America's First Playground

STRIKING LANDSCAPES AND BRILLIANT BLUE WATER await you at Lake Mead National Recreation Area. From the time Hoover Dam was completed in 1936, Lake Mead's cool waters have drawn people looking for relaxation and fun in the desert. Lake Mohave joined the complex when Davis Dam was completed in 1951. And in 1964, both lakes became part of the first national recreation area in the National Park Service. Today 1.5 million acres attract over six million people each year.

MODERN EXPLORERS find solitude and beauty any time of year. Hot weather beckons you to the lakes, where you can fish, swim, and boat to less-visited sites. Cooler weather entices you to explore the Mojave Desert on foot, using established trails or traveling crosscountry. The park's website (www.nps.gov/lake) offers many ideas for your adventures.



Nine wilderness areas await your exploration. Some, like Muddy Mountains Wilderness, extend beyond the

park. This hiker is looking into the park's "Bowl of Fire." Lake Mead shimmers in the distance.

This fabulous playground spreads across a landscape exposing the geologic history of Earth. You can see billion-year-old rocks, lava that flowed millions of years ago, and the remains of ancient seas. Other national parks have some of these geologic features, but at Lake Mead National Recreation Area the rangers say you can see "millions of years in one place."

Across it all lies the Mojave Desert, a dry land full of plants and animals that have adapted to thrive with little water. The desert makes up 87 percent of the park; the rest is water.

Lakes Mead and Mohave hold more than four trillion gallons of water, most of it coming from the Colorado River. Lake Mead is the largest and one of the cleanest reservoirs in North America. Over 25 million people depend on this lake for their drinking

FORTIFICATION HILL, a dark volcanic plateau, dominates many views from the shore of Boulder Basin. Behind it, Wilson Ridge rises to 5,455 feet. The

light-colored "bathtub ring" marks Lake Mead's historic high water leve in 1983. The lake level continuously

This unusual combination of desert and water is home to 900 species of plants and 500 species of animals, including 24 that are rare and threatened. Plants of one kind or another bloom throughout the year. As you notice the diversity of life, think about how they manage to survive.

Eight developed visitor areas welcome you with a variety of services like marinas, docks, restaurants, and campgrounds. Enjoy ranger-led hikes and programs. Explore nine wilderness areas and miles of undeveloped lakeshore. They provide places of solitude, quiet, and beauty that will refresh and delight you.

COLLARED LIZARD

Life at Lake Mead



The ZEBRA-TAILED LIZARD (above) and collared lizard (above, far right) are among the 19 species of lizards living in the park. They are active when the temperature is



This COYOTE will likely wait for cooler evening temperatures to look for food. Desert coyotes are about half the size of other



HEDGEHOG CACTUS forms barrels covered with spines. The flowers bloom in spring and vary from this magenta to a deep red This cactus is often seen in the Mojave



Look for the GREAT EGRET standing in shallow water, waiting for a frog, fish, or other aquatic animal to move. When a prey moves, the egret stabs the water with its sharp beak and swallows a meal.



A GOLDEN EAGLE lifts off when BIGHORN RAMS clamber into sight. Like all bighorn sheep, desert bighorns have concave hooves that can grip rocks, allowing the sheep to scramble up steep terrain.



Watch out for NOTCH-LEAF PHACELIA. Its sticky hairs might give you a rash. Those hairs filter the intense desert sunlight, reeping the plant cooler and conserving

A Hard Place with Soft Edges

To describe the how and why of the rocks here, geologists use words like crash, strike, smash, collide. Massive blocks of Earth's crust have broken apart, crashed together, slipped past each other, spread apart, and been forced up or down thousands of feet. The heat of magma (molten rock) deep below the surface powers this action, which has been ongoing for almost two billion years.

The softer action of seas and lakes also has been changing the surface of this land. Vast, shallow seas moved in and away. Lakes rose and evaporated.

Each left behind layers of sediment that hardened into rock. The only lakes now are the two that humans have created.

These new lakes, Mead and Mohave, continue to change this landscape. As lake waters soften canyon walls, the rocks erode. Sediment drops to the bottoms of the lakes.

As you explore Lake Mead country, consider how rock and water have created this land of hard places and soft edges.



I would defy anyone to make a journey by boat through those still, weird chasms and down that yet mysterious River, and not be brought under by their influence. —John Wesley Powell

COLORADO RIVER

HIDDEN RIVER From its snowy beginnings in the Rockies, the Colorado River runs more than 800 miles before flowing out of the Grand Canyon into lakes Mead and Mohave. The lakes rise hundreds of feet above the old riverbed, which is still the border between Arizona and Nevada. Davis Dam, at the park's southern edge, releases the river to flow south toward

SHARP TURN SOUTH Just above where Hoover Dam is today, the Colorado River took a sharp turn south. This marks a place where two massive faults meet. In five million years, which is a blip of geologic time, the Colorado cut through 1.3 billion years of rocks to expose the history

CHANGES Today the river is bringing less water into the park than in previous centuries. Less snow is falling in the mountains of Wyo-ming, Utah, and Colorado, which means less water flowing into the streams and rivers that feed the Colorado River. What this means for the Lake Mead area remains to be seen.



LIVING HERE

One hundred miles west of Lake Mead National Recreation Area, the Sierra Nevada soars 14,000 feet above the MOJAVE DESERT. These

massive mountains block moisture from the Pacific Ocean, creating a "Land of Little Rain."

HOW PLANTS SURVIVE The Joshua tree

is a kind of yucca living in higher elevations of the Mojave. Pollinated only by the yucca

resin to hold in water; the resin gives off a scent like "rain in the desert." Wildflower seeds rest in the soil until the next rainy

season, then they grow fast and carpet the desert floor with color.

HOW ANIMALS SURVIVE During hot weather,

desert tortoises stay in burrows to stay cool. They emerge after a rain to drink at puddles. A jackrabbit's blood cools off while circulating

through its big ears.

moth, it blooms after a wet winter with freezing temperatures. The creosote bush dominates the lowlands. Its leaves are coated with

THE ROCKS

VOLCANICS The volcanic events that shape the present-day Lake Mead National Recreation Area began 18 million years ago. Great volca-noes formed during this time; their remains dominate the landscape.

ANCIENT SEAS Billions of tiny creatures, like seas. As they died, their skeletons collected on the bottom, forming layers of sediment that

FAULT MOVEMENT In several places, blocks of and moved miles apart. Wilson Ridge (top photo) may have lost its top layer this way.

UPLIFT Over eons, geologic forces have pushed up rocks formed hundreds of millions colored limestone from ancient seas and darker Precambrian rock from the beginning of time.



Trilobites lived in the ancient ocean that covered some of this area. They became extinct more than 250 million years ago.

ligh mountains to the west create a rain shadow by blocking moisture from the Pacific Ocean.

NEVADA

MOJAVE DESERT

Lake Havasu 🌡

Lake Mead

Lake Mohave

CALIFORNIA

Two massive faults

meet at a right angle and guide the river into a sharp turn south.

ARIZONA

Lake Powell

Here are the long

heavy winds and

-Mary Austin,

breathless calms

The Land of Little Rain

Black-tailed jackrabbit

two million flocked to Boulder Basin each summer. Tourism grew when Lake Mohave formed after Davis Dam was finished in 1951.

continues to draw people from around the world. They come to see

Hoover Dam, play in the two lakes, and hike the many desert trails.
Spirit Mountain still draws native
people seeking connection to their ancestors. This sacred mountain is

THE HUMAN STORY

Spirit Mountain, a sacred site to some Native Americans, rises in the southern part of Lake Mead National Recreation Area. Ten thousand years ago, people hunted and gathered food from the desert. Later people learned to use yucca to make baskets and ropes. They also learned to irrigate and grow crops.

NEW PEOPLE

By the 1700s, native people began encountering European Americans when fur traders, explorers, and a few settlers came into the desert. In the mid-1800s, steamboats (right) traveled up the Colorado River from Mexico. They brought more settlers and supplies deep into the Mojave

In the American

Southwest, I began a

lifelong love affair with a pile of rock.

-Edward Abbey

Desert. Soon Mormons started towns along the Colorado, Virgin, and Muddy rivers.

After gold and silver were found in 1867, people crowded the towns. They also established ferry crossings at Temple Bar and Pearce Ferry on the Colorado River.



BOULDER DAM By the early 1900s, people wanted protection from Colorado River floods. A dam was the solution. It could regulate river flow, generate electricity, and provide water for drinking and irrigation. Each month, over 3,500 people worked on the dam. Tourists also came to see the

orld's tallest dam being built. By 1936, the Boulder Dam was done. Now called Hoover Dam, it is not the tallest in the world anymore. But it still draws visitors.

AFTER THE DAM Now people had a cool lake to enjoy in the middle of the hot desert. Over

TODAY Lake Mead National Recreation Area

in one of the nine wilderness areas offering solitude and beauty to those who take the less-traveled

Joshua tree

