



## Park Profile 2011

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

**Superintendent:**  
David Uberuaga

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

**Media Contact:**  
Maureen Oltrogge  
(928) 638-7779

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

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### Authorization

- 1882 First unsuccessful attempt to establish a Grand Canyon National Park
- 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

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### Park Statistics

**Park Size:** 1,217,403.32 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

The carving of the Grand Canyon by the Colorado River has taken place over the last six million years, exposing rocks at the bottom of the canyon that are close to two billion years old.

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## Plant and Animal Life

Birds	356 species
Mammals	91 species
Fish	17 species
Reptiles and Amphibians	57 species
Crustaceans	33 species
Mollusks	37 species
Invertebrates	8480 known species
Plants (vascular)	1750 species
Mosses	64 species
Lichens	195 species
Fungi	167 species
Endemic Plant Species	9 species
Exotic (non-native) Plant Species	192 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, razorback sucker, roundtail chub, northern leopard frog, Southwestern river otter

### Endangered / Threatened

**Animals:** California condor, humpback chub, southwestern willow flycatcher, Mexican spotted owl, Kanab ambersnail, Yuma clapper rail, and desert tortoise. Two species are candidates for listing under the Endangered Species Act. There are 20 species of special concern, former USFWS Category 2 species and delisted 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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## Archeological Resources

The oldest human artifacts found date to the Paleo-Indian period and are nearly 12,000 years old. There has been continuous use and occupation of the park since that time. Archeological remains from the following culture groups are found in Grand Canyon National Park: Paleo-Indian, Archaic, Basketmaker, Ancestral Puebloan (Kayenta and Virgin branches), Cohonina, Cerbat, Pai, Southern Paiute, Zuni, Hopi, Navajo, and Euro-American. The park has recorded nearly 4,300 archeological resources with an intensive survey of over 5 percent of the park area. The park's 11 Traditionally Associated Tribes and historic ethnic groups view management of archeological resources as preservation of their heritage.

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## Historic Structures

### National Historic Landmarks

Individual Buildings	5
Districts	2

**Buildings:** El Tovar, Grand Canyon Depot, Grand Canyon Lodge, Grand Canyon Park Operations Building (also known as Ranger Operations) and Grand Canyon Power House

**Districts:** Grand Canyon Village (257 contributing properties) and Mary Jane Colter Buildings

### National Register of Historic Places

Individual Properties	9
Individual Structures	1
Districts	8
Archeological Site	1

Determinations of eligibility have been received for an additional 14 structures and districts and 316 archeological sites; and nominations for ten trails are pending for inclusion on the National Register of Historic Places.

List of Classified Structures (LCS): 874 listings. LCS is inclusive of the 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	36°F / 2°C
Average Annual Precipitation	15.6 in. / 39.6 cm

**North Rim**

Mean High Temperature	57°F / 14°C
Mean Low Temperature	31°F / -1°C
Average Annual Precipitation	25.3 in. / 64.3 cm

**Phantom Ranch**

Mean High Temperature	81°F / 27°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 – 2010</b>	4,470,265
<b>2010 Shuttle System Passengers</b>	5,347,994 boardings (not passengers)
Year-round shuttle service began March 10, 2000.	
Implemented in 1974, the shuttle system has provided over 93,087,722 rides since its inception.	
<b>2010 Backcountry User Nights</b>	91,085
Corridor	51,899
Other Backcountry Trails	39,159
Number of backcountry permits issued	13,228
Number of backcountry permits used	11,727
<b>2010 Colorado River User Days (Lees Ferry to Diamond Creek)</b>	
Commercial	101,137
Noncommercial	99,706
<b>2010 Mule Trip Riders</b>	
<b>Xanterra (South Rim)</b>	
Abyss Overlook	7036
Phantom Ranch 1 night	2483
Phantom Ranch 2 nights	258
<b>2010 Trail Rides (North Rim)</b>	
1 Hour Rim Ride	2440
½ Day Inner Canyon Ride	4384
½ Day Rim Ride	271
<b>2010 Train Passengers</b>	165,157 (North-bound boardings)
Commercial Air Tour Passengers (Industry Figures)	642,000*
Commercial Air Tour Flights (Industry Figures)	90,000*

\*Note: Commercial air tour operations reported by the industry to the FAA between May 1, 1997 and April 30, 1998.

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**Development****Buildings**

National Park Service	622
Concessioners	548
Total	1170

**Trails**

Maintained	144 miles / 82.1 km
Total	588 miles / 946.29 km

**Roads**

228 miles / 336.93 km

**Sewage Treatment Facilities**

4

**Inner Trans-canyon Pipeline**

23 miles / 37 km

Water from Roaring Springs to the North and South Rims

**Lodging Units**

South Rim	907
North Rim	218
Phantom Ranch	14

**Recreational Vehicle Sites**

79

**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

**Visitor Facilities**

Visitor centers/museums, backcountry office, historic structures, scenic overlooks, rim trails, overnight lodging, campgrounds, dump stations, restaurants, cocktail lounges, general stores, gift shops, bookstores, kennel, post office, bank, service stations, medical clinic, showers and laundry. Some facilities operate seasonally.

**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, ambulance, fire protection, and taxi.

**Concessioners**

In Fiscal Year 2009, 21 concessioners grossed approximately \$145 million and paid franchise and other fees of approximately \$8.3 million.

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**Law Enforcement Activities****Law Enforcement Activities – 2010**

Part I Offenses Investigated	106
Part II Offenses Reported	5342
Law Enforcement Jurisdiction	Concurrent

**Emergency Medical Services – 2010**

Emergency Medical Service Incidents	1294
Fatalities	15

**Search and Rescue Incidents – 2010**

286

**Fire – 2010**

Structural Fire Incidents and Responses	58
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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

**2010 Interpretive Walks, Talks, and Programs**

5741 presentations to 180,390 visitors

**2010 Environmental Education Programs**638 presentations to 20,352 students  
30,000 Junior Rangers sworn in**2010 Publications**Park Brochures 1.5 million  
Park Newspaper 1.8 million  
(Newspaper available in English, French, German,  
Italian, Japanese, Spanish, Chinese, Korean)

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**Park Administration****FY 2010 Funding**

ONPS Base Operating Appropriation (ONPS, Operation of the National Park System)	\$ 22,376,900
ONPS Non-base Funding (SEPAS, Special Emphasis Program Allocation)	\$ 1,561,597
ONPS Other Miscellaneous Allocations (Other miscellaneous allocations)	\$ 1,611,547
Equipment Replacement	\$ 0
FirePro Base	\$ 2,239,998
ARRA, American Recovery and Reinvestment Act	\$ 4,781,182

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

(FY-01)	\$ 17,772,656
(FY-02)	\$ 15,133,000
(FY-03)	\$ 12,646,480
(FY-04)	\$ 17,327,066
(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

**10 Year Total (FY01 – FY10)****\$145,005,609****Federal Lands Highway Program 2010**

\$ 520,290

**Income 2010**

Utilities Reimbursable	\$ 4,887,690
Quarters	\$ 1,617,919
Concession Franchise Fees – 80% Portion (FY2010)	\$ 6,622,426
Donations (monetary)	\$ 335,685
Transportation (Shuttle Busses)	\$ 5,757,204
Other (reimbursable, refundable, etc.)	\$ 2,143,007

**National Park Service Staffing – Fiscal Year 2010****FTE (Full Time Equivalency) Information and Distribution:**

Superintendent's Office	12
Project Management Team	6
Administration	40
Science and Resource Management	49
Concessions Management	10
North Rim	0
Planning and Compliance	10
Facility Management	131
Interpretation	55
Visitor and Resource Protection	130
Fire and Aviation Management	34
<b>Total FY 2010 FTE distributed park-wide</b>	<b>478</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:

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 Jon Kyl  
First District Representative Paul Gosar