



Park Profile 2010

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 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: 1,217,403.32 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.

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 (vascular)	1750 species
Mosses	64 species
Lichens	195 species
Fungi	167 species
Endemic Species	9 species
Exotic (non-native)	191 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

Endangered / Threatened

Animals: California condor, humpback chub, southwestern willow flycatcher, razorback sucker, Mexican spotted owl, Kanab ambersnail, Little Colorado River spinedace, 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.

Archaeological 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. Archaeological 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 archaeological resources with an intensive survey of over 5 percent of the park area. The park's 11 Affiliated American Indian Tribes and historic ethnic groups view management of archeological resources as preservation of their heritage.

Historic Structures

National Historic Landmarks

Individual Buildings	4
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	10
Districts (336 structures)	6

Determinations of eligibility have been received for an additional 14 structures and districts, and nominations are pending for inclusion on the National Register of Historic Places for ten 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): 898 listings LCS is inclusive of the National Historic Landmark and National Register programs currently being reviewed.

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 / 13°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).

Visitation

Visitation – 2009	4,418,773
2009 Shuttle System Passengers	4,602,097 boardings (not passengers)
Year-round shuttle service began March 10, 2000.	
Implemented in 1974, the shuttle system has provided over 87,739,728 rides since its inception.	
In 2008, for the second year in a row, the park ran an experimental shuttle route to the gateway community of Tusayan.	
2009 Backcountry User Nights	92,790
Corridor	51,575
Other Backcountry Trails	41,215
Number of backcountry permits issued	13,616
Number of backcountry permits used	12,191
2009 Colorado River Day Users (Lees Ferry to Diamond Creek)	
Commercial	102,848
Noncommercial	101,985
2009 Mule Trip Riders	
Xanterra (South Rim)	
Abyss Overlook	840
Plateau Point	3138
Phantom Ranch 1 night	3120
Phantom Ranch 2 nights	291
2009 Trail Rides (North Rim)	
1 Hour Ride Rim Ride	2526
3 Hour Canyon Ride	4351
½ Day Rim Ride	145
*Note: Construction on the South and North Kaibab Trails constrained stock use of corridor trails and new rim rides were offered as an alternative.	
2009 Train Passengers	144,866 (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.	

Development**Buildings**

National Park Service	602
Concessioners	557
Total	1,159

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	203
Phantom Ranch	15

Recreational Vehicle Sites

80

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 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, 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, 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 \$140 million and paid franchise and other fees of approximately \$8.8 million.

Law Enforcement Activities**Law Enforcement Activities – 2009**

Part I Offenses Investigated	107
Part II Offenses Reported	1712
Law Enforcement Jurisdiction	Concurrent

Emergency Medical Services – 2009

Emergency Medical Service Incidents	1371
Fatalities	16

Search and Rescue Incidents – 2009

306

Fire – 2009

Structural Fire Incidents and Responses	65
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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 Bookstore/Park Information
- North Rim Visitor Center

2009 Interpretive Walks, Talks, and Programs

7071 presentations to 228,971 visitors

2009 Environmental Education Programs541 presentations to 15,632 students
9,894 Junior Ranger sworn in**2009 Publications**Park Brochures 1.5 million
Park Newspaper 1.7 million
(Newspaper available in English, French, German,
Italian, Japanese, Spanish, Chinese, Korean)

Park Administration**FY 2009 Funding**

ONPS Base Operating Appropriation (ONPS, Operation of the National Park System)	\$ 21,865,899
ONPS Non-base Funding (SEPAS, Special Emphasis Program Allocation)	\$ 611,517
ONPS Non-base Funding (Other miscellaneous allocations)	\$ 580,614
Equipment Replacement	\$ 122,618
FirePro Base	\$ 3,040,661
ARRA, American Recovery and Reinvestment Act	\$ 9,754,867

Federal Lands Recreation Enhancement Act – 80% portion

(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
(FY-07)	\$ 15,616,824
(FY-08)	\$ 16,798,553
(FY-09)	\$ 13,973,982

10 Year Total (FY00 - FY09)**\$150,650,651****Federal Lands Highway Program 2009**

\$ 683,317

Income 2009

Utilities Reimbursable	\$ 5,193,862
Quarters	\$ 1,725,653
Concession Franchise Fees – 80% Portion (FY2009)	\$ 5,402,950
Donations (monetary)	\$ 1,761,684
Transportation (Shuttle Busses)	\$ 4,669,933
Other (reimbursable, refundable, etc.)	\$ 2,860,601

National Park Service Staffing – Fiscal Year 2009**FTE (Full Time Equivalency) Information and Distribution:**

Superintendent's Office	15
Project Management Team	7
Administration	41
Science and Resource Management	50
Concessions Management	11
North Rim	2
Planning & Compliance	12
Facility Management	130
Interpretation	55
Visitor and Resource Protection	122
Fire and Aviation Management	29
Total FY 2009 FTE distributed park-wide	470

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

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 Ann Kirkpatrick