Our Mission
The mission of California State Parks is to provide for the health, inspiration and education of the people of California by helping to preserve the state’s extraordinary biological diversity, protecting its most valued natural and cultural resources, and creating opportunities for high-quality outdoor recreation.

“The redwoods, once seen, leave a mark or create a vision that stays with you always. From them come silence and awe. They are ambassadors from another time.”

— John Steinbeck
Travels With Charley

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CALIFORNIA’S REDWOOD STATE PARKS
Invitation to Discovery

Step into a forest of redwoods.
First you see the huge shaggy trunks. Suddenly you feel small—and intensely curious. The air is cool and moist. A small stream murmurs over rocks in the distance. Each step on the path feels soft, springy.

Tiptoe past nodding ferns, neon-green mosses, and pink rhododendrons. Feel the sunlight sifting down from above, warming your shoulders. Tilt your head way, way back. You still can’t see the tops of these trees. You can’t take their measure in a single glance, nor fathom the fullness of their lives.

Today’s trees grew in North America long before there was a United States or even any European explorers on the continent. A few predate the Roman Empire. Their ancestors lived around the time of the dinosaurs.

Forty-nine of California’s state parks provide habitat and preserve these ancient trees—both the giant sequoias of the Sierra Nevada and the coast redwoods of the north and central coast. In their awe-inspiring presence, you can scale peaks and explore nearby tide pools; watch salmon spawn and condors soar; swim in a clear, rocky stream; ski on a blanket of snow; or walk in a rainforest. From a cozy campsite, you can gaze at the stars through the limbs of the tallest, largest, and some of the oldest beings on Earth.

California’s 49 redwood state parks attract visitors from all over the world. Isn’t it time to discover them for yourself?

PROTECTING THE PARKS

Native peoples along the northern and central California coast lived respectfully among redwoods for centuries. Chilula native elder Minnie Reeves called them “a special gift from the Great Creator. Destroy these trees and you destroy the Creator’s love . . . and you will eventually destroy mankind.”

When gold was discovered in 1848, hundreds of thousands of newcomers came to California. Some cleared redwood forests for pastures and farms. Others sold redwood products to booming communities. Thousand-year-old trees were cut down to make posts, shingles, grape stakes, and railroad ties.

“A grove of giant redwoods or sequoias should be kept just as we keep a great or beautiful cathedral.”

–Theodore Roosevelt

Save the Redwoods League began to fight back in 1918. “I would consider the destruction of these trees one of the greatest calamities in the whole history of American civilization,” said League co-founder and American Museum of Natural History president Henry Fairfield Osborn. Along with other organizations such as the Sempervirens Club and the California Federation of Women’s Clubs, the League raised millions of dollars, bought threatened stands of ancient redwoods, and transferred them to the State for protection as public parks. According to an early League director, Newton Drury, they were often “just a jump ahead of the sawmills.”

Ordinary people made those first preserves possible—and have helped establish the 49 state parks that protect redwoods today. Threats to those parks are numerous, but so are the people who care about them. Enjoy your magnificent inheritance—and ask what you can do to pass it on.
About 120,000 acres of ancient coast redwood forests are left in California—just over five percent of the 2.2 million acres that grew here before European settlement. These ancient forests are also called “old-growth” forests. Old-growth forests:

- generally date back hundreds, even thousands, of years;
- have never been fully logged off (although selective harvesting may have been done);
- have large live trees, dead trees, natural openings, and multiple layers of vegetation from the ground to the treetops; and
- support a complex, interdependent community of plants and animals.

California has more than 1.5 million acres of coast redwood forest that have been logged at least once. That’s an expanse about twice the size of Yosemite National Park. Given enough time, these “second-growth” forests can develop old-growth characteristics.
Redwoods are endurance champions. They’ve survived shifts in climate over millions of years. Now they’re being tested again by rapid changes in temperature, moisture from fog, light, and fire frequency.

California’s state parks have become a laboratory for figuring out what this new era of climate change means for the future of redwood forests.

In initial findings, scientists from Save the Redwoods League, Humboldt State University, and the University of California at Berkeley brought good news. Some virgin redwood forests have actually increased their rate of growth in recent years.

The scientists also found that the size and longevity of redwoods are helping the trees store more climate-altering carbon dioxide (carbon sequestration) than other plants. Even old redwoods continue to grow, adding more carbon-filled wood than smaller, younger trees each year. After redwoods die, their rot-resistant wood keeps that carbon out of the atmosphere for a long time.

As climate change progresses, redwoods’ robust good health may have its limits. But one thing is certain: protecting redwoods and other forests is part of the climate-change solution.
**WHERE THEY GROW**
In pockets on a 450-mile-long stretch of coast from central California north to just across the Oregon border.

**SIZE**
Tallest trees in the world: the tallest known coast redwood is 379 feet, which is taller than a 30-story building. The volume of the largest known coast redwood is about 39,000 cubic feet (as big as 23 school buses). It has about 1.12 billion needles.

**SHAPE**
Tall and lean: 12 to 16 feet in diameter measured at six feet above ground. Thinner branches than giant sequoias.

**REPRODUCTION**
From seeds and sprouts.

**LEAVES**
Flat, needle-like, arranged in flat sprays resembling hemlock or fir.

**CONES**
Small (⅜ inch to 1⅝ inch long); cones each contain 50 to 60 seeds that mature in a year.

**BARK**
Up to a foot thick at the base of the largest trees; almost no flammable pitch or resin.

**WOOD**
Contains chemicals — tannins and phenolics — that make it more resistant to infestation and decay than other trees. Douglas-firs host 30 species of bark beetles in redwood forests, while coast redwoods host only four species.

**LIFE SPAN**
Up to about 2,500 years.

**GROWTH**
In their early years, coast redwoods follow the same growth pattern as giant sequoias, but generally surpass them in height somewhere between 50 and 100 years of age.
WHERE THEY GROW
In groves on western slopes of California’s Sierra Nevada range

SIZE
Most massive tree in the world: the volume of the largest known giant sequoia, the General Sherman Tree in Sequoia National Park, is about 52,500 cubic feet (as big as 31 school buses). It is 275 feet tall, 36.5 feet in diameter at base, and has about 1.94 billion leaves.

SHAPE
Trunk stouter than coast redwood, with thicker branches. Giant sequoia trunks reach 20 - 30 feet in diameter, six feet above ground.

REPRODUCTION
Only from seeds, which need sunshine and bare mineral soil to sprout and prosper. This reproductive system makes fires and other disturbances essential to their long-term survival.

LEAVES
Small, scale-like; resemble juniper or cypress leaves

CONES
1½ to 3 inches long; contain 100 to 300 seeds that take three years to mature

BARK
One to two feet thick at the base of the largest trees. Same fire-resistant qualities as coast redwoods.

WOOD
Has decay-resistant chemical qualities. Fractures more easily and is less valuable for timber than the coast redwood.

LIFE SPAN
Up to about 3,200 years

GROWTH
Older trees grow upward more slowly, but continue adding girth to their trunks and branches, even when more than a thousand years old.
THE COAST REDWOODS

- 144,000 acres PROTECTED BY CALIFORNIA STATE PARKS
- 267,000 acres PROTECTED BY OTHER AGENCIES
- 1,130,000 acres PRIVATELY OWNED
**Life in the Redwood and Sequoia Forest**

“What is the purpose of the giant sequoia tree? . . . to provide shade for the tiny titmouse.”
—Edward Abbey

**Banana Slug**
Banana slugs are natural recyclers, making rich soil from dead plants and animal droppings on the forest floor. The biggest individuals are almost ten inches long and can slide along at 6.5 inches per hour.

**Salmon**
It's a perfect partnership. Redwoods provide shade for the cool streams that salmon need. The trees' woody debris creates deep pools where fish can take refuge from predators. Salmon, in turn, supply redwoods with nutrients after they spawn, die, and are left along streams and on the forest floor by scavengers.

**Trillium**
Usually ants disperse trillium seeds, but sometimes wasps airlift the seeds to new parts of the forest.

**Spotted Owl**
You might hear the distinctive hoot of a spotted owl when you visit an old-growth forest, but you're unlikely to see an owl, as it prefers to live 40 to 200 feet above the ground.

**Marbled Murrelet**
About the size of a robin, the marbled murrelet travels daily from its nest in the top of an old-growth tree to feed on fish in the ocean. In some places, that's a 30-mile commute.

**Sword Fern**
Found in every coast redwood forest, the sword fern is named for a small bump at the base of its leaflet that resembles the hilt of a sword. Like most plants in the redwood forest, it can absorb fog water in through its leaves, as well as from its roots.

**Pacific Giant Salamander**
Most amphibians are small and quiet. The Pacific giant salamander is big (about a foot long), and it barks. Found in temperate coastal forests, this is one of a few salamander species in the world that vocalize.

**The Coast Redwood Canopy**
Sponge-like mats of soil deposited in the upper branches of ancient redwoods support aerial worlds of worms, insects, salamanders, and mammals. Some of these mats have the volume of a small school bus and support shrubs and trees up to 40 feet tall.