



Park Profile 2007

Park Contact Information **Grand Canyon National Park**
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Grand Canyon, AZ 86023

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www.nps.gov/grca

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 Designation of 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 Designation as a World Heritage Site on October 26

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 / 433 km
Width	
Minimum (Marble Canyon)	600 feet / 180 meters / 18,000 cm
Average Rim to Rim	10 miles / 16 km
Maximum Rim to Rim	18 miles / 28.81 km
Average Depth	1 mile / 1.6 km
Rim Elevations	
South Rim	7,000 feet / 2100 m / 210,000 cm
North Rim	8,000 feet / 2400 m / 240,000 cm
Lake Mead Boundary	1,200 feet / 360 m / 36,000 cm

Volume

Cubic Yards	5.45 trillion
Cubic Meters	4.17 trillion

"The Colorado River" (within Grand Canyon National Park)

Length	277 miles / 443 km
Average Width:	300 feet / 90 m / 9,000 cm
Minimum Width	76 feet / 23 m / 2,280 cm
Average Depth	40 feet / 12 m / 1,200 cm
Greatest Depth	85 feet / 25.5 m / 12,550 cm
Average Gradient	7 feet per mile / 12 m / 1.6 km
Elevation at Phantom Ranch	2,400 feet / 720 m / 72,000 cm

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.

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.

Plant and Animal Life

Birds	373 Species
Mammals	91 Species
Fish	17 Species
Reptiles and Amphibians	57 Species
Crustaceans	33 Species
Mollusks	37 Species
Invertebrates	8,480 (known species)

Plants (flowering or vascular)	1737 Species
Mosses	64 Species
Lichens	195 Species
Fungi	167 Species
Endemic Species	12 Species
Exotic non-native	171 Species
Vegetation Formations	6 Types
(Includes forest, woodland, scrubland, grassland, desert land, wetland, and riparian)	

Extirpated Species

Grizzly bear, Black footed ferret, Gray wolf, Jaguar, Bear valley sandwort, Colorado pike minnow, Bony tail chub, Razorback sucker, Round tail chub, Northern leopard frog.

Endangered / Threatened

Animals: California condor, Humpback chub, Southwestern willow flycatcher, Razorback sucker, Mexican spotted owl, Kanab ambersnail, Little Colorado River spinedace, Yuma clapper rail, Desert Tortoise and Bald eagle. There are over 35 species of former USFWS Category 2 and Species of Special Concern.

Plants: The sentry milk vetch (*Astragalus cremnophylax* var. *cremnophylax*) is the only endangered plant in the park. There are no listed threatened plant species. Seven species of special concern (formerly category 2 species) are known.

Archeological Resources

The oldest human artifacts found are nearly 12,000 years old and date to the Paleo-Indian period. 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, Zuni, Hopi, Navajo, and Euro-American. The park has recorded over 4,800 archeological resources with an intensive survey of nearly 3% of the park area.

Historic Structures

National Historic Landmarks

Individual Buildings	9
Districts (377 Buildings)	3

The Grand Canyon Village was listed as a National Historic Landmark District consisting of 257 contributing properties.

National Register of Historic Places

Individual Structures	9
Districts (336 structures)	6

Determinations of eligibility have been received for an additional 44 buildings and structures, and nominations are pending for inclusion on the National Register of Historic Places for nine trails.

Determination of eligibility for inclusion on the National Register of Historic Places has been received for 323 archaeological sites along the Colorado River.

List of Classified Structures (LCS): 875 listings LCS is inclusive of the National Historic Landmark and National Register programs currently being reviewed.

Climate**South Rim**

Mean High Temperature	85°F / 29°C
Mean Low Temperature	18°F / -7°C
Average Annual Precipitation	26 in. / .66 m / 66 cm

North Rim

Mean High Temperature	77°F / 25°C
Mean Low Temperature	15°F / -9°C
Average Annual Precipitation	40 in. / 1 m / 100 cm

Phantom Ranch

Mean High Temperature	105°F / 40°C
Mean Low Temperature	38°F / 3°C
Average Annual Precipitation	8 in. / .2 m / 20cm

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).

Visitation

Visitation – 2006 4,356,144

2006 Shuttle System Passengers 4,586,496

Year-round shuttle service began March 10, 2000.

Implemented in 1974, the shuttle system has provided over 83,137,631 rides since its inception.

2006 Backcountry Night Users 84,919

Corridor 48,225

Other Backcountry Trails 36,694

Approximate number of backcountry permits issued 11,131

2006 Colorado River Day Users

(As outlined in the Colorado River Management Plan of 1989)

Commercial 115,500

Noncommercial 54,450

2006 Mule Trip Riders**Xanterra (South Rim)**

Plateau Point 4720

Phantom Ranch 1 night 3018

Phantom Ranch 2 nights 216

2006 Trail Rides (North Rim)

1 Hour Ride 1852

3 Hour Ride (1/2 day ride) 3370

All Day Ride 598

2006 Train Passengers 238,380

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.

Development**Buildings**

National Park Service	589
Concessionaire	553
Total	1,142

Trails

Maintained	51 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	917
North Rim	203
Phantom Ranch	15

Recreational Vehicle Sites

70

Rim Campsites

Mather	316 family, 7 group, 3 hiker/biker
Desert View	50 family
North Rim	83 family, 4 group
Tuweep	10 family, 1 group

Visitor Facilities

Visitor center / museums, backcountry office, historic structures, scenic overlooks, rim trails, overnight lodging, trailer sites, dump stations, tent campsites, restaurants, cocktail lounges, general stores, gift shops, bookstores, kennel, post office, bank, service stations, dentist, medical clinic, showers and laundry. Some facilities may 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, auto touring, fishing, church services, law enforcement, medical services, ambulance, fire protection, and taxi.

Concessioners

In 2005, the last year for which complete figures are available, 22 concessioners grossed approximately \$127.9 million and paid franchise and other fees of approximately \$7.9 million.

Law Enforcement Activities**Law Enforcement Activities – 2006**

Part I Offenses Investigated	155
Part II Offenses Reported	1189
Law Enforcement Jurisdiction	Concurrent

Emergency Medical Services – 2006

Emergency Medical Service Incidents	1278
Fatalities	13

Search and Rescue Incidents – 2006

249

Fire – 2006

Structural Fire Responses	71
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Park Administration

FY 2006 Funding	
ONPS Base Operating Appropriation (ONPS, Operation of the National Park System)	\$19,067,600
SEPAS Project Funding (SEPAS, Special Emphasis Program Allocation)	\$633,222
Equipment Replacement	\$547,962
Fire pro Base	\$1,801,830
80% Recreation Fee Demonstration Revenue Returned	
(FY-97)	\$5,878,100
(FY-98)	\$17,576,200
(FY-99)	\$19,083,000
(FY-00)	\$18,952,900
(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
Total (FY 97-FY06)	\$146,798,592
Federal Lands Highway Program	\$96,000
Income	
Utilities Reimbursable	\$4,319,605
Quarters	\$1,250,222
Concession Franchise Fees – 80% Portion (2006)	\$4,074,477
Donations (monetary)	\$303,163
Other (reimbursable, refundable, etc.)	\$2,924,865
National Park Service Staffing – Fiscal Year 2006	
FTE (Full Time Equivalency) Information and Distribution:	
Superintendent's Office	11
Project Management Team	5
Administration	38
Science Center	41
Concessions	6
North Rim	26
Planning & Compliance	9
Maintenance	111
Interpretation	38
Protection	105
Fire	25
Total FY 2006 FTE Distributed Park wide	415

Park Neighbors & Cooperators

Neighbors

North:

Arizona Strip Field Office - BLM
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

Affiliated 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 Rick Renzi