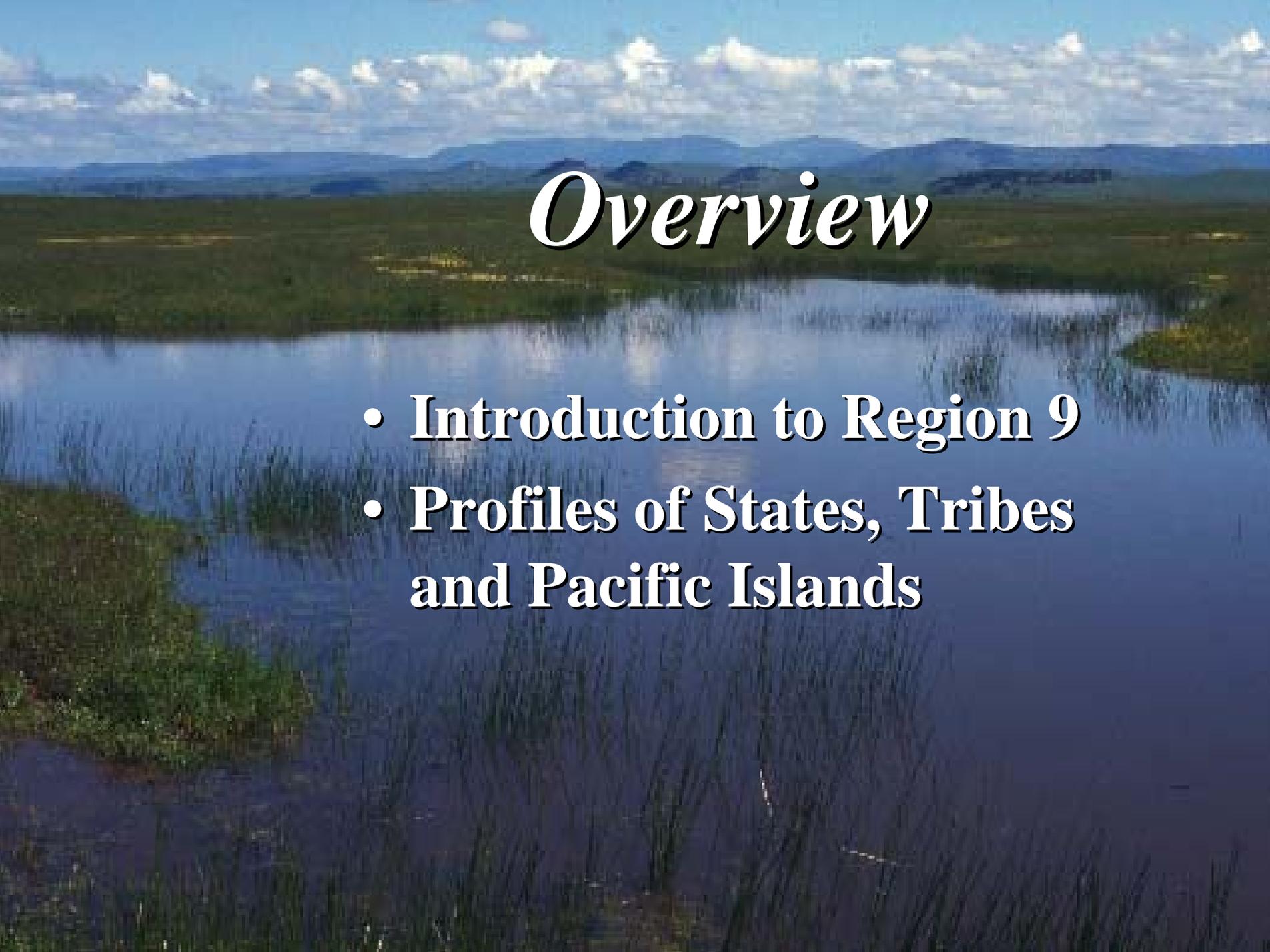


U.S. Environmental Protection Agency



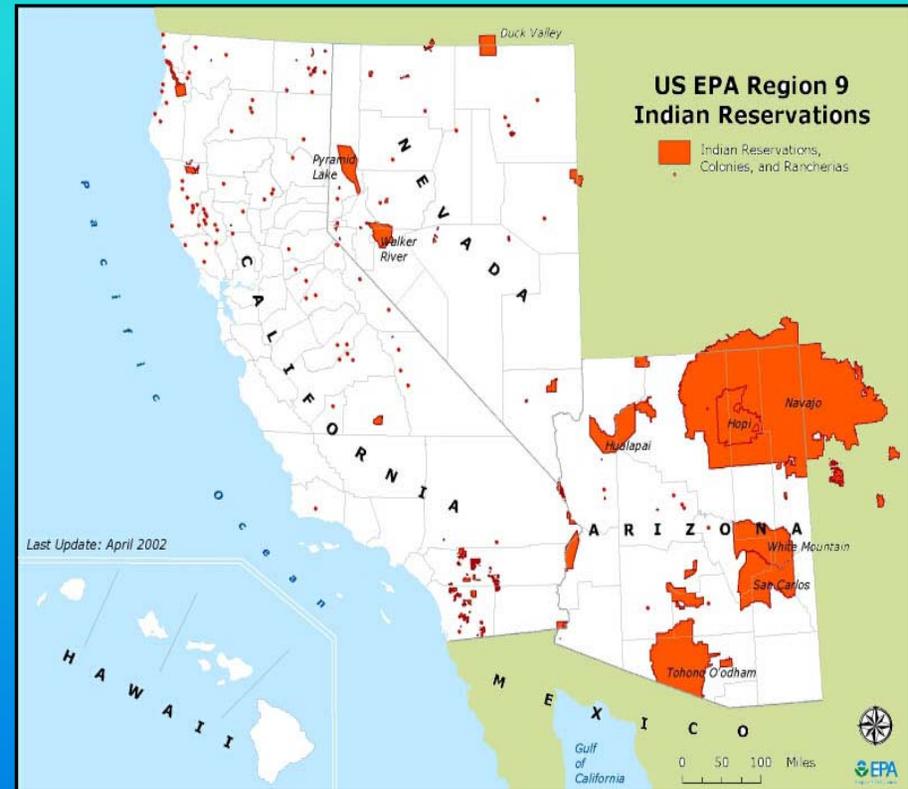
Alexis Strauss
Director, Water Division



Overview

- **Introduction to Region 9**
- **Profiles of States, Tribes
and Pacific Islands**

- **4 States**
 - Arizona
 - California
 - Hawaii
 - Nevada
- **146 Tribes**
- **Pacific Islands**
 - 3 independent nations
 - US Possessions



What Makes Region 9 Unique?



- **Spans the largest geographic distance**
 - Outer Islands near Japan to Arizona border
 - Oregon border to Mexico
- **61% of lands are federally owned**

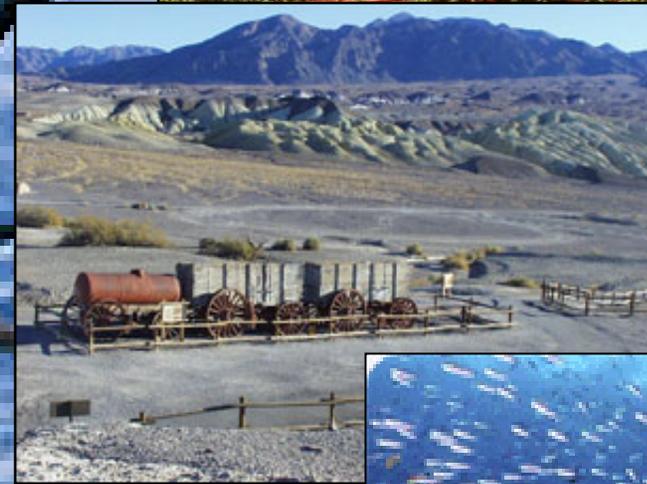
POPULATION AND GROWTH



- **15% of the US population**
 - 42.6 million in 2002
 - 73 million in 2040
- **Three of the five fastest growing States**
 - California, Arizona and Nevada
- **15% of US children under 5**

DIVERSE ECOSYSTEMS

- deserts, mountains, beaches, agricultural valleys, fragile tropical islands and atolls, and unique seasonal habitats
- California, Hawaii and Pacific Islands most biologically diverse areas on earth
- 95% of nation's fragile coral reefs



DIVERSE CULTURES



- **146 Federally recognized tribes**
- **Distinct cultures in Hawaii and Pacific Islands**
- **Mexican Border**
- **California's ethnic minorities are more than 50% of population**

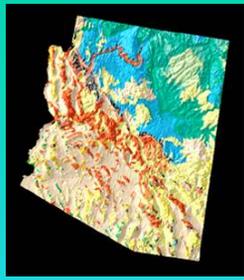
REGULATORY COMPLEXITY

- We have many State and local co-regulators:
 - 146 tribes
 - 3 times more independent air regulators than any other region
- In California alone:
 - 9 independent water quality regulators
 - More than 80 local hazardous waste management regulators
 - Nearly 40 drinking water regulators
- Largest grant workload of all 10 regions
 - More than 1,000 (*many to unsophisticated grantees*)

Common Issues in our States

- **Impacts of Growth**
- **Air Quality** (*most people live in non-attainment areas*)
- **Energy generation**
- **Slowing economy and State cutbacks**
- **Tribal public health**
- **Groundwater protection**





Arizona

Environmental Issues

- **Phoenix/Tucson Growth**
 - Air, water quantity and quality, waste, habitat, land use and construction
 - Phoenix non-attainment for ozone and PM-10
- **Arsenic in Water**
- **Mining**
- **Colorado River Water Quality**
- **10 active National Priority List sites**
- **South Phoenix Industry/Population Mix**
- **U.S./Mexico Border**



California

Environmental Issues

- **CAA non-attainment**
 - in all urban areas
 - **San Joaquin Valley - ozone and PM 10**
 - **Los Angeles and SF Bay Area – ozone**
 - **Diesel emissions**
- **Water quantity and quality**
- **Clean Beaches**
- **Watershed Management**
- **Habitat Protection**

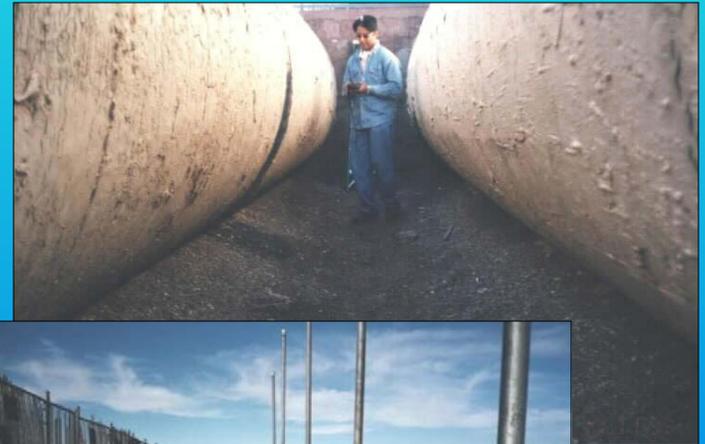


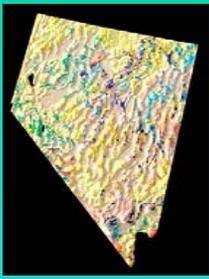


California

Environmental Issues

- **97 active National Priority List and NPL-equivalent sites**
 - Many large-scale, multi-party ground water cleanups
- **MTBE and leaking tanks**
- **Perchlorate** (*affecting drinking water for 12 million people*)
- **Federal Facilities**





Nevada

Environmental Issues

- **Clark County Growth**
 - PM-10 and CO in urban areas
- **Arsenic in Drinking Water**
 - Fallon
- **Perchlorate Contamination**
- **Walker River/Walker Lake**
- **Lake Tahoe/Truckee River**
- **Mining**
- **3 National Priority List and NPL-equivalent sites**
- **One of the lowest recycling rates in nation**
- **Sunrise Landfill**
- **Yucca Mountain**

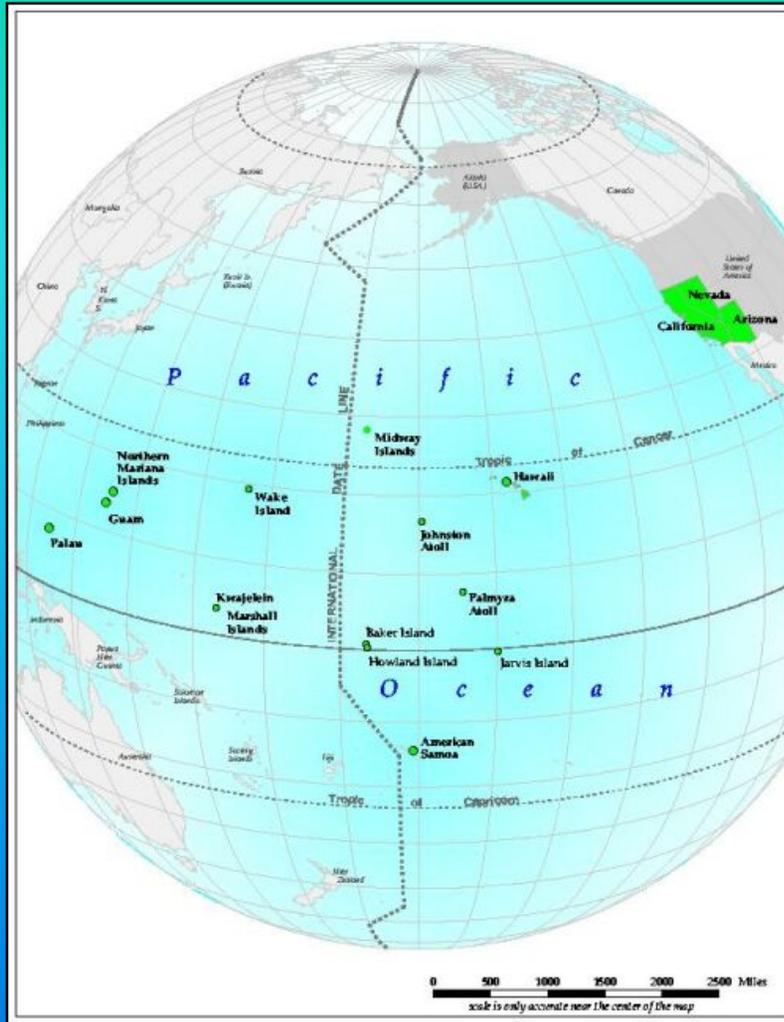


Hawaii

Environmental Issues



- **Water quality**
 - Coastal
 - Tributaries
 - Large capacity cesspools
 - Impaired watersheds from non-point sources
- **3 National Priority List Sites**
- **Solid Waste Management**
 - Limited recyclables
- **Global warming**



- American Samoa
- Guam
- Commonwealth of the Northern Mariana Islands
- Federated States of Micronesia
- Republics of Palau and Marshall Islands
- US Army Kwajalein Atoll, RMI
- Wake Island
- Palmyra

Pacific Islands



- Safe drinking water
- Inadequate water and wastewater infrastructure
- Solid Waste
- PCB Contamination
- Tanapag Village
- Toxicity in Fish in Pago Pago Harbor
- Coral Reefs
- Palau Compact Road
- Global warming

Pacific Islands Environmental Issues



Tribal Lands

- **146 Federally recognized tribes**
- **Over 10% of Region 9 is Tribal Land**
- **Nearly 50% of all Indian land in US is here**
- **26% of total US Native American population is living in this region**



Tribal Environmental Issues

- **Lack of complete plumbing in 19% of tribal homes**
- **30% of Navajo Nation households must haul water**
- **40% of water systems do not meet SDWA requirements**
- **700+ open dumps on Tribal lands**
- **More than one third of Tribes breathe air that does not meet NAAQS**