



GRAND CANYON NATIONAL PARK'S

BACKCOUNTRY

TRIP PLANNER - 2000

7/00

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For the most up-to-date backcountry information visit the park's official website at: www.thecanyon.com/nps



Yavapai Point at Grand Canyon National Park. Photo by Lynn Radeka

campgrounds on the rims, you must obtain a permit from the Backcountry Information Center (see procedures outlined on pages 6 & 7).

Rangers recommend that you plan your trip well in advance of your arrival at the park, and when possible, indicate flexibility as to the dates and routes you request. Permit requests for popular hiking seasons — spring, summer, and fall — generally must be made as early as possible (see page 6 for more information). While summer is definitely not the ideal time to hike in the canyon, it remains the busiest hiking season.

The earlier you plan your hike and apply for permits, the more likely you will be to get the dates and itinerary of your choice.

Despite the fact that canyon hiking is extremely demanding, requests for backcountry permits far exceed the use that the canyon's fragile, desert environment can sustain without serious resource damage. Therefore, overnight camping in the canyon and in undeveloped areas along the rim is carefully monitored and controlled, and demand usually exceeds availability.

INTRODUCTION TO HIKING GRAND CANYON

In 1999 Grand Canyon National Park received 30,000 requests for backcountry permits. The park issued 14,000 permits, and close to 60,000 people camped overnight in the backcountry at Grand Canyon. The majority of Grand Canyon hikers are here for the first time, and although many are avid hikers, they find that hiking the Grand Canyon is very different from most other backpacking experiences. They tend to react to the experience in one of two ways: either they can't wait to get back, or they swear they'll never do it again.

Depending upon how prepared you are and what the canyon serves up at any particular time,

your trip can be a vacation or a challenge, a revelation or an ordeal.

You will be hiking in a desert climate, where water and protection from the elements make the difference between life and death. (See climate information on page 9.) Your trip begins at a high elevation (7000-8000 feet) and requires a bone-jarring descent at the beginning of your trip, when your pack is heaviest. You'll face the long climb out when you are already tired.

Grand Canyon National Park encompasses more than 1.2 million acres, the vast majority of which are inaccessible due to the predominance of cliffs, and inhospitable to all but plants and animals able to survive in the desert. The Colorado River bisects the

canyon; hikers can cross the river only at Phantom Ranch. If you choose to hike from rim to river to rim, you will have to deal with an

elevation differential of more than 10,000 feet from start to finish.

If you wish to camp anywhere in the park, other than in developed

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PARK NEWS

During the spring and summer of 1999, Grand Canyon National Park visitors were treated to the sight of California condors soaring over the canyon. These condors were enjoying the park like any human visitor.

The story of condors in the Southwest is an old one with some new chapters. Bones found in caves at the Grand Canyon show that their ancestors have been in this area for the past 50,000 years. Originally condors and some species even larger than the California condor were found throughout much of temperate North America. They were scavengers that fed on the carcasses of large mammals such as mastodons and ground sloths. When these prey species became extinct, the population of condors declined. When Europeans arrived, California condors were found mostly along the Pacific Coast. They perhaps survived on the carcasses of marine mammals that had washed ashore. Condor populations continued to decline over the next several hundred years. The last sighting in Arizona occurred in 1924 near Williams, just south of Grand Canyon. By 1982 the entire population of California condors consisted of twenty-two birds, six of which were surviving in the wild. A decision was made to trap these last free-flying birds and raise them in captivity.

The condors reproduced well in captivity, and in 1992 a few were re-introduced to the wild in California. It was deemed desirable to establish a second population, and Arizona's Vermilion Cliffs, north of the Grand Canyon, were selected as the release site. Beginning in December 1996, a total of nineteen condors were released at three different times at the Vermilion Cliffs site. An additional nine birds were set free in November 1998 at a site on the Hurricane Cliffs west of the previous release site. The most recent release was seven condors from the Hurricane Cliffs site in December 1999. Of the thirty-five birds released in northern Arizona, 2 two were recaptured because

RETURN OF THE CONDOR



NPS photo by Elaine Leslie

they were not adapting to the area and six died. Two of the deaths were human related -- one bird was shot and the other collided with a power line.

California condors live long lives of 60-70 years. They are very communal and like to travel together. This gives young birds a chance to learn successful behavior from the older birds. All of the birds released in Arizona have been young birds that have had to learn survival techniques on their own. In a way, it is surprising that only six have died following re-introduction.

Condors are naturally curious. Unlike their close relative the turkey vulture, condors do not have a sense of smell. Instead, they often find the carrion they need by investigating the activity of other birds. These captive-raised birds seem to

show little fear of humans. This combination of innate curiosity and lack of fear can cause problems.

Because it is undesirable for these young birds to become habituated to people, condors in developed areas and places frequented by visitors are being hazed. This aversive conditioning usually consists of making loud noises to frighten the birds away and must only be done by trained personnel. No techniques will be used that would harm the birds.

The continued existence of free-flying California condors is dependent upon the successful establishment of a self-sustaining population in northern Arizona. Over the next few years we will find out if these young birds can learn to survive and reproduce on their own. Your help in achieving this goal is greatly appreciated.

WHAT TO DO IF YOU SEE

A CALIFORNIA CONDOR

If you should be fortunate enough to see a **California condor**, a large black bird with a featherless head and a prominent wing tag, please remember the following guidelines:

- Do not approach the birds or allow them to approach you. A minimum safe distance of at least 50 feet (15m) must be maintained at all times.
- Do not feed them or leave food out for them.
- If you are backpacking in an area frequented by condors, do not leave your campsite unattended. Condors have been known to destroy tents, packs, sleeping bags, and other equipment while investigating the site.
- Report all sightings to a ranger as soon as possible.

BACKCOUNTRY FEES

Grand Canyon National Park's backcountry fees fund many projects for the canyon and its visitors. It is through these projects that the park is able to improve services and mitigate hiker impacts on trails and campsites. Current projects include the rehabilitation of seventy-one miles of backcountry trails, the replacement and/or servicing of backcountry restrooms, the stabilization of a hiker-frequented archaeological site, and the revegetation and restoration of heavily impacted areas.

Other fee-funded improvements have already been accomplished. Backcountry Information Center hours, phone lines, staffing, training, equipment, and services have been upgraded to provide significantly quicker response to visitor requests for information and permits. Hiker education videos are sent out with advance permits to first-time Grand Canyon trip leaders to prepare hikers for the inner canyon's desert conditions. The Preventative Search and Rescue Program has also been established and has helped reduce the number of visitor-related injuries on canyon trails.

Backcountry fees have changed since they were initiated on January 15, 1997. At that time, backcountry permits were \$20 each plus \$4 per person for each night camped above or below the rim, and one-year Frequent Hiker Memberships were \$50. On February 1, 2000, these fees were revised. Backcountry permits are now \$10 each plus \$5 per PERSON for each night camped below the rim and \$5 per GROUP for each night camped above the rim. One-year Frequent Hiker Memberships are now \$25 and waive the initial \$10 permit fee for each permit obtained by the member trip leader. All fees are non-refundable. However, fees paid for portions of itineraries cancelled at least three days in advance are converted to "hiking credit" (minus a \$10 cancellation fee per permit).

Backcountry fees were changed to improve cost distribution among backcountry users. In the past, a single person on a one-night trip paid a much higher average cost per night than members of groups on longer trips. This inequity is now drastically reduced. Additionally, rim-area projects and repairs typically cost much less than inner-canyon projects and repairs. Lowering rim-area permit fees helps to ensure that rim-area users will not subsidize inner-canyon needs. Now 71% of backcountry permits cost less than they would have in the past, and no individual experiences an increase of more than \$1 per night.

The fee adjustments result in a projected 3.5% loss of revenue and will delay a few fee-funded projects. Nevertheless, by adjusting backcountry fees in this way, the park feels it has taken important and worthwhile steps toward improving service and cost distribution among all backcountry users.

INJURY & ILLNESS PREVENTION

Summer Hiking in GRAND CANYON NATIONAL PARK

HIKE SMART

You are in the DANGER ZONE!

The "Danger Zone" is the combination of distance traveled, elevation, temperature, and direct sunlight that can easily overwhelm your body's ability to keep itself cool, fueled, and hydrated. Due to changing environmental conditions, the Danger Zone generally starts to develop between 1.5 to 3.0 miles down inner canyon trails. IT'S HOT!

Avoid trouble by following the

Principles of Smart Hiking

- Hike during the cooler, shadier times of the day.
- Eat salty foods. Drink water or sport drinks.
- Go slow. Rest often in the shade. Stay cool.
- Plan your hike before you hike.

BE PREPARED  **HIKE INTELLIGENTLY**
YOU ARE RESPONSIBLE FOR YOUR OWN SAFETY

From the cool shade of the canyon rim, you can't sense how hot it is below. One-and-a-half to three miles down the trail, you'll really start to feel the HEAT.



DON'T SUFFER IN THE DANGER ZONE

Dangerously alluring, Grand Canyon hiking trails rapidly descend from the cool shade of the forested rim to the steep, rugged, hot desert below. Your descent into the canyon marks your entry into a world in which planning and preparation, self-reliance, and good choices are crucial. Your safety is your responsibility! Experienced desert hikers know that the timing of their hike is the most important factor in avoiding the hazards of the Danger Zone. Hiking in the early morning or late afternoon shade will greatly enhance your enjoyment of your hike and dramatically reduce the danger of hiking in direct sunlight.

DOUBLE YOUR CALORIES, DOUBLE YOUR FUN

Salty snacks and water or sport drinks should be consumed on any hike longer than 30 minutes. Food is your body's primary source of fuel and salts (electrolytes) while hiking in the canyon. If you do not balance your food intake with your fluid consumption, you run the risk of getting sick. With exertion, you lose salt and may develop a serious heat illness. For every hour hiking in the canyon, you should drink 1/2 to 1 liter of water or sport drink. Your best defense against heat illness and exhaustion is to eat a large breakfast, a full lunch, a snack every time you take a drink, and a rewarding full dinner at the end of the day. This is not a time to diet.

HEAT EMERGENCIES

All hikers feel the effects of heat stress while hiking in desert sun. You may feel the initial symptoms of heat illness as fatigue, a mild headache, or nausea. Help yourself! Find shade, stop hiking, and rest. Cool yourself with water. Start to eat and drink - slowly. You should begin to feel better. If you don't, send for help.

Extreme heat illness can result in life-threatening emergencies. Confusion, unconsciousness, and/or seizures require immediate action. You should:

- Cool the victim with water
- Shade the victim
- Insulate the victim from the hot ground
- Stay with the victim and send for help

HIKING TIPS

1 Be Cool. Soak down your hat and shirt at every water source that you walk past. If you hike in the sun, try to keep yourself soaking wet to stay cool.



2 Rest Often. Find shade, sit down, prop your legs up, and take a 10-minute break at least once every hour.

3 Go Slow. If you can carry on a conversation, you are hiking at the right pace. If you find yourself out of breath, your legs and digestive system are not getting enough oxygen. Lack of oxygen may cause fatigue, heavy legs, and exhaustion.

USE CAUTION



**NEAR
THE
EDGE**

FOOTING
CAN BE DANGEROUS

NPS photo



FIRST TIME BACKPACKING

The following ranger recommendations are founded in a concern for hiker safety and a desire that visitors enjoy their backpacking trip. There are an average of 400 search-and-rescue incidents in the Grand Canyon backcountry every year; the majority involving people on their first hike in the canyon. Remember, there are no easy trails into or out of the Grand Canyon.

PLANNING YOUR TRIP

When planning your trip, remember that the most enjoyable and safest seasons for hiking are spring and fall (*see climate chart on page 9*). It is desirable to schedule at least two nights in the canyon. This allows a rest and recovery day before the hike out and/or reduces the distance to be covered each day. Hikers should consider elevation gain and loss, not just mileage, when researching possible itineraries.

Fifteen trails and numerous obscure routes provide access to the inner canyon. Access to the bottom (2400' above sea level) is possible from both the South Rim (7000' above sea level) and the North Rim (8200' above sea level). **None of these trails are easy.**

Only the South Kaibab, Bright Angel, and North Kaibab Trails are maintained and patrolled by trail crews on a regular basis. These three trails meet at the bottom near the only bridges that span the Colorado River. Together, they create a popular cross-canyon "corridor." These wider Corridor trails offer expansive views, reliable water sources, great camping, and the opportunity for hiking in and out on different trails. Backcountry rangers highly recommend this area, especially for a first Grand Canyon adventure. Most visitors begin and end their hikes on the South Rim.

Suggested itineraries from the **SOUTH RIM** include:

	TRIP A	TRIP B	TRIP C
NIGHT 1	Bright Angel Camp	Bright Angel Camp	Indian Garden Camp
NIGHT 2	Indian Garden Camp	Bright Angel Camp	Indian Garden Camp
NIGHT 3	Hike Out	Hike Out	Hike Out

Roads leading to the North Rim are closed during winter months due to heavy snowfall. Depending upon weather conditions, these roads are usually open from mid-May to mid-October. The hiking distance from the North Rim to the Colorado River is twice as far as from the South Rim to the river. Three nights are the minimum recommended for a round trip from the North Rim.

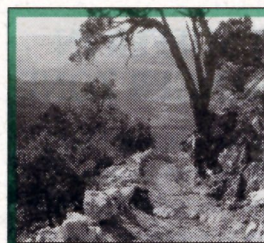
Suggested itineraries from the **NORTH RIM** include:

	TRIP A	TRIP B	TRIP C
NIGHT 1	Cottonwood Camp	Cottonwood Camp	Cottonwood Camp
NIGHT 2	Bright Angel Camp	Bright Angel Camp	Cottonwood Camp
NIGHT 3	Bright Angel Camp	Cottonwood Camp	Hike Out
NIGHT 4	Cottonwood Camp	Hike Out	
NIGHT 5	Hike Out		

Since most people live at elevations near sea level, they find that hiking at high elevations greatly contributes to their fatigue. Canyon topography requires that most hikes begin and end at elevations of 7,000 ft/2100 m (South Rim) to 8,500 ft/2600 m (North Rim).

CONSIDER DAY HIKES

Day hiking is an acceptable and worthwhile alternative if you are unable to obtain an overnight permit. Day hiking can be a safer and more enjoyable choice than an overnight trip into a difficult area that is beyond the capabilities of any single member of your group. Be sure to prepare for your day hike as carefully as you would an overnight trip, and do not attempt excessive mileages. *Permits are not required for non-commercial day hikes.*



THE BASICS ON CORRIDOR TRAILS

DISTANCE VIA	Distance from Rim mi / km	Elevation above Sea Level ft. / m	Drinking Water	Toilet Facilities	Emergency Phone	Ranger Station	Campground	OTHER
BRIGHT ANGEL TRAILHEAD TO:		6860/2091						
Mile-and-a-half Resthouse	1.5/2.4	5720/1743	•	•	•			*Water available May-Sept. only.
Three-Mile Resthouse	3.0/4.8	4920/1450	•	•	•			*Water available May-Sept. only.
Indian Garden	4.6/7.4	3800/1158	•	•	•	•		Picnic tables.
Plateau Point	6.1/9.9	3740/1140						
River Trail Junction	7.7/12.5	2446/746		•				
Bright Angel Campground	9.3/14.9	2480/756	•	•	•	•	•	Picnic tables.
Phantom Ranch	9.6/15.4	2546/776	•	•	•			Reservations required for food service and lodging. Pay phone.
SOUTH KAIBAB TRAILHEAD TO:		7260/2213						
Cedar Ridge	1.5/2.4	6320/1926		•				
Tonto Trail Junction	4.4/7.1	4000/1219		•	•			Distance to Indian Garden via Tonto Trail 4.1 mi./6.6 km.
River Trail Junction	6.0/9.7	2640/805						
Bright Angel Campground	6.8/10.9	2480/756	•	•	•	•	•	Picnic tables.
Phantom Ranch	7.2/11.6	2546/776	•	•	•			Reservations required for food service and lodging. Pay phone.
NORTH KAIBAB TRAILHEAD TO:		8250/2515						
Supai Tunnel	2.0/3.2	6800/2073		•				Occasional seasonal water.
Roaring Springs Trail Junction	4.7/7.6	5200/1585	•	•				*Water available May-Sept. only.
Cottonwood Campground	6.8/10.9	4080/1244	•	•	•	•	•	*Water available May-Sept. only. Picnic tables.
Ribbon Falls Trail - South Junction	8.3/13.4	3720/1134						Waterfalls, day use only.
Phantom Ranch	13.7/22.0	2546/776	•	•				Reservations required for food service and lodging. Pay phone.
Bright Angel Campground	14.1/22.7	2480/756	•	•	•	•	•	Picnic tables.
Colorado River	14.2/22.9	2400/732						

SOUTH KAIBAB TRAIL The trail begins on the South Rim near Yaki Point and descends to the Colorado River. Elevation change from rim to river is 4860 ft (1481 m), along a 6.3-mile (10.1 km) trail. Because of the unavailability of water and steepness of this trail, rangers recommend hiking *down* this trail only—and recommend using the Bright Angel Trail for the *hike out* on the next day.

RIVER TRAIL The trail has little elevation variation and follows the Colorado River for 1.7 miles (2.7 km) between the Bright Angel and South Kaibab Trails. Two foot bridges permit access to the north side of the Colorado River.

BRIGHT ANGEL TRAIL The trail begins on the South Rim just west of Kolb Studio, and descends to the Colorado River. Elevation change from rim to river is 4460 ft (1359 m), along a 7.8-mile (12.6 km) trail.

TONTO TRAIL This trail crosses the Tonto Platform approximately 3900 ft (1189 m) below the South Rim, intersecting both the Bright Angel and South Kaibab Trails.

NORTH KAIBAB TRAIL The trail begins on the North Rim at the head of Roaring Springs Canyon and descends to the Colorado River. Elevation change from rim to river is 5850 ft (1783 m), along a 14.2 mi (22.9 km) trail.

BACKCOUNTRY MAP & CAMPING

This map shows the area where 77% of backcountry use occurs. It is provided to show use area boundaries and to designate campsites only. Maps for planning and route-finding use are available through mail order (see page 16) or at the park.

Code	Use Area Name	Management Zone	Camping Type
AH9	Vishnu	Wild	At Large Camping
AJ9	Cheyava	Wild	At Large Camping
AK9	Clear Creek	Threshold	At Large Camping
AL9	Greenland Springs	Wild	At Large Camping
AP9	Phantom Creek	Wild	At Large Camping
AQ9	Trinity Creek	Wild	At Large Camping
AR9	Scorpion Ridge	Wild	At Large Camping
BE9	Hance Creek	Primitive	At Large Camping
BF5	Horseshoe Mesa	Threshold	Designated Sites
BG9	Cottonwood Creek	Primitive	At Large Camping
BH9	Grapevine	Primitive	At Large Camping
BJ9	Cremation	Primitive	At Large Camping
BL4	Horn Creek	Threshold	Designated Sites
BL5	Salt Creek	Threshold	Designated Sites
BL6	Cedar Spring	Threshold	Designated Sites
BL7	Monument Creek	Threshold	Designated Sites
BL8	Granite Rapids	Threshold	Designated Sites
BM7	Hermit Creek	Threshold	Designated Sites
BM8	Hermit Rapids	Threshold	Designated Sites
BN9	Boucher	Primitive	At Large Camping
CBG	Bright Angel	Corridor	Campground
CCG	Cottonwood	Corridor	Campground
CIG	Indian Garden	Corridor	Campground
NA0	Walhalla Plateau	Primitive	At Large Camping
NB9	Thompson Canyon	Wild	At Large Camping
NC9	Ken Patrick	Primitive	At Large Camping
ND9	Robbers Roost	Primitive	At Large Camping
NF9	Widforss	Threshold	At Large Camping
NG9	Outlet	Primitive	At Large Camping
NH1	Point Sublime	Threshold	Designated Sites
NJ0	Swamp Ridge	Primitive	At Large Camping
SC9	Eremita Mesa	Threshold	At Large Camping

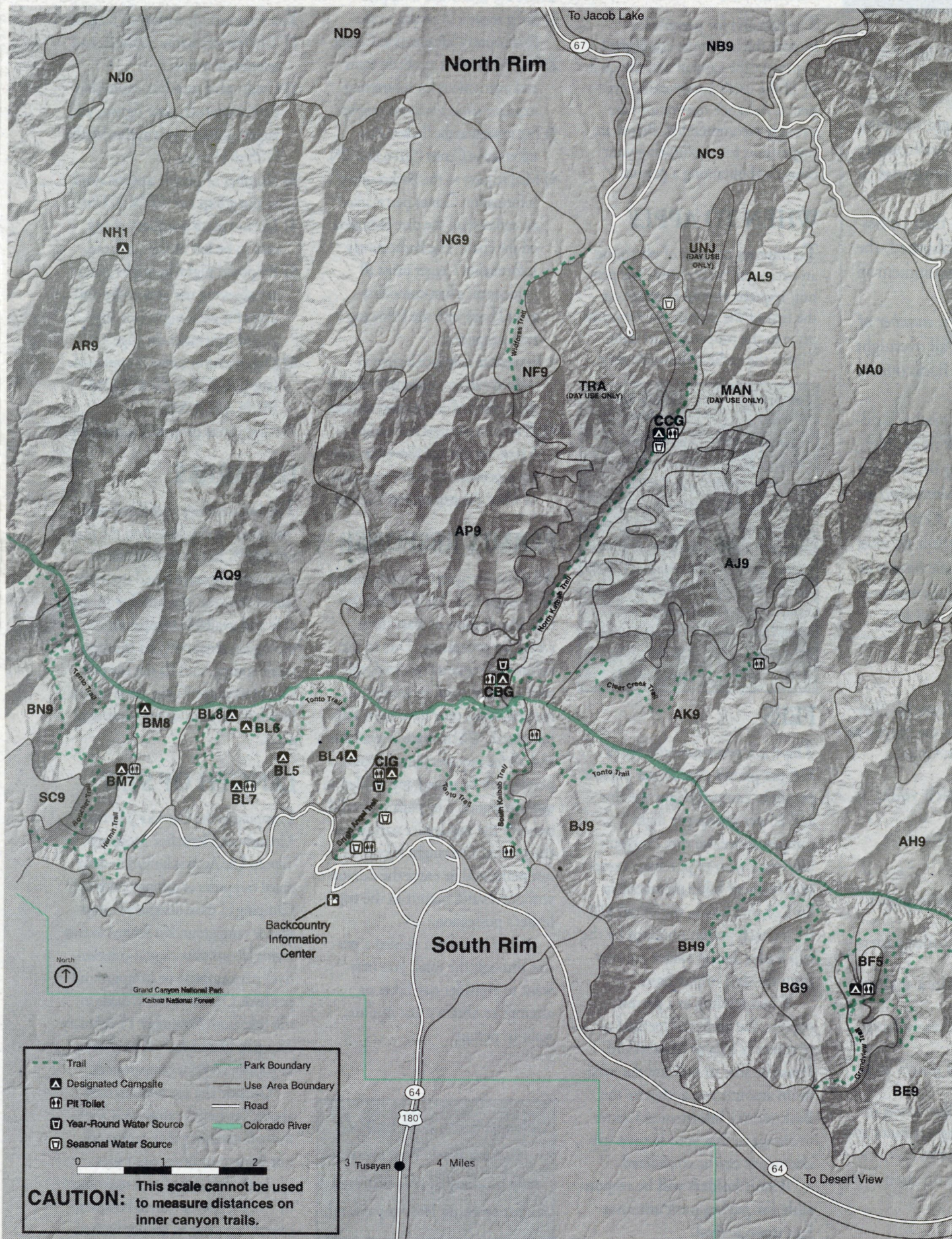
Corridor Zone Recommended for hikers without previous experience at Grand Canyon. Maintained trails. Purified water stations. Paved roads to trailheads. Toilets, signs, emergency phones, and ranger stations. Use of private livestock (horses and mules only) allowed only when specified on permit.

Threshold Zone Recommended for experienced Grand Canyon hikers. Non-maintained trails. Scarce water sources. Dirt roads to trailheads. Pit toilets. Use of private livestock (horses and mules only) allowed with permit only on Whitmore Trail and on designated roads and trails on the rim.

Primitive Zone** Recommended for highly experienced Grand Canyon hikers with proven route-finding ability. Non-maintained trails and routes. 4-wheel-drive roads to trailheads. Occasional signs. No other developments. Use of private livestock (horses and mules only) allowed with permit only on the Ken Patrick Trail to Uncle Jim Trail to Uncle Jim Point and on designated roads on the rim.

Wild Zone** Recommended for highly experienced Grand Canyon hikers with extensive route-finding ability. Indistinct to non-existent routes require advanced route-finding ability. Water sources scarce to non-existent. No other development. Use of private livestock is not allowed.

**** Primitive and Wild Zones are not recommended for use during summer months due to extreme high temperatures and the lack of reliable water sources.**



PERMIT PROCEDURES

DO I NEED A PERMIT?

A BACKCOUNTRY PERMIT IS REQUIRED for all overnight use of the backcountry including overnight hiking, overnight horseback riding, overnight cross-country ski trips, off-river overnight hikes by river trip members, and overnight camping at rim sites other than developed campgrounds. A backcountry permit is not required for overnight stays at the dormitories or cabins at Phantom Ranch.

Backcountry travelers must have their permit in their possession while in the backcountry. Once a camp is established, the permit must be attached to a pack, tent, or other equipment in plain view so it can be easily checked by rangers.

Permits are valid only for the trip leader, itinerary, number of people, and dates specified on the permit. Permits for all overnight backcountry use must be obtained through the Backcountry Information Center at Grand Canyon National Park.

A permit is not required for day hiking or day horseback riding in the canyon. Livestock use is limited to Corridor trails only.

NOTE: *Reservations for overnight tent or RV camping in developed campgrounds on the canyon rims (Mather, Desert View, North Rim) are not obtained through the Backcountry Information Center. The Backcountry Information Center does not make reservations for river trips, mule trips, Phantom Ranch lodging, or trips into the canyon on the Havasupai Indian Reservation. To obtain additional information or reservations for these activities, please refer to pages 11, 12, and 13.*

LEAVE NO TRACE

All Grand Canyon backcountry users are asked to follow *Leave No Trace* principles. The goal is to have minimum human impact on the canyon as a result of your trip. Important *Leave No Trace* principles at Grand Canyon include:

- 1) Be well prepared. Know the route and area in which you're planning to hike.
- 2) Good campsites are found, not made. Altering a site is prohibited.
- 3) Stay on main trails; do not shortcut switchbacks.
- 4) Pack out what you bring in. This includes used toilet paper and all trash.
- 5) Fires are prohibited below the rim. Do not burn toilet paper—pack it out!
- 6) Bury solid human waste at least 200' from water in a shallow cat hole 4-6" deep and 4-6" in diameter.
- 7) To wash yourself or your dishes, carry water 200' away from creeks and potholes. Scatter strained dish water.
- 8) Let nature's sounds prevail. Keep loud voices and noises to a minimum.
- 9) Leave what you find. This is particularly important when it comes to cultural resources of any kind, including artifacts and archeological remains. Leave them as you find them.

More information about *Leave No Trace* is available on their Web site: www.lnt.org

AVAILABILITY OF PERMITS

The demand for permits far exceeds the use limits established to protect the canyon and the quality of the user's backpacking experience. Advance reservations are strongly recommended. Below are suggestions for maximizing your chances of obtaining a permit.

WHEN TO APPLY

To improve chances of obtaining an overnight backcountry use permit, requests should be made on the first of the month, four months prior to the proposed start date. This is the earliest allowable time.

For dates through:	Apply on or after:
September, 2000	May 1, 2000
October, 2000	June 1, 2000
November, 2000	July 1, 2000
December, 2000	August 1, 2000
January, 2001	September 1, 2000
February, 2001	October 1, 2000
March, 2001	November 1, 2000
April, 2001	December 1, 2000
May, 2001	January 1, 2001
June, 2001	February 1, 2001
July, 2001	March 1, 2001
August, 2001	April 1, 2001

FEES

There is a *non-refundable* fee of \$10 per permit plus \$5 per **person** per night camped below the rim and \$5 per **group** per night camped above the rim. Frequent users may wish to purchase a one-year frequent hiker membership for \$25 that waives the initial \$10 fee for each permit obtained by the trip leader during twelve months from the date of purchase.

When sending in a permit request, the preferred method of payment is Visa or MasterCard. Please be sure to indicate the maximum amount you authorize the Backcountry Information Center to charge so that your longest trip alternative can be considered.

Permit holders will be responsible for paying park entrance fees upon arrival.

HOW TO APPLY

There are four ways to apply:

- 1) Bring request in person to the Backcountry Information Center.
- 2) Use the Internet to obtain form and instructions for submitting requests: www.thecanyon.com/nps.
- 3) FAX requests to the Backcountry Information Center (520-638-2125).
- 4) Mail request to the Backcountry Information Center postmarked no earlier than the date indicated on the chart. The Backcountry Information Center treats all requests on a first-come-first-served basis with the following two exceptions:
 - i) immediate assistance is given to walk-in visitors—essentially moving them ahead of unprocessed requests;
 - ii) all written requests received by 5 p.m. on the first allowable date are processed randomly regardless of when the request was received.

PERMIT RESPONSE

All written requests are responded to through U.S. Mail—never by FAX. Please allow at least three weeks for processing. Due to the volume of requests received, the park can not confirm receipt of requests until they have been fully processed. When space is available and all fee requirements are met, a permit will be issued and mailed to the trip leader. The permit is valid only for the trip leader named on the permit. Overnight hikers are not permitted to enter the canyon without a valid permit in the trip leader's possession.

If you have been denied a permit through the mail, you may want to consider day hikes or attempt to obtain a last minute, walk-in permit.

Notice: South Bass Trail and Pasture Wash Trail users may be charged an additional fee for crossing Havasupai land.

INCLUDE WITH YOUR REQUEST

You *must* include with your request:

- 1) Trip leader's name, address, and telephone number.
- 2) Credit card number, expiration date, signature, date signed, and largest amount you authorize the NPS to charge.
- 3) Number of people and/or stock in the group (see STOCK USE).
- 4) License plate numbers of any cars to be left at the trailhead.
- 5) Proposed night-by-night itinerary showing use area codes and dates for each night (see suggested itineraries on page 4).
- 6) Organization name if applicable (see GROUP SIZE & COMMERCIAL USE).
- 7) Alternative proposed itineraries.

USE AREAS

The backcountry is divided into "use areas" as delineated on the map on page 5. Each use area has an overnight capacity based upon the size of the area, the number of suitable and available campsites, its ecological sensitivity, its management zoning, and its use history. Use areas range in size from several hundred acres to several thousand acres.

LENGTH OF STAY

Camping in the Corridor, Hermit, Monument, Horseshoe Mesa, and Tapeats Use Areas is limited to designated campsites or campgrounds only. Camping in these designated campsites or campgrounds is limited to two nights (consecutive or non-consecutive) per campsite or campground per hike. One exception is made to this rule: from November 15-February 28, up to four nights will be allowed in popular corridor campgrounds.

Outside the use areas named above, "at-large" camping is permitted, meaning that camps are not limited to designated sites.

Trips are limited to a maximum of 7 nights per use area; however, overall trip lengths are not limited.

BACKCOUNTRY PERMIT REQUEST FORM

NAME _____ HOME PHONE (_____) _____
 ADDRESS _____ WORK PHONE (_____) _____
 CITY _____ STATE _____ ZIP _____
 COUNTRY _____ ORGANIZATION _____
 VEHICLE 1 (State/Lic. Plate) _____ NO. OF PEOPLE _____
 VEHICLE 2 (State/Lic. Plate) _____ NO. OF STOCK _____

METHOD OF PAYMENT: ☐ VISA ☐ MASTERCARD ☐ DISCOVER

--	--	--	--	--	--	--	--	--	--

Credit Card Number

EXP. DATE _____ CARDHOLDER _____

SIGNATURE _____ DATE _____

TOTAL AUTHORIZED PERMIT COST \$ _____ (\$10 fee plus \$5 per person per night)

☐ Please enroll me in the GRAND CANYON FREQUENT HIKER program for \$25 annually. I understand that membership in this program allows me to waive the \$10 permit fee for twelve months and that I'm still responsible for the \$5 per person per night charge and responsible for paying park entrance fees upon arrival. **All payment is non-refundable.**

FIRST CHOICE: (see sample itineraries on page 4)

DATE	USE AREA OR CAMPSITE
1. _____	_____
2. _____	_____
3. _____	_____
4. _____	_____
5. _____	_____
6. _____	_____

SECOND CHOICE:

DATE	USE AREA OR CAMPSITE
1. _____	_____
2. _____	_____
3. _____	_____
4. _____	_____
5. _____	_____
6. _____	_____

THIRD CHOICE:

DATE	USE AREA OR CAMPSITE
1. _____	_____
2. _____	_____
3. _____	_____
4. _____	_____
5. _____	_____
6. _____	_____

WILLING TO ACCEPT VARIATIONS TO: ☐ Start Date (between _____ and _____) ☐ Campsites ☐ Trip Length (_____ minimum, _____ maximum—this will affect cost)

GROUP SIZE

More permits are available for small groups (one to six people) than for large groups (seven to eleven people). Because there are only a few large group sites, limiting the size of your group will increase your chances of obtaining a permit.

Larger groups tend to cause a disproportionately higher amount of damage to the canyon, largely due to the effects of "social" trailing. For this reason, the park's Backcountry Management Plan does not allow groups larger than eleven people to camp in the same campground or use area. Thus, if your permit is for fewer than six people, please keep gatherings to a maximum of six and select areas where impact to the canyon will be minimized.

Regulations stipulate that all permits are void when a group obtains multiple permits for the same campground or use area for the same night. The alternative for these larger groups is to obtain permits for smaller groups and ensure the itineraries for these permits never bring more than one of the permits into the same campground or use area on the same night. No more than four large groups or eight small groups that are affiliated with each other may camp within the backcountry on the same night.

STOCK USE

Use of private livestock in the backcountry is limited to horses and mules only. Livestock use is limited to the Corridor trails.

Only Bright Angel and Cottonwood campgrounds accommodate private livestock. Grazing is not permitted; stock handlers must bring enough feed for the duration of the trip.

A backcountry permit is required for overnight private livestock trips. Application procedures are the same as for backpackers. Trip leaders will be charged \$5 per stock animal per night.

Other requirements are in the Stock Use Handout available from the Backcountry Information Center. *NOTE: When entering the park, each rider accepts responsibility for their personal safety and for the removal of injured or dead livestock from the park (36 CFR, Sec. 2.16).*

COMMERCIAL USE

Commercial organizations must obtain an Incidental Use Permit. Contact the park's Concession Management Office at (520) 638-7713 for further information.

Only one large group (7-11 people) or one small group (1-6) from the same organization may be in the same campground or use area on the same night.

NORTH RIM WINTER USE

During the winter season (approximately late October through mid-May), a backcountry permit is required for overnight use of the North Rim from the park's northern boundary to Bright Angel Point on the canyon rim. Winter access is by hiking, snowshoeing, or cross-country skiing.

Permittees are allowed to camp at-large between the park's north boundary and the North Kaibab trailhead but not at the trailhead itself. Between the North Kaibab trailhead and the Bright Angel Point area, camping is permitted only at the North Rim Campground group campsite.

Human waste may not be buried in the snow over areas that will be in view of summer users.

LAST MINUTE PERMITS

People without a permit may be able to obtain one upon their arrival, in person, at the Backcountry Information Center. However, permits are very difficult to obtain during popular seasons.

When demand for campsites exceeds supply, a waiting list procedure is implemented. Participation in this procedure is limited to walk-in visitors only. Obtaining a same-day permit is unlikely; anticipate a 1 to 3 day (or longer) wait.

A person may participate in the waiting list for as many consecutive days as are necessary to obtain a permit. However, the person on the waiting list must be present at the Backcountry Information Center at 8 a.m. Mountain Standard Time each day in order to maintain their position on the waiting list.

REMOTE SITES

With a valid credit card, last-minute permits may sometimes be obtained from rangers on duty at the Tuweep, Meadview, and Lees Ferry ranger stations for a limited number of use areas in their vicinities. However, these rangers have other patrol responsibilities and may not be available to provide assistance. It is recommended that all trips be planned well in advance.

Pipe Spring National Monument near Fredonia, the Kaibab Plateau Visitor Center at Jacob Lake, Arizona, and the BLM offices in St. George and Kanab, Utah have similar arrangements for issuing remote site permits.

FURTHER INFO.

The Backcountry Information Center is open daily for walk-in visitors from 8 a.m. to 12 noon and 1 p.m. to 5 p.m. Mountain Standard Time.

Backcountry Information Center staff answer information telephone lines at 520-638-7875 between 1 p.m. and 5 p.m. Monday through Friday, except on federal holidays. This telephone number is for information only.

Permit requests can be FAXed to 520-638-2125.



Photo by Mike Quinn



"I envision national parks as . . . models of respect for all land and water and all of life."

Michael Frome

Q: How long will my hike take?

A: Most first-time Grand Canyon hikers walk uphill at an average speed of one mile per hour. Monitor the amount of time it takes you to get down to any location; it can take twice that amount of time to cover the same distance going out. This "rule of thumb" seems to work well regardless of individual fitness, age, and/or length of stride.

Q: How much water do I need?

A: In warm months, each hiker should carry and drink about a gallon (4 liters) of water per day. Watch your "ins and outs." Drink enough so that urine frequency, clarity, and volume is normal. You're not drinking enough water if your urine is dark, small in quantity, or non-existent in the course of a day's hiking.

Q: Where can I find water?

A: Purified drinking water is available at only a few locations in the canyon. *See chart on page 4.* NOTE: During winter months the pipelines to all rest houses and Cottonwood are shut off; all pipelines in the canyon are subject to breaks at any time of year thus cutting off water supplies. Always carry water with you.

Water may be obtained directly from the Colorado River and Bright Angel Creek, but must be treated before drinking. Most other water sources in the canyon are intermittent and unreliable.

Q: How do I treat my water?

A: There are 3 common methods for treating water: boiling (stove), iodine tablets, and filters. Because of occasional pipeline failures, it's a good idea to be prepared with one of these methods even when hiking Corridor trails.

Q: How much food should I take?

A: Lots. Eating is equally important to both day hikers and overnight backpackers. Carry high energy snacks as well as meals. The hike out is much easier when you provide your body with enough calories to support the extreme physical activity you're engaged in. When you make camp, or any time you leave your pack unattended, be sure to hang your food and trash in nylon stuff sacks or place in food storage containers (ammo boxes) when provided. There are many small animals who will damage your pack and eat your supplies if not secured properly. DO NOT FEED WILDLIFE! Improper food storage and feeding harms wildlife. Violators will be cited.

Q: In case of emergency, how do I contact a ranger?

A: Ranger stations are located at Indian Garden, Phantom Ranch, and Cottonwood (Cottonwood is staffed only in the summer season). There are emergency phones at the ranger stations and along Corridor trails at the Bright Angel Trail rest houses, the junction of the South Kaibab and Tonto Trails, and at Roaring Springs on the North Kaibab Trail. These phones are connected to the park's 24-hour dispatch center and do not require coins. There may be times when these phones do not function: be prepared to send a member of your group up or down the trail to request emergency assistance and consider carrying a signal mirror. Please remember that fatigue is not an emergency.

Q: If I get into trouble and need to be rescued, who pays expenses for my rescue?

A: You will be charged for rescue expenses.

Q: Should I hike alone?

A: Risks are greater for those who hike alone. There is no one to assist you if you become lost, ill, or injured. Mountain lions do inhabit the Grand Canyon. Hikers traveling alone are at greater risk of attack. Be sure to keep your group together, a good plan is to have your most skilled members at the front and rear of your group with the novices in the middle.

Q: What do I do with my trash?

A: You are required to carry out all of your trash, including toilet paper, to rim disposal facilities. To do otherwise is littering. When in camp, be sure to hang your trash with your food sack to prevent its being scattered by wildlife. Enclose all plastic and aluminum in nylon stuff sacks; wildlife will eat plastic and aluminum that smells of food, and they often die from resulting health problems.

Q: Are there toilets in the canyon?

A: There are very few. Be prepared to provide your own toilet paper. Where toilets are available, you must use them. Only human waste and toilet paper should be deposited in the toilets. Where toilets are not available, you must carry out your used toilet paper (a plastic ziplock bag works well) and bury feces in a small hole about 6 in/15 cm deep. Be sure you are at least 100 ft/30 m from trails, campsites, and water sources. Along the Colorado River, urinate directly into the wet sand at the river's edge.

Q: Do I need a map?

A: A map is essential for planning your trip and staying oriented during your hike. Grand Canyon topographic maps are available through the Grand Canyon Association (*see ordering information on page 16 of this publication*).

Q: Do I need a tent?

A: When hiking the Grand Canyon, it is desirable to travel as light as is reasonable. Even though it's a desert, it does rain occasionally in the canyon. Rain is most likely to occur in July and August. A tent can offer protection from rain, but due to mild nighttime temperatures, cold protection is not a factor during summer. Consider taking a lighter sleeping bag (or even a sheet) to save weight if you decide to carry a tent. Another option is to take only the rain fly or a bivy sack as shelter. During winter, tents are desirable equipment.

Q: Do I need a stove?

A: You need to balance the weight of your stove and fuel against your desire for hot meals. During the heat of summer, cold meals are often more attractive. During cold weather, a stove may be important for survival.

NOTE: Fires are prohibited throughout the backcountry.

Q: What should I tell family/friends/employer about my trip?

A: Your hiking itinerary (include name of the trip leader/permit holder if not you), your rim destination after the hike, and the date of your return home. If you indicate you'll contact them once you're out of the canyon, BE SURE YOU DO SO! You are accountable for costs associated with search and rescue efforts on your behalf, and while the National Park Service has your life and safety as its highest priority, it is irresponsible to initiate such efforts frivolously.

Q: Can I deviate from my permit itinerary?

A: No. You are required to follow the itinerary authorized on your backcountry permit. Itineraries are controlled by use limits designed to protect the fragile environment of the inner canyon against the damaging effects of overuse.

Q: Are there penalties for backpacking without a permit?

A: Yes. Regulations regarding backcountry use are enforced by park rangers. Violations may result in fines and/or court appearances. Review all regulations listed on your permit and feel free to ask a ranger for clarification, if needed, before beginning your trip. Each individual hiker on your trip is as accountable as the trip leader for abiding by rules and regulations.

Q: Where do I park my vehicle(s)?

A: There are parking lots at the Bright Angel and North Kaibab trailheads. A free hikers shuttle operates to the South Kaibab trailhead from the Backcountry Information Center, Bright Angel Lodge, and Yavapai Lodge. When the shuttle is operating, private automobiles are *not* allowed to access South Kaibab trailhead. During winter months, shuttle service is available for a fee through Grand Canyon National Park Lodges. Taxi service is also available 24-hours a day. If you have only one vehicle, it is best to park it near the trailhead where you exit the canyon. Be sure not to drive off-road, block another vehicle, or otherwise obstruct traffic when you

park.

Valuables should be secured out of sight (in a trunk if possible), glove compartments left open for inspection, and the vehicle locked. The Bright Angel Lodge offers a storage service for valuables for a fee on a space available basis.

"The finest workers in stone are not copper or steel tools, but the gentle touches of air and water working at their leisure with a liberal allowance of time."

Henry David Thoreau

Q: Should I be concerned about snakes and scorpions?

A: The canyon is home to a variety of snakes and scorpions; some of which are poisonous. A good rule to follow is to always be aware of where you place your hands and feet. Snakebites are rare and occur mostly when people attempt to handle snakes. Do not attempt to capture or otherwise molest any wildlife. If bitten, contact a ranger by signaling or sending someone for help. Although snakes often do not inject venom when they bite, any animal bite should be examined by a physician and monitored for signs of infection.

Scorpions are common in the canyon and stings occur with regularity. While scorpion stings are painful, they rarely cause serious health problems. The elderly and very young children are most susceptible to their venom. If stung, apply cool compresses to the sting site (for pain relief) and monitor the victim. It is rare for an evacuation to be necessary. Scorpions are small and their tan color makes them difficult to see. Avoid stings by shaking out your boots and clothing before dressing, wear shoes (even in camp), and shake out your bedding before climbing into it.

Vandalism or theft of park cultural or archaeological resources (ruins, projectile points, pottery shards, etc.) is a violation of federal law.

If you witness such a violation, please contact the National Park Service Silent Witness program at (520) 638-7767.

All information received is confidential.

GRAND CANYON FIELD INSTITUTE



GRAND CANYON FIELD INSTITUTE (GCFI) is the field seminar program for Grand Canyon Association (GCA) and is co-sponsored by the National Park Service. Our classes explore the rich natural and cultural history of the Grand Canyon region with day hikes, backpacking, river trips, van camping, and classroom instruction. Small classes led by knowledgeable, enthusiastic instructors ensure that your canyon experience is direct and personal. Detailed information on classes, accommodations, and registration procedures is available in our complete 2000 Catalog of Courses.

For your copy call or write:
GRAND CANYON FIELD INSTITUTE
Post Office Box 399
Grand Canyon, AZ 86023
voice (520) 638-2485
fax (520) 638-2484
email gcfi@grandcanyon.org

GCFI HIKING SCALE

(each class is rated accordingly)

- 1 Walks on level terrain.
- 2 Short day hikes into the canyon, or long walks.
- 3 Slower-paced backpacks to established campgrounds on developed trails.
- 4 Aggressive backpacks on rough, often unmaintained trails.
- 5 Lengthy backpacks in remote regions over rough, steep terrain on unmaintained trails.

**Due to the extremely challenging nature of the Wilderness Studies advanced and expert-level backpacks, the above scale has been adjusted to include levels 6-10.*

All participants new to GCFI will be asked to complete a health questionnaire when registering for any of our classes that involve backpacking.



Mike Buchner

2000 SCHEDULE OF COURSES



Zachery Zdinak

2000 SEASON CALENDAR

March

5-9Intro. Backpack Colorado River
10-13Intro. Indian Garden
17-21Women's Colorado River
20-24Clear Creek Backpack
23-26Rim-to-River Geology Backpack
24-27Mule-Assisted Backpack
27-4/2Women's Clear Creek
28-4/1 ..Hermit to Bright Angel Geology

April

2-5Intro. Backpack Indian Garden
2-6Bass to Boucher
3-7Boucher to Hermit Backpack
9-14S. Kaibab to Grandview Backpack
10-15Hance to Grandview Geology
18-28Scotty's Hollow Backpack
20-23Intro. Backpack Indian Garden
20-23Toroweap Exploration
22-29 ..Thunder River History Backpack
29-5/6Expedition Planning

May

4-8Intro. Backpack Colorado River
6-7Drawing To See
7-10Mother's Day Backpack
9-13Tanner to New Hance Backpack
14-17Horseshoe Mesa Backpack
20-26Women's Rim-to-Rim Backpack
21-25Women's Havasu Backpack
21-27Tanner to Grandview Backpack
26-30Rim-to-Rim Backpack
27-29Backcountry Medicine
27-31Rim-to-Rim Backpack

June

3-4Canyon Art Adventures
3-4Orienteering
4-7Women's Indian Garden
4-8Intro. Backpack Colorado River
6-9Canyon Perspectives (North Rim)
10-11Ancient Pathways
12-17 ..Grand Canyon Circumnavigation
15-24Wilderness First Responder

17-20 ..Canyon Perspectives (South Rim)
24-25Family Orienteering
25-29Exotic West Rim

July

18-22North Rim Photography
6-9Canyon Perspectives (North Rim)
11-14 ..Canyon Perspectives (South Rim)
18-22Hands-On Archaeology
27-30Intro. Backpack Indian Garden
27-9/3North Bass Backpack

August

6-9Canyon Perspectives (North Rim)
11-14 ..Canyon Perspectives (South Rim)
18-22Hands-On Archaeology
27-30Intro. Backpack Indian Garden
27-9/3North Bass Backpack

September

1-3Window to the Universe
3-6Mule-Assisted Backpack
4-8Havasu Backpack
8-12Rim-to-Rim Backpack
9-10Drawing to See
10-16Women's Rim-to-Rim Backpack
15-19Rim-to-Rim Backpack
16-22Hermit to Bright Angel
24-26Cathedral Wash Photography
24-27Women's Grandview Backpack
28-30North Rim Photography

October

1-7Nankoweap Geology Backpack
5-9Rim-to-Rim Backpack
6-9Rainbow Bridge Llama
8-14Thunder River Backpack
8-12Rim-to-Rim Backpack
10-14Ecology Rim to Rim
15-18Intro. Backpack Indian Garden
15-20Diamond Creek Exploration
16-21Rim-to-Rim Geology Backpack
20-24Women's Colorado River
21-24Grand Wash Cliffs Llama
22-26South Bass Backpack
22-28Tanner to Grandview Backpack
24-27Intro. Indian Garden Backpack
26-30Intro. Backpack Colorado River
29-11/6Phantom to Crystal Backpack
30-11/2Women's Indian Garden

November

1-4Mule-Assisted Backpack
2-5Geology Rim to River
6-10Boucher to Hermit Backpack
8-12Intro. Backpack Colorado River
9-13Tanner to LCR Backpack
10-14Women's Colorado River



We're on the Net! Visit our Web page to receive the latest GCFI information or to chat with former and future participants on our Web site forum:
www.grandcanyon.org/fieldinstitute

CLASSES ARE ARRANGED BY SUBJECT MATTER. COURSES ARE LISTED CHRONOLOGICALLY WITHIN EACH CATEGORY.

FAMILY OUTINGS

Meet the Canyon

You Pick the Dates

Fee: \$75 per day/per person for groups of 3 or more Hike Level: 2
Come let our family show yours why they call it the Grand Canyon.

Canyon Art Adventures

June 3-4

Fee: \$95 Hike Level: 1
Capturing the canyon's beauty on paper is the goal of this fun-filled weekend with Phyllis Northup.

Canyon Perspectives

June 6-9 (North Rim), June 17-20 (South Rim),
August 6-9 (North Rim), August 11-14 (South Rim)

Fee: \$195 Hike Level: 2
Allow Bruce Banker and Rich Holtzin to share the canyon's unique geology, ecology, and human history with you during a series of day hikes.

Orienteering for Families

June 24-25

Fee: \$95 Hike Level: 2
Finding your way with just a map and compass is a skill Jon Sudar would be delighted to teach your whole family.

GETTING TO KNOW GRAND CANYON

Introductory Backpack: Colorado River

March 5-9, May 4-8, June 4-8, October 26-30, November 8-12

Fee: \$295 Hike Level: 3+
Come along on an ambitious beginner's backpack led by GCFI staff and visit an array of unforgettable destinations.

Introductory Backpack: Indian Garden

March 10-13, April 2-5, April 20-23, August 27-30,
October 15-18, October 24-27

Fee: \$250 Hike Level: 3
This beginner's backpack led by GCFI staff will provide a memorable introduction to life below the rim.



Mike Buchheit

Take a Load Off: Mule-Assisted Backpack

March 24-27, September 3-6, November 1-4

Fee: \$350 (no GCA discount) Hike Level: 3+
Allow mules to carry most of your gear as you enjoy a two-night stay in the canyon's depths with GCFI staff.

NATURAL HISTORY

Clear Creek Ecology Backpack

March 20-24

Fee: \$315 Hike Level: 4
Visit a spectacular side canyon and Grand Canyon's highest waterfall with Stewart Aitchison.

Rim-to-River Geology Backpack

March 23-26, November 2-5

Fee: \$225 Hike Level: 3
Grab your backpack and join Christa Sadler on the Bright Angel Trail for this introduction to Grand Canyon geology.

Hermit to Bright Angel Geology Backpack

March 28-April 1

Fee: \$295 Hike Level: 4
Discover the canyon's geologic secrets while backpacking with Wayne Ranney along this intriguing route.

Bass to Boucher Ecology Backpack

April 2-6

Fee: \$350 Hike Level: 5
A remote stretch of canyon awaits those hiking with Dave Wegner as he shares the ecosystems of the rugged Tonto Platform.

Boucher to Hermit Loop

April 3-7, November 6-10

Fee: \$315 Hike Level: 4+
Discover the rich human and natural history of the intriguing Hermit Basin on a backpack with Stewart Aitchison.

South Kaibab to Grandview

April 9-14

Fee: \$315 Hike Level: 4
Take in the sweeping views, wildflowers, and rugged terrain of this rarely-visited route with Sally Underwood.

New Hance to Grandview Geology Backpack

April 10-15

Fee: \$315 Hike Level: 4
Hance Rapids and Horseshoe Mesa will be the highlights of Christa Sadler's ambitious backcountry adventure.

Toroweap Exploration

April 20-23

Fee: \$250 Hike Level: 3
Explore the cinder cones and rock art of secluded Toroweap Overlook with Jack Pennington and Christa Sadler.

Tanner to Grandview Natural History Backpack

May 21-27

Fee: \$325 Hike Level: 4+
Dramatic side canyons, secluded beaches, and challenging terrain will serve as the backdrop for this challenging hike with Bryan Bates.

Rim-to-Rim Natural History Backpack

May 26-30, May 27-31, September 8-12, September 15-19,
October 5-9, October 8-12

Fee: \$365 Hike Level: 4
Come along as a GCFI staffer shares the canyon with you from top to bottom on this popular transcanyon backpack.

Window to the Universe

September 1-3

Fee: \$125 Hike Level: 1
The canyon's world-famous night sky will be the focus of this intriguing survey of celestial objects led by Chuck Schroll.

Nankoweap Valley Geology Backpack

October 1-7

Fee: \$355 Hike Level: 5
Backpack through one of Grand Canyon's most revealing cross sections of rock strata with Ken Walters.



Mike Buchheit

Ecology Rim to Rim

October 10-14

Fee: \$365 Hike Level: 4
Grand Canyon's varied ecosystems will be the focus during this trans-canyon backpack with Dr. Larry Stevens.

Diamond Creek Exploration

October 15-20

Fee: \$375 Hike Level: 5
Explore the fascinating geology of western Grand Canyon with Mike Young.

Rim-to-Rim Geology Backpack

October 16-21

Fee: \$385 Hike Level: 4
Pass through geologic time with Ken Walters as you take on the canyon's most popular route.

Tanner to Grandview Geology Backpack

October 22-28

Fee: \$355 Hike Level: 5
The canyon's geologic story is well preserved along this intriguing route, and yours to explore with Ken Walters.

Tanner to the Little Colorado Backpack

November 9-13

Fee: \$315 Hike Level: 4+
The remnants of ancient landscapes and civilizations will punctuate this South Rim adventure led by Jack Pennington.

CULTURAL HISTORY

Days of Thunder Backpack

April 22-29

Fee: \$370

Hike Level: 5

Stunning waterfalls and breathtaking views will serve as Mike Anderson's backdrop as he retraces mankind's centuries-old connection to Grand Canyon.

Hands-On Archaeology

August 18-22

Fee: \$275 (no GCA discount)

Hike Level: 2

Discover and catalog the ancient remains of the canyon's earliest residents under the direction of Grand Canyon National Park's Science Center staff.

Havas Canyon Backpack

September 4-8

Fee: \$350 (no GCA discount)

Hike Level: 4

Allow Bruce Banker to introduce you to the land of blue-green waterfalls and the people who call it home.

On the Trails of Bill Bass

October 22-26

Fee: \$295

Hike Level: 4

Retrace the steps of one of the canyon's most colorful pioneers on a backpack with historian Mike Anderson.

PHOTOGRAPHY/ARTS

Drawing to See

May 6-7, September 9-10

Fee: \$95

Hike Level: 2

Let the canyon be your backdrop for Phyllis Northup's workshop on heightening your visual perception and awareness.

North Rim Photography: Monsoons

July 18-22

Fee: \$295

Hike Level: 2+

The unforgettable cloud play above Grand Canyon during the mid-summer rainy season will be the focus during this workshop.

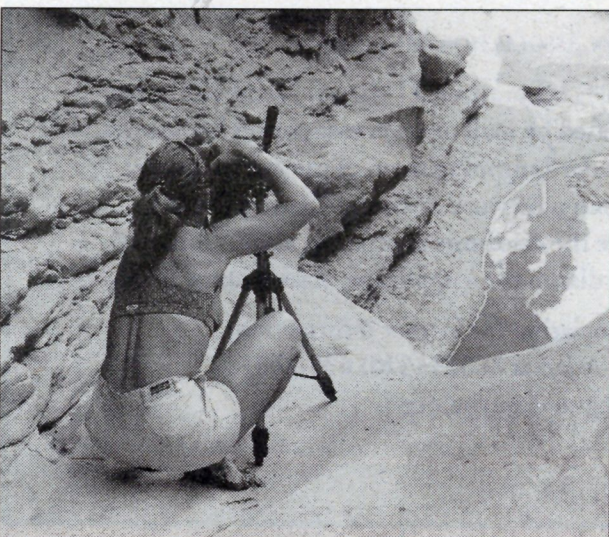
Cathedral Wash Photography

September 24-26

Fee: \$225

Hike Level: 2

From the stunning South Rim to an accessible slot canyon near Lees Ferry, Ken Walters will help you capture the beauty of Grand Canyon.



North Rim Photography: Fall Colors

September 28-30

Fee: \$215

Hike Level: 1

Join Ken Walters as he demonstrates the art of capturing the autumn colors of the North Rim's forests and meadows.

WOMEN'S CLASSES

Women's Introductory Backpack: Colorado River

March 17-21, October 20-24, November 10-14

Fee: \$295

Hike Level: 3+

The Colorado River, Phantom Ranch, and Plateau Point are a few stops along the way for this challenging beginner's class.

Women's Clear Creek Backpack

March 27-April 2

Fee: \$350

Hike Level: 4

Sally Underwood will be leading her troops to a lush side canyon featuring ruins, a sparkling creek, and a towering waterfall.

Mother-Daughter Backpack

May 7-10

Fee: \$255

Hike Level: 3

Join Sally Underwood for a Mother's Day backpacking adventure to Indian Garden.

Women's Rim-to-Rim Backpack

May 20-26, September 10-16

Fee: \$385

Hike Level: 4

GCFI staff will lead experienced women backpackers along this popular transcanon route.



Havas Canyon Backpack

May 21-25

Fee: \$365 (no GCA discount)

Hike Level: 4

Come explore the intriguing blue-green waters and the Havasupai people with Sally Underwood.

Women's Introductory Backpack: Indian Garden

June 4-7, October 30-November 2

Fee: \$250

Hike Level: 3

Discover the art of backpacking while learning about the canyon on a moderate-intensity hike to Indian Garden.

Women's Grandview Backpack

September 24-27

Fee: \$250

Hike Level: 3+

Spectacular Horseshoe Mesa is the destination for Sally Underwood and her aspiring canyoneers.

WILDERNESS STUDIES

Scotty's Hollow Backpack

April 18-28

Fee: \$525

Hike Level: 8+

Not for the faint of heart, this hardcore off-trail backpack through pristine backcountry will be led by Ken Walters.



Mike Buchheit

Expedition Planning

April 29-May 6

Fee: \$355

Hike Level: 6+

Planning your backcountry adventure is half the fun with Ken Walters — a four-day backpack in seldom-visited western Grand Canyon is the other.

Tanner to New Hance Backpack

May 9-13

Fee: \$325

Hike Level: 5

Enhance your backcountry skills while backpacking the South Rim's challenging Escalante Route with Ken Walters.

Horseshoe Mesa Backpack

May 14-17

Fee: \$250

Hike Level: 3+

With its caves, mines, springs, and views, Horseshoe Mesa is an ideal setting for Ken Walter's workshop on the basics of backcountry travel.

Backcountry Medicine

May 27-29

Fee: \$150

Hike Level: 3

Dr. Tom Myers and ranger Bryan Wisher will discuss the diagnoses and treatment of backcountry injuries during a two-day visit to Indian Garden Campground.

Orienteering

June 3-4

Fee: \$95

Hike Level: 2

Map and compass skills are the focus, and ranger Jon Sudar will be your guide, as you explore the fine art of navigation.

continued on next page

Ancient Pathways

June 10-11

Fee: \$115

Hike Level: 2

Join Tony Nester as he demonstrates the time-honored survival skills employed by the canyon's earliest inhabitants.

Wilderness First Responder Training

June 15-24

Fee: \$450 (no GCA discount)

Hike Level: 2+

Invaluable medical training for frequenters of the great outdoors taught by faculty of the Wilderness Medical Institute.

Exotic West Rim

June 25-29

Fee: \$215

Hike Level: 3

Explore Diana Temple, Fossil Mountain, and the Grand Scenic Divide during a few days of car camping and day hiking with Ken Walters.

North Bass to Modred Abyss Loop

August 27-September 3

Fee: \$395

Hike Level: 7

The rugged Bass Trail and trail-less Modred Abyss will be the setting for this unique backcountry skills class led by Ken Walters.

Hermit to Bright Angel Loop

September 16-22

Fee: \$325

Hike Level: 4

Experience thirty miles of unparalleled beauty as Ken Walters teaches the finer points of backcountry travel on an ambitious backpack.

Thunder River Backpack

October 8-14

Fee: \$385

Hike Level: 5+

Learn navigation and other wilderness techniques as you visit the waterfalls of Stone Creek, Thunder River, and Deer Creek with Ken Walters.



Phantom to Crystal Creek Backpack

October 29-November 6

Fee: \$425

Hike Level: 9+

Ken Walters leads GCFI's most challenging backpack of the year in pursuit of the Crystal Creek confluence with the Colorado River.

Rainbow Bridge Llama Trek

October 6-9

Fee: \$995 (no GCA discount)

Hike Level: 3+

Visit the world's largest natural stone bridge on the banks of Lake Powell during a unique hiking experience with Stewart Aitchison.

PREMIUM CLASSES

Grand Canyon Circumnavigation

June 12-17

Fee: \$875 (no GCA discount)

Hike Level: 2

Circle the canyon by van during an unforgettable journey with geologist Wayne Ranney.

Grand Wash Cliffs

Llama Trek October 21-24

Fee: \$950 (no GCA discount)

Hike Level: 3+

Let Stewart Aitchison share with you the remarkable, yet seldom-visited western Grand Canyon with its incredible geology and rich human history.



DISCOUNTS FOR GRAND CANYON ASSOCIATION MEMBERS

Members of Grand Canyon Association receive 10% off most GCFI classes. Membership also entitles you to a 20% discount on products purchased by mail or from association bookstores.

In addition, members receive a quarterly newsletter informing them of canyon issues and events. For as little as \$35 annually, you can join a network of Grand Canyon friends, participate in special member events, and receive the discounts mentioned above. You may join when registering for classes and receive your discount on applicable classes immediately.

Please call or write Grand Canyon Association for further information:

Post Office Box 399, Grand Canyon, Arizona 86023 (520) 638-2481

Online bookstore www.grandcanyon.org



GRAND CANYON NATIONAL PARK'S

TRIP PLANNER

OFFICIAL PARK INFORMATION - 2000

7/00



WHAT TIME IS IT?

Arizona is on Mountain Standard Time (MST). Daylight Savings Time is not observed except on the Navajo Reservation.



ON THE NET

Trip planning information for Grand Canyon is available on the Internet. The official Grand Canyon National Park website is at: www.thecanyon.com/nps. You may also access the National Park Service website at www.NPS.gov for information on other national parks.



Robert M. Butterfield

PLANNING A TRIP?

Grand Canyon National Park receives 5 million visitors a year; this means the park is crowded most of the year. Expect heavy crowds during spring, summer, and fall months. During these months, **reservations for camping and lodging are essential**. Day-use visitors should expect **traffic congestion and parking problems**, particularly in summer. The park is least crowded November through February. However, winter weather is a major consideration when planning a trip during these months.

Most visitors come to the **South Rim** (*open all year*). The **North Rim** (*open mid-May through mid-October, weather permitting*) has fewer facilities and is more remote (*it is over 200 miles one way by automobile from the South Rim to the North Rim, a 5-hour drive for most*). North Rim and backcountry visitors should read the separate section on the NORTH RIM and the INNER CANYON in this guide. When making reservations for lodging and camping, remember to identify the rim you plan on visiting.

The **South Rim** of Grand Canyon averages 7000 feet above sea level, the **North Rim** over 8000 feet above sea level. Visitors with **respiratory or heart problems** may experience difficulties; all walking at this elevation can be strenuous.

A SPECIAL NOTE

FROM THE SUPERINTENDENT

Welcome to Grand Canyon National Park — an important place in our American heritage and legacy. Grand Canyon is a place of tremendous beauty, peace, and scenic grandeur, as well as tremendous natural and cultural interest. The park's General Management Plan directs us to take steps to improve your canyon experience, while together we protect this precious, natural landscape found nowhere else on Earth.

Several improvements are underway at the park. A new visitor orientation center, Canyon View Information Plaza, is scheduled to open in late October 2000. This summer construction begins on the Greenway, a 73-mile network of multi-use trails on the North and South Rims. A dynamic learning center for park visitors of all ages and interests, the Heritage Education Campus, is planned for Grand Canyon's historic village. Development continues for a light-rail transportation system that will allow visitors greater ease in moving around the park without distraction and delay from the noise and congestion of automobile traffic.

While this transit system is still several years away, the park is moving ahead with related improvements. In the latter part of this year, some traffic routes will be modified to provide shuttle service to the new orientation center. The park's alternative-fuel bus fleet will be expanded and available to all, including those with accessibility needs.

For more information about Grand Canyon National Park, see our Web site at www.thecanyon.com/nps or call 520-638-7888 for information updates.

CLIMATE

SUMMER

Summer temperatures on the South Rim are relatively pleasant (50°s-80°s F; low teens to high 20°s C), but inner canyon temperatures are extreme; daytime highs at the river (5000 feet below the rim) often exceed 100° F (38° C). North Rim summer temperatures are cooler than those on the South Rim due to increased elevation.

WINTER

Winter conditions at the South Rim can be extreme: expect snow, icy roads and trails, and possible road closures. Canyon views may be temporarily obscured during winter storms; in such cases entrance fees are not refundable. The North Rim is closed during the winter.

SPRING & FALL

Spring and fall weather is extremely unpredictable; be prepared for sudden changes in the weather at those times of year.

GENERAL INFORMATION



NPS photo

GETTING TO THE GRAND CANYON

Grand Canyon National Park (South Rim) is located 60 miles north of Williams, Arizona (via route 64 from Interstate 40) and 80 miles north of Flagstaff (via route 180). Grand Canyon lies entirely within the state of Arizona. Commercial airlines serve Phoenix, Flagstaff, and Las Vegas. There is limited air service into Grand Canyon Airport (just south of the park) from Las Vegas and elsewhere. Greyhound provides bus service to Flagstaff; public bus transportation is available from Flagstaff to the South Rim on Nava-Hopi Bus Lines (520-774-5003) and South Rim Travel (888-291-9116; 520-638-2748). Amtrak provides rail service to Flagstaff with connecting bus service to the canyon. Grand Canyon Railway offers train service from Williams; for additional information call: 1-800-THE-TRAIN.

FISHING

Fishing in the park requires an Arizona state fishing license. Licenses are available at the General Store in Grand Canyon Village on the South Rim and at Marble Canyon Lodge (2-1/2 hours from the South Rim, near Lees Ferry). They are not available at the North Rim. Make sure you know the regulations before you fish. Most fishing opportunities require an overnight permit.

PETS

Pets are allowed in the park but must be restrained at all times. Leashed pets are allowed on South Rim trails throughout the developed areas in the park but **not** below the rim, in park lodging, or on park buses. The only exception is for certified service dogs. Persons wishing to take a certified service dog below the rim must check in first at the Backcountry Information Center (located in Maswik Transportation Center). There is a kennel at the South Rim; call 520-638-0534. Reservations are suggested. Pets are not permitted on North Rim trails and it is recommended that they be left at home. No kennels are available.

\$ ENTRANCE FEES

Entrance to the park is \$20 per private vehicle, \$10 per pedestrian or cyclist. Fees for commercial bus passengers vary. Admission is for seven days and includes both rims; there are no refunds due to inclement weather. U.S. residents aged 62 or older may obtain a Golden Age Passport for a one-time fee of \$10, which grants them free admission for life to all National Park Service sites. Persons holding a current National Park Pass or Golden Eagle Passport are admitted free. Annual Grand Canyon Passports, valid for the calendar year, are available for \$40. U.S. residents who have a permanent physical, mental, or sensory impairment may apply in person for a Golden Access Passport, which provides the same privileges as the Golden Age Passport.

RANGER PROGRAMS

National Park Service (NPS) rangers offer a wide variety of interpretive programs throughout the year on the South Rim and throughout the season on the North Rim. All NPS programs are free and open to the public. Detailed program information is listed in the park's newspaper available at the entrance station.

BICYCLING

Mountain bikes are allowed only on those roads open to automobile traffic. If you plan to bring one, remember that in Arizona bicycles are subject to the same traffic rules as automobiles. Use extreme caution when riding on park roads; shoulders are narrow and vehicle traffic is heavy. Hermit Road is open to bicycles throughout the year, but remember that during the summer months there is heavy bus traffic on Hermit Road. *(Bicycles are not available for rent in the park.)*

🚗 TRANSPORTATION

Park Shuttle: The park operates a **free** shuttle bus system on the South Rim in Grand Canyon Village and along Hermit Road. These shuttles provide transportation; they are not tour buses. You must get off the bus to see the canyon. Most shuttles are inaccessible to wheelchairs. However, accessible accommodations can be made with advance notice (at least 48 hours) by calling 520-638-0591. An accessibility pass for your car is available at the Visitor Center.

Hiker Shuttle: A **free** hiker shuttle operates to the South Kaibab trailhead from the Bright Angel Lodge, Backcountry Information Center (Maswik Transportation Center), and Yavapai Lodge. When the shuttle is operating, there is no private automobile access to the South Kaibab trailhead. During winter months, shuttle service is available for a fee through Grand Canyon National Park Lodges.

Airport Tusayan Shuttle: A shuttle service between Tusayan and the South Rim is available for a nominal **fee** and operates year-round.

Rim to Rim Shuttle: A shuttle service is provided seasonally between the North Rim and the South Rim for a **fee** by Trans Canyon Shuttle (520-638-2820).

Taxi: Taxi service is also available through Grand Canyon National Park Lodges (520-638-2631).

Bus Tours: Persons wishing to take a guided bus tour may make arrangements through Grand Canyon National Park Lodges (call 303-297-2757 or write AmFac Parks & Resorts, 14001 E. Iliff, Ste. 600, Aurora, CO 80014). Visitors arriving in the park should proceed to the Bright Angel Lodge Transportation Desk to make arrangements. A variety of different tours are available throughout the year.

Air Tours: All scenic air tours operate from outside Grand Canyon National Park. Local commercial air tour operators are located in Grand Canyon Airport (just south of Tusayan). For a list of air tour operators, write Grand Canyon Chamber of Commerce, P.O. Box 3007, Grand Canyon, AZ 86023.

+ MEDICAL SERVICES

The South Rim clinic is open all year (520-638-2551). Emergency medical services are provided by rangers and clinic staff. A dentist serves the South Rim by appointment only (520-638-2395). North Rim emergency medical services are provided by rangers on duty.

♿ ACCESSIBILITY

Not all park facilities meet the accessibility standards that have been set in recent years, and many of the buildings in the park are historic. However, many facilities are accessible with assistance, and an increasing number of facilities are accessible. A park **ACCESSIBILITY GUIDE** is available at the Visitor Center or upon request (P.O. Box 129, Grand Canyon, AZ 86023; 520-638-7888). TDD calls should be directed to 520-638-7805.

SOUTH RIM

LODGING

IN-PARK

Lodging on the South Rim is booked well in advance. Be sure to make reservations as far ahead as possible.

A variety of lodging facilities are available and reservations are handled by AmFac Parks & Resorts. Call 303-297-2757, FAX 303-297-3175, or write AmFac, 14001 E. Illiff, Ste. 600, Aurora, CO 80014. Prices range from \$47 to \$285 per night for two people (subject to change). There is no youth hostel in Grand Canyon National Park.

OUT-OF-PARK

The following accommodations are available in Tusayan, 7 miles south of the South Rim:

LODGE	PHONE
Grand Canyon Squire Inn	520-638-2681
Grand Canyon Suites	520-638-3100
Holiday Inn Express	520-638-3000
Moqui Lodge	520-638-2424
Quality Inn	520-638-2673
Red Feather Lodge	520-638-2414
Seven Mile Lodge	520-638-2291
The Grand Hotel	520-638-3333

Additional lodging is available in Williams, 60 miles south on Highway 64, and Flagstaff, 80 miles south on Highway 180.

CAMPING

IN-PARK

Camping in the park on the South Rim is restricted to established campgrounds, although a few remote sites are available with a backcountry permit.

Mather Campground: Operated by the National Park Service and located in Grand Canyon Village, this campground offers tent and RV camping (no hook-ups). Reservations are strongly recommended mid-March through October, call Biospherics at 1-800-365-2267; outside U.S. call 301-722-1257. Fees are \$10 to \$15 per site depending on the season. Maximum of two vehicles and six people per site. Sites may be reserved up to five months in advance. Campsite reservations are booked well in advance; make reservations as far in advance as you can. Mather Campground is handled on a first-come, first-served basis from approximately December 1 to March 1 of each year.

Trailer Village: Trailer Village (adjacent to Mather Campground) offers RV sites with hook-ups; reservations may be made by calling 303-297-2757. Cost: \$20 per site. A **dump station** is located adjacent to Mather Campground and Trailer Village on the South Rim (closed during the winter months).

Desert View Campground: (25 miles east of Grand Canyon Village; no hook-ups) is open mid-May through mid-October and operates on a first-come, first-served basis only. Cost: \$10 per site (maximum of two vehicles and six people per site).

OUT-OF-PARK

Ten-X Campground: The U.S. Forest Service operates this public campground 2 miles south of Tusayan. Open May through September. **No hook-ups or showers;** pit toilets and cold water faucets are located throughout the campground. Campground operates on a first-come, first-served basis and rarely fills. Cost: \$10 per vehicle per night (maximum of two vehicles per site). Group site is available for groups of up to 100 people, reservations required. Call 520-638-2443.

Dispersed Camping: Dispersed camping, or camping "at large," is permitted in the national forest outside the park. Camp sites must be at least 1/4 mile away from Highway 64. Other restrictions may apply. Contact the Tusayan Ranger District, Kaibab National Forest, P.O. Box 3088, Grand Canyon, AZ 86023 or call 520-638-2443 for information.

RV Campground: Camper Village is a commercial RV campground (with hook-ups) in Tusayan. Call 520-638-2887. Fees: \$15-\$23 per night.

SERVICES

A variety of services are available in Grand Canyon Village on the South Rim and in Tusayan, 7 miles south of the rim.

Dining: A wide variety of restaurants are available in the park from formal El Tovar Hotel to cafeterias at Yavapai and Maswik Lodges. Tusayan offers both fast food and more formal dining.

Fuel: Gas, diesel, and propane available at Desert View and in Tusayan.

Showers and Laundry: Located adjacent to Mather Campground in Grand Canyon Village and in Tusayan.

Groceries: Available at the General Store in Grand Canyon Village, at Desert View, and in Tusayan.

Camping Equipment: Sales and rentals at the General Store in Grand Canyon Village.

Other: Post office, bank, automatic teller machine (ATM) in Grand Canyon Village. Telegraph in Tusayan.

HAVASUPAI INDIAN RESERVATION

The Havasupai Indian Reservation is in a large tributary canyon on the south side of the Colorado River. This land lies outside the boundary and jurisdiction of the park and is administered by the Havasupai Indian Tribe. The village of Supai is accessible only by foot (an 8-mile hike) or horseback. Inquiries should be directed to Havasupai Tourist Enterprises, Supai, AZ 86435 (520-448-2141 for the tourist office, 520-448-2111 for lodging).



Lawrence Ormsby

HOW TO SEE THE CANYON

There are many overlooks accessible by car that offer spectacular views of the canyon. Desert View Drive (Highway 64) follows the canyon rim for 26 miles east of Grand Canyon Village to Desert View (the east entrance to the park). Desert View Drive is open to private vehicles throughout the year. Hermit Road follows the rim for 8 miles west from Grand Canyon Village to Hermits Rest. Hermit Road is closed to private automobiles much of the year but the park runs a free shuttle bus to provide transportation to overlooks (see TRANSPORTATION on previous page).

A hiking trail follows the rim from Yavapai Point to Hermits Rest; the Rim Trail is paved from Yavapai Point west only as far as Maricopa Point. Unpaved portions of the trail are narrow and close to the edge.

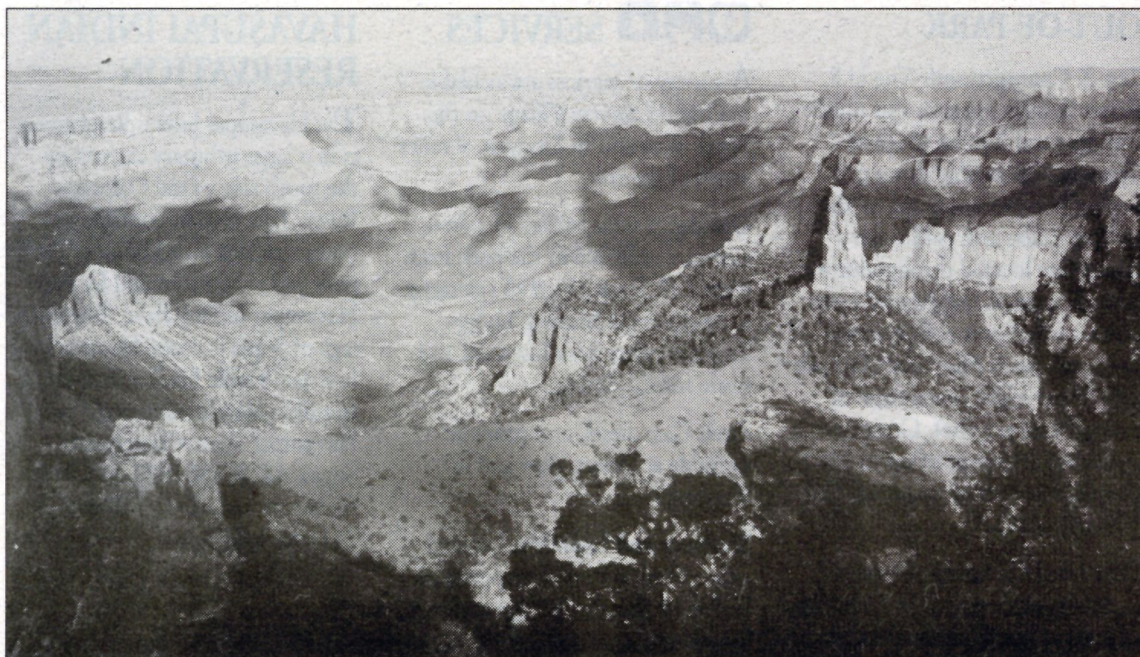
Yavapai Observation Station (at Yavapai Point, just west of Mather Point on the South Rim) offers panoramic views of the canyon (including the Colorado River and Phantom Ranch) from inside the building and is open all year.

For viewing and photographing the canyon, the light is most dramatic early or late in the day; mid-day sun tends to flatten the view and soften the colors. Remember that days are short in the winter and long in the summer.

Times for sunrise and sunset are listed in THE GUIDE, the park newspaper issued at the park entrance. If you're planning to see the canyon at sunrise or sunset, it is recommended that you be on the rim at least an hour beforehand.

The Colorado River, which is responsible for the existence of Grand Canyon, lies at the bottom of the canyon, 5000 feet below the rim. Because of the enormous depth of Grand Canyon, the river is visible only from certain viewpoints. It is a two-day (round-trip) hike to the river from the South Rim for most people; it's a longer trip from the North Rim. It is possible to drive to the Colorado River at Lees Ferry (near Marble Canyon, Arizona) but this is a 2 1/2 hour drive (one way) from the South Rim. Lees Ferry marks the official beginning of Grand Canyon, and the canyon is only a few hundred feet deep at this point.

NORTH RIM



NPS photo

LODGING

IN-PARK

Grand Canyon Lodge: Located on the North Rim, reservation are handled through AmFac Parks & Resorts; call 303-297-2757. Prices range from \$65 to \$105 per night for two people (subject to change). Lodging is booked well in advance, make reservations as far ahead as possible.

OUT-OF-PARK

Lodging is available seasonally outside the park.

Kaibab Lodge: 18 miles north of the North Rim: 520-638-2389.

Jacob Lake Inn: 45 miles north of the North Rim: 520-643-7232.

CAMPING

IN-PARK

North Rim Campground: Operated by the National Park Service, campsites are \$15 to \$20. A dump station is available, but there are no hook-ups. Reservations are strongly recommended; call Biospherics 1-800-365-2267. Reservations may be made up to, but not more than, five months in advance.

OUT-OF-PARK

Camping is available seasonally outside the park.

DeMotte Campground: Operated by the U.S. Forest Service, 16 miles north of the North Rim, summer only, no hook-ups or reservations.

Jacob Lake Campground: Operated by the U.S. Forest Service, 45 miles north of the North Rim, summer only, no hook-ups or reservations.

Dispersed Camping: Camping "at large" is permitted in the national forest outside the park; there are restrictions, however. Contact the North Kaibab Ranger District, Kaibab National Forest, P.O. Box 248, Fredonia, AZ 86022 or call 520-643-7395 for information.

Kaibab Camper Village: A commercial campground located 1/4 mile south of Jacob Lake on Highway 67, hook-ups available, reservations may be made by calling 520-643-7804 in summer or 520-526-0924 in winter.

SERVICES

A variety of services are available on the North Rim and 18 to 45 miles north of the park.

Dining: Grand Canyon Lodge has a dining room and snack bar. Kaibab Lodge, and Jacob Lake Inn, 18 and 45 miles north of the rim respectively, have restaurants.

Fuel: Gas and some minor auto repairs are available on the North Rim. Gas, diesel, and auto supplies are available 18 and 45 miles north of the rim.

Showers/Laundry: Located adjacent to the North Rim Campground.

Groceries/Camping Supplies: Located adjacent to the North Rim Campground and 18 miles north of the rim at the Country Store.

Other: The North Rim has a post office.

PETS

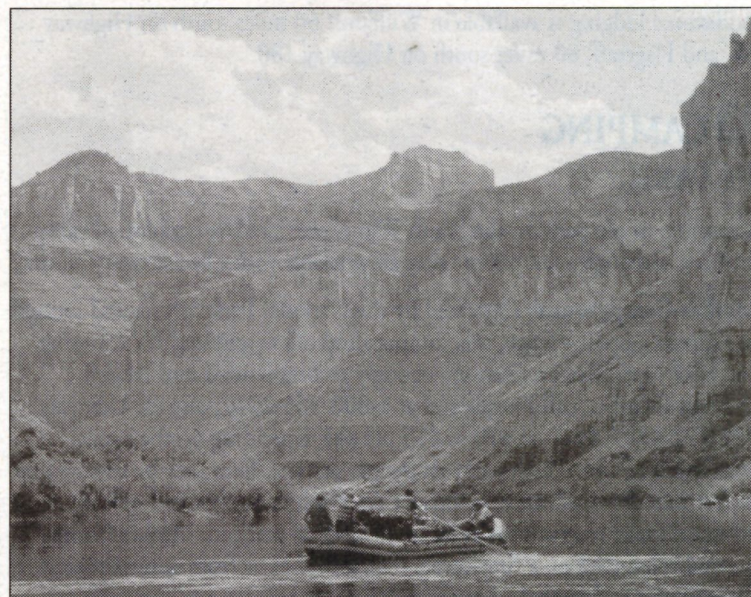
Pets must be physically restrained at all times. Pets (except certified service dogs) are not allowed on trails, with the exception of the bridle path that connects the lodge with the North Kaibab Trail. Bringing pets is not recommended.

WHERE IS IT? IS IT OPEN?

Although it is only 10 air miles across the canyon, the North Rim is over 200 miles away from the South Rim by car or a 21-mile strenuous two to three day cross-canyon hike. It is possible to fly into Las Vegas and drive from there (263 miles, one-way). The park boundary is 30 miles south of Jacob Lake on Highway 67; the canyon rim is an additional 14 miles south. Jacob Lake, which consists of a lodge and gas station, is located in northern Arizona on Highway 89A, not far from the Utah border. There is no public transportation to the North Rim other than the Trans Canyon Shuttle from the South Rim (see TRANSPORTATION section in this guide for detailed information). **The North Rim is open from mid-May through mid-October, weather permitting.** Services are limited on the North Rim. The National Park Service maintains a visitor center on the North Rim. Interpretive programs are offered seasonally.

Mule trips are available from the North Rim (one-day and half-day trips) but do not go all the way to the river. Call Grand Canyon Trail Rides for reservations (435-679-8665).

Weather permitting, the North Rim is open for *day use only* in the fall following the close of facilities in mid-October. During this time there are no services or overnight facilities available inside the park on the North Rim. The road from Jacob Lake to the North Rim (Highway 67) is subject to closure with little or no notice during this interval and then remains closed until mid-May.



Mike Buchheit

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INNER CANYON

CAMPING IN THE BACKCOUNTRY

All overnight camping below the rim requires a permit from the Backcountry Information Center. This is true for undeveloped areas on the rim as well (camping in developed areas is restricted to existing campgrounds). Permits are required and must be made in person or by mail or FAX using the permit request form (telephone requests are **not** accepted). Applying well in advance is recommended although a small number of permits are sometimes available for the same day. **There is a fee of \$10 per permit plus an additional fee of \$5 per night per person.** Address requests for *backcountry permit information* (which includes permit form) to:

Backcountry Information Center
Grand Canyon National Park
P.O. Box 129
Grand Canyon, AZ 86023 or call
520-638-7875, 1-5 p.m. MST.

Persons arriving without permits may put their names on a waiting list for cancellations; go to the Backcountry Information Center as soon as you arrive in the park. Backcountry Information Center is open 8 a.m. to noon and 1 p.m. to 5 p.m. MST, Monday – Friday. Names are accepted for the waiting list in person only.

INNER CANYON BY MULE

Mule rides from the South Rim are arranged through AmFac Parks & Resorts (303-297-2757). It is a two-day round-trip to the Colorado River at the canyon floor. A one-day trip is also offered which goes part way to the river. Overnight riders stay and eat at Phantom Ranch.

Mule trips may be booked 11 months in advance and fill up early. A waiting list is maintained for cancellations, but chances of obtaining reservations on the waiting list are slim. If you wish to make a trip into the canyon on

mule, plan ahead! There are restrictions: mule riders must be over 4 feet 7 inches in height, weigh less than 200 lbs, and cannot be visibly pregnant. Mule riders must be able to understand English.

Mule trips are available from the North Rim (one-day and half-day trips) but do not go all the way to the river. Call Grand Canyon Trail Rides for reservations (435-679-8665).



NPS photo

INNER CANYON ON FOOT

Grand Canyon's inner canyon (below the rim) is a place of extremes. Hiking below the rim requires preparation. Each season brings its own hazards, and all trails below the rim are steep and precipitous.

Permits are not required for day hikes below the rim, and many people hike a short distance below the rim. The park service strongly recommends that you not attempt to hike from rim to river and back in a day; this is a strenuous two-day journey for most people. In summer, extreme temperatures can be life-threatening. Rangers respond to an average of 400 medical emergencies each year. Search and rescue operations are often difficult and expensive due to the remoteness of all inner canyon trails.

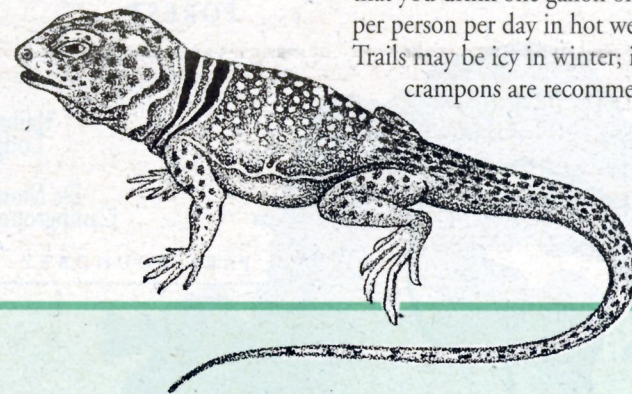
Overnight hikers may arrange to stay and eat at Phantom Ranch. Reservations for meals and lodging at Phantom Ranch are required (303-297-2757). All other overnight visitors to the inner canyon must obtain a backcountry permit.

Don't hike alone; know where you're headed and take a map. Don't overestimate your capabilities; day hikers account for the majority of the park's search and rescue efforts.

When inner canyon temperatures are extremely high, access to inner canyon trails may be restricted to early morning and evening. Information on trail restrictions and trail closures is available at 520-638-7888.

DAY HIKING BELOW THE RIM

Day hikers may wish to hike a portion of either the Bright Angel Trail (which begins near Bright Angel Lodge in the village) or the South Kaibab Trail (which begins near Yaki Point, 3 miles east of the village). Check with the Backcountry Information Center for trail conditions upon your arrival. Inner canyon trails are steep—carry plenty of water and food. We strongly recommend that you drink one gallon of water per person per day in hot weather. Trails may be icy in winter; instep crampons are recommended.



RIVER CONCESSIONERS

The following commercial operators currently run river trips on the Colorado River through Grand Canyon. A large range of prices, services, transportation packages, trip lengths, and dates are available. *Please contact the companies directly for further information.*

ARAMARK-Wilderness River Adventures
 P.O. Box 717, Page, AZ 86040
 (800) 992-8022 (520) 645-3296
www.riveradventures.com

Arizona Raft Adventures, Inc.
 4050-F E. Huntington Drive
 Flagstaff, AZ 86004
 (520) 526-8200 (800) 786-RAFT
www.azraft.com

Arizona River Runners, Inc.
 P.O. Box 47788,
 Phoenix, AZ 85068-7788
 (800) 477-7238 (602) 867-4866
www.raftarizona.com

Canyon Explorations/Canyon Expeditions
 P.O. Box 310, Flagstaff, AZ 86002
 (800) 654-0723 (520) 774-4559
www.canyonx.com

Canyoneers, Inc.
 P.O. Box 2997, Flagstaff, AZ 86003
 (800) 525-0924 outside Arizona,
 (520) 526-0924
www.canyoneers.com

Colorado River & Trail Expeditions, Inc. P.O. Box 57575 Salt Lake City,
 UT 84157-0575 (800) 253-7328
 (801) 261-1789
www.crateinc.com

Diamond River Adventures, Inc.
 P.O. Box 1300, Page, AZ 86040
 (800) 343-3121 (520) 645-8866
www.diamondriver.com

Grand Canyon Dories
 P.O. Box 216, Altaville, CA 95221,
 (800) 877-3679 (209) 736-0805
www.oars.com/gcdories

Grand Canyon Expeditions Company
 P.O. Box O
 Kanab, UT 84741
 (800) 544-2691 (435) 644-2691
www.gcex.com

Hatch River Expeditions, Inc.
 P.O. Box 1200, Vernal, UT 84078
 (800) 433-8966 (435) 789-3813
www.hatchriver.com

High Desert Adventures, Inc.
 P.O. Box 40
 St. George, UT 84771-0040
 (800) 673-1733 (435) 673-1733
www.funboat.com

Moki Mac River Expeditions, Inc.
 P.O. Box 21242
 Salt Lake City, UT 84121
 (800) 284-7280 (801) 268-6667
www.mokimac.com

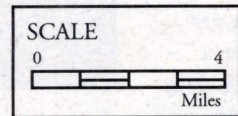
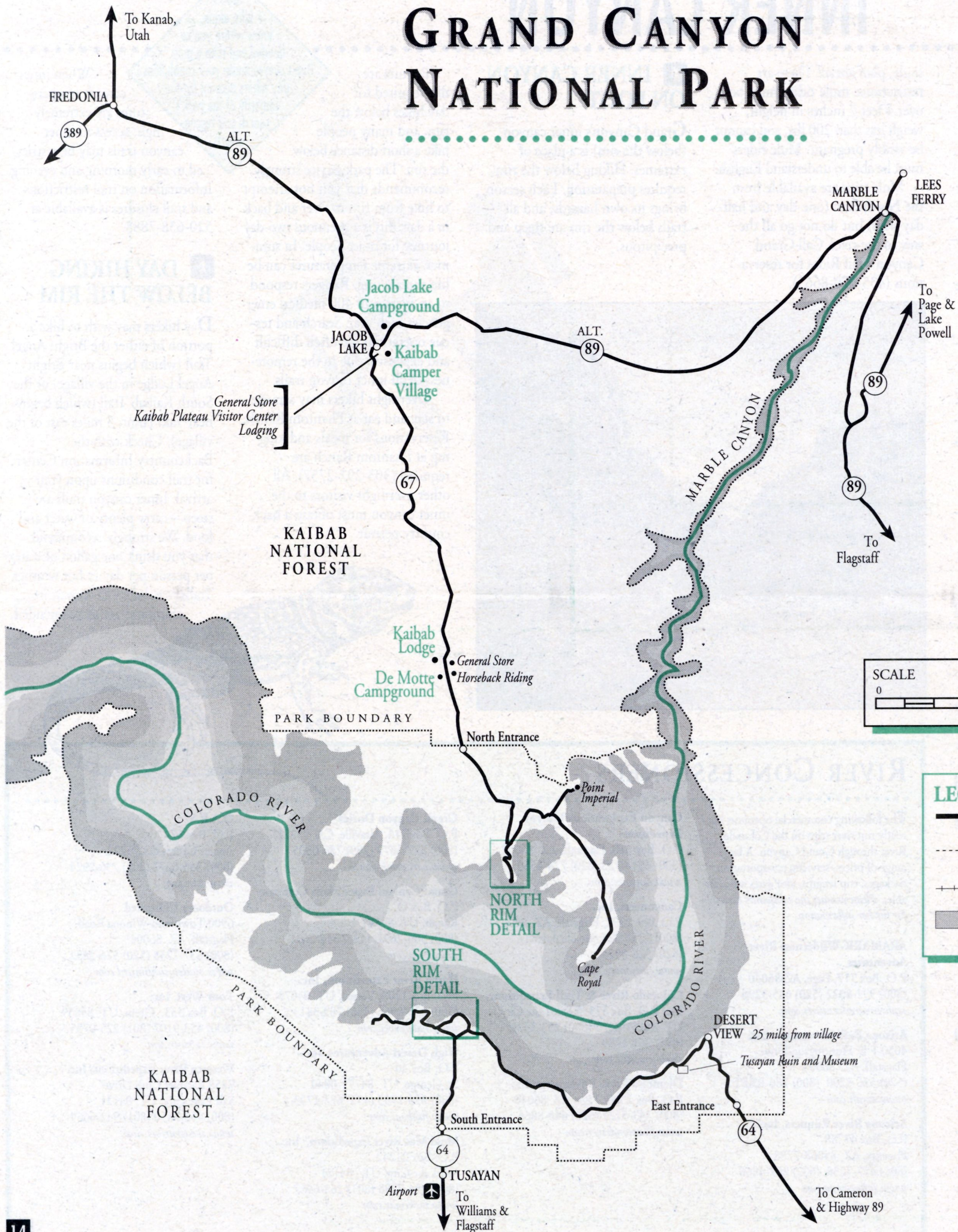
O.A.R.S
 P.O. Box 67
 Angles Camp, CA 95222
 (800) 346-6277 (209) 736-2924
www.oars.com

Outdoors Unlimited
 6900 Townsend Winona Road
 Flagstaff, AZ 86004
 (800) 637-7238 (520) 526-2852
www.outdoorsunlimited.com

Tour West, Inc.
 P.O. Box 333, Orem, UT 84059
 (800) 453-9107 (801) 225-0755
www.twriver.com

Western River Expeditions, Inc.
 7258 Racquet Club Drive
 Salt Lake City, UT 84121
 (800) 453-7450 (801) 942-6669
www.westernriver.com

GRAND CANYON NATIONAL PARK



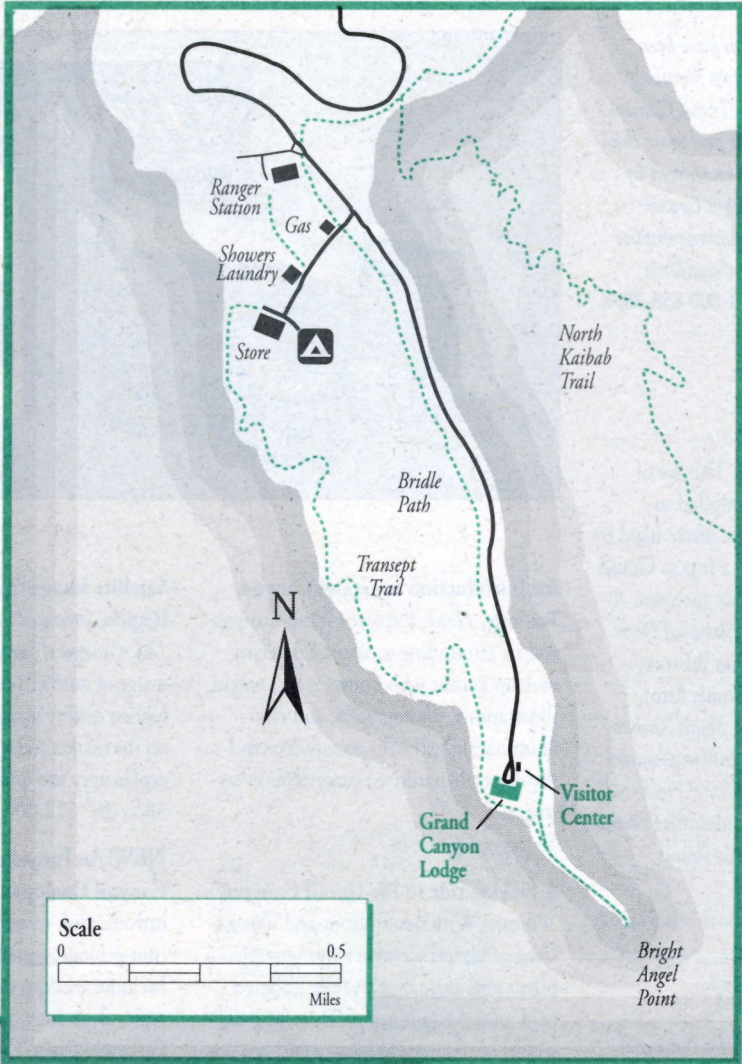
LEGEND

- Road
- - - Trail
- + + + Railroad Track
- Inner Canyon

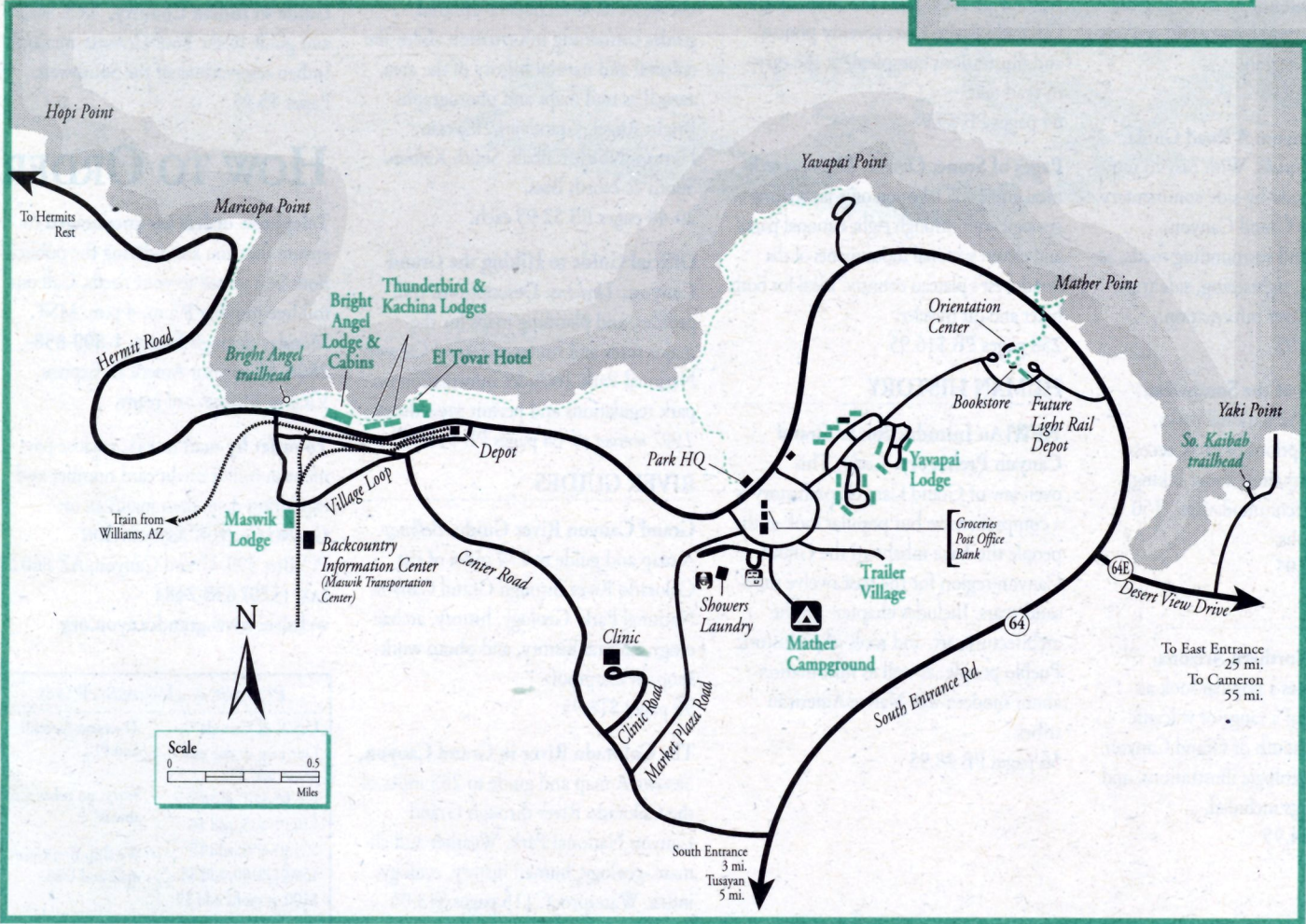
Four Corners Area



North Rim Detail



South Rim Detail



ROAD CONDITIONS

Listed below are commercial phone numbers for a recorded message about road conditions surrounding the Grand Canyon:

Grand Canyon National Park	520-638-7888
Arizona	888-411-7623
California	916-445-7623
Colorado	303-639-1111
New Mexico	505-827-9300 800-432-4269
S.E. Nevada	702-486-3116
Utah	801-964-6000

MAIL ORDER PUBLICATIONS

The following publications have been selected for their value in trip planning and usefulness en route to Grand Canyon National Park. These items and more than 200 additional titles may be ordered by mail, telephone, or FAX from Grand Canyon Association. For a more complete listing, request a free copy of our latest product catalog by calling 1-800-858-2808.

BOOKS

TRIP PLANNING

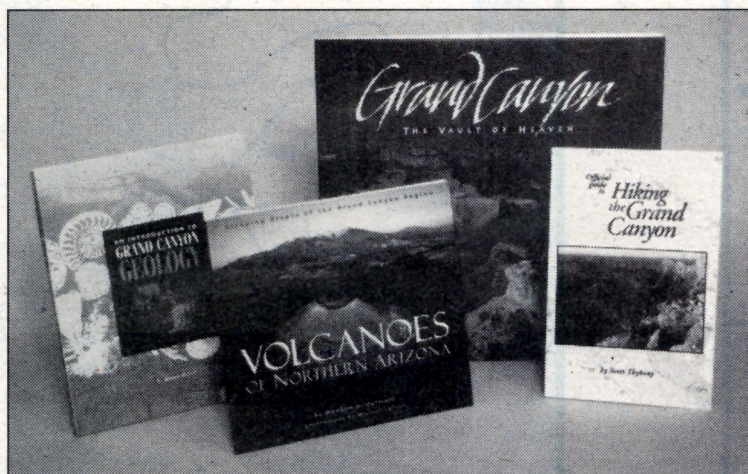
Trip Planning Package. This set of publications has been compiled to answer the questions most often asked by people who are planning a trip to Grand Canyon National Park. Set includes: *A Guide to Grand Canyon National Park and Vicinity*, *Along the Rim* (history, geology, ecology of the South Rim), *Bright Angel Trail Guide*, *South Kaibab Trail Guide*, *A Guide to Indian Country Map*, and *Pocket Naturalist™ Field Guide to Grand Canyon* (identifies plants, animals, reptiles and fossils found throughout the park). Complete set (\$26.70 value) just \$22.00 plus \$6.00 shipping.

GENERAL INTEREST

A Guide to Grand Canyon National Park and Vicinity, *Scott*. This complete guide to the park provides the most up-to-date information available on the park, its facilities, and recreational opportunities. Includes detailed information on lodging, dining, camping, backcountry hiking, permits, and fees. Includes maps and photos. 104 pages PB \$5.95

NEW! Introduction to Grand Canyon set. A great introduction to the natural, geologic, and human history of Grand Canyon, this three-book set addresses Grand Canyon's major interpretive themes in language that's both engaging and easy to follow. includes: *An Introduction to Grand Canyon Ecology* by Rose Houk, *An Introduction to Grand Canyon Geology* by L. Greer Price, and *An Introduction to Grand Canyon Prehistory* by Christopher M. Coder (\$25.85 value) \$19.95

Arizona: The Grand Canyon State, *Walker*. A pictorial guide to the most popular tourist destinations in Arizona, including the Grand Canyon, Sedona, Monument Valley, Canyon de Chelly, and Petrified Forest. 80 pages PB \$9.95.



An Introduction to Grand Canyon Ecology, *Houk*. Explore Grand Canyon and its astounding ecological diversity with an author who knows it intimately. Illustrations, photographs, and clear, illuminating text help you understand the dynamic nature of ecosystems everywhere. 56 pages PB \$6.95

A Field Guide to the Grand Canyon, *Whitney*. With descriptions and illustrations of Grand Canyon's numerous plants and animals, this fully updated field guide is your key to unlocking the secrets of the natural history and geology of this dramatic region. 269 pages PB \$19.95

The Grand Canyon: A Road Guide, *Free-Wheeling Guides*. With easy to use road maps and side-by-side commentary, this book covers Grand Canyon National Park and surrounding roads, as well as camping, sightseeing, side trips, and Colorado River information. 96 pages PB \$6.95

National Parks of the Southwest, *Leach*. Features 52 national parks, including descriptions of each, access maps, and information about hiking, camping, and accommodations. 150 color photographs. 80 pages PB \$9.95

GEOLOGY

Volcanoes of Northern Arizona, *Duffield*. Provides a popular look at the fiery origin of a range of volcanic mountains just south of Grand Canyon. Aerial photos, geologic illustrations, and detailed road logs included. 72 pages PB \$14.95

Satellite Image of the Grand Canyon Region, *produced in cooperation with the U.S. Geological Survey*. This LANDSAT image of northern Arizona is one of the highest quality images of its kind available on the market today. Accompanied by explanatory text and additional graphics. 38" x 26" \$12.00

NEW! An Introduction to Grand Canyon Geology, *Price*. The perfect introduction to one of the most significant geologic features on our planet. Includes sections on the geologic record, regional geology, plate tectonics, and the Colorado River. Over seventy photos and illustrations complement the easy-to-read text. 64 pages PB \$9.95

Pages of Stone, *Chronic*. This non-technical guide will take you on a fascinating geologic tour through eight national parks and eleven national monuments of the Southwest's plateau country. Ideal for both hiker and car traveler. 258 pages PB \$16.95

HUMAN HISTORY

NEW! An Introduction to Grand Canyon Prehistory, *Coder*. This overview of Grand Canyon prehistory is a comprehensive but popular look at the people who have inhabited the Grand Canyon region for the past twelve thousand years. Includes chapters on the architecture, art, and tools of prehistoric Pueblo people, as well as information about modern-day Native American tribes. 56 pages PB \$8.95

In the House of Stone and Light, *Hughes*. Detailed look at the human history of Grand Canyon before and after it became a national park. Historic photos. 137 pages PB \$14.95

Exploration of the Colorado River and Its Canyons, *Powell*. Major J.W. Powell's account of his historic expeditions on the Colorado River through the Grand Canyon in 1869 and 1871. 397 pages PB \$9.95

NATIVE AMERICAN

Southwestern Indian Tribes, *Bahti*. An overview of the history, culture, and art of native tribes of the Southwest. 80 pages PB \$7.95

HIKING/BACKPACKING

NEW! Hiking the Canyon Kit. A great way to prepare for your trek. Before you hike, take a look at this kit. Kit includes: *The Official Guide to Hiking Grand Canyon* (developed in cooperation with the National Park Service), *Trails Illustrated Topo Map™*, and *Grand Canyon Hiking Video* (details how to prepare for a backpacking trip). (\$34.85 value) \$25.00

Individual Trail Guides. An informative series of seven pocket-size trail guides containing information about the cultural and natural history of the area, as well as trail maps and photographs. Bright Angel, Grandview, Havasu, Hermit, North Kaibab, South Kaibab, South & North Bass. 20-48 pages PB \$2.95 each.

Official Guide to Hiking the Grand Canyon, *Thybonny*. Descriptions, trail profiles, and planning maps for the major trails and routes in Grand Canyon National Park. Includes information on park regulations and permit procedures. 1997 revised ed. 68 pages PB \$11.95

RIVER GUIDES

Grand Canyon River Guide, *Belknap*. A map and guide to 279 miles of the Colorado River through Grand Canyon National Park. Geology, history, archaeology, natural history, and photo workshop. Waterproof. 96 pages \$18.95

The Colorado River in Grand Canyon, *Stevens*. A map and guide to 283 miles of the Colorado River through Grand Canyon National Park. Weather and climate, geology, human history, ecology, index. Waterproof. 115 pages \$13.95

CHILDREN

Exploring the Grand Canyon, *Foster*. A lively book about the natural and cultural history of the Grand Canyon, and the hikes and activities awaiting children today. Ages 9-12. Illustrated. 160 pages PB \$15.95

I See Something Grand, *Chandler*. A child and her grandfather discover the secrets of the Grand Canyon. Ages 3-6. Richly illustrated. 32 pages PB \$8.95

MAPS

NPS RECOMMENDED! Trails Illustrated Map™. Topo map clearly shows inner canyon trails and backcountry use areas. Covers eight 15-minute quads, backcountry trip planning information. Water- & tearproof plastic. Scale 1:73,530; \$9.95

Hiking Map and Guide, *Earthwalk Press*. Large-scale topographic map of both rims and inner canyon trails from Hermit to Grandview. Map locator coordinates for natural features. Trip planning information. Scale 1:48,000 Paper \$3.95

Guide to Indian Country, *AAA*. Map and guide to the Four Corners area and Indian reservations of the Southwest. Paper \$3.95

HOW TO ORDER

Telephone orders are encouraged to ensure that you are ordering the publications best suited to your needs. Call our toll free number 8 a.m.-4 p.m. MST, Monday through Friday, 1-800-858-2808. Have your American Express, Visa, or MasterCard ready.

To order by mail or FAX, enclose payment in full or credit card number and expiration date, then mail/FAX to:

GRAND CANYON ASSOCIATION
PO Box 399, Grand Canyon, AZ 86023
FAX: (520) 638-2484
website: www.grandcanyon.org

POSTAGE & HANDLING RATES

U.S.A. & Canada	Overseas Airmail
One map or one trail guide, add \$3	Add \$10
For \$0-\$10, add \$5	
\$10.01-\$25, add \$6	
\$25.01-\$50, add \$7	
\$50.01-\$100, add \$8	
\$100 or more, add \$9	

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We ship first class mail and UPS.

Prices subject to change without notice.