THE GUIDE

GRAND CANYON NATIONAL PARK

SOUTH RIM Volume XXII, Number 1 October 19, 1998 - March 11, 1999

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MOUNTAIN STANDARD TIME

Arizona does not use Daylight Savings Time.

Buckle up. It's the law.

EMERGENCY • 911

24 hours a day
Dial 911 (any phone)
Dial 9-911 (hotel phones)

638-2477 is an additional emergency number.
For general park information dial 638-7888.

USE CAUTION NEAR THE EDGE



FOOTING CAN BE DANGEROUS



WILDLIFE WARNING

Grand Canyon's deer, squirrels, ravens and other wild animals are suffering. Help us!

You can make a difference:

Keep your distance – Discourage animals from approaching you. Scare them away.
Never feed them – Once a wild animal is fed human food, it becomes addicted—this habit culminates in the animal's death.
Inform others – If you see other visitors approaching or feeding wildlife, please stop them and let them know they are killing the animal. Report to a ranger the offenders' license plate numbers and/or other identifying information. It is a crime to feed or even approach park wildlife. *36CFR2.2(A)(2) – fines up to $5000.*

Remember, deer can be aggressive and may seriously injure you. Squirrels carry bubonic plague and rabies. Protect yourself and your family: keep a safe distance while enjoying the park's wildlife. See page 3 for more information.

Enjoying Grand Canyon

There is no one or best way to experience the Grand Canyon. Factors such as time, interests and weather influence your visit. The following "MENU" of possible activities is provided for you to design your personal Grand Canyon experience. For locating places mentioned below please refer to maps on pages 6, 7, 11 and 12. *(An Accessibility Guide is available for visitors with mobility impairments.)*

ACTIVITY	COMMENTS
VISIT WEST RIM SCENIC DRIVE *8 miles one way* *at least two hours*	• Tour by private vehicle or comercial bus. • Scenic views at Maricopa, Hopi, Mohave, Pima Points. • Visit Hermits Rest—a historic landmark.
VISIT EAST RIM SCENIC DRIVE *25 miles one way*	• Tour by private vehicle or commercial bus. • Views of river at Moran Point, Lipan Point, Desert View. • May exit park to east on this road.
HIKING THE GRAND CANYON	
Walk part of the Rim Trail	• See map pages 6-7; described on page 10. • Trail may be accessed at many locations along rim.
Day Hike into the Grand Canyon	• See pages 10-11 for information on trails and safety. • It will take twice as long to hike up as it does to hike down. • Ice on trails—use in-step crampons on your hiking boots.
Backpack in the Grand Canyon	• Permit and fees required. See page 11. • Inquire at Backcountry Office (8 a.m.-12 p.m. & 1-5p.m.).
ATTEND FREE RANGER PROGRAMS	• Listed on pages 2 and 4. • Junior Ranger program described on page 2.
VISIT A MUSEUM OR VISITOR CENTER	• The park offers a variety of museums and visitor centers which house exhibits and provide park information. • See page 3 for more information.

SUNSET TIMES & SUNSET PLACES

Both sunrise and sunset are lovely at Grand Canyon. While there is no single *best place* to view them, some of our visitors' favorite spots include: Hopi Point on West Rim Drive; Yavapai Point in the village area; Yaki and Lipan Points on East Rim Drive; and Desert View at the east entrance of the park (*refer to maps on pages 6, 7, 11 and 12*). Any of these points which extend into the canyon afford spectacular views! Plan to arrive at the viewpoint of your choice 30 minutes before sunset. Linger awhile to catch the canyon's changing colors.

DATE	SUNRISE	SUNSET
OCT. 19	6:38 A.M.	5:49 P.M.
OCT. 28	6:47 A.M.	5:38 P.M.
NOV. 6	6:56 A.M.	5:29 P.M.
NOV. 15	7:05 A.M.	5:22 P.M.
NOV. 24	7:14 A.M.	5:17 P.M.
DEC. 4	7:23 A.M.	5:14 P.M.
DEC. 13	7:30 A.M.	5:15 P.M.
DEC. 22	7:36 A.M.	5:18 P.M.
DEC. 31	7:39 A.M.	5:24 P.M.
JAN. 9	7:40 A.M.	5:32 P.M.
JAN. 18	7:38 A.M.	5:40 P.M.
JAN. 27	7:33 A.M.	5:50 P.M.
FEB. 5	7:26 A.M.	5:59 P.M.
FEB. 14	7:17 A.M.	6:08 P.M.
FEB. 23	7:07 A.M.	6:17 P.M.
MARCH 3	6:55 A.M.	6:26 P.M.

Leaving the Park?

Pick up a free DESTINATIONS GUIDE at the Visitor Center for information about other destinations in the region.

MOUNTAIN STANDARD TIME

Arizona does not use Daylight Savings Time.

RANGER PROGRAMS

VILLAGE AREA

ACTIVITY	SUN	MON	TUE	WED	THU	FRI	SAT
GEOLOGY TALK Old rocks, but a young canyon? How did it happen? Come explore the remarkable formation of the Grand Canyon. Allow 30 minutes. Meet at Yavapai Observation Station. **No program on Dec. 25 and Jan. 1.**	9:30 A.M.	9:30 A.M.	9:30 A.M.	9:30 A.M.	9:30 A.M.	9:30 A.M.	9:30 A.M.
WINTER WONDERLAND *Come discover some of the wonderful aspects* of winter at the Grand Canyon. You may learn about unique forms of winter transportation, adaptations of plants and animals, or track identification in snow and mud. Dress warmly for this 1/2-mile walk or outdoor talk. Allow 45 minutes. Meet at the Vistor Center. **No program on Dec. 25 and Jan. 1.**	11:00 A.M.	11:00 A.M.	11:00 A.M.	11:00 A.M.	11:00 A.M.	11:00 A.M.	11:00 A.M.
GRAND CANYON GRAB BAG Join a ranger at Yavapai Point for an hour long, informal question and answer session. Hiking and travel information available. Meet at Yavapai Observation Station. **No program on Dec. 25 and Jan. 1.**	2:30 P.M.	2:30 P.M.	2:30 P.M.	2:30 P.M.	2:30 P.M.	2:30 P.M.	2:30 P.M.
EVENING PROGRAM ♿ Join a ranger for a narrated program about the canyon's natural or cultural history. For program topic, check the bulletin board at the Visitor Center, or call 638-7888. Allow one hour. Question and answer period begins 15 minutes prior to the program. Meet at the Shrine of the Ages auditorium, adjacent to the Visitor Center.	7:30 P.M.	7:30 P.M.	7:30 P.M.	7:30 P.M.	7:30 P.M.	7:30 P.M.	7:30 P.M.

DESERT VIEW AREA

GLIMPSES OF THE PAST ♿ Consider the ancient people who called Grand Canyon "home" 800 years ago. How did they survive in this harsh climate? A 1/10-mile walk on a flat, paved trail affords access to the ruins of an ancestral Pueblo (Anasazi) village. Allow 45 minutes. Meet at Tusayan Museum. **No program on Dec. 25 and Jan. 1.**	11:00 A.M. 1:30 P.M.	11:00 A.M. 1:30 P.M.	11:00 A.M. 1:30 P.M.	11:00 A.M. 1:30 P.M.	11:00 A.M. 1:30 P.M.	11:00 A.M. 1:30 P.M.	11:00 A.M. 1:30 P.M.

SPECIAL PROGRAMS will be offered periodically. Please visit the Visitor Center to inquire about topics, times and places.

ϟ ***All outdoor programs are subject to cancellation during rain, snow, or lightning storms. Children must be accompanied by an adult on all programs.***

♿ **Indicates that program is wheelchair accessible with assistance.** ***Wheelchairs may be available for loan at the Visitor Center.***

JUNIOR RANGERS

BECOME A JUNIOR RANGER Grand Canyon National Park offers a Junior Ranger program for children through age 14. To take part in the program, pick up a Junior Ranger newspaper at the Visitor Center or Tusayan Museum information desk and complete the listed activities for the appropriate age level. Once completed, bring the newspaper back to the information desk to receive an official Junior Ranger certificate and badge. Junior Rangers will then be eligible to purchase a special patch for $1.50.



VISITOR CENTERS & MUSEUMS



Kolb Studio

Once the home and business of the Kolb brothers, pioneering photographers at Grand Canyon, this building has been restored. The bookstore and auditorium are open to the public.

Art exhibits are on display in the auditorium. See page 4 for details and exhibit schedule. Free admission.

Kolb Studio is located in the Village Historic District, at the Bright Angel Trailhead. Open daily from 8 a.m. to 6 p.m. through Oct 31; 8 a.m. to 5 p.m. beginning Nov. 1.



Tusayan Museum

A visit to Tusayan Ruin and Museum will provide a glimpse of Pueblo Indian life at Grand Canyon some 800 years ago. The museum, located 3 miles west of Desert View, is open daily from 9 a.m. to 5 p.m. Museum will be closed Dec. 25 and Jan. 1. Free admission.

A self-guiding trail leads through the adjacent 800-year-old ruin. Ranger-led ruin tours are offered daily; see schedule on page 2 for times and dates.

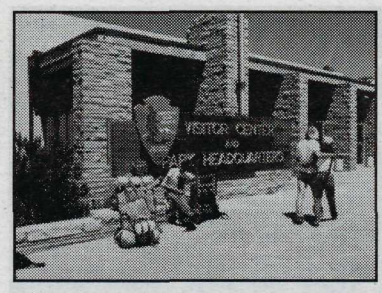


Yavapai Observation Station

Yavapai Observation Station, located 5 miles north of the park's south entrance, contains temporary exhibits about the fossil record at Grand Canyon. A panorama of the canyon is visible through the building's large windows.

Open daily from 8 a.m. to 6 p.m. through Oct. 31; 8 a.m. to 5 p.m. beginning Nov. 1. Educational materials about the park and region are sold in the non-profit bookstore located here.

See page 2 for list of ranger-led programs originating here.

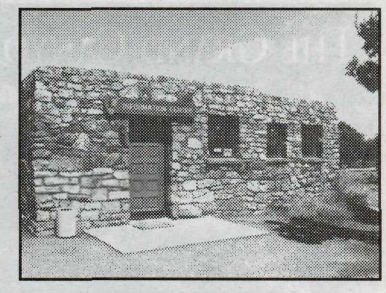


Visitor Center

The Visitor Center is in the village and is located 6 miles north of the park's south entrance station. Open daily from 8 a.m. to 6 p.m. through Oct. 31; 8 a.m. to 5 p.m. beginning Nov. 1.

Information about the park, maps, and brochures may be obtained at the information desk. Educational materials about the park and region are sold in the non-profit bookstore.

An orientation slide presentation is shown every 30 minutes in the auditorium from 8:30 a.m. until one half hour before closing.



Desert View Information Center

Orientation, park information and books are available at Desert View Information Center, located at the park's east entrance. Open as staffing permits.



SAVE THE WILDLIFE

Recently, we had the unappealing task of shooting 15 deer in Grand Canyon National Park. Appalling? We think so, too. All 15 deer were sickly, weakened, and starving. Why? Because people were feeding them. These deer became habituated to human food, and consumed plastic bags, food wrappers, and plastic twine along with the crackers, potato chips, and cookies.

Autopsies revealed that the deer stomachs were clogged with ingested trash; in some cases 3-5 **pounds** of plastic obstructed the animals' digestive systems. Food could not be processed, and the animals were starving even while they ate.

We are also concerned about you. Deer expecting handouts can become aggressive, and have kicked, butted, gored, and bitten our visitors. Quite a number have had to be treated for their wounds. In other national parks, people have been killed by deer. We don't want this to happen to you. Deer are not the only concern; bighorn sheep and rock squirrels will beg and will bite. Squirrels can carry bubonic plague and each year people in Arizona are infected.

GET INVOLVED!



GRAND CANYON ASSOCIATION MEMBERSHIP (GCA) One of the best ways you can help support Grand Canyon National Park is by becoming a member of GCA. This non-profit organization operates bookstores throughout the park and publishes educational materials. Profits generated by sales directly support Grand Canyon National Park. Members of GCA receive a 20% discount on all purchases at association bookstores and through mail order.

For more information, call the membership office at (520) 638-2485, or stop by one of GCA's bookstores.

GRAND CANYON FIELD INSTITUTE (GCFI) In-depth classes about Grand Canyon are offered to the general public through GCFI. Classes are one to eight days in length and cover subjects such as geology, ecosystems, native cultures, birds, photography, botany and much more. Introductory and advanced backpacking trips are available as well. Classes are offered April through early November and meet on either the North or South Rim of the canyon unless noted otherwise.

For a course catalog call or write: Grand Canyon Field Institute, Post Office Box 399, Grand Canyon, AZ 86023; Phone: (520) 638-2485. Website: www.thecanyon.com/fieldinstitute

GRAND CANYON NATIONAL PARK FOUNDATION

Grand Canyon National Park Foundation (GCNPF) is the primary fund raising partner working for Grand Canyon National Park's future. The foundation seeks private funding for park projects approved by the park superintendent. Currently, we are working on the following:

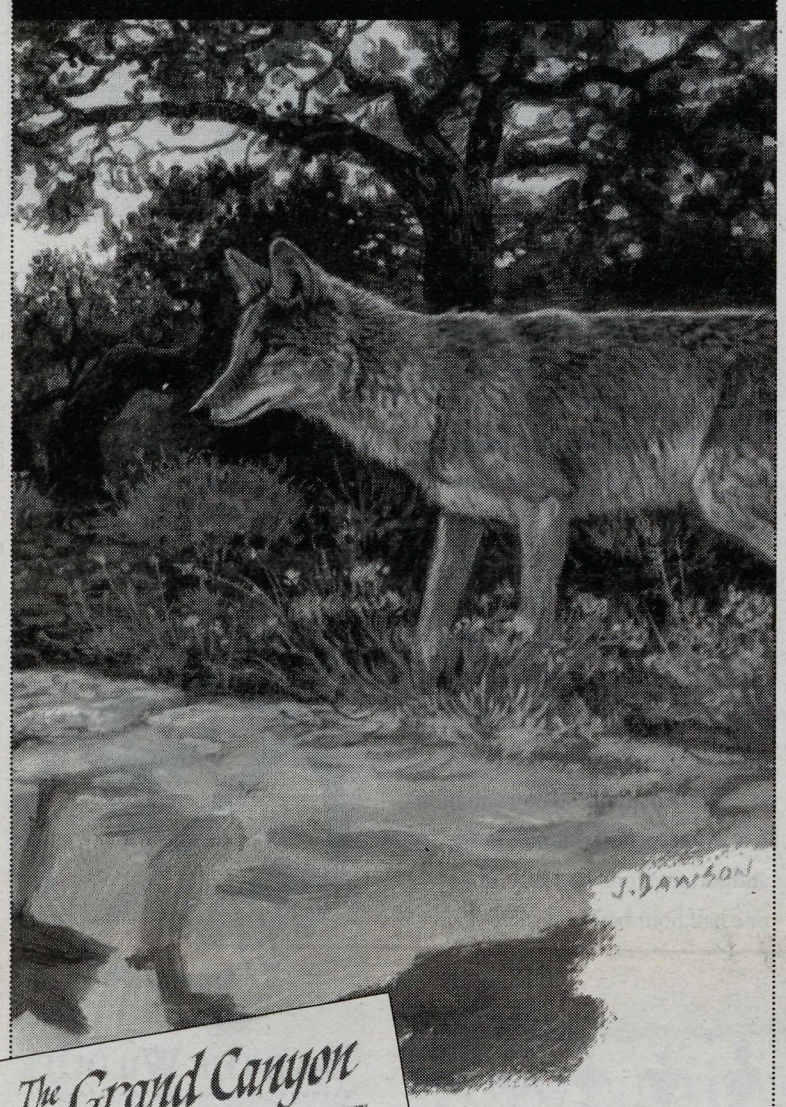
- the Heritage Education Campus which is a multi-year historic preservation project that will transform buildings within Grand Canyon Village into a state-of-the-art educational center.
- the Grand Canyon Greenway trail project which will increase the trail system on both rims of the canyon, and provide expanded opportunities for bicyclists, pedestrians, and equestrians.

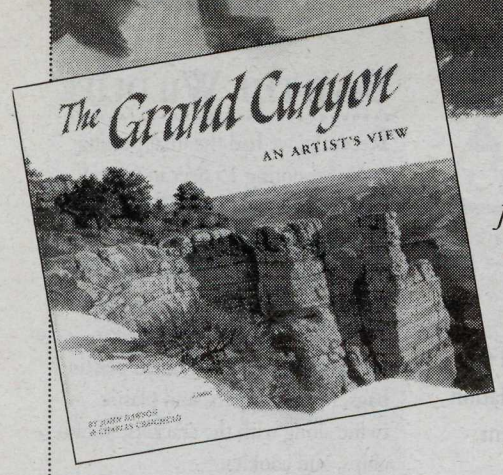
Contributions are accepted at in-park donation boxes or by mail. Your gift *does* make a difference. More information is available at the Visitor Center, at GCNPF's website (www.grandcanyonfoundation.org), or by writing GCNPF, 3100 N. Fort Valley Road, #12, Flagstaff AZ 86001.

VOLUNTEER If you or your group would like to give something back to Grand Canyon, join the Habitat Restoration Team! Projects will help restore the canyon's natural environment and may include: repotting or planting native plants and removing alien species; restoring a historic cabin; creating tent pads for volunteers; painting and carpentry. Projects range in length from a few hours to a week. For more information call Frank Hays at (520) 638-7857. Large projects will require planning time; if you have a few hours to give we may be able to utilize your talents today.

SPECIAL EVENTS

THE GRAND CANYON: AN ARTIST'S VIEW





John Dawson's book is available at all Grand Canyon Association bookstores.

JOHN DAWSON EXHIBIT The park is presenting a collection of Grand Canyon inspired works by artist John Dawson at Kolb Studio (near the Bright Angel Trailhead). Grand Canyon Association and the Grand Canyon National Park Foundation recently acquired this complete series of over 100 original sketches, studies, and paintings entitled "The Grand Canyon: An Artist's View" for the park's permanent collection.

The works, on display **through October 24, 1998**, reflect the process of developing illustrations for the book and chronicle the artist's relationship with Grand Canyon.



HAWKWATCH INTERNATIONAL

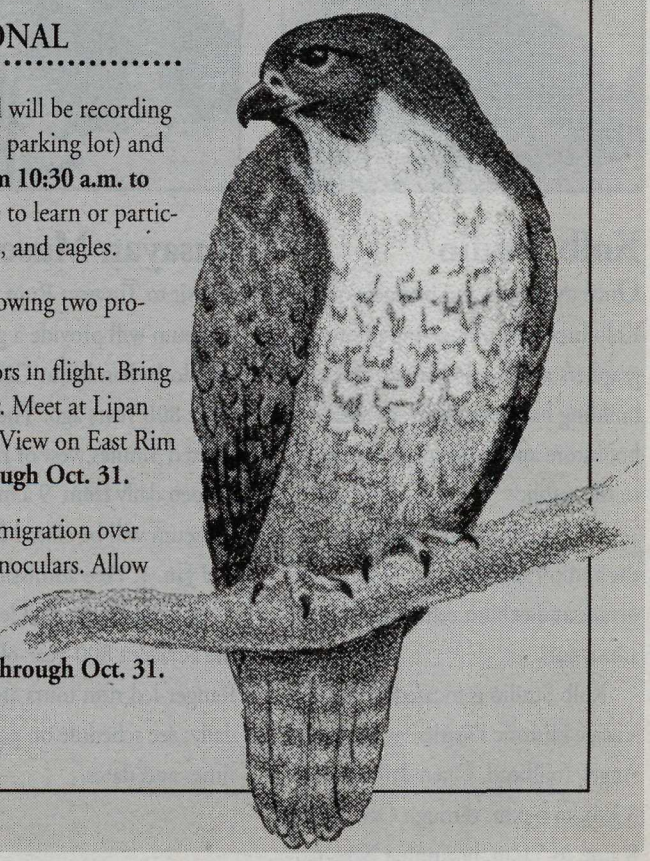
Representatives of Hawkwatch International will be recording the fall hawk migration at Lipan (west of the parking lot) and Yaki Points on the East Rim Drive **daily from 10:30 a.m. to 4 p.m. through Nov. 5.** Visitors are welcome to learn or participate in identifying migratory hawks, falcons, and eagles.

Hawkwatch International also hosts the following two programs on the subject:

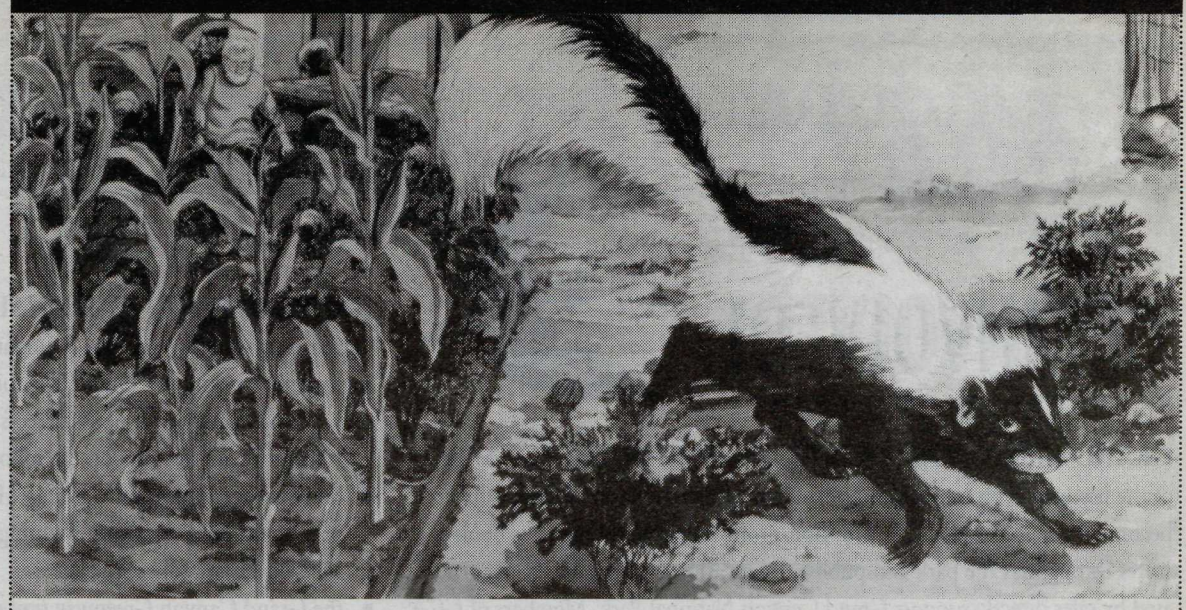
Raptors in Flight Learn to identify raptors in flight. Bring a bird book and binoculars. Allow 1 hour. Meet at Lipan Point parking lot (3 miles west of Desert View on East Rim Drive). **Thurs.-Mon. at 10:30 a.m. through Oct. 31.**

Hawk Migration Observe the fall hawk migration over Grand Canyon. Bring a bird book and binoculars. Allow 45 minutes. Meet at Lipan Point parking lot (3 miles west of Desert View on East Rim Drive). **Thurs.-Mon. at 1:00 a.m. through Oct. 31.**

Peregrine falcon illustration by Pam Frazier.



ARIZONA STORYBOOK ART EXHIBIT



ARIZONA STORYBOOK ART EXHIBIT This exhibit celebrates original artwork for children's picture books. Curated by Lennee Eller, curator for Phoenix Sky Harbor Art Program, the exhibit consists of forty original pieces by twelve artists/illustrators, and includes the original work alongside the published illustration.

The variety of artists and media represented provides opportunities for visual exploration and aesthetic appreciation, as well as for exploring the significance that pictures bring to the art of storytelling. The illustrations convey special qualities of meaning that language and the written word frequently cannot convey.

Because illustration was considered a supplement to text and a method of making information more appealing to the masses, early illustators were regarded first as craftsmen and then as folk artists. The contemporary work of these artists and illustrators redefines artistic categories and provides a new level of aesthetic appreciation for storybook art.

Arizona Storybook Art **opens November 8, 1998** at Kolb Studio auditorium (near the Bright Angel Trailhead). Don't miss it!

A traveling exhibit from the Arizona Commission on the Arts. Sponsored by Grand Canyon National Park and Grand Canyon Association.
Above: Skunk by Sylvia Long (pen, ink, and water color).

A New Way to Visit

GRAND CANYON NATIONAL PARK IS PLEASED TO ANNOUNCE the decision to implement a combined light rail and alternative fuel bus system to transport visitors to and within the South Rim of the park. After exploring several options, light rail was selected as the optimum mode for travel from the gateway community of Tusayan to the park. Alternative fuel buses were selected for connections within the park. We believe this combination, along with a new transit center offering orientation services, will provide visitors a quality experience at a great national park.

In recent years, management of Grand Canyon National Park has become increasingly challenging. Protection of park resources and providing a quality experience for park visitors are becoming ever more difficult with rapidly increasing visitation (over 5 million year) and the accompanying vehicles. The 1995 Grand Canyon National Park General Management Plan defined a new way to visit the park focusing on public transportation and enhanced educational and recreational opportunities.

Over the next several years, transportation at Grand Canyon will be converted from an automobile-based system to one featuring efficient mass transit.

Introducing the New Transit System

How?

The National Park Service intends to develop and operate the light rail and bus components of the transit system through a concession contract. This system will be funded through a portion of visitor entrance fees earmarked for transit.

When?

The transit system will be implemented in phases. Expansion of the existing shuttle bus system is underway and will continue through the next several years. Completion of the Canyon View Information Plaza (near Mather Point), an integral part of the overall transit system, is scheduled for September 2000. Conditions permitting, the system's light rail component will be in place shortly thereafter. Interim transportation to Canyon View Information Plaza will be provided.



Illustration by J. Craig Thorpe

Also Included in the Vision

The Greenway Trail System

From Hermits Rest to Desert View, an accessible trail system will promote pedestrian and bicycle travel along the canyon rim, offering scenic and recreational opportunities in a less crowded setting.

Heritage Education Campus

This collection of nine historic buildings, currently serving administrative and industrial purposes, will be transformed into a visitor discovery and education complex, providing in-depth educational opportunities.

The Canyon View Information Plaza

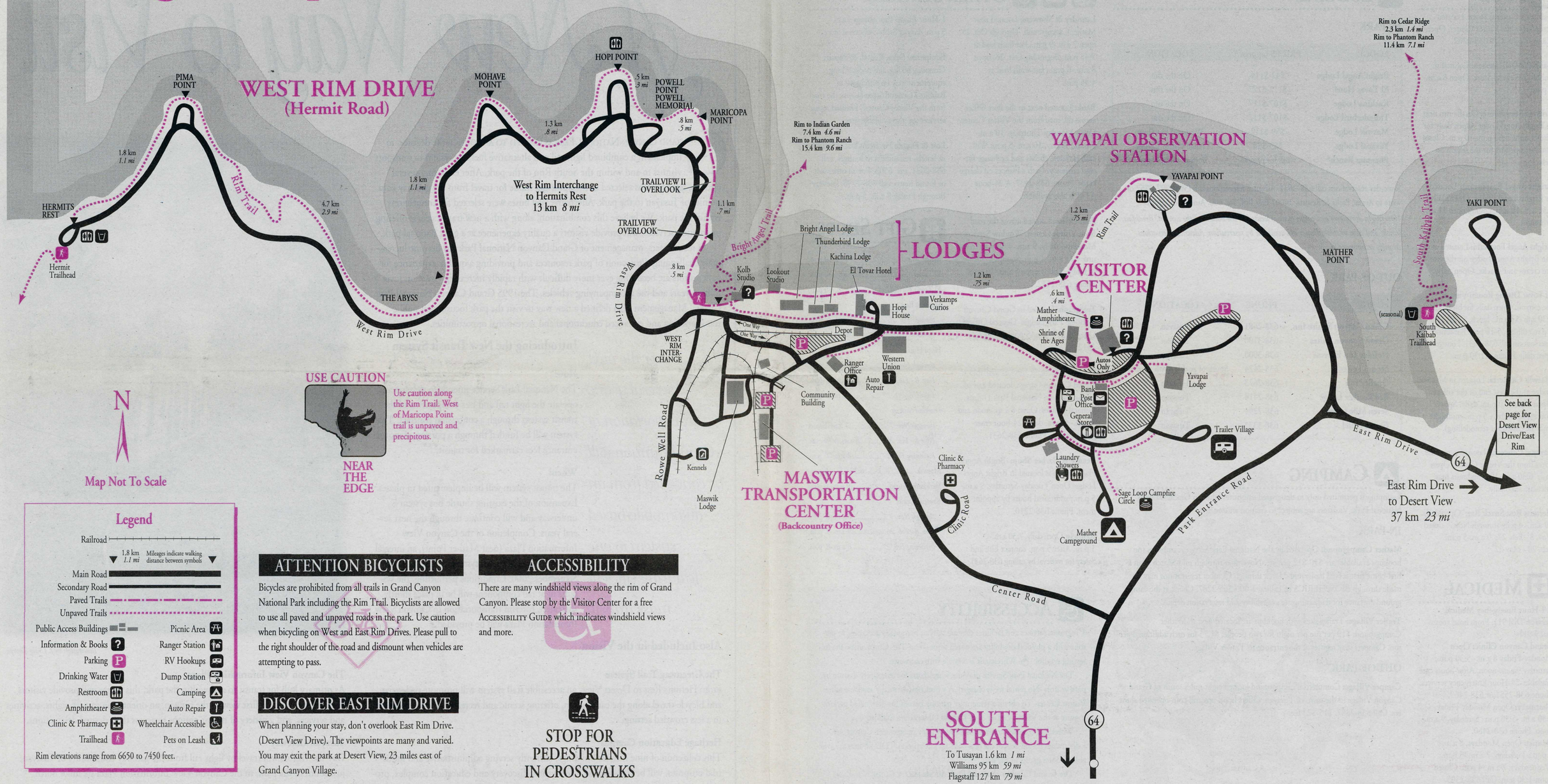
As primary hub for transit to and within the park, this center will provide visitors with an inspirational first view of the canyon, an orientation to park sights, activities and services, and a variety of transit options to access their desired destinations.

Tusayan Gateway

Day-use visitors will travel by light rail from the gateway community of Tusayan, just south of the park, to the Canyon View Information Plaza six miles north.

Visit the official Grand Canyon Future web page at www.nps.gov/grca/future.htm

Village Map



N

Map Not To Scale

USE CAUTION

NEAR THE EDGE

Use caution along the Rim Trail. West of Maricopa Point trail is unpaved and precipitous.

Legend

- Railroad
- 1.8 km 1.1 mi — Mileages indicate walking distance between symbols
- Main Road
- Secondary Road
- Paved Trails
- Unpaved Trails
- Public Access Buildings
- Information & Books
- Parking
- Drinking Water
- Restroom
- Amphitheater
- Clinic & Pharmacy
- Trailhead
- Picnic Area
- Ranger Station
- RV Hookups
- Dump Station
- Camping
- Auto Repair
- Wheelchair Accessible
- Pets on Leash

Rim elevations range from 6650 to 7450 feet.

ATTENTION BICYCLISTS

Bicycles are prohibited from all trails in Grand Canyon National Park including the Rim Trail. Bicyclists are allowed to use all paved and unpaved roads in the park. Use caution when bicycling on West and East Rim Drives. Please pull to the right shoulder of the road and dismount when vehicles are attempting to pass.

ACCESSIBILITY

There are many windshield views along the rim of Grand Canyon. Please stop by the Visitor Center for a free Accessibility Guide which indicates windshield views and more.

DISCOVER EAST RIM DRIVE

When planning your stay, don't overlook East Rim Drive. (Desert View Drive). The viewpoints are many and varied. You may exit the park at Desert View, 23 miles east of Grand Canyon Village.

STOP FOR PEDESTRIANS IN CROSSWALKS

LODGING & SERVICES

FOOD

Babbitt's General Store: Located across from the Visitor Center. Open 8 a.m.-7 p.m. Call 638-2262.

Babbitt's Delicatessen: Located in Babbitt's General Store. Open 8 a.m.-6 p.m.

Arizona Steakhouse: On the rim next to Bright Angel Lodge. Open daily for dinner only, 4:30 p.m.-10 p.m. Closes Jan. 2, reopening for the season on Feb. 15.

Bright Angel Restaurant: Located in Bright Angel Lodge. Open daily 6:30 a.m.-10 p.m. Lounge open 11 a.m.-midnight.

Bright Angel Fountain: Located at the Bright Angel Lodge on the rim. Ice cream and snacks. Open daily.

El Tovar Dining Room: View of the canyon. Open daily for breakfast, 6:30 a.m.-11 a.m.; lunch, 11:30 a.m.-2 p.m.; dinner, 5-10 p.m. For dinner reservations, call 638-2631. Lounge open daily 11 a.m.-11:30 p.m.

Maswik Cafeteria: Located in Maswik Lodge at the west end of the village. Open 6 a.m.-10 p.m. daily. Sports Lounge open daily 5 p.m.-midnight. (may be closed for remodelling).

Yavapai Cafeteria: Located across the street from the Visitor Center. Open daily 6:30 a.m.-10 p.m; hours may fluctuate seasonally.

Hermits Rest Snack Bar: Open daily 10 a.m.- 4 p.m. through Nov.7; closed Nov. 8 - Feb. 27; 9 a.m.-5 p.m. Feb. 28 - May 22

MEDICAL

24-Hour Emergency Medical Service: Dial 911. From hotel rooms dial 9-911.

Grand Canyon Clinic: Open Monday-Friday 8 a.m.- 5:30 p.m.; Saturday 9 a.m.-noon. After-hours care available. 24-Hour Emergency services. Phone 638-2551 or 638-2469.

Pharmacy: Open Monday-Friday, 8:30 a.m. -5:30 p.m.; Saturday, 9 a.m.-noon. Phone 638-2460.

Dentist: Open Mondays, 8 a.m.-5 p.m.; Tuesdays, 7 a.m. -5 p.m.; Wednesdays, 7 a.m.-4 p.m. Closed noon-1:30 p.m. Call 638-2395.

LODGING

IN-PARK

LODGE	PRICES (approx.)	LOCATION
Bright Angel Lodge	$42-$114	On the rim
El Tovar Hotel	$112-$277	On the rim
Kachina Lodge	$107-$117	On the rim
Thunderbird Lodge	$107-$117	On the rim
Maswik Lodge	$59-$112	West end of village
Yavapai Lodge	$83-$98	Near Visitor Center
Phantom Ranch*	(call for prices)	Bottom of the canyon

Same-day reservations call **638-2631**. Advance reservations call **(303) 297-2757** or write to Amfac Parks & Resorts, 14001 East Iliff, Ste. 600, Aurora, CO 80014.

**Overnight dormitory and cabin space is located at the bottom of the canyon. Breakfast, lunch, and stew or steak dinner are available by reservation. Advance reservations strongly recommended.*

OUT-OF-PARK

LODGE	PHONE	LOCATION
Grand Canyon Squire Inn	638-2681	Tusayan
Grand Canyon Suites	638-3100	Tusayan
Holiday Inn Express	638-3000	Tusayan
Moqui Lodge	638-2424	South of park's south entrance
Quality Inn	638-2673	Tusayan
Red Feather Lodge	638-2414	Tusayan
Seven Mile Lodge	638-2291	Tusayan
Grand Hotel	638-3333	Tusayan

CAMPING

Camping is permitted only in designated campsites while in Grand Canyon National Park. Violators are subject to citation and/or fine.

IN-PARK

Mather Campground: Operated by the National Park Service, campsites (no hookups available) are $10-$12 per site. November through mid-March is on a first-come first-served basis; mid-March through October reservations may be made through BIOSPHERICS by calling 1-800-365-2267. Check at the campground entrance for daily campsite availability and reservation details.

Trailer Village: Trailer sites with hookups are located next to Mather Campground; $19 per site per night for two people; $1.75 for each additional person. Campers may register at the entrance to Trailer Village.

OUT-OF-PARK

Camper Village: Commercial campground located eight miles south of Grand Canyon Village in the town of Tusayan. Offers hook-ups and coin-operated showers. Call 638-2887. $15-$23 fee.

OTHER SERVICES

Laundry & Showers: Located near Mather Campground. Through Oct. 25, open 7 a.m.-9 p.m.; last wash load at 7:45 p.m; Beginning Oct. 26, open 8 a.m.-6 p.m.; last wash load at 4:45 p.m.

Bank: Located next to the Post Office across the road from the Visitor Center. Open Monday-Thursday, 10 a.m.-3 p.m.; Friday, 10 a.m.-5 p.m. Will cash travelers checks and exchange foreign currency. Cash advances on charge cards. Phone 638-2437. A 24-hour ATM is also available.

Post Office: Located across the road from Visitor Center. Window Service: Monday-Friday, 9 a.m.-4:30 p.m.; Saturday 11 a.m.-1 p.m. Stamps available in lobby. Lobby open 5 a.m.-10 p.m. Phone 638-2512.

Telegraph: Located in Grand Canyon National Park Lodges' General Offices. Open daily 8 a.m.-5 p.m. Phone 638-2512.

Garage: Mechanic services available at Grand Canyon Garage, located east of Grand Canyon National Park Lodges' General Offices. Open 8 a.m.-noon and 1 p.m.- 5 p.m. daily. 24-hour emergency service. Phone 638-2631.

Beauty & Barber Shop: Bright Angel Hair Design is located in Bright Angel Lodge. Open Tuesday-Saturday, 9 a.m.-5 p.m.; additional hours by appointment. Phone 638-2210.

Kennels: Open daily, 7:30 a.m.-5 p.m. After 5 p.m. contact Fire and Safety for retrieval by calling 638-2631.

1-Hour Photo Processing: 9 a.m.-5 p.m. daily at Babbitt's General Store.

Equipment Sales, Rental, & Repair: Camping, hiking, and backpacking equipment may be purchased at Babbitt's General Store (across the road from the Visitor Center). Limited repair services are also available here.

Lost & Found: For items lost or found in hotels, restaurants or lounges, call 638-2631, ext. 6503. For all other lost or found items, call 638-7798 Tuesday through Friday 8 a.m.-5 p.m.

GIFT SHOPS

Bright Angel .....7 a.m.-10 p.m.
El Tovar .....7 a.m.-10 p.m.
El Tovar Newsstand.....7 a.m.-10 p.m.
Hermits Rest
through Feb. 26 .....9 a.m.-5 p.m.
beginning Feb. 27.....9 a.m.-6 p.m.
Hopi House
through Nov. 7 .....7 a.m.-6 p.m.
Nov. 8 - Feb. 26.....9 a.m.-5 p.m.
beginning Feb. 27.....8 a.m.-7 p.m.
Lookout Studio
through Nov. 7.....7 a.m.-sunset
Nov. 8 - Feb. 26.....8 a.m.-5:30 p.m.
beginning Feb. 27.....8 a.m.-7 p.m.
Maswik .....6:30 a.m.-10 p.m.
Verkamps Curio .....9 a.m.-6 p.m.
Yavapai Curio
through Nov. 7.....8 a.m.-8 p.m.
Nov. 8 - Feb. 26.....9 a.m.-5 p.m.
beginning Feb. 27.....8 a.m.-8 p.m.

ACCESSIBILITY

Programs, services and facilities that are fully or marginally accessible to persons with a physical disability are noted throughout THE GUIDE using the following symbol: ♿ Wheelchair accessible with assistance.

The National Park Service provides wheelchairs for temporary day use by park visitors. No rental fee is charged. A wheelchair is usually available at the Visitor Center. To obtain a temporary parking permit for designated parking, inquire at the Visitor Center or at Yavapai Observation Station.

Wheelchair-accessible tours are available by prior arrangement. Contact any lodge transportation desk or call 638-2631 for information. TDD phones are available to hotel guests in the park.

The Grand Canyon National Park ACCESSIBILITY GUIDE is available upon request at the Visitor Center, Yavapai Observation Station, Tusayan Museum, and Desert View Information Center.

LODGING & SERVICES

Religious Services

Religious services are offered in the park and surrounding community. The National Park Service does not endorse any group or message. Check current schedules posted at Mather Campground (near restrooms), Visitor Center, Shrine of the Ages, and the information kiosk between Babbitt's and the Post Office. For additional information call numbers listed below.

Grand Canyon Community Church: *(Interdenominational)* 638-2340.

Church of Jesus Christ of Latter-Day Saints: Ted Meredith, Branch President; 638-2792.

Roman Catholic: Father Francis Zagorc, C.S.C., Pastor; 638-2390.

Grand Canyon Assembly of God: Jim Strating, Pastor; 638-9415.

Grand Canyon Baptist Church: Dr. Paul Kinnison, Pastor; 638-9421.

Service Organizations

Lions Club: Meets first and third Wednesdays at 7 p.m. at the Quality Inn in Tusayan. Call 638-2940 after 4 p.m. for information.

Alcoholics Anonymous: Meets Mondays, Wednesdays, and Fridays 6 p.m.-7 p.m. at Kiva Room, Thunderbird Lodge. Meetings are open, non-smoking, and members of all 12-step programs are welcome.

Grand Canyon Rotary Club: Meets Thursdays at noon at the Canyon Room, El Tovar Hotel.

Tours & River Trips

Air Tours: Fixed-wing and helicopter tours of the Grand Canyon region originate daily from Grand Canyon Airport. Air tour reservations may also be made at any Grand Canyon Lodges' Transportation Desk. A list of air tour operators is available upon request from the Visitor Center.

Bus Tours: Tours within the park to Desert View and Hermits Rest, as well as sunrise and sunset tours, are available daily. Wheelchair-accessible coaches are available by prior arrangement. Contact any transportation desk for information or call 638-2631.

Mule Trips: One- and two-day mule trips into the canyon depart in the morning and may be available on a waiting-list basis. Call 638-2631 or contact the Bright Angel Transportation Desk for full information.

Horse Rides: One-, two-, and four-hour trail rides and twilight campfire and wagon rides available. Located at the Moqui Lodge in Tusayan village. For information and reservations call 638-2891.

White Water Raft Trips: White water raft trips through the canyon itself last from 3 days to 2 weeks and require reservations well in advance *(ask Visitor Center staff for a list of river trip operators).*

Transportation

Airport Tusayan Shuttle: Leaves airport every hour on the half-hour. Makes stops in Tusayan and at Maswik Transportation Center. Call 638-0821.

Bus: Bus service between Grand Canyon National Park and Flagstaff or Williams, Arizona, is offered by Nava-Hopi Tours; call 1-800-892-8687, or inquire at lodge transportation desks for schedule. South Rim Travel offers shuttle service from the park to Flagstaff. Call 638-2748 or 800-755-3927 for information and reservations. Greyhound Bus Lines offers service from Flagstaff and Williams, Arizona, to points nationwide.

Train: Grand Canyon Railway offers service between Williams, Arizona and Grand Canyon. Call 1-800-THE-TRAIN for information and reservations. The Railroad Express offers bus service for people to take only a one-way trip on the vintage train. To ride on the train one-way in the morning, contact any Transportation Desk. To ride on the train one-way in the afternoon, contact the Grand Canyon Railway at 1-800-THE-TRAIN.

Taxi: Service is available to the airport, trailheads and other destinations. 24-hour service daily. Call 638-2822 or 638-2631 ext. 6563.

Transportation Desks: Information about wheelchair-accessible vehicles, taxis, coaches, tours, mule rides, horseback riding, Phantom Ranch facilities, Kaibab Trailhead shuttle, and sightseeing air tours of Grand Canyon is available at Transportation Desks in lodge lobbies (hours may vary). Call 638-2631 ext.6015.

Maswik Lodge Transportation Desk open 7 a.m.- 6 p.m.

Bright Angel Transportation Desk open 6:30 a.m.- 6:30 p.m.

Visitor Center Transportation/Hospitality Desk open 8 a.m.-11 a.m. and 12:30 p.m.- 5 p.m.

Yavapai Lodge Transportation Desk open 8 a.m.- 5 p.m.

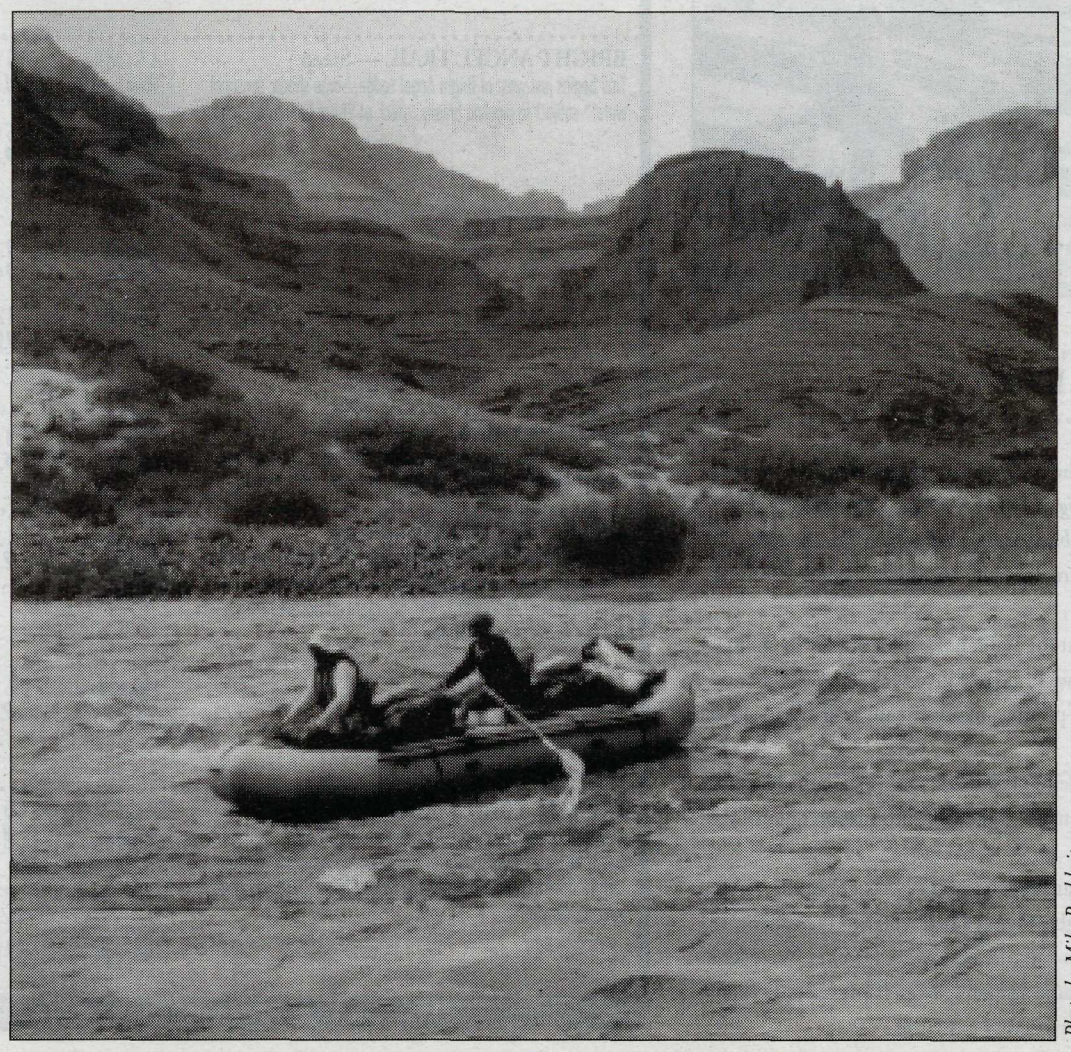
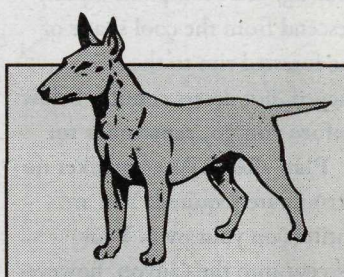


Photo by Mike Buchheit

MOUNTAIN STANDARD TIME

Arizona does not use Daylight Savings Time.



PETS MUST BE LEASHED AT ALL TIMES.

Leashed pets are allowed on rim trails throughout the developed areas in the park but ***not below the rim.*** The only exception is service animals. Persons wishing to take a service animal below the rim must check in first at the Ranger Office (at the corner of Center Road and Village Loop Drive.) Kennels are available 7:30 a.m. - 5:00 p.m.

Additional Out-of-Park Services

South Rim

The following facilities are located in Tusayan, just outside the park's south entrance on U.S. Highway 64 South. Additional services are also available. Consult the local telephone directory for further information.

Food

Babbitt's General Store 638-2854
Canyon Food Mart 638-2608
Denny's 638-2150
McDonalds 638-2208
Moqui Restaurant 638-2424
Pizza Hut 638-4629
Squire Inn Restaurant 638-2681
Taco Bell 638-8226
Tusayan Steak House 638-2780
Quality Inn 638-2673
We Cook Pizza, Etc 638-2278
Wendy's 638-6484

Fuel

Moqui Service Station 638-2730

DAY HIKING

You can clearly see hiking trails winding down from many Grand Canyon viewpoints. Dangerously alluring, these footpaths rapidly descend from the cool shade of the forested rim to the steep, rugged, hot desert country below. **Before you go, remember to:**

Plan ahead. As a dayhiker no permits are required. You are *entirely on your own. Your* descent into the canyon, however brief, marks your entry into a world in which preparation, self-reliance, and common sense are crucial.

Go prepared. Water and snacks should be taken on any hike lasting longer than 30 minutes. It is the casual unprepared dayhiker, more often than the backpacker, who experiences extreme fatigue and dehydration on the trail.

The climate here is extremely dry year-round and temperatures in the canyon soar in the summer. The lower you go the hotter it gets. It is critical to replace electrolytes by **eating and drinking frequently** while hiking. To replace electrolytes, two quarts of electrolyte-replacement fluid (sports drink) is minimum and one gallon is recommended for every 8 hours of hot-weather hiking. Eat nutritious, high carbohydrates, snacks (grains, crackers, fruits, non-fat energy bars) every 20-30 minutes.

Carry rain gear and watch for lightning during sudden summer storms. Be prepared for snow during fall, winter and spring months.

Hike by your watch, allow 1/3 time going down and 2/3 for coming up. Avoid hiking during the hottest part of the day.

Hike intelligently. You are responsible for your own safety as well as that of everyone in your hiking party.



Mike Buchheit

Trouble on the Trail

Occasionally, true emergencies occur in the backcountry. ***Never abandon someone who is in trouble. Call for help, use your signal mirror, or send a message with another hiker. Almost all emergencies can be avoided with proper forethought.*** Many problems, when closely examined, are not truly critical and can be resolved by those involved.

If someone asks you to convey a request for assistance, try to obtain the following information: nature of problem, number of people involved, physical description of people involved, and the location. If possible, please remain available to answer additional questions.

Rangers are prepared to respond to problems of all kinds and will, if available, provide a necessary and appropriate level of assistance. Evaluate your situation rationally and thoroughly before requesting help.

Helicopter Evacuations are an ambulance service *only.* Evacuations are very expensive—costing $2000 or more per flight. Flying a helicopter in the canyon is risky, given the uneven terrain for landings and the odd wind currents. We take it so seriously that full leather boots, flame resistant gloves, flame resistant flightsuits, and crash helmets must be worn by every passenger.

Health Hazards

Emergency situations include the following:

Hypothermia is a life-threatening emergency where the body cannot keep itself warm, due to exhaustion and exposure to cold, wet, windy weather. **Symptoms:** uncontrolled shivering, poor muscle control, and careless attitude. **Treatment:** put on dry clothing, drink warm liquids, warm victim by body contact with another person, protect from wind, rain and cold.

Heat exhaustion is the result of dehydration due to intense sweating. Hikers can lose one to two liters of water per hour. Rangers at both Phantom Ranch and Indian Garden treat as many as 20 cases of heat exhaustion a day.

Symptoms: pale face, nausea, cool and moist skin, headache, and cramps. **Treatment:** drink water, eat high-energy foods, rest in the shade, cool the body.

Heat stroke is a life-threatening emergency where the body's heat regulating mechanisms become overwhelmed by a combination of internal heat production and environmental demands. Grand Canyon has two to three cases of heat stroke a year. **Symptoms:** flushed face, dry skin, weak and rapid pulse, high body temperature, poor judgement or inability to cope, unconsciousness. *Victim is in danger!* **Treatment:** find shade, cool victim with water, *send for help!*

Hyponatremia (water intoxication) is an illness that mimics the early symptoms of heat exhaustion. It is the result of low sodium in the blood which is caused by drinking too much water and losing body salt through sweating. **Symptoms:** nausea, vomiting, altered mental states, and frequent urination. **Treatment:** have the victim eat salty foods. *If mental alertness decreases, seek immediate help!*

Winter Hiking Chart

WARNING: Be prepared for snow and icy conditions. Hiking boots and detachable in-step crampons are recommended. Also, it is recommended that you do not attempt to hike from the rim to the river and back in one day. Note that there are no loop trails for dayhikes; you will be hiking on the same trail in both directions.

TRAIL (S)	DESTINATION	DISTANCE ROUND TRIP	APPROX. TIME ROUND TRIP	ELEVATION CHANGE	NOTES
RIM TRAILS Begin from any viewpoint in the village or along West Rim Drive. Rim Trails offer excellent walking for quiet views of the inner canyon and for visitors who desire an easy hike. See map on pages 6, 7 and 12 for details.	Along village rim	N/A	15 min. to 1½ hours	200 feet *60 m*	Paved. Best easy walk. Passes historic buildings.
	Along West Rim	N/A	15 min. to all day	200 feet *60 m*	Becomes unmarked dirt path west of Maricopa Point.
BRIGHT ANGEL TRAIL — Steep Trail begins just west of Bright Angel Lodge. Some shade, seasonal water* subject to pipeline breaks; check at Visitor Center for status.	1½-Mile Resthouse	3 mi. *4.8 km*	2½-4 hours	1140 feet *348 m*	Restrooms. *Water May-September.
	3-Mile Resthouse	6 mi. *9.6 km*	4-6 hours	1940 feet *591 m*	*Water May-September.
	Indian Garden	9.2 mi. *14.8 km*	6-9 hours	3060 feet *933 m*	Restrooms. Water.
	Plateau Point	12.2 mi. *19.6 km*	8-12 hours	3100 feet *945 m*	Water May-Sept. View of Colorado River 1½ mi. beyond Indian Garden
SOUTH KAIBAB TRAIL — Steep Trail begins near Yaki Point on East Rim Drive. Best views for a relatively short hike. Steep trail, no water, little shade.	Cedar Ridge	3 mi. *4.8 km*	2½-4 hours	940 feet *287 m*	Toilet. No Water.
GRANDVIEW TRAIL — Steep ***Unmaintained*** steep trail requires caution. Begins on canyon side of retaining wall at Grandview Point on East Rim Drive (12 miles east of Village). For experienced desert hikers. ***Hiking boots recommended.***	Coconino Saddle	1.5 mi. *2.4 km*	2 hours	1600 feet *488 m*	No Water. Use extra caution along some narrow sections.
	Horseshoe Mesa	6 mi. *9.6 km*	4-11 hours	2600 feet *793 m*	Toilet. No Water. Use extra caution along some narrow sections.
HERMIT TRAIL — Steep ***Unmaintained*** steep trail requires caution. Begins 500 feet south of Hermits Rest. Water from springs must be treated before drinking. For experienced desert hikers. ***Hiking boots recommended.***	Santa Maria Springs	5 mi. *8 km*	5-8 hours	1600 feet *488 m*	Treat Water.
	Dripping Springs	7 mi. *11 km*	6-9 hours	1350 feet *412 m*	Treat Water. Use extra caution along narrow sections.

YOU ARE RESPONSIBLE FOR YOUR OWN SAFETY



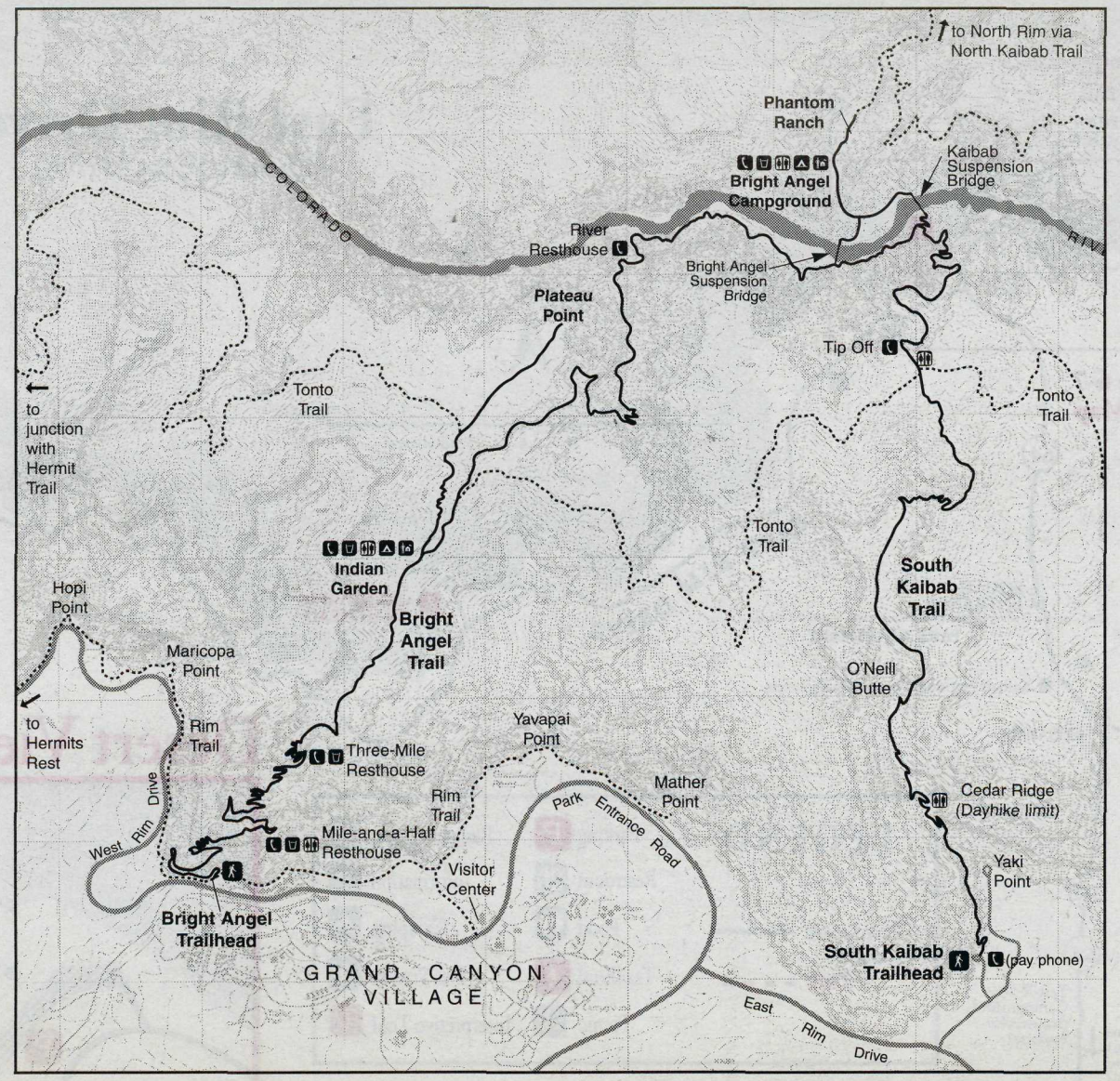
USE CAUTION NEAR THE EDGE

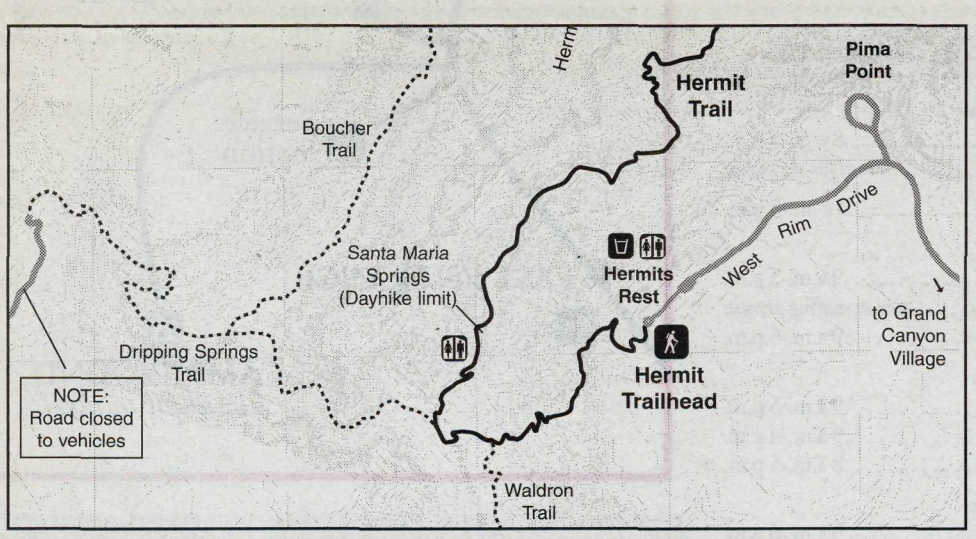
A young woman falls to her death when the ground beneath her gives way at a canyon viewpoint. A man dies after he falls while rock hopping outside the guardrails at Mather Point. A man dies after he falls while trying to get to a rock outcrop for a photograph.

These tragedies are real. In 1993 ten people fell to their deaths in Grand Canyon. What was to be a memorable vacation became a nightmare for the friends and loved ones of the victims.

Such accidents are avoidable. Use caution anytime you are at the rim. Don't go beyond guardrails. Be aware of your footing and the condition of the ground surface you are standing on when you are outside developed areas.

Remember there are many beautiful views of the canyon that you can enjoy without putting yourself at risk. Have the memorable trip you planned for and enjoy the canyon safely.

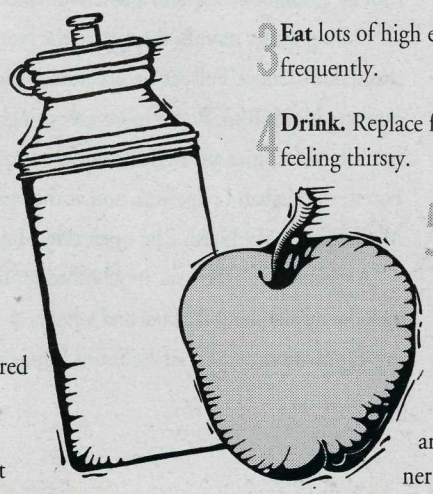




WINTER HIKING TIPS

1 **Plan** your trip to allow 1/3 the time to hike down and 2/3 the time to hike up. Avoid unmaintained trails. Check Visitor Center and Backcounty Office for latest trail and weather conditions.

2 **Go Prepared** Take layered clothing for protection against cold, wet weather. Always be prepared for wet (rain or snow) conditions.

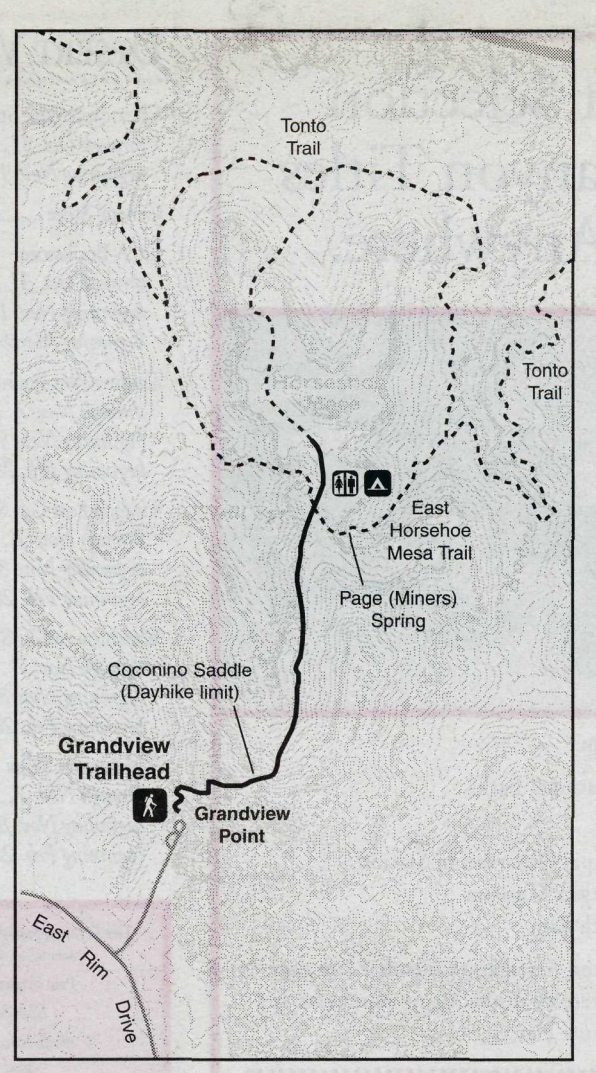


3 **Eat** lots of high energy and salty foods frequently.

4 **Drink.** Replace fluids and electrolytes before feeling thirsty.

5 **Avoid exposure.** Keep yourself warm and dry in winter's wet weather. Stay cool while hiking uphill.

6 **Go Slow.** Avoid huffing and puffing. Be able to walk and talk with your hiking partner. Plan to take frequent breaks.



Hike Smart
Avoid Becoming a Statistic!



Danger—Ice on Trails!
During the winter months there may be ice on the trails. Use in-step crampons on your hiking boots.

Camping Below the Rim

PERMIT & FEES REQUIRED

Overnight backpacking in the Grand Canyon provides a degree of solitude, wildness, and silence that is increasingly difficult to find. In the 1970s, overcrowding and environmental degradation made it necessary to institute a set of rules and regulations to which all backpackers are subject.

A backcountry permit is required for all overnight backpacking. The majority of available permits are reserved up to four months in advance.

A fee of $20 per permit and $4 per person per night is charged. The permit process allows the National Park Service to control the number of people in one place at one time, thereby limiting resource impact and impact from human waste and litter. The program allows backpackers to enjoy a greater degree of solitude in experiencing the wilderness of Grand Canyon.

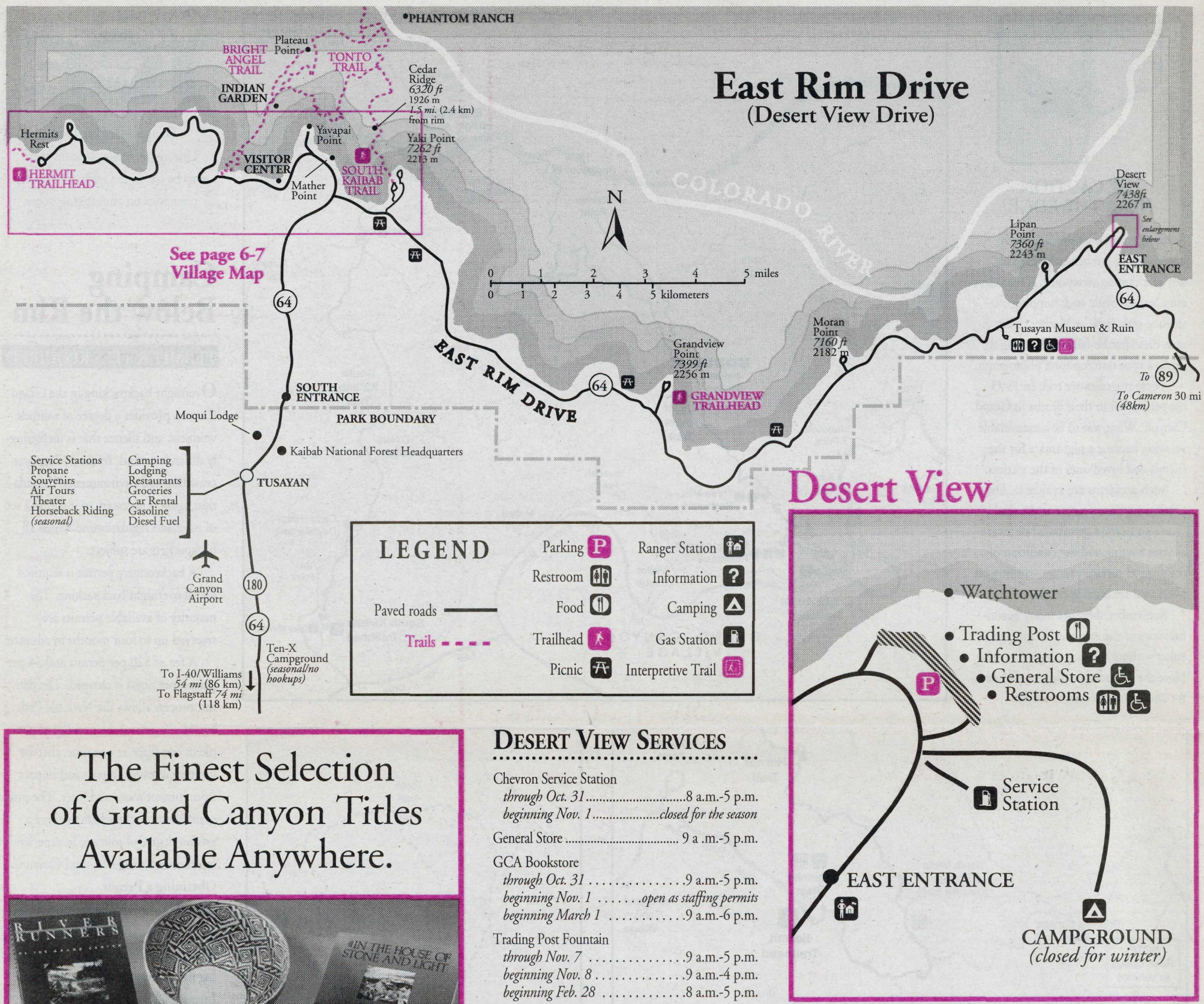
Obtaining a Permit

Individuals arriving in the park without a permit may be able to obtain one by participating in a day by day waiting list process for last minute space. Interested hikers should inquire at the Backcountry Office (located in the Maswik Transportation Center) which is open 8 a.m.-noon and 1 p.m.-5 p.m.

Guests of Phantom Ranch Lodge who have advance reservations do not need backcountry permits.

For more backpacking information, request a BACKCOUNTRY TRIP PLANNER by contacting the Backcountry Office or calling the park information line at:

Backcountry Office
Phone: 520-638-7875 ***answered between 1 p.m. - 5 p.m. daily***
Post Office Box 129
Grand Canyon, AZ 86023
Park Info. Line: 520-638-7888



Desert View

Desert View Services

Chevron Service Station
- *through Oct. 31* ..... 8 a.m.-5 p.m.
- *beginning Nov. 1* ..... *closed for the season*

General Store ..... 9 a .m.-5 p.m.

GCA Bookstore
- *through Oct. 31* ..... 9 a.m.-5 p.m.
- *beginning Nov. 1* ..... *open as staffing permits*
- *beginning March 1* ..... 9 a.m.-6 p.m.

Trading Post Fountain
- *through Nov. 7* ..... 9 a.m.-5 p.m.
- *beginning Nov. 8* ..... 9 a.m.-4 p.m.
- *beginning Feb. 28* ..... 8 a.m.-5 p.m.

Trading Post Gift Shop
- *through Nov. 7* ..... 9 a.m.-6 p.m.
- *beginning Nov. 8.* ..... 9 a.m.-5 p.m.
- *beginning Feb. 28* ..... 8 a.m.-6 p.m.

Watchtower Gift Shop
- *through Nov. 7* ..... 9 a.m.-6 p.m.
- *beginning Nov. 8.* ..... 9 a.m.-5 p.m.
- *beginning Feb. 28* ..... 8 a.m.-6 p.m.

Watchtower Stairs
- *through Nov. 7.* ..... 9 a.m.-5:30 p.m.
- *beginning Nov. 8* ..... 9 a.m.-4:30 p.m.
- *beginning Feb. 28.* ..... 8 a.m.-5:30 p.m.

North Rim

The average distance across the Grand Canyon "as the raven flies" is ten miles. However, getting from the South Rim to the North Rim by automobile requires a five hour drive of 215 miles.

During winter months the road to the North Rim entrance is closed due to snow. Full-service accommodations are available at the canyon's North Rim. Reservations are strongly recommended. Additional facilities are available in the surrounding Kaibab National Forest, the Kaibab Lodge area, and at the nearby town of Jacob Lake. All facilities on the North Rim **open mid-May.**

A separate **GUIDE** issue is published for the North Rim, and includes details about facilities and services as well as program and hiking information. Inquire at the South Rim Visitor Center.

The Finest Selection of Grand Canyon Titles Available Anywhere.



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Proceeds benefit Grand Canyon National Park.

BOOKSTORE LOCATIONS:
- •Visitor Center
- •Kolb Studio
- •Desert View Info. Center
- •Yavapai Observation Station
- •Tusayan Museum
- •North Rim

Ask about becoming a Grand Canyon Association member *(see page 4 for more information)*. Members receive discounts on purchases and selected Grand Canyon Field Institute classes.

Mail order service available. Inquire at stores or write for information:
Grand Canyon Association, P.O. Box 399, Grand Canyon, AZ 86023
Phone: (520) 638-2481 Fax: (520) 638-2484
Internet: www.grandcanyon.org

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Pam Frazier, *COO/Publications Manager*
Ellen Seeley, *NPS Writer/Editor*
Faith Marcovecchio, *Editorial Assistant*
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