



The Guide

South Rim: May 25–September 1, 2008
Also available in Deutsch, Español,
Français, Italiano, 日本語, 中文



NPS photo by Michael Quinn

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Grand Canyon Village Map on pages 10-11

Welcome to Grand Canyon National Park

Grand Canyon is a land of superlatives—endless awe-inspiring views, a shadow-filled canyon punctuated with countless spires, rock layers that reveal Earth’s history over an unimaginable span of time. The long, warm days of summer provide many opportunities to experience the wonders of Grand Canyon National Park.

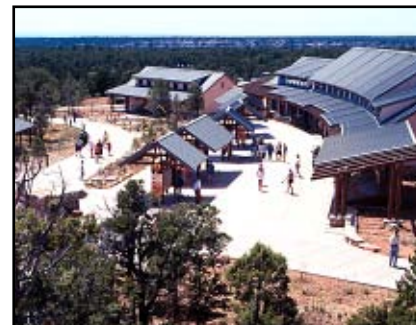
A few suggestions may make your visit more rewarding. The information in this publication will answer many of your questions about the South Rim. Stop by the Visitor Center at Canyon View Information Center and talk with a ranger. Plan your schedule so you can participate in a ranger-led activity. The new displays at Yavapai Observation Station explain the geologic story of the canyon. Park your vehicle and ride the free shuttles. Not only do you save gas, but also the shuttle drivers never get lost. Watch a sunrise or sunset. Walk out at night to enjoy the star-filled sky or the moon-lit canyon. Pause at a viewpoint and listen to other visitors exclaiming about the canyon in many languages.

Today’s Grand Canyon is a gift from past generations. We bear the responsibility to ensure that future generations have the opportunity to form their own connections to Grand Canyon National Park.

Where’s the Visitor Center?

The Visitor Center is just south of Mather Point, but you cannot drive to the Visitor Center. Canyon View Information Plaza, including the new Visitor Center, was designed as the terminus for a mass-transit system that is not yet in operation. To get to the Visitor Center:

- **Park Your Vehicle**
Parking lots are shown on the map on pages 10–11.
- **Ride the Free Shuttle Buses**
Shuttle bus routes are shown on the map on pages 10–11.
or
- **Park at Mather Point**
Walk the 300 yards (275 meters) to the Visitor Center. Accessibility shuttle available.



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What Time Is It?

Most of Arizona, including Grand Canyon National Park, remains on Mountain Standard Time year-round. During the summer, Arizona is on the same time as California and Nevada and is one hour earlier than the Navajo Reservation, Colorado, New Mexico, and Utah.

Emergency • 911

24 hours-a-day dial 911 from any phone, 9-911 from hotel phones.

Ride the Free Shuttle Buses



To make your stay at Grand Canyon National Park less hectic and to reduce traffic congestion, use the free shuttle buses. The shuttles operate from before sunrise to after sunset, come by frequently, and the drivers never get lost. Read the article on page 7 and the maps on pages 10–11 and 20 for more details.

Thinking about hiking?










Successful hikers:

- Read and follow the suggestions and regulations on pages 16–17.
- Plan their hike before they start and go prepared.
- Hike during the cooler, shadier times of the day.
- Go slowly, rest often, and stay cool.
- Eat salty foods and drink water or sports drinks.

Ranger Programs

















The National Park Service invites you to enjoy the free programs below. We hope that learning about Grand Canyon and its resources will lead to a greater

Grand Canyon Village

Activity	Location	Time	Duration	Frequency
Cedar Ridge Hike 				
Last hike is given Aug. 20.				
With a ranger, descend 1,140 feet (347m) below the rim on the unpaved South Kaibab Trail to Cedar Ridge. This strenuous 3-mile (5 km) round-trip hike is not recommended for people with heart or respiratory problems or difficulty walking. Sturdy footwear and 1-2 quarts (1-2 liters) of water per person are required. Hat, sunscreen, and snacks strongly recommended. Hikers cannot drive to the trailhead. Ride the free Village Route shuttle bus to Canyon View Information Plaza and cross the plaza to the Kaibab Trail Route shuttle stop by 6:40 a.m. Allow 45 minutes for total travel time.	South Kaibab Trailhead	7:00 a.m.	3–4 hours	Daily
Condor Talk: Wings over the Canyon  				
What highly endangered bird with a 9-foot wingspan can you frequently see at Grand Canyon? The California condor! Learn about these majestic birds and their reintroduction in northern Arizona in a talk on the canyon's rim. Parking is limited; consider parking at Lots C or D or riding the free Village Route shuttle bus to the Bright Angel Lodge stop.	In front of Lookout Studio near the Bright Angel Lodge	8:00 a.m. 3:30 p.m.	30–45 min. 30–45 min.	Daily Daily
Nature Walk  				
Learn more about the complexity and diversity of nature with a short hike along the rim. Topics vary and may include animals and plants adapting to changing seasons, human impact on nature, how nature inspires writers and poets, rare and endangered species, or Native Americans use of plants and animals. Parking may be limited; plan to arrive by the free Village Route shuttle bus to the Yavapai Observation Station stop.	Bicycle rack at Yavapai Observation Station	8:30 a.m.	45–60 min.	Daily
Fossil Walk: Remnant Impressions  				
Walk among brachiopods, sponges, and other marine creatures that thrived on this part of the continent 270 million years ago, before the age of the dinosaurs. This easy 1/2-mile (0.8 km) one-way walk explores an exposed fossil bed along the rim. Parking may be limited; consider parking in Lots C, D, or E or riding the free Village Route shuttle to the Bright Angel Lodge stop.	Patio on the rim side of Bright Angel Lodge	9:00 a.m. 4:30 p.m.	1 hour 1 hour	Daily Daily
Colorado River Talk   				
Enjoy the grandeur and power of the Colorado River as you explore and discuss the river's role in Grand Canyon. Program may include a short walk on a paved path. Parking may be limited; plan to arrive by the Village Route shuttle bus to the Yavapai Observation Station stop.	Bicycle rack outside Yavapai Observation Station	9:30 a.m.	30–45 min.	Daily
Introduction to Grand Canyon's Geology  				
Why is the Grand Canyon so deep, wide, and grand? Why does it exist only here in the world? Come and participate in this fascinating talk to learn how Grand Canyon was formed. Plan sufficient time to arrive at the Visitor Center by the free Village Route shuttle bus.	Visitor Center at Canyon View Information Plaza	10:00 a.m.	30–45 min.	Daily
A Geo-Glimpse  				
Enjoy the geology exhibits at Yavapai Observation Station and explore a selected aspect of the canyon's geology during these short talks.	Bicycle rack at Yavapai Observation Station	11:30 a.m. 12:30 p.m. 2:30 p.m. 3:30 p.m.	20 min. 20 min. 20 min. 20 min.	Daily Daily Daily Daily
Geology Walk: Read the Rocks  				
There is only one Grand Canyon. How did it come to be? Walk with a ranger along the rim and learn how to read the Earth's history in the rocks of the canyon. This program may involve a leisurely 1-mile (1.6 km) walk on a paved trail. Parking is extremely limited; plan to arrive by the free Village Route shuttle bus to the Yavapai Observation Station stop.	Shuttle bus stop at Yavapai Observation Station	1:30 p.m.	1 hour	Daily
Ranger's Choice  				
Explore the world of Grand Canyon during this in-depth special program. Topics change daily; check at the Visitor Center for the day's subject. Possible programs include nature walks, Native American culture, or pioneer history. Plan sufficient time to arrive at the Visitor Center by the free Village Route shuttle bus.	Visitor Center at Canyon View Information Plaza	1:30 p.m. 4:30 p.m.	30 min. 30 min.	Daily Daily

appreciation of your national park. Several of these programs require riding the free shuttle bus to get to the meeting location. Plan sufficient time to arrive before the start of the program. An explanation of Ranger Program symbols is listed on page 4.

Grand Canyon Village, continued

Activity	Location	Time	Duration	Frequency
The Human Story   				
For thousands of years, humans have been part of Grand Canyon. Join park staff outside of Kolb Studio to look at the history of the South Rim area. Programs may include tours of Kolb Studio or walks around the village historic district. Parking is limited; consider parking at Lots C or D or riding the free Village Route shuttle bus to the Bright Angel Lodge stop.	Outside of Kolb Studio	2:30 p.m.	45–60 min.	Daily
Evening Program   				
The perfect way to end your day at the Grand Canyon! Relax beneath the stars and enjoy a ranger presentation on a significant aspect of the canyon's fascinating natural or cultural history. For this evening's topic check the schedules posted around the park. Dress warmly and bring a flashlight for this outdoor presentation. Accessibility note: Although the trails to the amphitheater are paved, short sections exceed 5% grade.	Mather Amphitheater, behind Park Headquarters off the Rim Trail from parking Lot A	8:30 p.m.	1 hour	Daily
Family Fun				
The following programs are designed especially for families. Please remember that children must bring an adult with them to all programs. You can read more about the Junior Ranger program on page 7.				
Junior Ranger Discovery Pack Program   This program begins June 8.				
Explore the ecological wonders of Grand Canyon with your family and discover the diversity of plants and animals that live here. Learn to use binoculars, field guides, and other tools of a naturalist. This program is designed for families with children ages 9-14. Participants earn a Discovery Pack certificate and are eligible to purchase a Discovery Pack Junior Ranger patch. Parents sign out the Discovery Packs with a driver's license and must return them to Park Headquarters no later than 4:00 p.m. the same day. Ride the free Village Route shuttle bus to the Shrine of Ages stop or park in Parking Lot A. This program begins June 8.	Park Headquarters by Parking Lot A	9:00 a.m.	1 1/2 hours You will have until 4:00 p.m. to explore on your own with the Discovery Pack	Daily
Junior Ranger Adventure Hike   This program offered June 8–August 16.				
Experience Grand Canyon below the rim. Join a ranger on the challenging South Kaibab Trail to enjoy Grand Canyon's wonders. Topics may include Grand Canyon's amazing rocks, fossils, plants, or animals. This 1.8-mile (2.9-km) round-trip hike is strenuous, so bring your water bottles and sunscreen and wear good hiking shoes! This is a great hike for families with kids ages 9-14. Participants are eligible to purchase a Junior Ranger Adventure Hike patch. To arrive on time for this program, take the free Kaibab Trail shuttle bus by 7:30 a.m. Offered June 8 through August 16.	South Kaibab Trailhead	8:00 a.m.	3 hours	Mon. Wed. Fri. Sun.
Kids Rock!   This program offered June 8–August 16.				
Join a ranger for fun activities exploring the wonders of the natural world at Grand Canyon. Rangers lead children ages 7-11 through games and activities to for a fun educational experience. Possible themes include fire ecology, water, insects, bats, and much more! This program offered June 8 through August 16.	Shrine of the Ages, west end of Parking Lot A	10:00 a.m.	1 hour	Daily
Story Time Adventures   This program begins June 8.				
Hear a ranger read fun children's books about Grand Canyon. Props and interactive games bring the stories to life. This program is for families with children ages 2-6. Children will receive a condor tattoo or sticker. This program begins June 8.	Porch on the rim side of El Tovar Hotel	1:30 p.m.	30 min.	Daily
Way Cool Stuff for Kids   This program begins June 8.				
Join a ranger for interactive games and fun activities designed to introduce children ages 7-11 to the way cool environment of Grand Canyon. Themes—including animal adaptations, predator-prey relationships, invasive species, and more—promote an appreciation of the outdoors and our national parks. This program begins June 8.	Shrine of the Ages, west end of Parking Lot A	4:00 p.m.	1 hour	Daily
Additional Family Programs				
As staffing permits, rangers will offer additional junior ranger programs for families, which may include night hikes and full moon walks. Look for signs in the village area or at the Visitor Center to confirm times and availability.				

Programs continue on the next page.

Ranger Programs continued

Special Programs—Grand Canyon Village

Activity	Location	Time	Duration	Frequency
Full Moon Walks and Star Talks ⚡				
See page 6 for moon phase dates and sunset times.				
During nights around the full moon and new moon, rangers will offer moon walks and star talks at the Mather Point overlook. Check bulletin boards at the visitor centers and campgrounds to see if rangers have these events scheduled.	Mather Point	10 p.m. through Aug. 8 9:30 p.m. beginning Aug. 9	1 hour	3 days around the new and full moon
Special Programs				
Additional activities including a variety of walks and talks are scheduled when staffing allows. Watch for program announcements posted at the Visitor Center at Canyon View Information Plaza, along the rim near El Tovar Hotel or the Bright Angel Lodge patio, or at Yavapai Observation Station.				
Desert View and Tusayan Museum				
Glimpses of the Past ♿ ⚡				
Have you ever wondered how 800 years ago people found food, water, and shelter? Can you envision a thriving community in this harsh and demanding environment? Join a ranger to explore the remains of an ancestral Puebloan village. This entails a journey on a 0.1-mile (0.2-km) flat, paved trail.	Tusayan Museum, 3 miles (4.8 km) west of Desert View	11:00 a.m. 3:30 p.m.	30 min. 30 min.	Daily Daily
Cultural Connections ♿ ⚡				
The story of human experience at the Grand Canyon spans the last 12,000 years. Bring your imagination and explore stories of people, past and present.	Tusayan Museum, 3 miles (4.8 km) west of Desert View	2:00 p.m.	20 min.	Daily
The Spirit of Sunset ⚡				
See page 6 for sunset times.				
Tranquility . . . inspiration . . . spectacular colors . . . and the natural sounds of the canyon. Leave the crowds behind and end your day at Desert View. Each ranger's passion for one of the canyon's unique facets is presented during this program. Wear weather appropriate clothing. See page 6 for sunset times.	Desert View Point near the Watchtower	1 hour before sunset (see page 6 for sunset times)	45 min.	Daily
Additional Programs				
Additional programs may be announced at Tusayan Museum as staffing permits.				
Inside the Canyon You must hike or ride the mules to reach these locations.				
Indian Garden ⚡				
Park rangers present evening programs at the amphitheater just south of the Indian Garden Campground. Check the bulletin board in the campground for times and topics. Rangers also post information on additional programs as scheduling permits. Programs begin June 12.	Indian Garden	As posted	Varies	Thurs. through Sund.
Phantom Ranch ⚡				
Programs are given daily at Phantom Ranch, reachable only by hiking or riding the mules to the bottom of the canyon. Talks cover a wide range of natural and cultural history topics. Upon arrival, check the Bright Angel Campground bulletin board or the Phantom Ranch Canteen for program locations and subjects.	Phantom Ranch	4:00 p.m. 7:30 p.m.	45 min. 45 min.	Daily Daily

Note: Children must be accompanied by an adult on all programs.



All outdoor programs are subject to cancellation due to inclement weather or when lightning danger is present.



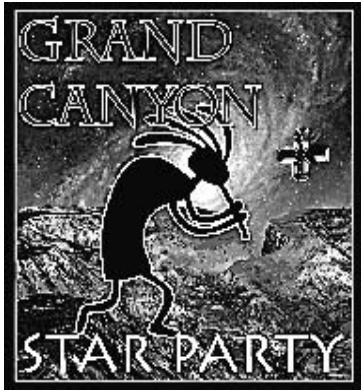
These programs are wheelchair accessible with assistance. Wheelchairs are available for loan at the Visitor Center at Canyon View Information Plaza. For programs meeting at the Visitor Center, handicap access is by wheelchair or accessibility shuttle from Mather Point parking lot.



These family-oriented programs are ideal for meeting the ranger program requirement for the Grand Canyon's Junior Ranger award. However, any ranger program may serve the requirement on page 2 of the Junior Ranger Activity Booklet. All children must be supervised and accompanied by an adult on all programs.

Special Programs

South Rim Star Party: June 21–28



Explore the night sky at Yavapai Point with Tucson Amateur Astronomy Association volunteers. Enjoy a slide presentation, then view the night sky through their telescopes. Dress warmly. A flashlight and lawn chair are recommended. Meet at Yavapai Observation Station at 8:00 p.m. for the slide show. Telescope viewing continues into the night. Due to the telescopes, parking is extremely limited. Please arrive by Village Route shuttle bus. Shuttles run until 11:00 p.m.

Digital Photography Workshops: July 8–23

The National Park Service hosts Canon and American Park Network in presenting free digital photography workshops. Join a photo walk with seasoned professionals who share their experience taking landscape and wildlife photographs using the latest digital technology.

Weekday programs are led by photographic team Rob and Ann Simpson. Rob, a former park ranger, is a professor of Natural Resources and Field Biology and directs the Nature and Outdoor Photography Curriculum at Lord Fairfax College, Virginia. Ann is a professor of Anatomy and Physiology and teaches Biology, Microbiology, and Photography. The Simpsons apply their classroom and educational experience to the field and have the gift to explain complex concepts in simple, easy-to-understand language.

Weekend photo walks are led by a Canon Explorer of Light member. Canon's *Explorer of Light* program is comprised of a group of the most celebrated, internationally-known photographers ever assembled. By attending a weekend photo walk, you will not only learn to improve your photo composition skills, but also be inspired by the photo professionals who conduct each photo walk.

No cameras are necessary. Canon will provide digital single lens reflex bodies and lenses for all participants. Please arrive approximately 15–30 minutes before the class begins. All participants will receive a CD and prints of the images they have taken.

Photo Walks

When: July 8–23, 8:30 a.m. and 12:00 noon daily, except Tuesdays.
Where: Meet in the plaza area at Canyon View Information Plaza.
Duration: 1–2 hours.
 The programs continue in the evenings with a slide show.

Evening Slide Show

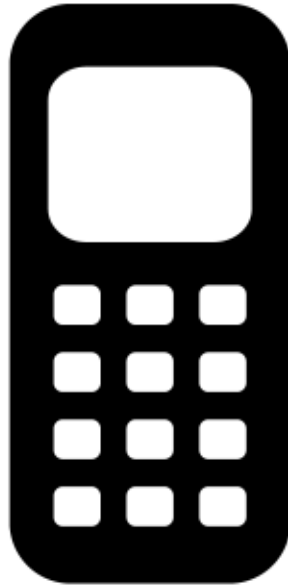
When: July 8–23, 6:00 p.m. daily, except Tuesdays.
Where: Shrine of the Ages auditorium (parking lot A next to Park Headquarters)
Duration: 45 minutes



Canon



Cell Phone Tour



Your cell phone provides another way to learn more about Grand Canyon National Park. At numerous points of interest on the South Rim between Maricopa Point on the west and Yaki Point on the east, you can listen to a narration over your cell phone.

Wherever you see one of the cell phone tour signs, dial (928) 225-2907 and enter the indicated stop number. You will hear an interpretive ranger give a two-minute synopsis on various aspects of the canyon from geology to Native American history to the night sky.

There is no additional charge to listen to these messages. Please be aware that cell phone coverage can be spotty and not all providers offer service in the park.

25 Years of Music at the Canyon

Grand Canyon Music Festival presents its Silver Anniversary 25th season September 5–21 with weekend and mid-week concerts at the Shrine of the Ages. The Festival also presents the eighth season of its *Native American Composer Apprentice Project* (NACAP), with music education programs at Navajo and Hopi Reservation schools, and the second season of School of Rock for students at Grand Canyon Unified Schools.



Music ensemble Ethel

September 5 and 6: Ethel incorporates rock, blues, classical, jazz and other popular genres to create a sound that defies categorization.

September 12 and 13: Joel Fan will be joined by the Enso String Quartet.

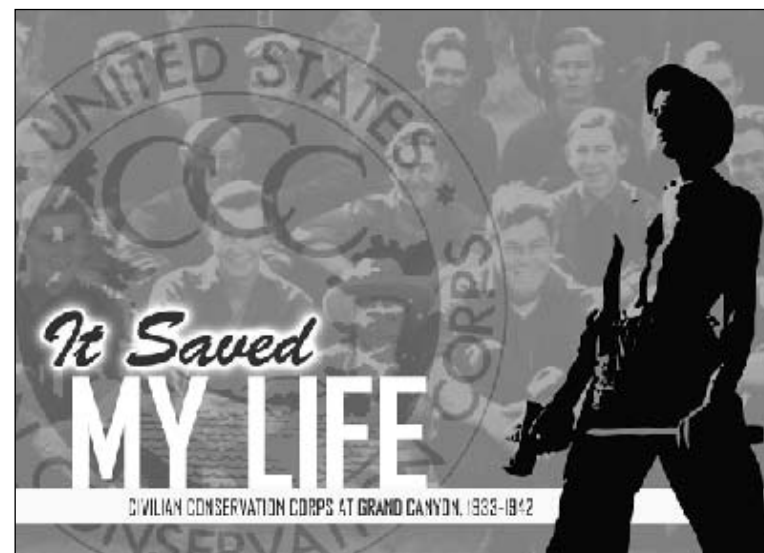
September 14: Ethel returns to present NACAP student work at Grand Canyon Unified School.

September 17 and 21: The Bonfiglio Group (Robert Bonfiglio, Joe Deninzon, and Chris Milletari) perform new works drawing on jazz, rock, blues, folk, and classical music.

September 19 and 20: Soprano Amy Burton makes her Grand Canyon debut in two works by John Corigliano. Violinist Maria Bachmann and pianists Kamal Khan and Jon Klibonoff round out the program, performing more works by John Corigliano.

For programming notes and ticketing information, please visit the music festival's website at www.grandcanyonmusicfest.org or call (800) 997-8285.

Historic Kolb Studio Art Exhibits



It Saved My Life: The CCC at Grand Canyon Opening May 31

Seventy-five years ago at FDR's urging Congress created the Civilian Conservation Corps. It was to become one of the most popular and successful of his New Deal programs. Thousands of young men came to the Grand Canyon to build trails and infrastructure for the benefit of visitors, and to work on conservation projects for the benefit of the land. This exhibit celebrates these boys and their work, much of which is still enjoyed by visitors today.

Enjoying Grand Canyon

Information Centers



Kolb Studio

Once the home and business of the Kolb brothers, pioneering photographers at Grand Canyon, this building has been restored. Visit the free CCC exhibit in the auditorium (described on page 5) and shop in the bookstore. Kolb Studio is located in the Village Historic District at the Bright Angel Trailhead. Open daily 8:00 a.m. to 7:00 p.m.



Canyon View Information Plaza

Visit the visitor center and Books & More bookstore at Canyon View Information Plaza. Accessible only by free shuttle bus, a one-mile walk or bicycle ride from Market Plaza on the Greenway Trail, or a short walk from Mather Point. Open 8:00 a.m. to 6:00 p.m. Bookstore open daily 8:00 a.m. to 8:00 p.m. Outdoor exhibits may be viewed anytime. See pages 2-4 for ranger programs starting here.



Yavapai Observation Station

Yavapai Observation Station, one mile (1.6 km) east of Market Plaza, is perched on the rim and offers exceptional views of the canyon. New displays explain the geology and formation of the canyon. The bookstore features many geology oriented titles, in addition to other popular publications. Open daily 8:00 a.m. to 8:00 p.m. See pages 2-4 for ranger programs starting here.



Tusayan Museum

A visit to Tusayan Ruin and Museum provides a look into the lives past and present communities as illustrated by pottery, seashell bracelets, corncocks, and arrowheads. See original split-twig figurines 2,000-4,000 years old. Art from today's tribes provides a glimpse into their rich cultures. The museum, open daily 9:00 a.m.-5:00 p.m., is located three miles west of Desert View. Free admission.



Desert View Bookstore/ Park Information

The Desert View Bookstore, located at Desert View Point near the park's east entrance, offers a Passport Stamp cancellation station, an excellent selection of publications, and memorabilia. Open daily 9:00 a.m. to 5:00 p.m.

Grand Canyon Audio Ranger

Your Personal Tour Guide to the South Rim

The Grand Canyon Audio Ranger, your personal tour guide to the South Rim, is now available in the park on reloadable MP3 flash-drive players. The park's geology, human history, wildlife and natural history come alive in the 90 minutes of narration, music, and comments from National Park Service rangers and historical figures, making for an enjoyable walk in the park. You can listen to the stops in order, or pick your favorites and play only those. Stop in at any of the GCA bookstores/information centers listed above to find out more about the Grand Canyon Audio Ranger.



Bookstores



GRAND CANYON ASSOCIATION

Enriching Experience through Knowledge

When you shop at Grand Canyon Association (GCA) bookstores/information centers (see above for locations), your purchase supports Grand Canyon National Park. GCA is a nonprofit organization created in 1932 to cultivate knowledge, discovery and stewardship for the benefit of the park and its visitors. Since its inception, GCA has provided more than \$28.5 million in financial support to the park.

When visiting our bookstores/information centers, ask about becoming a GCA member to receive discounts in our stores and at bookstores in other national parks.

Member discounts are also available for most classes offered by the Grand Canyon Field Institute, GCA's outdoor education program. For more information about GCFI, visit www.grandcanyon.org/fieldinstitute.

You may also visit our bookstore online at www.grandcanyon.org, or call us toll-free (800) 858-2808, ext. 7030.

Use Caution near the Edge

Rock hopping outside the guard rails at Mather Point leads to a tragic fall. A man dies after he falls while trying to get to a rock outcrop for a photograph.

These tragedies are real. What was to be a memorable vacation, becomes a nightmare for the families and friends of the victims. Such accidents are avoidable. Use caution anytime you are at the rim. Do not go beyond barriers. Be aware of your footing and the condition of the ground surface you are standing on.

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



Avoid a Shocking Experience



Kolb Brothers photo

Lightning strikes are common on the South Rim of Grand Canyon and can be dangerous. During thunderstorms, stay away from exposed rim areas.

Hair standing on end is a sign that an electrical charge is building near you and a warning that lightning may strike. If this occurs, move away from the rim immediately!

The safest place during a storm is inside a vehicle with the windows closed or inside a building. Avoid touching anything metal. For further information, lightning awareness brochures are available at the Visitor Center.

Sunrise & Sunset

Date	Sunrise	Sunset
May 25	5:16 a.m.	7:36 p.m.
June 1	5:13 a.m.	7:40 p.m.
June 8	5:11 a.m.	7:44 p.m.
June 15	5:11 a.m.	7:47 p.m.
June 22	5:12 a.m.	7:49 p.m.
June 29	5:15 a.m.	7:49 p.m.
July 6	5:18 a.m.	7:49 p.m.
July 13	5:22 a.m.	7:46 p.m.
July 20	5:27 a.m.	7:42 p.m.
July 27	5:32 a.m.	7:37 p.m.
August 3	5:38 a.m.	7:31 p.m.
August 10	5:43 a.m.	7:24 p.m.
August 17	5:49 a.m.	7:15 p.m.
August 24	5:54 a.m.	7:06 p.m.
August 31	6:00 a.m.	6:57 p.m.

Moon Phases

New Moon	Full Moon	Moon Rises
June 3		
	June 18	8:18 p.m.
July 2		
	July 17	7:41 p.m.
August 1		
	August 16	7:17 p.m.
August 30		

All times are Mountain Standard Time.

Enjoying Grand Canyon

Personalize Your Grand Canyon Experience

Individual interests, available time, and the weather can all influence a visit. The following list of activities is provided to assist you in personalizing your Grand Canyon experience. To locate places mentioned below, refer to the maps on pages 10–11 and 20. An Accessibility Guide for visitors with limited mobility is also available at the Visitor Center at Canyon View Information Plaza and Park Headquarters.

Activity	Option
Attend Free Ranger Programs	<ul style="list-style-type: none"> Listed on pages 2–4 Junior Ranger program described below
Visit Scenic Hermit Road 3 miles one-way. Allow at least 1 hours roundtrip.	<ul style="list-style-type: none"> Ride the free shuttle from the Village Route Transfer Views of river at Hopi Point Closed to private vehicles Route ceases operation July 7
Visit Scenic Desert View Drive 25 miles one-way	<ul style="list-style-type: none"> Tour by private vehicle or commercial bus Views of river at Moran Point, Lipan Point, Desert View May exit the park to the east—Cameron and Highway 89
Visit an Information Center or a Museum	<ul style="list-style-type: none"> The park offers a variety of museums and visitor centers that house exhibits and provide park information See adjacent page for more information
Hiking	
Walk Part of the Rim Trail	<ul style="list-style-type: none"> See map pages 10–11; described on page 16 Trail may be accessed at many locations along rim
Day Hike into Grand Canyon	<ul style="list-style-type: none"> See pages 16–17 for information on trails and safety It will take twice as long to hike up as it does to hike down Do not attempt to hike to the river and back in one day
Overnight Backpacking	<ul style="list-style-type: none"> Permit and fees required (see page 17) Inquire at Backcountry Information Center (8:00 a.m.–noon and 1:00–5:00 p.m.)

The Canyon's Best Bargain—The Shuttle Bus System

For more than 30 years the National Park Service has provided a free shuttle bus system on the South Rim. Visitors and residents have made 75,000,000 boardings. Many of the buses use compressed or liquefied natural gas, a much cleaner burning fuel. Some of the buses have provisions for improved accessibility. Riding the shuttles makes your stay more enjoyable, while reducing pollution and decreasing traffic congestion.

How do I use the free shuttle buses?

The maps on pages 10–11 and 20 are the key. These maps shows routes, stops, operating times, and route lengths. Park your vehicle in one of the parking areas, proceed to the nearest bus stop, and board the next bus. It is that simple. The buses come by every 10–20 minutes. There are no tickets to obtain, and you are free to get on and off at any stop. The routes are designed so you can ride to a stop, enjoy the view, shop at a gift store, or walk along the rim and then hop on a later shuttle.

Where do the shuttles go?

There are three standard shuttle bus routes. They do not overlap, although they interconnect. Buses are identified with a colored square near the boarding door. See the map on pages 10–11 for more information on these three routes.

Hermits Rest Route (red) Construction on the Hermits Road affects this route for the summer of 2008. Until July 6, the shuttles wind west along the rim for three miles to Hopi Point, stopping at several other viewpoints along the way. Beginning July 7, the Hermits Rest Route will no longer run to allow completion of the paving project.

Village Route (blue) This loop connects the Visitor Center, lodging, restaurants, gift shops, and campgrounds. It may offer the best way to get to many ranger programs.

Kaibab Trail Route (green) These shuttles leave from Canyon View Information Center and go to the South Kaibab Trailhead and viewpoints along the rim.

Two new shuttle routes are offered on a trial basis this summer. The National Park Service hopes you will ride these free shuttles to more distant destinations, reducing your use of gasoline. More information on these new routes is on page 20.

Tusayan Route (purple) This route begins operation on June 2 and provides transportation between Canyon View Information Plaza and the gateway community of Tusayan, making four stops in Tusayan.

Desert View Route (brown) Ride this shuttle 25 miles between Canyon View Information Plaza and Desert View with stops along the way at Grand View Point, Moran Point, and Tusayan Museum. Operation of this route begins July 7.

See pages 10–11 and 20 for maps with routes, stops, and times.

Superintendent's Welcome

In January we celebrated the 100th anniversary of the designation of Grand Canyon National Monument by proclamation of President Theodore Roosevelt. The commemoration began a busy year for the park. Work progressed on both East and South Entrance Stations this spring. Repaving of the Hermit Road requires the closure of the road for much of the year. New shuttle buses allow for expansion of the free shuttle system.



This is also the 75th anniversary of the Civilian Conservation Corps. I encourage you to visit the displays at Kolb Studio telling about the men that served in the CCC and the projects they accomplished in the park.

Summer is always an exciting time to visit Grand Canyon. The long, warm days encourage exploration. Hike a trail, participate in a ranger activity, watch a sunrise or sunset, or experience the majesty of a thunderstorm. Sit on a sunny rock and listen to the wind, watch the soaring ravens and condors, and try to identify the languages of other visitors.

People have been enjoying Grand Canyon for more than 100 years. I ask for your support in preserving this incredible natural wonder for future generations.

Steve Martin - Superintendent

Let Wildlife Be Wild

What is one of the more common injuries that occurs to visitors? Bites from rock squirrels. The South Rim's abundant wildlife—mule deer, elk, Aberts squirrels, rock squirrels, and coyotes—provide some exciting memories. Remember, these are wild animals that should be respected at all times. For your own safety and the well-being of the wildlife:



- Keep your distance. Discourage animals from approaching you. Scare them away.
- Never feed them. Natural foods are still best. Once a wild animal is fed human food, it may become dependent on handouts. Animals will often ingest wrappers and plastic bags along with the food, eventually leading to their death.
- Protect yourself and family. Deer can be aggressive. Serious bites from squirrels happen all too often. Fleas on squirrels may carry bubonic plague. Enjoy the wildlife from a distance.

Would you like to be a Junior Ranger?

Grand Canyon National Park offers a free Junior Ranger program for children ages 4 and older.

To take part in the program, pick up a free Junior Ranger booklet at the Visitor Center at Canyon View Information Plaza, Yavapai Observation Station, or Tusayan Museum information desk and complete the activities listed for the appropriate age level.

Once completed (don't forget that attendance at one or more ranger programs is required) bring the booklet back to the Visitor Center at Canyon View Information Plaza or Tusayan Museum to receive an official Junior Ranger certificate and badge. A CCC Junior Ranger booklet is offered this summer only. A Junior Ranger program specifically for Phantom Ranch is also available.



Park Science

There's Only One Grand Canyon

Basic Answers to Your Geologic Questions

How old?

The rocks exposed within Grand Canyon range from the fairly young to the fairly old (geologically speaking). Kaibab limestone, the caprock on the rims of the canyon, formed 270 million years ago. The oldest rocks within the Inner Gorge at the bottom of Grand Canyon date to 1,840 million years ago. For comparison geologists currently set the age of Earth at 4,550 million years.

How new?

While the rocks are ancient, the canyon is young. Geologists generally agree that canyon carving occurred over the last 5–6 million years—a geologic blink of the eye.

Why here?

Beginning about 70 million years ago, heat and pressure generated by two colliding tectonic plates induced mountain building in western North America. An area known as the Colorado Plateau was raised more than 10,000 feet (3,000 m), but was spared most of the deformation and alteration associated with the uplifting of strata. This high plateau, so critical to Grand Canyon's story, is a geological puzzle that researchers still seek to understand.

Why deep?

Without the Colorado River, a perennial river in a desert environment, Grand Canyon would not exist. Water draining off the western slopes of the southern Rocky Mountains carried sand and gravel, cutting down through the layers of rock. Without the uplift of the Colorado Plateau, there would not have been the thousands of feet of topography to sculpt. From Yavapai Point on the South Rim to the Colorado River is a change of 4,600 feet (1,400 m), yet the river still flows 2,450 feet (750 m) above sea level.

Why wide?

The width results from the rock layers collapsing around the river and its tributaries combined with the “headward erosion” of these side streams. Softer, weaker layers erode faster, undermining the harder, stronger layers above them. Without adequate support, the cliffs collapse. The relentless river carries this eroded material to the Gulf of California. Much of what is now southeastern California and southwestern Arizona is covered with material eroded from Grand Canyon.

Over its 277 river miles (446 km), the jagged Grand Canyon varies in width. Along the South Rim, it ranges between 8 and 16 miles (13–26 km) depending upon where you choose to measure.

Why Grand?

Often described as Earth's greatest geological showcase, the ensemble of stunning dimensions—the melding of depth, width, and length—sets Grand Canyon apart. Nowhere else features such a dazzling variety of colorful rock layers, impressive buttes, and shadowed side canyons. Grand Canyon is the canyon against which all other canyons are compared.

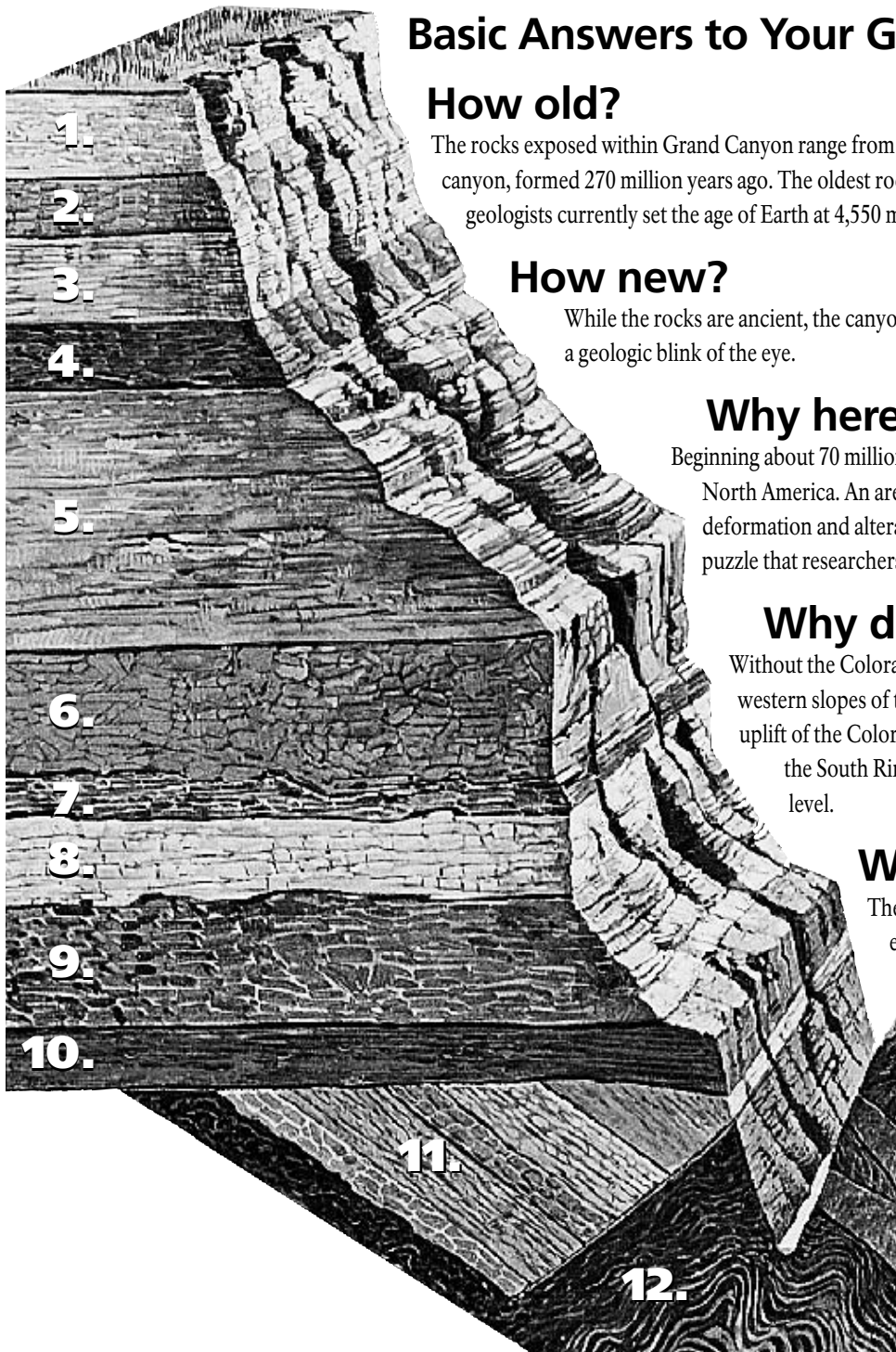


Illustration:

1. Kaibab Formation	270 million years
2. Toroweap Formation	273 million years
3. Coconino Sandstone	275 million years
4. Hermit Formation	280 million years
5. Supai Group	315–285 million years
6. Redwall Limestone	340 million years
7. Temple Butte Formation	385 million years
8. Muav Limestone	505 million years
9. Bright Angel Shale	515 million years
10. Tapeats Sandstone	525 million years
11. Grand Canyon Supergroup	1,200 million–740 million years
12. Vishnu basement rocks	1,840–1,680 million years

Want to know more?

The geologic story is rich in detail and mystery. Attending a free ranger program may move you from wonder to comprehension. Programs are described on pages 2–3.

Grand Canyon Association bookstores offer many geology related titles. Bookstore hours and locations are listed on page 3. To learn more about geology at Grand Canyon, take a look at:

- *Yardstick of Geologic Time*, Allyson Mathis
- *Introduction to Grand Canyon Geology*, Greer Price
- *Carving Grand Canyon*, Wayne Ranney
- *Grand Canyon: Solving Earth's Grandest Puzzle*, James Powell

Park News

We Can Take It . . . The 75th Anniversary of the Civilian Conservation Corps

In 1929 the United States began the longest and most severe economic depression of modern times. By the early 1930s, more than one in four people faced unemployment, thousands of businesses had failed, and tens of thousands had lost their savings, homes, or farms. Severe drought gripped much of the Midwest and West. "I had given up all hope," remembered one young man.

President Franklin Delano Roosevelt signed legislation on March 31, 1933, for what was to become his most popular New Deal program—the Civilian Conservation Corps (CCC). Unemployed young men needed work. The country needed substantial tree planting, erosion control, fire fighting, and construction of roads, trails, and other facilities. Just two years later, more than 500,000 young men worked in national forests, state parks, and national parks and monuments. "Save the soil, save the forest, save the young men" were the bywords of the day.

Grand Canyon's first CCC contingent, Company 819, arrived on May 29, 1933. Companies 818, 819, 847, 2543, 2833, 3318, and 4814 worked on both rims and at the bottom of the canyon until 1942. Each company of about 200 men constructed roads, fences, trails, resthouses, telephone lines, rock walls, buildings, picnic shelters, campgrounds, and bridges. Participants signed up for six months. The salary was \$30.00 per month, but \$25.00 was sent to the man's family. Many of the men learned a trade, while some completed their education. A sense of pride replaced hopelessness. The unofficial motto of the CCC became "We Can Take It." By the end of the program in 1942, more than three million men had worked in more than 4,500 locations in every state and territory.

As you visit Grand Canyon, take time to appreciate the lasting accomplishments of these brave men. CCC crews improved the Bright Angel Trail adding the resthouses. The transcanyon telephone line proved particularly challenging. The Rim Trail between Verkamp's Curios and Yavapai Point, the rock wall between El Tovar Hotel and Bright Angel Lodge, the log benches along the paths—all made by "The Three Cs."

Obtain the brochure *Civilian Conservation Corps: A Walking Tour* from distribution boxes along the rim, at the Visitor Center, or any Grand Canyon Association outlet. Use it as you explore the Grand Canyon Village area. Children 8–14 can earn a Junior Ranger badge by completing the special CCC booklet available at visitor centers and Kolb Studio.

We may use their structures for generations, but their courage in the face of hopelessness will inspire us even longer.

75th Anniversary Celebrations at Grand Canyon

The National Park Service and the Grand Canyon Association commemorate the Civilian Conservation Corps with an exhibit *It Saved My Life; the Civilian Conservation Corps at Grand Canyon, 1933–1942* at Kolb Studio, May 31 through October 19. Admission is free.

On May 30, 31, and June 1, the Grand Canyon Association and Grand Canyon National Park host a CCC Symposium. Learn more about the rich history of the Civilian Conservation Corps through history walks and presentations by scholars. Register online at www.nps.gov/grca/historyculture/ccc.htm



What's new? Your Entrance Fees at Work

You have contributed \$25.00 for the privilege of enjoying and preserving a spectacular portion of our national heritage. Your entrance fee supports many projects within the park.

Hermit Road Closure

The Santa Fe Railroad constructed Hermit Road as a wagon road in the early 1910s. The last improvements on the road took place in the 1930s. The size and number of vehicles using the road increased over the years. The narrow road and deteriorating asphalt demanded new construction. Repaving of the road and improvements to overlooks and the Rim Trail began in March. When construction crews finish the project in November, the road will be a constant, wider width, pullouts will be improved, the Rim Trail will be well defined, and a new portion of the multipurpose Greenway Trail will allow hikers, bicyclists, and visitors with wheelchairs to explore a portion of the rim away from the road.

Hermit Road is closed at Hopi Point, due to this construction. Shuttle buses and hikers are not permitted west of Hopi Point. Hermit Road closes to all traffic July 7. Hikers along the Rim Trail can walk as far as Trailview Overlook, when the closure takes place. The map on pages 10–11 shows these restrictions. The project should be completed with road and trail reopened by mid-November.

Closure of Hermit Road prevents use of the Hermit Trail. If you have a backpacking permit for the Hermit Trail, talk to the rangers at the Backcountry Information Center concerning access to the trail.

Entrance Stations

As you drove through either the East or South Entrances, you may have noticed improvements to the facilities. The elaborate rockwork at the East Entrance Station catches your eye. The

South Entrance added lanes. The National Park Service hopes these improvements reduce lines and waiting at the entrance stations.

Shuttle Buses

New shuttle buses replaced some of the older ones, including the diesel-fueled buses. All shuttles now use compressed natural gas, a much cleaner burning fuel. Two new shuttle bus routes come into operation this summer. The Tusayan Route begins June 2 and travels between Canyon View Information Plaza and the gateway community of Tusayan, making four stops in Tusayan. The Desert View Route begins July 7 and heads east from Canyon View Information Plaza twenty-five miles to Desert View stopping at Grand View Point, Moran Point, and Tusayan Museum along the way. See other articles for more information on these routes.

Not all of the funds collected as entrance fees

stay here. National Park Service areas that do not collect fees receive approximately twenty percent of each entrance permit.

The National Park Service thanks you for your support. If you plan to visit other park service areas, you may want to purchase the *America the Beautiful—Federal Lands Pass*, which provides entrance to all sites that have entrance fees. You can apply your current Grand Canyon National Park entrance permit towards the Interagency Pass.



Park Science

For your safety and theirs: Keep wildlife wild

To many people, the opportunity to view the wildlife in Grand Canyon National Park is as amazing as the spectacular views. Visitors may commonly see mule deer and elk in Grand Canyon Village. Endangered California condors soar majestically above the canyon. Other wildlife including ravens, lizards, and rock squirrels are common along the rim. Visitors may also have the opportunity to glimpse bighorn sheep, coyotes, and ringtails. Mountain lions, bobcats, badgers, and rattlesnakes are less commonly seen, but are present in the park.

Many visitors to Grand Canyon may think that species such as rattlesnakes and mountain lions pose the greatest risks to people. In fact, rock squirrels, deer, or elk inflict more injuries. During the summer, rock squirrels commonly bite visitors who are feeding them, or who are just holding their finger out towards them. Park rangers regularly tell visitors that squirrels are the most dangerous animal in the park because squirrel bites are so frequent.

Federal law protects all wildlife in Grand Canyon National Park. Most people know that hunting and trapping are not allowed in national parks, yet many people may not realize that approaching or feeding animals is also prohibited. Park regulations prohibit these actions because they are harmful to animals and place people in danger. When you approach too closely to wildlife, you may stress them and interfere with behaviors necessary for their survival.

Animals that are fed by people may lose their natural fear of humans and their ability to forage for natural foods. “A fed animal is a dead animal” embodies considerable truth. In addition to losing their foraging ability, animals that have been fed are less likely to survive for other reasons. Visitors feeding animals from vehicles cause them to congregate near roadways, placing them at a high risk of being killed by vehicle collisions.

In recent years the National Park Service has had to euthanize deer,



coyotes, rock squirrels, and other animals that had become overly aggressive towards humans or had become completely dependent on food handouts. Park rangers work to preserve and protect park resources, including wildlife. NPS staff find it heartbreaking when they are forced to euthanize animals whose aggressive behaviors were caused by being fed by well-meaning people.

Feeding animals puts everyone in potentially hazardous situations. People who feed animals may be bitten or otherwise injured by the animal they are feeding. Other visitors are at risk as they may be harmed by aggressive animals that have previously been fed.

Seemingly tame animals are still wild, and may behave unpredictably. Animals may use their teeth, claws, hooves,

antlers, or horns to defend themselves. View wildlife from a safe distance. Provide animals sufficient room to make an escape if they feel threatened. You are too close to an animal if your presence causes them to move.

There are other serious hazards associated with wildlife. Squirrels and other rodents, coyotes, foxes, bats, and mountain lions may carry infectious diseases such as *Hantavirus*, rabies, or plague. In some situations, animals may transmit these diseases through simple contact, such as touching or feeding wildlife. In recent years, biologists have documented *Hantavirus*, rabies, and plague in the park's wildlife populations.

Grand Canyon National Park is a sanctuary and home for wildlife. By treating wildlife with respect and not approaching or feeding them, you are aiding their chance for survival. By keeping wildlife wild, you are protecting their safety—and yours.

Mountain Lions and You



Research has documented mountain lions on the South Rim, including areas frequented by people. If cougars are in this area, are people in danger? The great majority of visitors never see a mountain lion in the park. There has never been a documented attack. These suggestions reduce the chance of mountain lion and human interactions.

Although seldom seen, the presence of mountain lions and other wildlife contributes to the richness of the visitor experience. Please respect all inhabitants of this wonderful area, both four-footed and two-footed.

The following suggestions may be helpful in reducing the chance of mountain lion encounters:

- Do not hike alone. Hike in groups and make noise.
- Supervise your small children. Do not let them run ahead out of sight.
- Do not leave food, including pet food, where animals can reach it.

If you should encounter a mountain lion that appears aggressive or does not immediately retreat:

- Do not turn and run, which could provoke a chase response. Back slowly away from the lion while facing it.
- Appear big. Stand tall. Hold a jacket open to increase your apparent size.
- Make noise.
- Keep together in a group. There is safety in numbers.
- In the unlikely event of an attack, fight back.

Report all mountain lion sightings to a ranger.

Park Science

Clean Air and Distant Views Are Our Resources Vanishing?

Grand Canyon National Park is one of the few places left in the United States where you can see as far as it is theoretically possible to see. At Grand Canyon the average visibility is ninety miles. By comparison, in the eastern United States average visibility is twelve to twenty miles. However, exceptionally clear days are becoming extremely rare at Grand Canyon. More than 90 percent of the time, a veil of air pollution obscures distant landmarks, mutes colors, and flattens textures. The air pollution creating the haze is not concentrated enough to violate health standards, but it is visible nonetheless. This haze is usually at

its worst in the summer, when prevailing winds bring pollution from the southern parts of Arizona, California, Nevada, and northern Mexico.

The National Park Service is working to protect and restore the clear air that enhances the natural beauty of the Southwest. An extensive monitoring network in the park measures air quality, determining how much and what kinds of pollution are present. The National Park Service works with partners in federal, tribal, state, and local governments to reduce pollution loads. Some examples illustrate the range of their efforts. Inside the park, shuttle buses transporting thousands

of visitors who have parked their cars not only reduce automobile congestion, but also help lower polluting emissions. For eons periodic low-intensity forest fires have maintained park ecosystems. Today, similar fires, ignited by land-management agencies, are restoring ecosystems, but the fires and their smoke are carefully managed to limit their impacts. "Scrubbers" on nearby coal-burning power plants capture sulfur oxides before they are released into the atmosphere to reduce their effect on Grand Canyon's views.

Air pollution at Grand Canyon is not simply a local problem. Most of the

haze in the canyon rides the wind from distant urban and industrial areas. We can trace the Los Angeles basin "plume," which impacts Grand Canyon's air quality, all the way to North Dakota. Actions taken in distant cities to reduce their pollution levels benefit the air here, as well.

Long-term monitoring indicates that some pollution levels have dropped at Grand Canyon, while others have risen. Even as individual pollution sources become cleaner, the sheer number of other sources, such as motor vehicles, can overwhelm these improvements. Over the last ten years at Grand Canyon, we have seen rela-

tively stable haze and atmospheric deposition ("acid rain") levels. That these pollution levels are not getting worse is promising. We have recorded, however, a disturbing rise in ozone (smog) concentrations. Restoring the canyon views to their natural splendor will require more effort. Clearly our efforts can be rewarded!

To learn more about the air quality at Grand Canyon and other national parks visit the National Park Service's Air Resources Division website: www.nature.nps.gov/air. Our webcam can be reached through this site where you can enjoy a Grand Canyon view anytime.



Since 1983 photographs have been taken three times a day looking west from the Watchtower at Desert View. The visual range in the photograph on the left is approximately 180 miles (300 km). Clear conditions such as this occur only 1 percent of the time. In contrast the photograph to the right represents a visual range of about 60 miles. Fortunately conditions such as this occur at the Grand Canyon less than 10 percent of the time. (Both photographs were taken at noon.) For a webcam view of the canyon with air quality information, visit <http://www.nature.nps.webcam/parks/grcacam/grcacam.cfm>



Natural Sounds, Natural Quiet

The natural world is never completely silent. Sitting in a quiet spot along the rim you can hear the wind in the pines, the whistling of the wings of a swallow as it darts through the air, the three-note call of a chickadee, or the scolding of a squirrel from the safety of a tree trunk. You may also hear the traffic on a nearby road, the conversation of passing groups of visitors, or a car alarm inadvertently set off in a parking lot.

The National Park Service defines natural quiet as "the natural, ambient sound conditions in the park." In 1975, Congress mandated the restoration of natural quiet in Grand Canyon National Park. Why the

"restoration" of natural quiet? A major concern is the sound of aircraft on tours over the park. Near the developed areas of the rim, you may not hear airplanes or helicopters. Aircraft flying tours over the park are restricted to specific corridors that for safety and aesthetics avoid the most popular areas. In other areas, the frequent overflights disturb the quiet visitors seek.

The National Park Service has a goal for the noise generated by aircraft operating below an altitude of 18,000 feet (5,500 m): 50 percent or more of the park with natural quiet for 75–100 percent of the day, each and every day. The NPS and Federal Aviation

Agency are working on regulations to achieve these goals.

Other human-generated sounds also intrude on the natural quiet. Some visitors feel the urge to test the echoing quality of the canyon cliffs. In the campgrounds, regulations restrict the operating hours of generators. A shrill whistle announces the arrival of the train.

Take a moment or two during your stay to enjoy the natural sounds. The sounds you hear at the canyon are probably much different than what you hear at home. Preserving the natural quiet involves us all.



Recycle!



Grand Canyon National Park participates in an effective recycling program. Place recyclables in the tan bins found throughout the South Rim area.

- Aluminum cans and other metals
- All plastics except styrofoam
- Clean paper and cardboard

Do not put batteries, hazardous materials, trash, or anything contaminated with foodstuff in the recycle bins. The National Park Service and our world thank you.

Park Science

California Condors: Soaring to Success



Cautiously optimistic. That summarizes the outlook for the California condor, one of the largest and rarest birds in North America. The National Park Service at Grand Canyon National Park is pleased to be cooperating with the U.S. Fish and Wildlife Service, the Bureau of Land Management, and The Peregrine Fund in the reestablishment of a California condor population in Arizona. This is their story.

50,000–10,000 years ago:

The Pleistocene world presented a different view of Grand Canyon. During the height of the Ice Age, the climate was cooler and wetter. Coniferous forests crept down the sides of the canyon; rich grasslands covered surrounding plateaus. Large herbivores—Shasta ground sloth, shrubox, mammoths, and horses—grazed on the abundant food supply. California condors scavenged on the carcasses. Condor bones discovered in Grand Canyon caves document their presence.

A.D. 1500: By the time of the coming of European explorers to North America, California condors existed only along the Pacific Coast, from British Columbia to Baja California, extending inland a few hundred miles. Some researchers estimate that the population consisted of a few hundred pairs. With the extinction of the large land mammals, the condors may have been surviving on the carcasses of whales and other marine mammals. Was the population decrease due to the loss of the large mammals as a food source or were the condors unable to compete in a changed world with smaller scavengers such as the related turkey vulture?

Late 1800s: Both population and range continued to decline. The large birds were tempting targets for those with firearms. Gold miners obtained condor wing and tail feathers to store gold dust in the hollow shafts. A Victorian Age egg-collecting fad reduced productivity. The last active nest in Arizona occurred near Lees Ferry in the 1890s.

1924: The last condor sighting in Arizona was of a solitary condor near Williams, just south of the park.

1980s: Modern America presented new hazards for condors. Birds died flying into powerlines or from drinking spilled antifreeze from automobile radiators. Ingestion of bullets or pellets from carcasses resulted in lead poisoning. When the population of California condors reached a low of 22 individuals, biologists decided that the species' survival depended on capturing the remaining condors and initiating a captive breeding program. By 1987 all California condors were removed from the wild.

1996: The breeding program proved successful. The goal was to establish at least two wild populations in addition to the captive breeding condors. Central California and northern Arizona presented the best combination of habitat and food sources. In December the first six condors in the Arizona reintroduction effort flew from the acclimation site atop the Vermilion

Cliffs north of Grand Canyon. Further releases each year add to the population of free-flying condors.

Early 2000s: Most of the birds in the first releases were youngsters, only a year or two old. As they approached reproductive age, six or seven, they began to display courtship behavior. Not too surprisingly, the first nesting attempts were unsuccessful. Finally in 2003 a pair hatched and raised its young to fledging. Each spring since pair bonding and nesting has occurred—some successful, some not. The birds have had to learn the intricacies of living on their own.

Today: The condor program continues with more captive-raised birds released, additional nesting, and some disappointments. Two chicks fledged in 2007. Lead poisoning continues to be a problem. Condors are exposed to lead when they ingest bullets or pellets from carcasses. To reduce this lead source, the Arizona Game and Fish Department provides hunters in northern Arizona

with coupons for nonlead ammunition and encourages its use.

Four pairs appear to be actively nesting this spring, two in the park and two north of the park. Neither of the park nests are visible from the rim. Ask a ranger for current information on condor nesting and sightings.

With successful hatchings both in the wild and at rearing facilities, the California condor population should pass the 300 mark this year. More than 60 condors now fly over northern Arizona, with a similar population in California. A few birds call Baja California home. The future of the California condor looks much more promising than it did just a few years ago.

For more information check the “Notes from the Field” section at www.peregrinefund.org.

You Can Assist the Condors

One partner of the condor reintroduction program still needs to be mentioned—YOU. You can take an active role in condor management. If you encounter a condor, please:

- Enjoy the birds from a distance. Do not attempt to approach them. Condors will bite.
- Do not feed them or leave out food for a condor.
- Never throw objects at a condor or otherwise harass them.
- If you observe anyone harassing or harming a condor, immediately notify a park ranger.

Want to know more?

For more information on California condors, attend the *Condor Talk: Wings over the Canyon* ranger program described on page 2 or go to www.peregrinefund.org for recent field reports. Grand Canyon Association bookstores feature several condor titles, including:

- *Condor: To the Brink and Back*, John Nielsen
- *California Condors* (children's book), Patricia A. Fink Martin
- *Condor's Egg* (children's book), Jonathan London
- *Condors in Canyon Country*, Sophie Osborne

Artist in Residence

Want to be an artist in the park?

The broad vistas and awesome landscapes of the American West have inspired generations of artists. Their idyllic paintings, rough-and-tumble novels, sepia prints, and soaring musical scores prompted Congress to establish the national parks as an enduring heritage. The nation and the national park system are changing. New challenges of preservation and wise use arise daily.

Few places have inspired as much wonder as the Grand Canyon, a world-renowned symbol of the American dreams of exploration and endless possibilities. The unique chance to live and work in this unparalleled setting benefits both the selected professional artist and those who will enjoy their works. The Artist-in-Residence Program aims to share the beauty and history of Grand Canyon National Park with other visitors.

The Artist-in-Residence program offers professional artists (writers, composers, visual and performing artists) the opportunity to spend three weeks on the South Rim of Grand Canyon. Fall and winter on the South Rim feature fewer visitors, changing seasons, abundant wildlife, and a landscape accented with snow. This area offers unparalleled opportunities for inspiration and unspoiled solitude for artists.

The National Park Service supplies a residence within the park for a three week period in November 2008, or January or February 2009. The NPS also provides a \$75.00 per week meal reimbursement.

In exchange for the adventure of living and working in a national park, the resident artist has the opportunity to create works that generate understanding and dialogue about the need to preserve this national treasure. While here, the selected artist shares his or her inspiration, motivation, and techniques in programs with park visitors. Upon completion of the residency, the artist donates a work representative of the park.

If you are interested in the Artist in Residence program, stop by the Visitor Center at Canyon View Information Plaza and ask for a brochure with application or visit our website www.nps.gov/grca/supportyourpark/air.htm. Submit applications by September 15.



Education

Class Field Trips, Distance Learning, and

Teacher Workshops

The Environmental Education staff invites teachers and students to benefit from our free educational resources. We offer nine different ranger-led field trip programs on geology, ecology, and history taught in the field at Grand Canyon. These curriculum-based programs are designed for grades K-7 and address Arizona academic standards. We also offer distance learning via video-conferencing for schools unable to come to the park. Rangers may be available for in-class presentations either as pre-visit preparation or for classes not coming to the park.

Advanced reservations are required for these popular programs. Registration for the 2008/09 school year begins September 3.

Several times during the year, the National Park Service presents free teacher workshops at the canyon. The workshops cover pre- and post-visit activities, as well as a walk-through of the activities given in the national park.

For more information, or to make reservations for field trips, in-classroom ranger programs, or teacher workshops call (928) 638-7662 or visit www.nps.gov/grca/forteachers/index.htm.



Grand Canyon Semester



Northern Arizona University, in cooperation with Grand Canyon National Park and the Museum of Northern Arizona, offers an unforgettable undergraduate learning experience. On backcountry field trips, in traditional classroom settings, around campfires, and floating down the Colorado River through Grand Canyon, students confront current issues of the American West. Earn 18 semester credit hours while immersing yourself in experiential

learning that could change your life. For more information visit www.grandcanyonsemester.nau.edu.

Preserving Our Cultural Heritage



Many peoples have called Grand Canyon home during the past 10,000 years. During your visit, you may come across remnants of cultures from long ago. You may see evidence left by miners and explorers of the early twentieth century or the remains of prehistoric Native American dwellings, rock art, or artifacts such as pottery.

These ruins and artifacts are a fragile, irreplaceable legacy. The National Park Service preserves these special places and federal law prohibits the excavation, injury, destruction, or removal of any artifact or archeological site. When visiting a site,

DO

- Take pictures.
- Try to imagine what life was like in the past at Grand Canyon.
- Contact a ranger if you see archeological sites defaced or if you witness someone removing artifacts.

DON'T

- Walk or lean on walls.
- Touch rock art or granary walls.
- Move artifacts or modify walls.
- Eat or camp within the site.

If you would like to enjoy a cultural site visit:

- Tusayan Ruin on the South Rim
- Bright Angel Ruin at Phantom Ranch
- Hilltop Ruin, Nankoweap Granaries, and Unkar Delta along the Colorado River
- Walhalla Glades Ruin, Transept Trail Ruin, and Cliff Springs Granary on the North Rim
- Rock art sites along the Bright Angel Trail
- Horseshoe Mesa Historic District on the Grandview Trail

Day Hiking

Before You Go . . .

Plan Ahead

As a day hiker 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. Let a responsible person know your planned itinerary.

Temperatures Can Soar

There is a 20–30°F (11–16°C) difference in temperature between the cool, forested rim and the inner canyon. Canyon temperatures can soar to more than 110°F (43°C) in the shade and you will not be hiking in the shade. Hiking during mid-day (10:00 a.m.–4:00 p.m.) is not recommended.

Double Your Calories, Double Your Fun

Salty snacks and water or sports drinks should be consumed on any hike lasting 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 fluid consumption, you run the risk of becoming dangerously debilitated and severely ill. For every hour hiking in the canyon, you should drink 1/2 to 1 quart (liter) of water or sports drinks.

Your best defense against illness and exhaustion is to eat a healthy breakfast, 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.

Watch Your Time

Plan on taking twice as long to hike up as it took to hike down. Allow 1/3 of your time to descend and 2/3 of your time to ascend. Please give uphill hikers the right of way.

Mules and Hikers

Encounters between hikers and mules can result in injuries to packers and the death of mules. To ensure safety for yourself, other trail users, and mule riders, when encountering mules on the trails:

- Step off the trail on the uphill side away from the edge.
- Follow the directions of the wrangler. Remain completely quiet and stand perfectly still.
- Do not return to the trail until the last mule is 50 feet (15 m) past your position.

Hiking Tips

- 1. Be cool.** Hike during the cooler early morning and late afternoon hours. If you hike in the sun, try to keep your shirt and hat wet to stay cool.
- 2. Go slowly.** 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.
- 3. Rest often.** Find shade, sit down, prop your legs up, and take a 10-minute break at least once every hour.

- 4. Eat and drink frequently.** Balance your food and water intake. Eat a salty snack every time you take a drink.



Hiking Chart

WARNING: It is recommended that you do not attempt to hike from the rim to the river and back in one day. There are no loop trails recommended for day hikes; you will be hiking on the same trail in both directions. **Remember! You are responsible for your own safety and the safety of those in your party.**

Trails

Rim Trails (Mostly flat)

Begin from any viewpoint in the village or along Hermit Road. Rim trails offer excellent walking and quiet views of the inner canyon for visitors who desire an easy hike. See the map on pages 10–11.

Destination	Distance Round Trip	Approximate Time Round Trip	Elevation Change	Notes
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Along the Village Rim	Your Choice	15 min. to 1 1/2-hours	200 feet 60 m	Paved. Best easy walk. Passes historic buildings.
Along Hermit Road	Your Choice	15 min. to all day	200 feet 60 m	Becomes unmarked dirt path west of Maricopa Point.

Rim Trail closed west of Hopi Point until July 6.

Rim Trail closed west of Trailview Overlook beginning July 7.

Bright Angel Trail (Steep)

Trail begins just west of Bright Angel Lodge. Some shade. Seasonal water subject to pipeline breaks. Check at the Visitor Center at Canyon View Information Plaza or the Backcountry Information Center for status. Hiking to the river and back in one day is not recommended.

1 1/2-Mile Resthouse	3 miles 4.8 km	2–4 hours	1,131 feet 345 m	Restrooms. Water May–Sept.
3-Mile Resthouse	6 miles 9.6 km	4–6 hours	2,112 feet 644 m	Water May–Sept.
Indian Garden	9.2 miles 14.8 km	6–9 hours	3,060 feet 933 m	Restrooms. Water.

South Kaibab Trail (Steep)

Trail begins south of Yaki Point on Yaki Point Road. Best views for a relatively short hike. Steep trail, no water, little shade. Access trailhead via shuttle bus. Water available at trailhead. Hiking to the river and back in one day is not recommended.

Ooh Aah Point	1.8 miles 2.9 km	1–2 hours	600 feet 183 m	No water. First view east.
Cedar Ridge	3 miles 4.8 km	2–4 hours	1,140 feet 347 m	Restrooms. No water. First hitching rail.



Express hikers' shuttles directly from the Bright Angel Lodge shuttle bus stop and the Backcountry Information Center to the South Kaibab trailhead depart daily at: **May and September**—5:00 a.m., 6:00 a.m., and 7:00 a.m.; **June, July, and August**—4:00 a.m., 5:00 a.m., and 6:00 a.m.

Grandview Trail (Very Steep)

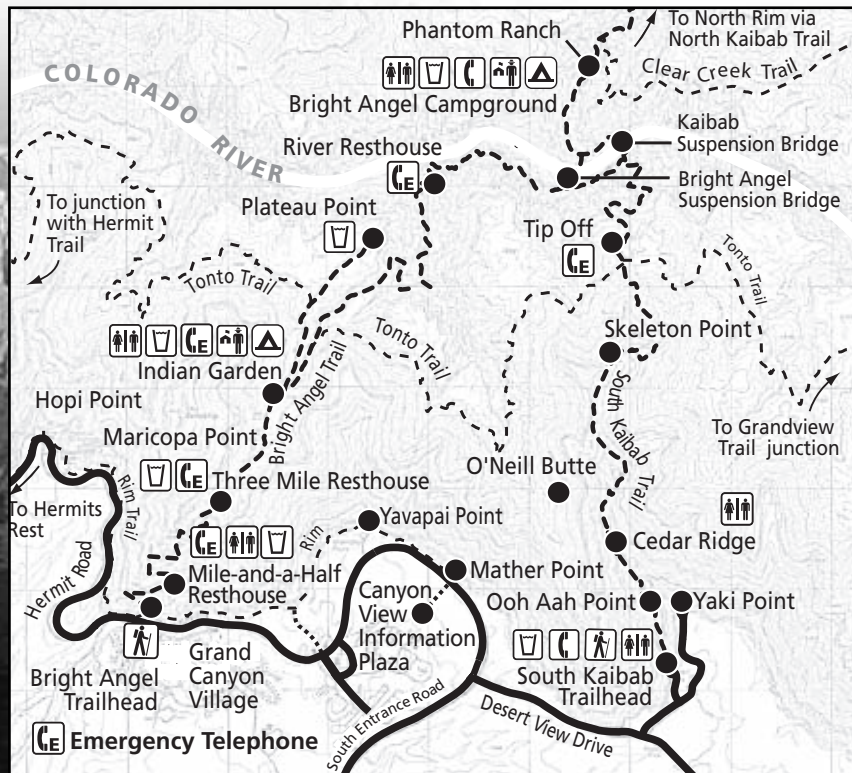
Unmaintained steep trail requires caution. Begins on canyon side of retaining wall at Grandview Point on Desert View Drive (12 miles east of village). For experienced desert hikers. Hiking boots recommended. This trail does not reach the river.

Coconino Saddle	2.2 miles 3.5 km	1–2 hours	1,190 feet 363 m	No water. Use extra caution along narrow sections.
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Hermit Trail

Road closed to Hermit Trailhead due to construction. Go to the Backcountry Information Center for more information.

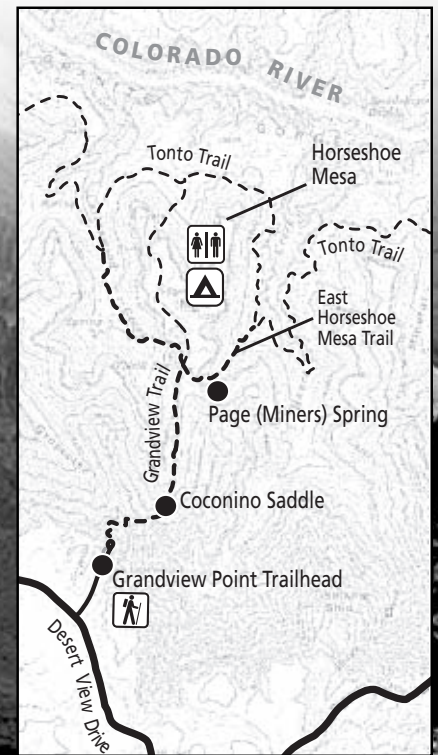
Hiking and Camping Below the Rim



Corridor Trails

Bright Angel Trail and South Kaibab Trail

Grandview Trail



Health Hazards

Moderation is the key to having an enjoyable hike. Hike within your ability, maintain proper body temperature, balance your food and water intake, and rest often. Emergency situations include:

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

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. Every year two to three Grand Canyon hikers experience heat stroke.

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 is an illness that mimics the early symptoms of heat exhaustion. It is the result of low sodium in the blood caused by drinking too much water, not eating enough salty foods, and losing salt through sweating.

Symptoms: nausea, vomiting, altered mental states, and frequent urination.

Treatment: have the victim rest and eat salty foods. If mental alertness decreases, seek immediate help!

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, poor judgement, and a careless attitude.

Treatment: put on dry clothing, drink warm liquids, warm victim by body contact with another person, and protect from wind, rain, and cold.

Leave No Trace



Leave No Trace is a non-profit organization dedicated to promoting responsible outdoor recreation through education, research and partnerships. While enjoying your visit, please consider the following principles to minimize your impact and help protect Grand Canyon for future generations.

1. Plan Ahead and Prepare
2. Travel and Camp on Durable Surfaces
3. Dispose of Waste Properly
4. Leave What You Find
5. Minimize Campfire Impacts
No campfires in Grand Canyon National Park backcountry.
6. Respect Wildlife
7. Be Considerate of Other Visitors

For more information visit www.lnt.org

Backpacking Permits

Overnight backpacking in Grand Canyon provides a degree of solitude, wildness, and silence that is increasingly difficult to find. A backcountry permit is required for all overnight backpacking, except for guests of Phantom Ranch. The majority of permits are reserved up to four months in advance. A fee of \$10 per permit plus \$5 per person per night is collected. The permit program helps to limit impacts to the natural resource while providing a greater degree of solitude for hikers.

Individuals arriving without a permit may be able to obtain one through a

daily waiting list. Inquire early in the morning at the Backcountry Information Center, open daily 8:00 a.m. to noon and 1:00 p.m. to 5:00 p.m. For more information, pick up a *Backcountry Trip Planner* at the Backcountry Information Office or the Visitor Center at Canyon View Information Plaza.

Backcountry Information Center

P.O. Box 129
Grand Canyon, AZ 86023

Tel: (928) 638-7875
(1:00 p.m. to 5:00 p.m. Mon.-Fri.)
www.nps.gov/grca/

Want to know more?

Grand Canyon Association bookstores offer many books and maps on hiking. Bookstore hours and locations are listed on page 3. A few items to consider include:

- *Official Guide to Hiking Grand Canyon*, Scott Thybony
- The Grand Canyon Trail Guides series: Bright Angel, Grandview, Havasu, Hermit, North Kaibab, South Kaibab, South and North Bass
- *Grand Canyon National Park Trails* topographic map

Lodging and Services

Food

Dining Listed west to east (approximately) along the rim.

Maswik Cafeteria

Located in Maswik Lodge at the west end of the village. Open daily 6:00 a.m.–10:00 p.m. Sports Lounge open daily 5:00 p.m.–10:00 p.m.

Bright Angel Restaurant

Located in Bright Angel Lodge. Open daily. Breakfast 6:00 a.m.–10:45 a.m. Lunch 11:15 a.m.–4:00 p.m. Dinner 4:30–10:00 p.m. Lounge 11:00 a.m.–11:00 p.m.

Bright Angel Coffee House

Located in the Bright Angel Lodge. Open daily 5:30 a.m.–11:00 a.m.

Bright Angel Fountain

Ice Cream and Snacks. Located on the rim at the Bright Angel Lodge. Open daily 10:00 a.m.–8:00 p.m.

The Arizona Room

On the rim in the Bright Angel Lodge. Open daily. Lunch 11:30 a.m.–3:00 p.m. Dinner 4:30 p.m.–10:00 p.m. Reservations are not accepted.

El Tovar Dining Room

Located on the rim. Open daily. Breakfast 6:30 a.m.–10:45 a.m. Lunch 11:15 a.m.–2:00 p.m. Dinner 4:30 p.m.–10:00 p.m. Dinner reservations are required: (928) 638-2631 ext. 6432. Lounge: 11:00 a.m.–11:00 p.m.

Delicatessen at Marketplace

Located in the General Store. Open daily. May 8:00 a.m.–7:00 p.m. June–Aug. 9:00 a.m.–8:00 p.m.

Yavapai Cafeteria (Coyote Cafe)

Located at Market Plaza. Open daily 6:00 a.m.–9:00 p.m.

Desert View Trading Post Snackbar

Open daily 8:00 a.m.–7:00 p.m.

Groceries

Canyon Village Marketplace

The General Store is located in Market Plaza. Open daily 7:00 a.m.–9:00 p.m.

Desert View Marketplace

May 9:00 a.m.–6:00 p.m. June–Aug. 8:00 a.m.–6:00 p.m.

Lodging

In the Park

All prices are subject to change. For same-day reservations, call (928) 638-2631. For advance reservations, call (888) 297-2757 or write to: Xanterra Parks & Resorts, 6312 South Fiddlers Green Circle, Ste. 600N, Greenwood Village, CO 80111; www.xanterra.com.

Bright Angel Lodge

On the rim. \$66–166.

El Tovar Hotel

On the rim. \$166–406.

Kachina Lodge

On the rim. \$162–172.

Thunderbird Lodge

On the rim. \$ 162–172.

Maswik Lodge

West end of village. \$86–162.

Yavapai Lodge

Market Plaza. \$102–146.

Phantom Ranch

Bottom of the canyon; Overnight dormitory and cabin space. Advance reservations are required. Call for prices (see above).

Outside the Park

Grand Hotel

Tusayan. (928) 638-3333

Best Western Grand Canyon Squire Inn

Tusayan. (928) 638-2681

Holiday Inn Express

Tusayan. (928) 638-3000

Quality Inn

Tusayan. (928) 638-2673

Red Feather Lodge

Tusayan. (928) 638-2414

Camping

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

In the Park

Mather Campground

Operated by the National Park Service. No hookups are available, but there is a dump station. Maximum vehicle length: 30 feet. Campsites are \$18 per night. Some sites may be available on a first-come, first-served basis. Check at the campground entrance. For advance reservations contact (877)-444-6777 or visit www.recreation.gov/

Trailer Village

Trailer sites with hookups are located next to Mather Campground; \$30 per site per night for two people; \$2 for each additional person over age 16. Campers may register at the entrance to Trailer Village. Reservations through Xanterra (888) 297-2757.

Desert View Campground

Located near the East Entrance, 25 miles from Grand Canyon Village. Self-registration; first-come, first-served. \$12 per site per night.

Outside the Park

Camper Village

Commercial campground located 7 miles south of Grand Canyon Village in the town of Tusayan; Hookups, propane, and coin-operated showers are available; Call: (888) 638-2887 or visit online at: www.grandcanyonactivities.com

Ten-X Campground

Operated by Kaibab National Forest. Located 2 miles south of Tusayan. \$10 per site per night; no hookups or showers. Information (928) 638-2443.

Services

Laundry & Showers

Through May 31: 7:00 a.m.–9:00 p.m. Last laundry load: 7:45 p.m.

Beginning June 1: 6:00 a.m.–11:00 p.m. Last laundry load 9:45 p.m.

Chase Bank & ATM

Located at Market Plaza. Bank open: Mon.–Thurs. 9:00 a.m.–5:00 p.m., Fri. 9:00 a.m.–6:00 p.m.; Accepts travelers checks and major credit cards; Phone: (928) 638-2437; 24-hour ATM.

Post Office

Located at Market Plaza; window service: Mon.–Fri. 9:00 a.m.–4:30 p.m., Sat. 11:00 a.m.–1:00 p.m.; Lobby open: 5:00 a.m.–10:00 p.m. Stamps are available in lobby; Phone: (928) 638-2512.

Kennels

Open daily: 7:30 a.m.–5:00 p.m.; Phone (928) 638-0534. For retrieval after 5:00 p.m., contact Fire and Safety at: (928) 638-2631.

Lost & Found

For items lost or found in hotels or restaurants, call (928) 638-2631. For all other lost items, call (928) 638-7798. Please take found items to the Visitor Center at Canyon View Information Plaza.

Garage Services

Located east of Grand Canyon National Park Lodges general offices. Open daily 8:00 a.m.–noon and 1:00–5:00 p.m. Garage provides emergency repairs such as tires, belts, batteries, fuses, hoses, etc. Tow service provided to Williams or Flagstaff for more advanced repairs. After hours emergency service available. (928) 638-2631.

Camping Equipment

Camping, hiking, and backpacking equipment may be purchased or rented at Canyon Village Marketplace (general store). Propane in exchangeable tanks is available.

Community Library


Mon. and Wed.: 10:30 a.m.–7:00 p.m. Tues., Thurs. and Fri.: 10:30 a.m.–5:00 p.m. Sat.: 10:00 a.m.–4:00 p.m. Closed Sun. and holidays

Children's story time: Thurs. 11:00 a.m. Internet service available. Call (928) 638-2718 for directions.

Child Day Care

The Kaibab Learning Center. Day care of infants through 12 year olds if space is available. Immunization records must be provided. Open Mon.–Fri. 7:30 a.m.–5:30 p.m. Call (928) 638-6333 for more details.

Accessibility

Programs, services, and facilities that are fully or partially accessible to persons with physical disabilities are noted in *The Guide* by the following symbol:  Wheelchair accessible with assistance.

Day Use Wheelchairs

The National Park Service provides temporary day-use wheelchairs at no charge. A wheelchair is available at the Visitor Center at Canyon View Information Plaza.

Temporary Parking

To obtain a permit for designated parking, inquire at the entrance gate, Visitor Center at Canyon View Information Plaza, or Yavapai Observation Station.

Wheelchair Accessible Tours

Wheelchair-accessible tours are available by prior arrangement. Contact any lodge transportation desk or call (928) 638-2631 for information. TTY phones are available to hotel guests in the park.

Accessibility Guide Available

The Grand Canyon National Park *Accessibility Guide* is available upon request at the Visitor Center at Canyon View Information Plaza, Yavapai Observation Station, Kolb Studio, Tusayan Museum, Desert View Information Center, and park entrance stations.

Books/Gifts

Listed west to east (approximately).

Maswik 7:00 a.m.–10:00 p.m.

Kolb Studio 8:00 a.m.–7:00 p.m.

Lookout Studio 8:00 a.m.–Sunset

Bright Angel 7:00 a.m.–10:00 p.m.

El Tovar 7:00 a.m.–10:00 p.m.

Hopi House 8:00 a.m.–8:00 p.m.

Verkamps Curio 9:00 a.m.–7:00 p.m.

Yavapai Curio 7:00 a.m.–10:00 p.m.

Books & More at Canyon View Information Plaza 8:00 a.m.–8:00 p.m.

Yavapai Observation Station 8:00 a.m.–8:00 p.m.

Tusayan Museum 9:00 a.m.–5:00 p.m.

Desert View Bookstore/Park Information 9:00 a.m.–5:00 p.m.

Desert View Trading Post 8:00 a.m.–Sunset

Desert View Watchtower 8:00 a.m.–Sunset

Organizations and Services

Medical

24-Hour Emergency Care

Dial 911 (From hotel rooms dial 9-911).

North Country Grand Canyon Clinic

Open daily 8:00 a.m.–6:00 p.m.
Phone: (928) 638-2551.

Religious Services

Religious services are offered in the park and the surrounding community. However, the National Park Service does not endorse any group or message.

Current schedules are posted at Mather Campground (near Entrance Station), Shrine of the Ages, the Visitor Center at Canyon View Information Plaza, and the information kiosk near the post office.

A Christian Ministry in the National Parks (928) 638-2340

Grand Canyon Community Church (Interdenominational)
Jared Long, Pastor; (928) 638-2340

The Church of Jesus Christ of Latter-Day Saints
Don Keil, Branch President;
(928) 638-4050

El Cristo Rey Roman Catholic Church
Father Eugene Cagoco, (928) 638-2390

Grand Canyon Assembly of God
Brian and Debbie Fulthorp, Co-Pastors;
(928) 638-9415

Grand Canyon Baptist Church
Rick Wiles, Pastor; (928) 638-9415

Jehovah's Witnesses (Tusayan)
Borden Miller: (928) 635-4166

Service Organizations

Alcoholics Anonymous
AA meets Monday, Wednesday, and Friday at 7:00 p.m. in the Kachina Room, Kachina Lodge. Meetings are open and nonsmoking.

Grand Canyon Rotary Club
Meets Thursdays at noon at the Thunderbird Room in the Thunderbird Lodge.

Lions Club
Meets twice monthly on the 1st and 3rd Wednesdays at 7:00 p.m. at the Grand Hotel in Tusayan. For information call (928) 638-0666.

Tours and River Trips

Air Tours

Fixed-wing and helicopter tours of the Grand Canyon region originate daily from Grand Canyon Airport. A list of air tour operators is available upon request at the Visitor Center at Canyon View Information Plaza, or consult the local telephone directory.

Bus Tours

Tours within the park to Desert View and Hopi Point, 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 (928) 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 (928) 638-2631 or contact the Bright Angel Lodge transportation desk for more information.

Horse Rides

Trail rides and campfire and wagon rides are available from Apache Stables in Tusayan. For information and reservations call (928) 638-2891.

White Water Raft Trips

White-water trips through the canyon last 3–21 days and require reservations well in advance. Ask at the Visitor Center at Canyon View Information Plaza for a *Trip Planner* with a list of approved river trip operators.

Smooth-Water Raft Trips

Half-day trips on the Colorado River from Glen Canyon Dam to Lees Ferry are provided by Colorado River Discovery, (888) 522-6644; www.raftthecanyon.com. All day tours from the park including the smooth-water raft trip can be arranged at any lodge transportation desk.

Learning & Lodging

The Grand Canyon Field Institute (GCA) and Xanterra South Rim offer fun and informative *Learning & Lodging* programs that combine lodging, meals, and two days in the field with an instructor. Inquire at the front desk or transportation desk at any in-park lodge (see page 18), call (928) 638-2525, or visit www.grandcanyonlodges.com (click on promotions).

Transport

Bus Service

Greyhound Bus Lines offers service from Flagstaff, Arizona to points nationwide; (800) 231-2222. For road transport to the park see *Shuttle Service* below.

Railroad

Grand Canyon Railway offers service between Williams, Arizona, and Grand Canyon. Call (800)-THE-TRAIN for information and reservations. The Railroad Express offers bus service 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 (800)-THE-TRAIN [(800) 843-8724].

Taxi Service

Service is available to the Grand Canyon Airport, trailheads, and other destinations. 24-hour service daily. Call: (928) 638-2822 or (928) 638-2631, ext. 6563.

Transportation Desks

Information about Phantom Ranch facilities, mule trips, horseback riding, air tours, one-day float trips, and motorcoach tours (including wheelchair-accessible vehicles) is available at the lodge lobbies (hours vary seasonally). Call (928) 638-2631, ext. 6015.

Maswik Lodge

6:00 a.m.–6:30 p.m.

Bright Angel

6:00 a.m.–8:00 p.m.

Yavapai Lodge

8:00 a.m.–5:00 p.m.

Rim to Rim Shuttle

Daily round-trip transportation between the North Rim and South Rim is provided by Transcanyon Shuttle. One trip each way daily. Reservations required: (928) 638-2820.

Shuttle Service

Two companies provide shuttle service between Flagstaff, Williams, and Grand Canyon twice daily. They also serve Phoenix as well as other points in northern Arizona.

Flagstaff Express

(800)563-1980
(928)225-2290
www.flagstaffexpress.com

Open Road Tours

(877)226-8060
(928)226-8060
www.openroadtours.com

Additional Out-of-Park Services

The following facilities are located in Tusayan, outside the park's south entrance on U.S. Highway 64 South.

For additional services not listed, consult the local telephone directory. Area code (928) for all numbers listed below.

Fuel

Conoco Service Station 638-2608

Food

Café Tusayan 638-2151
Canyon Food Mart 638-2608
Canyon Star 638-3333
General Store 638-9228
McDonald's 638-2208
Sophie's Mexican Kitchen ... 638-8423
Pizza Hut 638-4629
Quality Inn 638-2673
RP's Stage Stop 638-3115
Squire Inn Restaurant 638-2681
Tusayan Steakhouse 638-2780
We Cook Pizza, Etc 638-2278
Wendy's 638-6484

Internet Access

Grand Canyon Tourist Center .638-2626
Quality Inn 638-2673
Jennifer's Internet & Bakery
Cafe 638-3433
Red Feather Lodge 638-2414
RP's Stage Stop 638-3115

Beauty Salon

Grand Canyon Squire Inn 638-8413

Hualapai Skywalk

The Hualapai Skywalk at Grand Canyon West is on the Hualapai Indian Reservation, not in Grand Canyon National Park. The Skywalk at the west end of Grand Canyon is approximately 250 miles from the South Rim—50 miles east of Highway 93 between Kingman, Arizona and Las Vegas, Nevada.

Stop by the Visitor Center at Canyon View Information Plaza for a handout with more details and a map. For additional information or to make reservations telephone (877)716-9378 or (702)878-9378 or visit www.destinationgrandcanyon.com.



Pets must be leashed at all times.

Leashed pets are allowed on rim trails throughout the developed areas of the South Rim, 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 Backcountry Information Center. Kennels are available. Telephone: (928) 638-0534.

Kaibab National Forest

Tusayan Ranger District 638-2443

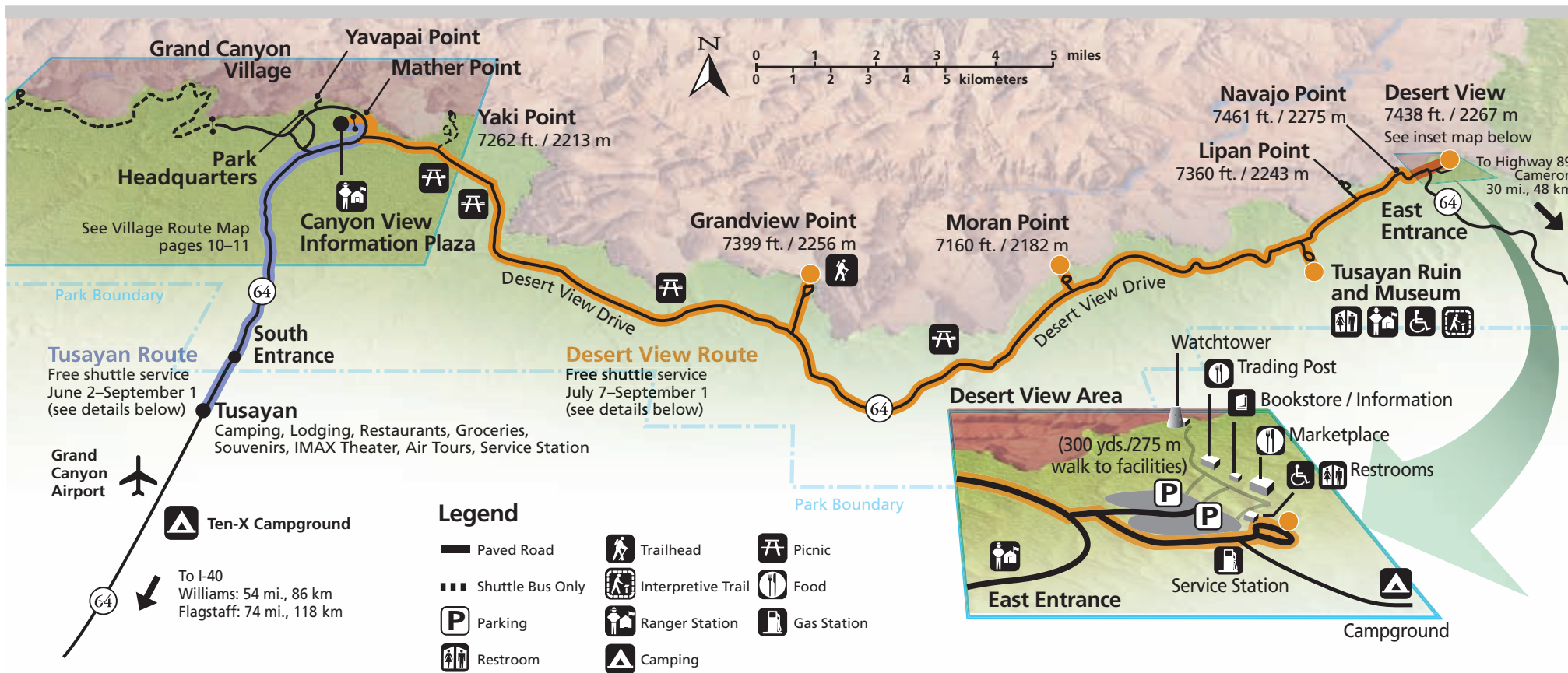
News and Weather

KNAU 90.3..... (800) 532-5628



Arizona Highway Information 511
or (888) 411-ROAD or www.az511.gov

South Rim



New Free Shuttle Bus Routes

Two new shuttle bus routes are operating this summer from the east side of Canyon View Information Plaza.

Tusayan Route

Buses provide transportation between the hotels in Tusayan (four stops) and Canyon View Information Plaza. You must have a valid park entrance permit to use this shuttle. Purchase permits at hotels and the National Geographic Visitor Center in Tusayan, if you have not already paid for a permit at the entrance station.

Service starts June 2 and continues until September 1.

20 minutes each way (riding time; no stop)

- Buses run every 20 minutes
- First bus leaves Tusayan at 8:00 a.m.
- First bus leaves CVIP at 8:40 a.m.
- Last bus leaves Tusayan at 9:00 p.m.
- Last bus leaves CVIP at 9:00 p.m.

Desert View Route

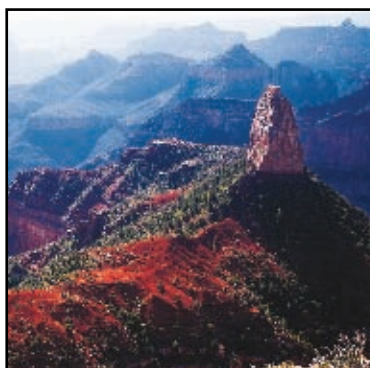
Buses provide transportation between Canyon View Information Plaza and Desert View, 25 miles to the east with stops at Grandview Point, Moran Point, Tusayan Museum, and Desert View. This is an excellent way to see this lesser-visited area of the South Rim and save fuel, but this is not a sunset tour.

Service starts July 7 and continues until September 1.

2 1/2 hours round trip (Riding time; get on and off at any stop)

- Buses run every 20 minutes
- First bus leaves Canyon View Information Plaza at 7:00 a.m.
- First bus leaves Desert View at 8:10 a.m.
- Last bus leaves CVIP at 5:00 p.m.
- Last bus leaves Desert View at 6:10 p.m.

North Rim



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

Lodging and camping are available at the canyon's North Rim from mid-May through mid-October. Reservations are strongly recommended. Additional facilities are available in the surrounding Kaibab National Forest, the Kaibab Lodge area, and Jacob Lake. During winter months, the road to the North Rim entrance is closed due to snow.

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 Visitor Center at Canyon View Information Plaza on the South Rim.

Desert View Services

Chevron Service Station	Open Daily	9:00 a.m.–5:00 p.m. Fuel available 24 hours with credit card
Desert View Marketplace	Open Daily	8:00 a.m.–6:00 p.m.
Bookstore/Park Information	Open Daily	9:00 a.m.–5:00 p.m.
Trading Post Snack Bar	Open Daily	8:00 a.m.–7:00 p.m.
Trading Post Gift Shop	Open Daily	8:00 a.m.–Sunset
Watchtower Gift Shop	Open Daily	8:00 a.m.–Sunset
Watchtower Stairs	Open Daily	8:00 a.m.–30 min. before sunset
Desert View Campground	Open Daily	1 st come–1 st served

National Park Service
U.S. Department of the Interior

Grand Canyon National Park

Post Office Box 129, Grand Canyon, AZ 86023

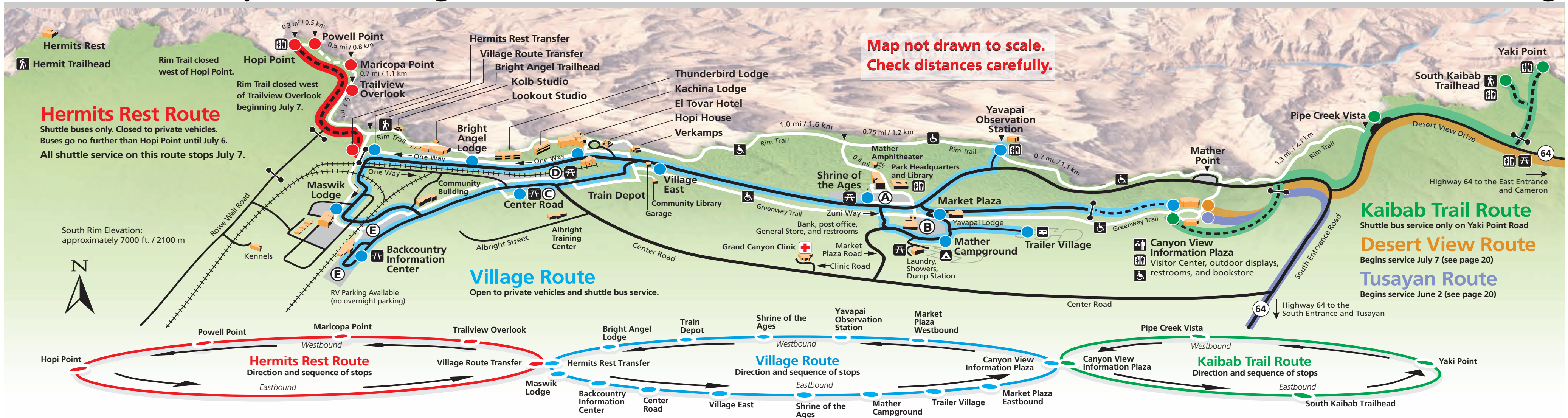
For the latest information updates, visit Grand Canyon National Park's website at: www.nps.gov/grca/

The Guide is published by Grand Canyon National Park in cooperation with Grand Canyon Association. Printed by Arizona Daily Sun on recycled paper, using soy inks.



EXPERIENCE YOUR AMERICA

Grand Canyon Village Shuttle Bus Routes, Points of Interest, and Parking



Free Shuttle Buses

Free shuttle buses operate on five routes at Grand Canyon National Park: Hermits Rest Route (indicated in red on the map above), Village Route (blue), and Kaibab Trail Route (green). New this summer are the Tusayan Route beginning June 2 and Desert View Route beginning July 7. No tickets are required, and bus stops are clearly marked throughout the park by signs with the above symbol.

Buses may be white, white with a green stripe, or brown and tan. The route is indicated by a colored square near each door. Many buses also display the route name on the front of the bus.

Pets are not permitted on buses.

Note: Sunrise and sunset times are listed on page 6.

Hermits Rest Route

Buses provide transportation between the Village Route Transfer and Hopi Point (3 miles) with stops at four canyon overlooks. Buses do not stop on return.

Hermit Road is rough. Visitors with back or hip problems may find it more comfortable to ride in the front bus rather than the trailer.

30 Minutes Round Trip (riding time; get on or off at any stop)

- May buses run:**
- Every 30 minutes from 4:30 a.m. to 7:30 a.m.
 - Every 15 minutes from 7:30 a.m. to sunset.
 - Every 30 minutes from sunset to one hour after sunset.
- June—July 6 buses run:**
- Every 30 minutes from 4:15 a.m. to 7:30 a.m.
 - Every 15 minutes from 7:30 a.m. to sunset.
 - Every 30 minutes from sunset to one hour after sunset.

Service on this route stops July 7.

Village Route

Buses provide transportation between Canyon View Information Plaza, Yavapai Point, hotels, restaurants, campgrounds, parking lots, and other facilities in the Village area. This is not a scenic route, but rim views are available a short walk from many stops.

60 Minutes Round Trip (riding time; get on or off at any stop)

- May buses run:**
- Every 30 minutes from 4:30 a.m. to 6:30 a.m.
 - Every 15 minutes from 6:30 a.m. to 7:30 p.m.
 - Every 30 minutes from 7:30 p.m. to 10:00 p.m.
- June, July, and August buses run:**
- Every 30 minutes from 4:15 a.m. to 6:30 a.m.
 - Every 15 minutes from 6:30 a.m. to 9:00 p.m.
 - Every 30 minutes from 9:00 p.m. to 11:00 p.m.
- September buses run:**
- Every 30 minutes from 5:15 a.m. to 6:30 a.m.
 - Every 15 minutes from 6:30 a.m. to 7:30 p.m.
 - Every 30 minutes from 7:30 p.m. to 10:00 p.m.

Kaibab Trail Route

Buses provide transportation between Canyon View Information Plaza, South Kaibab Trailhead, Yaki Point, and Pipe Creek Vista. This is the shortest scenic route and the only access to Yaki Point.

30 Minutes Round Trip (riding time; get on or off at any stop)

- May buses run:**
- Every 30 minutes from 4:30 a.m. to 6:30 a.m.
 - Every 15 minutes from 6:30 a.m. to one hour after sunset.
- June, July, and August buses run:**
- Every 30 minutes from 4:15 a.m. to 6:30 a.m.
 - Every 15 minutes from 6:30 a.m. to one hour after sunset.

Hikers' Express

An early morning shuttle picks up hikers daily at the Bright Angel Lodge shuttle stop and the Backcountry Information Center and travels directly to the South Kaibab Trailhead.

- May and September:**
- 5:00, 6:00, and 7:00 a.m.
- June, July, and August:**
- 4:00, 5:00, and 6:00 a.m.

Rules of the Road

Motorist Warning
Pedestrians have the right of way. Vehicles must stop for pedestrians in crosswalks. It is the Law.

Pedestrian Warning
Avoid walking on narrow park roads. Use trails that parallel most park roads. Always face traffic.

Bicyclist Warning
Bicycles are permitted on all paved and unpaved park roads and the new Greenway Trail. They are prohibited on all other trails, including the Rim Trail. Bicyclists must obey all traffic regulations. Always ride single file with the flow of the traffic. See and be seen; wear bright colors and a helmet.

On the narrow Hermit Road bicyclists should pull to the right shoulder of the road and dismount when large vehicles are attempting to pass. Never hang onto a shuttle bus while riding.

Parking

Parking is available in lots throughout Grand Canyon Village. Please avoid parking along the roadside except where signs or lines on the road indicate that it is permissible. Location of the lots is indicated on the map above.

- Lot A:** Near Park Headquarters (administrative offices) and Shrine of the Ages. Large lot that frequently has available spots.
- Lot B:** Near the businesses in Market Plaza. This is the largest lot, but tends to fill early.
- Lot C:** This small lot near the intersection of Center and Village Loop Roads may have spaces when others do not.
- Lot D:** Unpaved lot along the railroad tracks in the middle of the Grand Canyon Village historic district.
- Lot E:** Near the Backcountry Information Center. The southern portion of this lot has large, pull-through spaces for RVs and vehicles with trailers.

Easily accessible shuttle bus stops are located in or near all parking areas.

Accessibility

An accessibility permit, allowing access to some areas closed to public traffic, is available at entrance gates, the Visitor Center at Canyon View Information Plaza, Yavapai Observation Station, Kolb Studio, Park Headquarters, El Tovar Concierge Desk, and the Bright Angel Lodge, Yavapai Lodge and Maswik Lodge transportation desks.

Accessible shuttle buses are available in response to requests made the day prior. Call (928) 638-0591.

Visitors with accessibility considerations and their party members may use the shuttle that operates approximately every 15 minutes between Mather Point and Canyon View Information Plaza from 7:30 a.m. to 6:30 p.m. Shuttle service may be suspended during inclement weather.

Legend

- Shuttle Bus Routes (Indicated in red, blue, or green)
- Shuttle Bus Stops (Indicated in red, blue, or green)
- Major Park Roads (All vehicles)
- Secondary Roads (All vehicles)
- Shuttle Buses Only
- Parking
- Picnic Tables
- Paved Trails
- Unpaved Trails
- Distance between points on Rim Trail
- This map is not to scale. Check distances carefully.