to camping area. Tents only. 10 sites, 3 group sites (max. group size 12). No fee (must self-register at campground kiosk). Chemical toilets, no potable water. No fires allowed. Elevation 4,929'; generally open July through early October, depending on road and weather conditions. Call 360-829-9639 for information.

*Advance reservations are recommended for individual sites at Cougar Rock and Ohanapecosh Campgrounds from June 28 through the night of September 2. These can be made up to 6 months in advance. Reservations for group sites are required May 25 through the night of October 7, and can be made up to one year in advance. To make a reservation online, go to www.recreation.gov or call 877-444-6777.

(360) 829-9639