



## Park Profile 2014



### Authorization

- 1893 Designated a “forest reserve” by President Benjamin Harrison (Presidential Proclamation #45)
- 1908 Established as Grand Canyon National Monument by President Theodore Roosevelt (Presidential Proclamation #794)
- 1919 Designated Grand Canyon National Park by an act of Congress on February 26 (40 Stat 1175)
- 1975 Grand Canyon National Park Enlargement Act, an act of Congress on January 3 (88 Stat 2089) (Public Law 93-620)
- 1979 Designated a World Heritage Site on October 26

### Park Statistics

**Park Size:** 1,217,403.3 acres / 487,350 hectares  
1,904 sq. miles / 4,950 kilometers

#### “The Grand Canyon”

Length	277 river miles / 446 km
Width	
Minimum (Marble Canyon)	600 feet / 180 meters
Average Rim to Rim	10 miles / 16 km
Maximum Rim to Rim	18 miles / 28.8 km
Average Depth	1 mile / 1.6 km
Rim Elevations	
South Rim	7,000 feet / 2100 m
North Rim	8,000 feet / 2400 m

#### Volume

Cubic Yards	5.45 trillion
Cubic Meters	4.17 trillion

#### “The Colorado River” (within Grand Canyon National Park)

Length	277 miles / 446 km
Average Width	300 feet / 90 m
Minimum Width	76 feet / 23 m
Average Depth	40 feet / 12 m
Greatest Depth	85 feet / 25.5 m
Average Gradient	7 feet per mile / 1.3 meters per km
Elevation at Phantom Ranch	2,400 feet / 720 m

The Colorado River is 1,450 miles / 2,333 km long from its source in the Rocky Mountains of Colorado to the Gulf of California.

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## Geology

Grand Canyon National Park preserves an iconic geologic landscape and resources ranging from 1,840 to 270 million years old, including diverse paleontological resources; unconsolidated surface deposits; a complex tectonic and erosion history; and Pliocene to Holocene volcanic deposits. The Colorado River established its course through the canyon about six million years ago, and likely evolved from pre-existing drainages to its current course. Geologic processes, including erosion of tributaries and slopes, and active tectonics continue to shape the canyon today. The geologic record in Grand Canyon is an important scientific chronicle and is largely responsible for its inspirational scenery.

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## Plant and Animal Life

Birds	373 species
Mammals	92 species
Fish	18 species (including five native species)
Reptiles and Amphibians	57 species
Invertebrates	8,480 known species
Exotic (non-native) Animal Species	23 species
Endemic Animal Species	20 species

(One reptile, three mammal and one mollusk species are known only from the Grand Canyon region. At least nine species of insects are endemic to Grand Canyon; and six fish species are endemic to the Colorado River basin.)

Plants (vascular)	1750 species
Endemic Plant Species	9 species
Exotic (non-native) Plant Species	198 species
Vegetation Formations	6 types

(Riparian, desert scrub, pinyon / juniper woodland, ponderosa pine forest, spruce / fir forest, and montane meadows / sub-alpine)

### Extirpated Species

Grizzly bear, black-footed ferret, gray wolf, jaguar, Bear Valley sandwort, Colorado pikeminnow, bonytail, roundtail chub, northern leopard frog, and southwestern river otter.

### Endangered / Threatened

**Animals:** California condor, humpback chub, razorback sucker, southwestern willow flycatcher, Mexican spotted owl, Kanab ambersnail, Yuma clapper rail, and desert tortoise. There are over 35 species of special concern and former USFWS Category 2 species.

**Plants:** The sentry milk-vetch (*Astragalus cremnophylax var. cremnophylax*) is the only endangered plant in the park. There are no listed threatened plant species. Nine species of special concern (formerly category 2 species) are known, and 25 additional vascular plants are of management concern due to their limited distribution.

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## Human History

The oldest human artifacts found date to the Paleoindian period and are nearly 12,000 years old. There has been continuous use and occupation of the park since that time. Archaeological evidence from the following prehistoric culture groups is found in Grand Canyon National Park: Paleoindian, Archaic, Basketmaker, Ancestral Puebloan (Kayenta and Virgin branches), Cohonina, Cerbat, Pai, and Southern Paiute. Historical-period cultural groups the Hopi, Navajo, Pai, Southern Paiute, Zuni and Euro-American. The park has recorded nearly 4,300 archaeological resources with intensive survey of approximately six percent of the park area. The park's Traditionally Associated Tribes and historic ethnic groups view management of archaeological resources as preservation of their heritage.

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## Historic Resources

### National Historic Landmarks (as of 3/2014)

Individual Buildings	5
Districts	2

### National Register of Historic Places (as of 3/2014)

Individual Properties	18
Buildings	8
Districts	9
Sites	1

National Register properties include archaeological sites, historic structures, cultural landscapes, and ethnographic resources. Determinations of eligibility have been prepared by both Hopi and Zuni preservation offices identifying elements of the greater Grand Canyon, Colorado River, Bright Angel Creek and Little Colorado River as a Traditional Cultural Property.

List of Classified Structures (LCS): 874 listings. LCS includes National Historic Landmark and National Register programs currently being reviewed.

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## Climate

### South Rim

Mean High Temperature	63°F / 17°C
Mean Low Temperature	35°F / 2°C
Average Annual Precipitation	15.6 in. / 39.6 cm

### North Rim

Mean High Temperature	56°F / 14°C
Mean Low Temperature	30°F / -1°C
Average Annual Precipitation	25.3 in. / 64.3 cm

### Phantom Ranch

Mean High Temperature	82°F / 28°C
Mean Low Temperature	57°F / 14°C
Average Annual Precipitation	8.5 in. / 21.6 cm

Climate in Grand Canyon National Park is relatively mild. However, low humidity generally allows large temperature differences between day and night. Since precipitation totals are low, year-to-year variations can be large (the passage of a few major storms can have a significant impact on the year's total).

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## Visitation

<b>Visitation – 2013</b>	4, 564,840
<b>2013 Shuttle System Passengers</b>	6,135,279 boardings (not passengers)
Year-round shuttle service began March 10, 2000.	
Implemented in 1974, the shuttle system has provided over 158,846,162 rides since its inception.	
<b>2013 Backcountry User Nights</b>	88,038
Corridor	50,265
Other Backcountry Trails	37,010
Number of backcountry permits issued	13,538
Number of backcountry permits used	11,275
<b>2013 Colorado River User Days (Lees Ferry to Diamond Creek)</b>	
Commercial	109,054
Noncommercial	97,682
<b>2013 Mule Trip Riders</b>	
<b>Xanterra (South Rim)</b>	
Abyss Overlook	5,529
Phantom Ranch 1 night	2,209
Phantom Ranch 2 nights	261
Canyon Vistas (New)	1,844
<b>2013 Trail Rides (North Rim)</b>	
1 Hour Rim Ride	2,915
½ Day Inner Canyon Ride	4,088
½ Day Rim Ride	322
<b>2013 Train Passengers</b>	130,191 (North-bound boardings)
<b>Commercial Air Tours</b>	
Commercial Air Tour Flights	55,215*
*2012 numbers reported by FAA	

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**Development****Buildings**

National Park Service	696
Concessioners	535
Total	1,231

**Trails**

Maintained	126 miles / 202.8 km
Established	358 miles / 576.1 km

**Roads**

254 miles / 408.8 km

**Sewage Treatment Facilities**

4

**Trans-canyon Pipeline**

23 miles / 37 km

Water from Roaring Springs to the North and South Rims

**Lodging Units**

South Rim	908
North Rim	218
Phantom Ranch	15

**Rim Campsites**

Mather	317 family, 7 group, 2 hiker/biker, 2 livestock
Desert View	50 family
North Rim	90 family, 3 group
Tuweep	9 family, 1 group
Recreational Vehicle Sites	79

**Visitor Facilities**

Visitor centers/museums/theater, backcountry office, historic structures, scenic overlooks, accessible rim trails, lodging, campgrounds, dump stations, restaurants, cocktail lounges, coffee shop, general stores, gift shops, bookstores, kennel, post office, bank, service stations, clinic, showers and laundry. Some facilities are seasonal.

**Visitor Services**

Educational/environmental exhibits, ranger programs and hikes, Junior Ranger program, curriculum-based education programs, self-guided hikes, publication sales, backpacking, hiking, camping, picnicking, mule riding, guided bus tours, air tours (originating outside the park), shuttle bus service, river trips, bicycling and bike rentals, auto touring, fishing, church services, overnight lodging, food and beverage, gift and grocery sales, banking, postal services, camper services, law enforcement, medical services, fire protection, taxi and seasonal bicycle rentals/tours, auto repair, emergency medical services.

**Concessioners**

In Fiscal Year 2013, 22 concessioners grossed approximately \$160 million and paid franchise and other fees of approximately \$9.7 million.

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**Law Enforcement Activities****Law Enforcement Activities – 2013**

Part I Offenses Investigated	64
Part II Offenses Reported	732
Law Enforcement Jurisdiction	Concurrent

**Emergency Medical Services – 2013**

Emergency Medical Service Incidents	703
Fatalities	8

**Search and Rescue Incidents – 2013**

281

**Fire – 2013**

Structural Fire Incidents and Responses	102
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**Interpretive Services and Activities****Visitor Centers and Contact Stations**

- Grand Canyon Visitor Center
- Verkamp's Visitor Center
- Yavapai Observation Station
- Tusayan Ruin and Museum
- Desert View Visitor Center
- North Rim Visitor Center

**2013 Interpretive Walks, Talks, and Programs**

6,854 presentations to 188,797 visitors

**2013 Environmental Education Programs**1,220 presentations to 32,541 participants  
33,000 Junior Rangers sworn in**2013 Publications**

Park Unigrids/maps 1,469,850

Park Newspaper 2,136,000

All other brochures 164,905

Newspaper available in eight languages.

265 print publications are currently maintained

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**Park Administration****FY 2013 Funding**

ONPS Base Operating Appropriation (ONPS, Operation of the National Park System)	\$ 19,741,200
ONPS Non-base Funding (SEPAS, Special Emphasis Program Allocation)	\$ 1,502,178
FirePro Base	\$ 1,472,465
Line Item Construction	\$ 913,238
Repair & Rehabilitation	\$ 20,000

**Federal Lands Recreation Enhancement Act – 80% portion**

(FY-04)	\$ 13,392,688
(FY-05)	\$ 12,637,171
(FY-06)	\$ 9,792,019
(FY-07)	\$ 15,616,824
(FY-08)	\$ 16,798,553
(FY-09)	\$ 13,973,982
(FY-10)	\$ 13,367,858
(FY-11)	\$ 13,780,061
(FY-12)	\$ 13,972,969
(FY-13)	\$ 14,775,466

**10 Year Total (FY04-13)****\$138,107,591****Federal Lands Highway Program 2011**

\$ 1,300

**Income 2013**

Utilities Reimbursable	\$ 6,144,592
Quarters	\$ 1,862,749
Concession Franchise Fees – 80% Portion (FY2010)	\$ 5,013,296
Filming and Location Fees	\$ 87,760
Donations (monetary)	\$ 591,991
Transportation (Shuttle Busses)	\$ 6,009,724
Other (reimbursable, refundable, etc.)	\$ 1,953,993

**National Park Service Staffing – Fiscal Year 2014**Information and Distribution of all Staff as of 2/2014:  
(Permanent, Term, and Seasonal)

Superintendent's Office	13
Project Management Team	6
Administration	23
Science and Resource Management	90
Concessions Management	11
Planning and Compliance	10
Facility Management	145
Interpretation	47
Visitor and Resource Protection	133
Fire and Aviation Management	35
<b>Total</b>	<b>513</b>

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## Park Neighbors & Cooperators

### Neighbors

#### North:

Arizona Strip Field Office - BLM, AZ  
North Kaibab Ranger District - USFS, Kaibab National Forest, AZ  
Kanab Field Office - BLM, Southern UT  
Pipe Spring National Monument - NPS, AZ  
Coconino County, AZ  
Zion National Park - NPS, UT  
Mohave County, AZ  
Washington County, UT  
Bryce Canyon National Park - NPS, UT  
Garfield County, UT  
Grand Staircase-Escalante National Monument - BLM, UT  
Vermilion Cliffs National Monument - BLM, AZ  
Kaibab Band of Paiute Indians - AZ  
All communities from Marble Canyon to St. George, UT

#### South:

Tusayan Ranger District - USFS, Kaibab National Forest, AZ

#### East:

Glen Canyon National Recreation Area - NPS, AZ / UT  
Navajo Nation, AZ

#### West:

Lake Mead National Recreation Area - NPS, NV / AZ  
Havasupai Tribe, AZ  
Hualapai Tribe, AZ  
Grand Canyon-Parashant National Monument - BLM / NPS, AZ

### Traditionally Associated American Indian Tribes (eleven):

Havasupai Tribe  
Hopi Tribe  
Hualapai Tribe  
Kaibab Band of Paiute Indians  
Las Vegas Band of Paiute Indians  
Moapa Band of Paiute Indians  
Navajo Nation  
Paiute Indian Tribe of Utah  
San Juan Southern Paiute Tribe  
Yavapai-Apache Nation  
The Pueblo of Zuni

### Arizona Congressional Representatives:

Senator John McCain  
Senator Jeff Flake  
First District Representative Ann Kirkpatrick

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## Park Contact Information

**Grand Canyon National Park**  
P.O. Box 129  
Grand Canyon, AZ 86023

**Park Information:**  
(928) 638-7888

**Web Site:**  
[www.nps.gov/grca/](http://www.nps.gov/grca/)

**Superintendent:**  
David Uberuaga

**Media Contact:**  
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