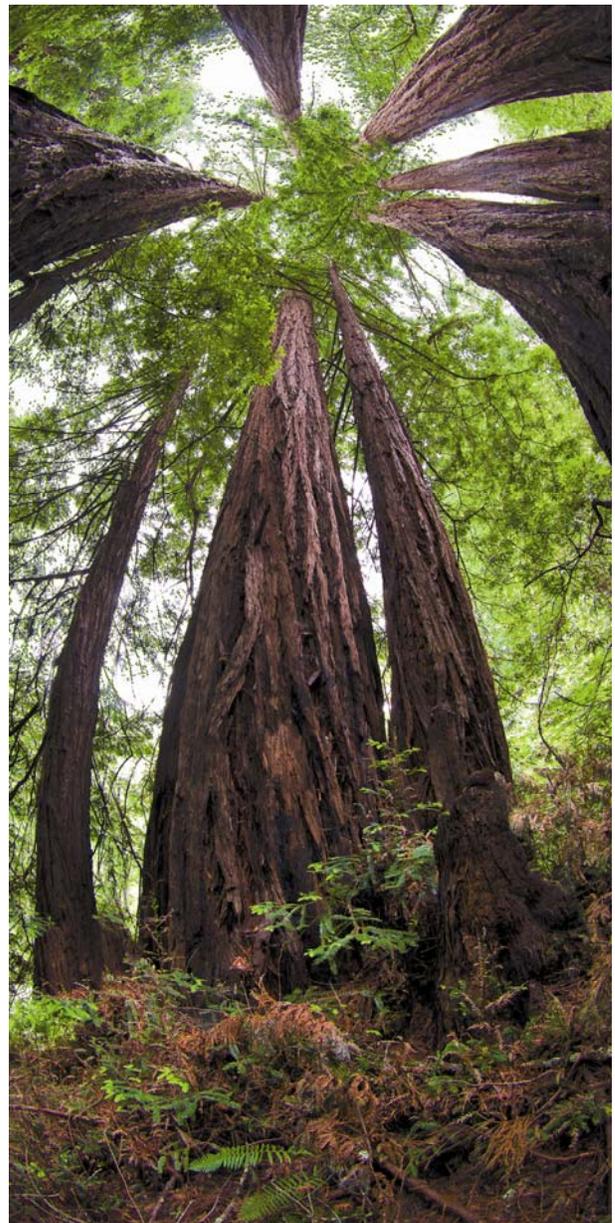


A PARK FOR ALL FOREVER

CALIFORNIA COAST REDWOOD

“The Tallest Tree Species in the World”

- **Scientific name:** *Sequoia sempervirens*
- **Maximum height:** Up to 380 feet (as tall as a 35-story building)
- **Tallest Muir Woods redwood:** About 260 feet
- **Life span of species:** Oldest living trees over 2,200 years old (before the time of Julius Caesar)
- **Average age of redwoods in Muir Woods:** 600 to 800 years
- **Oldest redwoods in Muir Woods:** Trees in Bohemian and Cathedral Groves more than 1,200 years old
- **Range of coast redwoods:** 450-mile coastal region corridor from Monterey County (Calif.) to just inside Oregon border
- **Ideal growing conditions:** Valleys and canyons with persistent coastal fog in summer, high volume of precipitation in winter
- **Required water consumption:** 100 to 500 gallons per day
- **Root system dimensions:** Only 10 feet below surface, but more than a 100 feet laterally, interweaving with roots of other redwoods for added stability
- **Two reproductive methods:**
 - 1) Fertilization produces an olive-sized cone containing 60 to 100 seeds
 - 2) Shoots grow from “burls,” masses of dormant bud cells at base of tree; trees grown out of burls form “family circle” or “fairy ring” around parent tree
- **Thickness of bark:** 12 to 18 inches on a mature old-growth tree, making redwoods extremely resistant to damaging heat of fire



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