

of what is now Zion National Park for thousands of years. Zion's first residents tracked mammoths, camels, and other mammals though open desert and sheltered canyons. With climate change, disease, and overhunting, these animals died out 8,000 years ago. Hunters adapted by hunting smaller animals and gathering food. As resources kept diminishing, people adjusted to suit their location. One desert culture, evident here still,

evolved over the next 1,500 years as

a community of farmers now known

People have occupied the landscape

as Ancestral Puebloans. The diverse geological setting gave them a combination rare in deserts: terraces to grow food, a river for water, and an adequate growing season. On the Colorado Plateau, crops grow best between 5,000 and 7,000 feet of elevation, which makes Zion's elevations nearly ideal. But drought, resource depletion, and migrations eventually decreased the Ancestral Puebloans' dominance. The Southern Paiute people who followed brought traditions suited to the harsh desert climate and thrived here.

Westward expansion eventually brought new settlers to the canyon. In the 1860s, early Mormon pioneers came to the region and built small communities and farmed the river terraces. Through hard work and faith, the new residents endured in a landscape where flash floods destroyed towns and drought burned crops. The same threats exist today, but Zion daily draws new explorers to experience the beauty and the sanctuary of this place that countless

generations have considered home.





Thomas Moran captured the majesty of Zion Canyon (left) that sparked making it a park and a premier American vacation destination (far left in 1929). Water both fashions beauty and supports the richness that makes Zion such a haven of habitats.

In the 1800s, popular artist

Zion's Natural Diversity

The Nature of Sanctuary

Tucked in niches, hidden in soil, peeking from cliffs, or scampering between our feet, an amazing array of plants and animals thrive in Zion National Park. Tiny piñon mice, golden eagles, mountain lions—all thrive in Zion's many habitats. Park elevations range from 3,600 to 8,700 feet and provide vastly different environments. Fir, ponderosa pine, and aspen prefer snowy highcountry winters, while piñon, cliffrose, and mesquite flourish in the desert's heat.

Water, and the lack of it, decides what grows where. On the plateau, above the canyon rim, annual precipitation tops 26 inches. In this relatively cool and moist environment, sego lilies sprout under greenleaf manzanita, yellowbellied marmots scurry between white fir, and elk mix with an occasional black bear. Here the Virgin River begins in an underground cavern of melted snow.

In the desert over 500 times more species are found at water sources than in the surrounding arid country. The Virgin River's perennial waters give life to an overstory of Fremont cottonwood, singleleaf ash, and boxelder. The rare Zion snail lives only in Zion's isolated hanging gardens that grow lush with maidenhair fern, scarlet monkeyflower, and golden columbine. Canyon treefrogs bleat while campers sleep, and great blue herons wade the river's currents. When summer monsoons send flash floods roaring down canyon, it's a testimony to evolution that anything survives.

That's also true away from the river, where aridity has real meaning. Zion Canyon's annual precipitation may total a mere 15 inches.

At the lowest elevations, Mojave Desert species—desert tortoise and honey mesquite infiltrate Zion's dry, south-facing canyons. At mid-elevations, Great Basin Desert species like shadscale and big sagebrush mingle with the Colorado Plateau's bigtooth maple and Utah juniper. Zion's biotic diversity is the result of these three communities coming together in one location.

Part of Zion's uniqueness comes from its geology. Great Basin and Mojave Desert soils tend to be similar over great distances. But Zion's stacked prehistoric environments erode into many soils. The Chinle Formation's ancient lakes and volcanic ash, for example, corrode into a soil rich in the poisonous mineral selenium. Specialized plants like prince's plume and milkvetch (also known as locoweed from the effects of its selenium-infused leaves) grow on such odd soils and increase Zion's diversity. Individual and unconnected canyons also increase diversity because isolation can lead to variation among species.

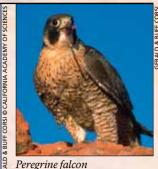
This national park is beautiful but not pristine. Research shows that 150 years of farming, grazing, and recreation changed Zion's environment. Exotic species like tamarisk and cheatgrass replace native willow and native grasses. It is the mission of the National Park Service to provide sanctuary for and reinvigorate Zion's remaining diversity. Although most park species are not unusual and much has changed, these unique assemblages create and sustain the relevance and sanctity of this wondrous place called Zion.











CANYON











RIVER





A crack in Navajo sandstone affords a home for this blooming Indian paintbrush (background photo). © WILLIAM NEILL / LARRY ULRICH STOCK





A human body is no match for floodwaters that rampage through narrow canyons, pushing a raft of boulders and logs (left).

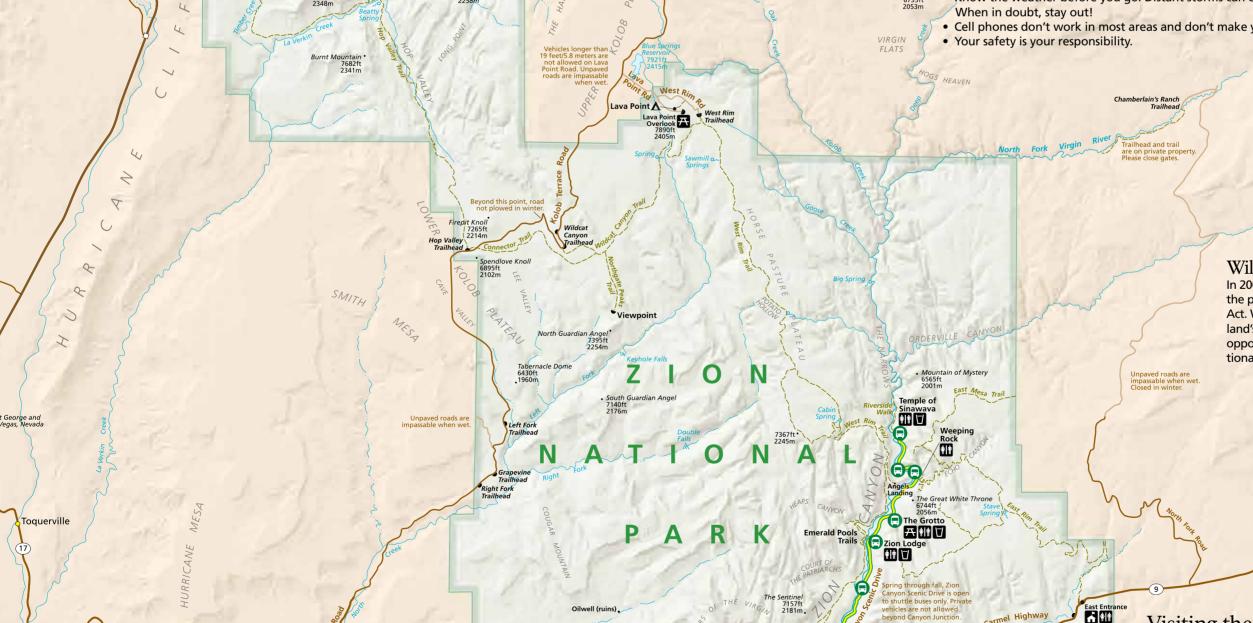
Know the weather and flash flood potential before your trip. If bad weather threatens, do not enter narrow canyons.

 Plan your trip. Choose trails that are within your ability. Falls cause most injuries and deaths at Zion. Carry and drink one gallon of water per person per day.

· Wear a hat, sunglasses, and sunscreen.

Avoid or get off high places when lightning threatens. Know the weather before you go. Distant storms can cause flash floods. When in doubt, stay out!

Cell phones don't work in most areas and don't make you invincible.



South Entrance South

Zion Canyon Visitor Center

Wilderness

In 2009, Congress protected nearly 84 percent of the park as wilderness under the 1964 Wilderness Act. Wilderness designation protects forever the land's wilderness character, natural conditions, opportunities for solitude, and scientific, educational, and historical values.

> To 89 at Mt Carmel Junction north to Bryce Canyon National Park; outh to Kanab, Grand Canyon

Visiting the Park

Zion Canyon Visitor Center is open year-round. A 22-minute orientation film is shown regularly at the Zion Human History Museum. Spring through fall, Zion Canyon Scenic Drive is open to shuttle buses only. Check the park website (see below) or the park newspapers for dates and times: Map and Guide and Backcountry Planner are available at the entrance gate, visitor centers, and on the park website. Service animals are welcome. For firearms regulations visit the park website or ask a ranger.

Zion is one of over 390 parks in the National Park System. To learn more about parks and National Park Service programs in America's communities, visit www.nps.gov.

More Information

Zion National Park Springdale, Utah 84767-1099 435-772-3256 www.nps.gov/zion

Springdale shuttle route Spring through fall, Zion Canyon Scenic Drive is open to shuttle buses only. Park your car and ride the shuttle

Shuttle Information

La Verkir

Overlook/parking

Other Visitor Information

Ranger station Restrooms Restrooms

A Picnic area

A Campground