



2016 Park Profile



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

Grand Canyon National Park

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

Length: 277 river miles (446 km)

Width: Minimum at Marble Canyon 600 feet (180m)
Average Rim to Rim 10 miles (16 km)
Maximum Rim to Rim 18 miles (28.8 km)

Depth: Average 1 mile (1.6 km)

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

Colorado River in 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

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.



Plant and Animal Life

Animals

- Birds: 373 species
- Mammals: 91 species
- Fish: 18 species, 5 native
- Reptiles and Amphibians: 58 species
- Invertebrates: 8,480 known species
- Exotic (non-native) Animals: 23 species
- Endemic Animals: 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 Plants: 1,750 species
- Endemic Plant: 4 species
- Exotic (non-native) Plants: 205 Species

Vegetation Formations

6 types; riparian, desert scrub, pinyon /juniper woodland, ponderosa pine forest, spruce / fir forest, and montane meadows / sub-alpine.

Endangered / Threatened

Animals: California condor, humpback chub, razorback sucker, southwestern willow flycatcher, Mexican spotted owl, yellow-billed cuckoo, 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.

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.



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 more than 4,403 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.



Historic Resources

National Historic Landmarks

Individual Buildings: 4
Districts: 3
Site: 1

National Register of Historic Places

Individual Properties: 18
Buildings: 8
Districts: 10
Sites: 2



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 listed or eligible properties.

Climate

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.

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)
Total Precipitation in 2016: 22.4 in. (56.9 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)
Total Precipitation in 2016: 25.5 in. (64.7 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)
Total Precipitation in 2016: 10.3 in. (26.2 cm)

2016 Visitation

Shuttle System Passengers

7,358,095 boardings (not passengers)
Year-round shuttle service began March 10, 2000
Implemented in 1974, the shuttle system has provided over 165,740,177 rides since its inception.

Backcountry User Nights

Total: 98,013
Corridor: 55,302
Other Backcountry Trails: 39,703
Backcountry permits issued: 15,186
Backcountry permits used: 13,386

Colorado River User Days

Lees Ferry to Diamond Creek
Commercial: 115,228
Noncommercial: 109,291
Diamond Creek to Lake Mead
Noncommercial: 7,197

Mule Trip Riders

Xanterra, South Rim
Phantom Ranch 1 night: 2,247
Phantom Ranch 2 nights: 342
Canyon Vistas: 10,407
Trail Rides, North Rim
One Hour Rim Ride: 3,353
Half Day Inner Canyon Ride: 4,751
Half Day Rim Ride: 918

Train Passengers

North-bound boardings
Total: 176,050

Commercial Air Tours

2015 numbers reported by FAA
Commercial Air Tour Flights: 119,897

2016 Law Enforcement Activities

Law Enforcement Activities

Part I Offenses Investigated: 42
Part II Offenses Reported: 1,137
Law Enforcement Jurisdiction: Concurrent

Emergency Medical Services

Emergency Medical Service Incidents: 1,202
Fatalities: 16

Search and Rescue Incidents

Total: 293

Structural Fire Incidents and Responses

Total: 53

Wildland Fire Incidents and Treatments

Fire Starts Incidents: 21
Acres treated with fire: 9,544
Acres of defensible space treated: 245

2016 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
Kolb Studio

Interpretive Walks, Talks, and Programs

4,979 presentations to 526,074 visitors

Environmental Education Programs

709 presentations to 22,317 participants
31,800 Junior Rangers sworn in

Publications

246 print publications currently maintained
Park Unigrids/maps: 1,305,250
Pocket Map and Services Guide: 2,282,000
All other brochures: 753,384
Pocket Map and Services Guide available in eight languages.



Development

Buildings

Total: 1,232
National Park Service: 697
Concessioners: 535

Trails

Maintained: 126 miles (202.8 km)
Established: 358 miles (576.1 km)

Roads

Total: 254 miles (408.8 km)

Sewage Treatment Facilities

Total: 4

Trans-canyon Pipeline

Water from Roaring Springs to the North and South rims

Total: 23 miles (37 km)

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

Total: 79

Visitor Facilities and Services

Visitor centers | Museums | Theaters | Backcountry office
Historic structures | Scenic overlooks | Accessible rim trails
Lodging | Campgrounds | Dump stations | Service stations
Restaurants | Cocktail lounge | Coffee shop
General store | Gift shops | Bookstores
Clinic | Bank | Post Office | Church | Kennel
Some facilities are seasonal.

Services

Educational exhibits | Curriculum-based education programs
Jr. Ranger programs | Ranger programs and hikes
Picnicking | Bicycling and bike rentals | Self-guided hikes
Mule riding | Backpacking | Fishing | River trips
Overnight lodging | Camping | Camper services
Guided bus tours | Air tours (outside of park)
Shuttle bus service | Taxi | Auto repair
Publication sales | Gift and grocery sales
Law enforcement | Medical and emergency services

Concessioners

In Fiscal Year 2016, 22 concessioners grossed approximately \$178 million and paid franchise and other fees of approximately \$16.7 million.



Administration

FY 2016 Funding

(ONPS, Operation of the National Park System)
ONPS Base Operating Appropriation: \$21,262,600
ONPS Base for other Purposes: \$110,060
ONPS Non-base Funding: \$3,110,097
(SEPAS, Special Emphasis Program Allocation)
FirePro Base: \$1,787,146
Construction and Major Maintenance: \$253,383
Repair and Rehabilitation: \$1,060,676

Federal Lands Recreation Enhancement Act— 80% portion

(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
(FY14) \$8,407,057 (collections reduced by LSI buy down)
(FY15) \$18,361,846
(FY16) \$15,215,281 (collections reduced by Pipeline reserve)

10 Year Total (FY07-16) \$144,269,897

Federal Lands Transportation Program: \$677,904

Income 2016

Utilities Reimbursable: \$5,184,851
Quarters: \$1,762,647
Concession Franchise Fees—
20% Portion: \$2,489,998
Filming and Location Fees: \$25,406
Donations (monetary): \$458,880
Transportation (Shuttle Buses): \$7,991,557
Other (reimbursable, refundable, etc.): \$2,805,756

National Park Service Staffing – Fiscal Year 2016

Information and distribution of all staff (Permanent, Term, and Seasonal)
as of November 2016:

Superintendent's Office: 6
Project Management Team: 3
Administration: 23
Science and Resource Management: 64
Concessions Management: 13
Planning and Compliance: 8
Facility Management: 128
Interpretation: 49
Visitor and Resource Protection: 128
Fire and Aviation Management: 29
Total : 451

Neighbors

Coconino County-AZ
Flagstaff-AZ
Glen Canyon National Recreation Area- AZ / UT
Grand Canyon-Parashant National Monument-AZ
Jacob Lake-AZ
Kanab-UT
Lake Mead National Recreation Area-AZ
Mohave County-AZ
Tusayan-AZ
Vermilion Cliffs National Monument-AZ
Williams-AZ
Valley of Fire State Park-NV
Garfield County-UT
Grand Staircase-Escalante National Monument-UT
Kane County-UT
Washington County-UT

Cooperators

Arizona Strip Field Office-AZ
Arizona Game and Fish Department-AZ
Flagstaff Area National Monuments-AZ
Kaibab National Forest-AZ
Pipe Spring National Monument-AZ
Bryce Canyon National Park-UT
Kanab Field Office-UT
Zion National Park-UT

11 Traditionally Associated American Indian Tribes

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

Arizona Congressional Representatives

Senator John McCain
Senator Jeff Flake
First District Representative Tom O'Halleran



National Park Service
U.S. Department of the Interior

Superintendent

Christine Lehnertz

Media Contact:

Kirby-Lynn Shedlowski
928-638-7958

Park Information

928-638-7888

Website

www.nps.gov/grca/

Grand Canyon National Park
PO Box 129
Grand Canyon, AZ 86023-0129 USA



Grand Canyon National Park

Located in northern Arizona, the park encompasses 277 miles (446 km) of the Colorado River and adjacent uplands. One of the most spectacular examples of erosion anywhere in the world, Grand Canyon is unmatched in the incomparable vistas it offers visitors on the rim. Grand Canyon National Park is a World Heritage Site.

The National Park Service cares for the special places saved by the American people so that all may experience our heritage.

