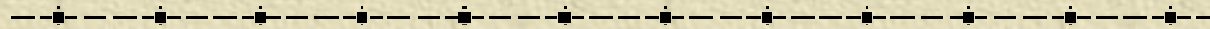
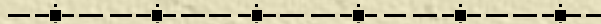




The Search for Rationality in Water Policy



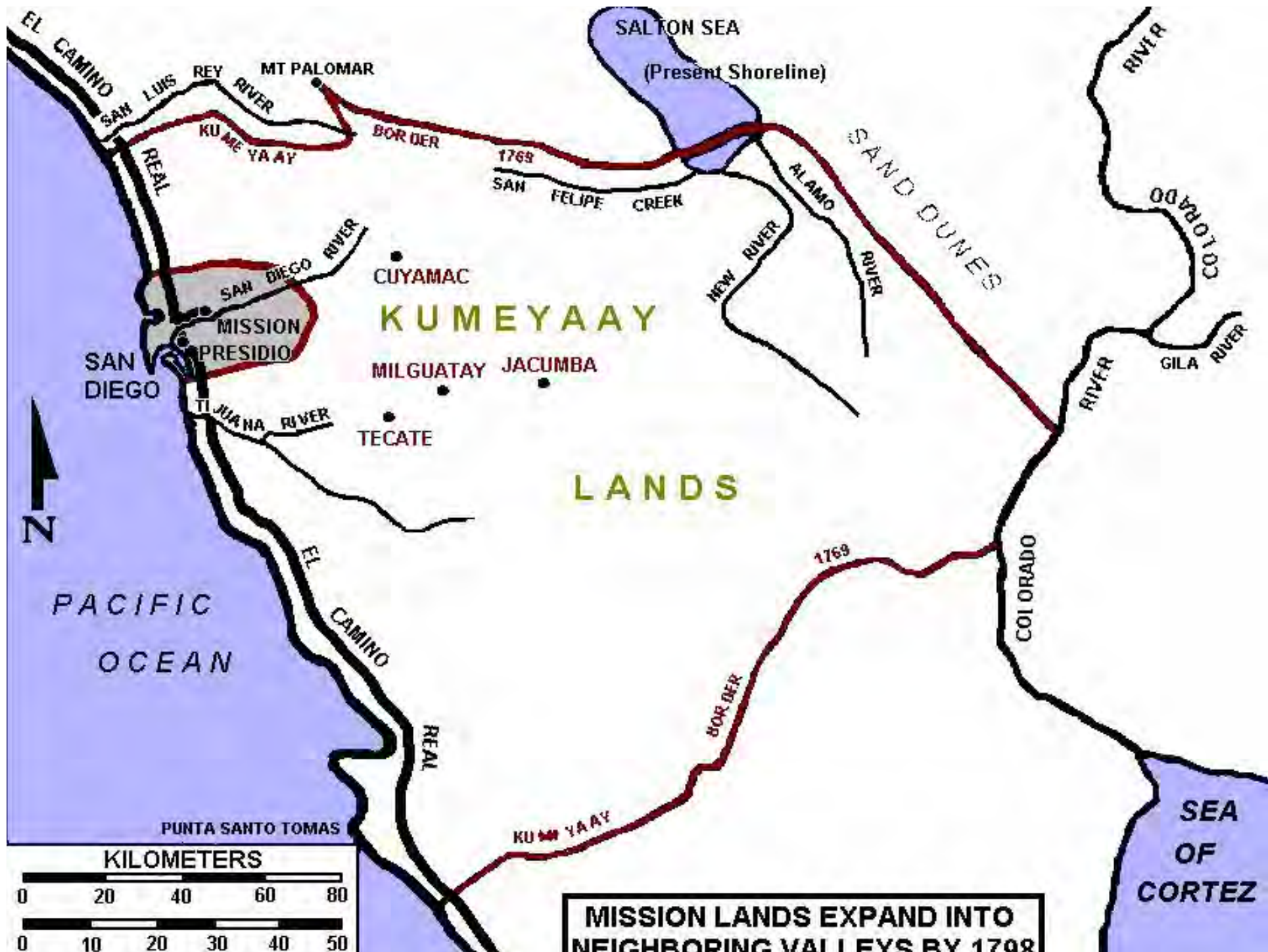
Michael Connolly Miskwish
Campo Band of Kumeyaay Indians





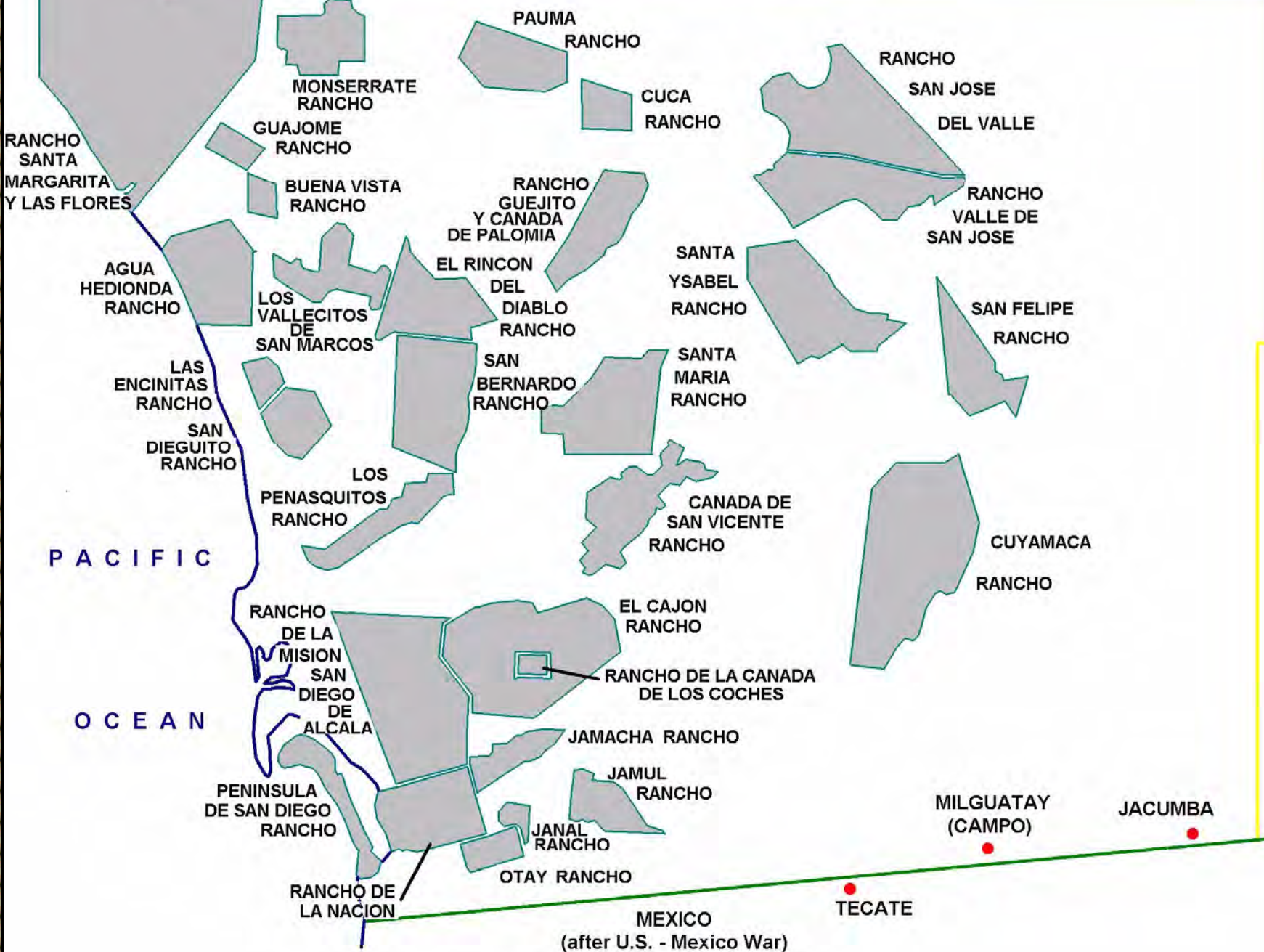
Tribes of the Border Zone

- 25 tribal nations representing over 10 distinct ethnic groups
- 18 located in San Diego County
 - 12 Ipaay/Diegueno
 - 6 Cupa/Luiseno/Cahuilla





SAN DIEGO COUNTY RANCHOS

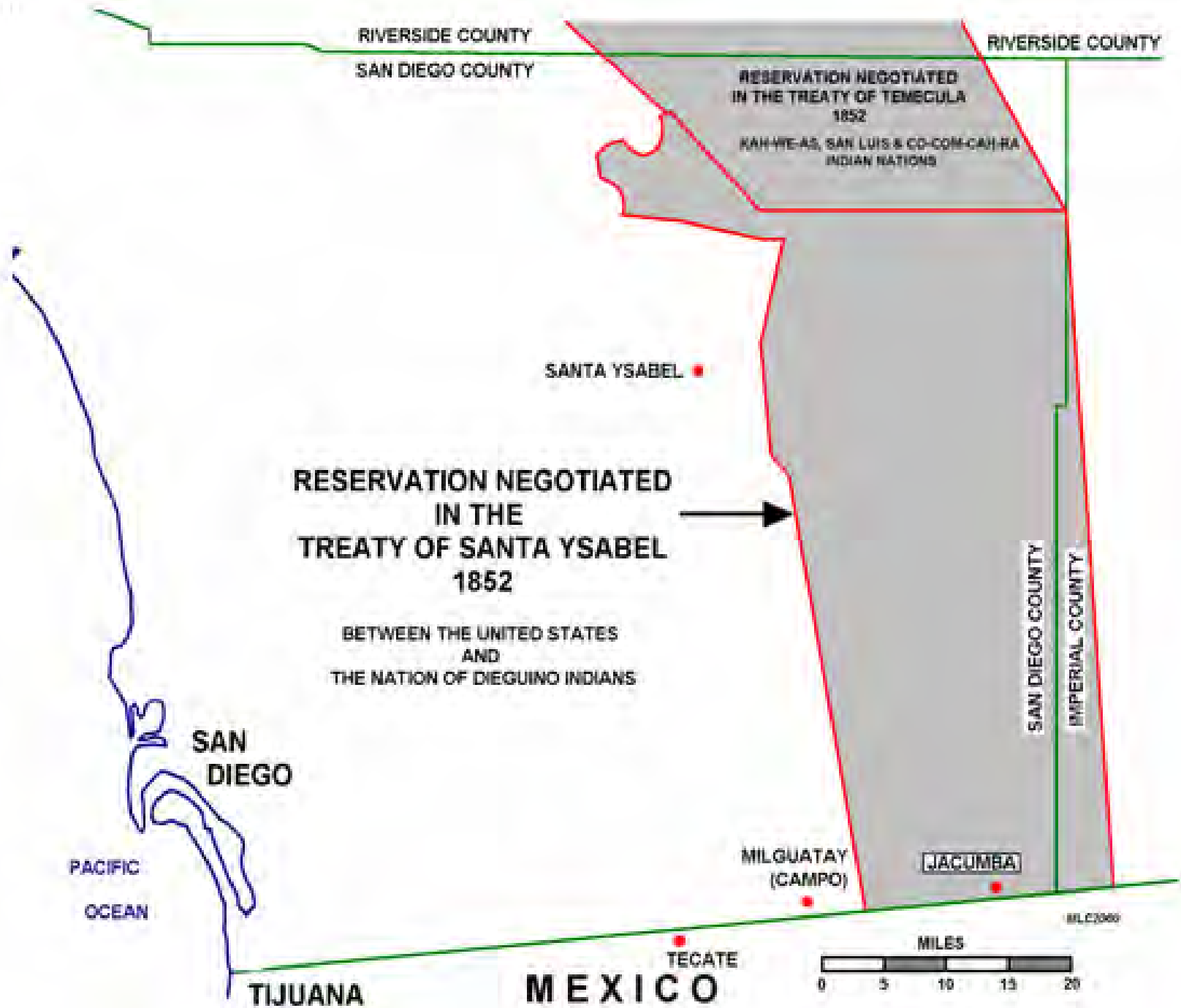


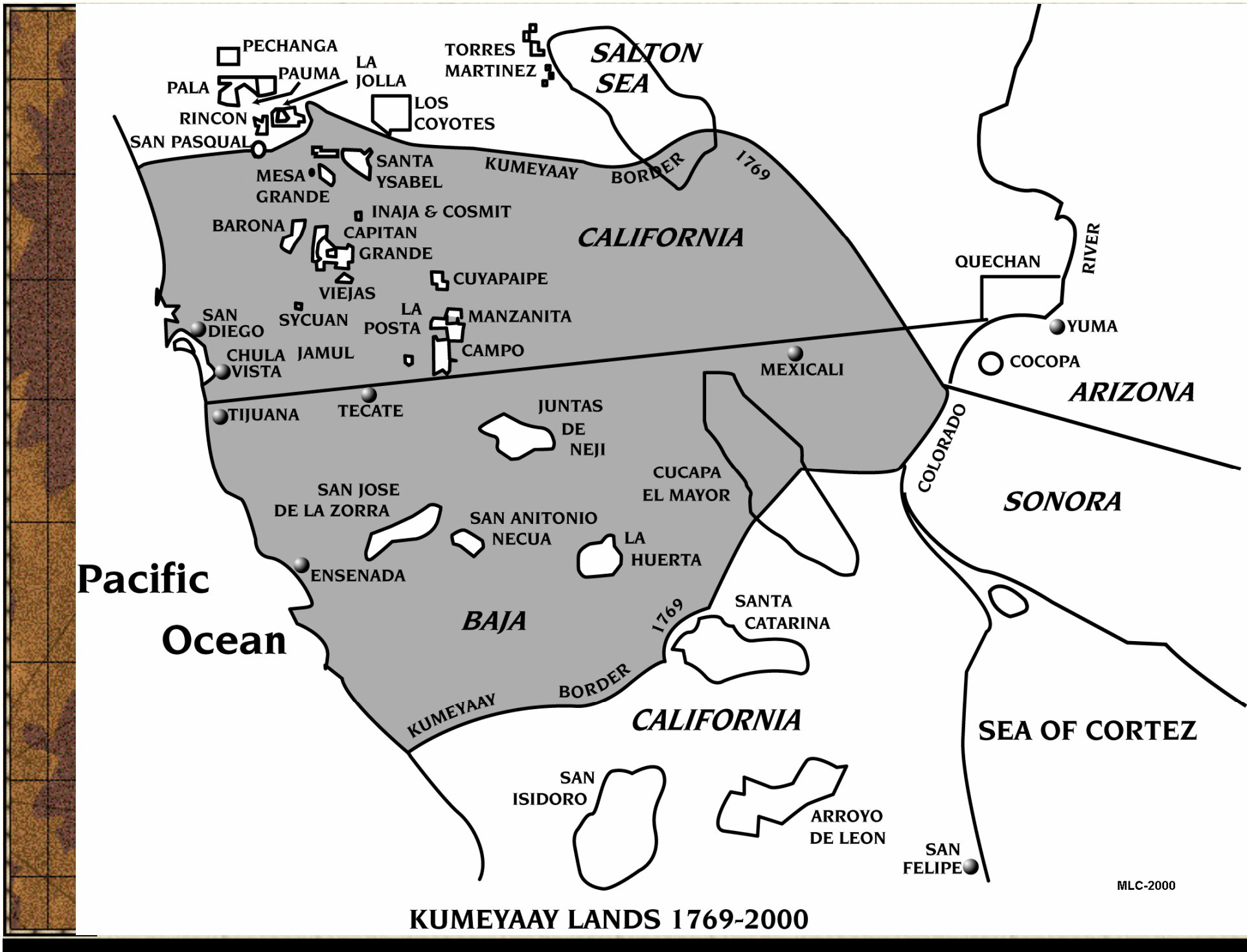
San Diego County Tribes



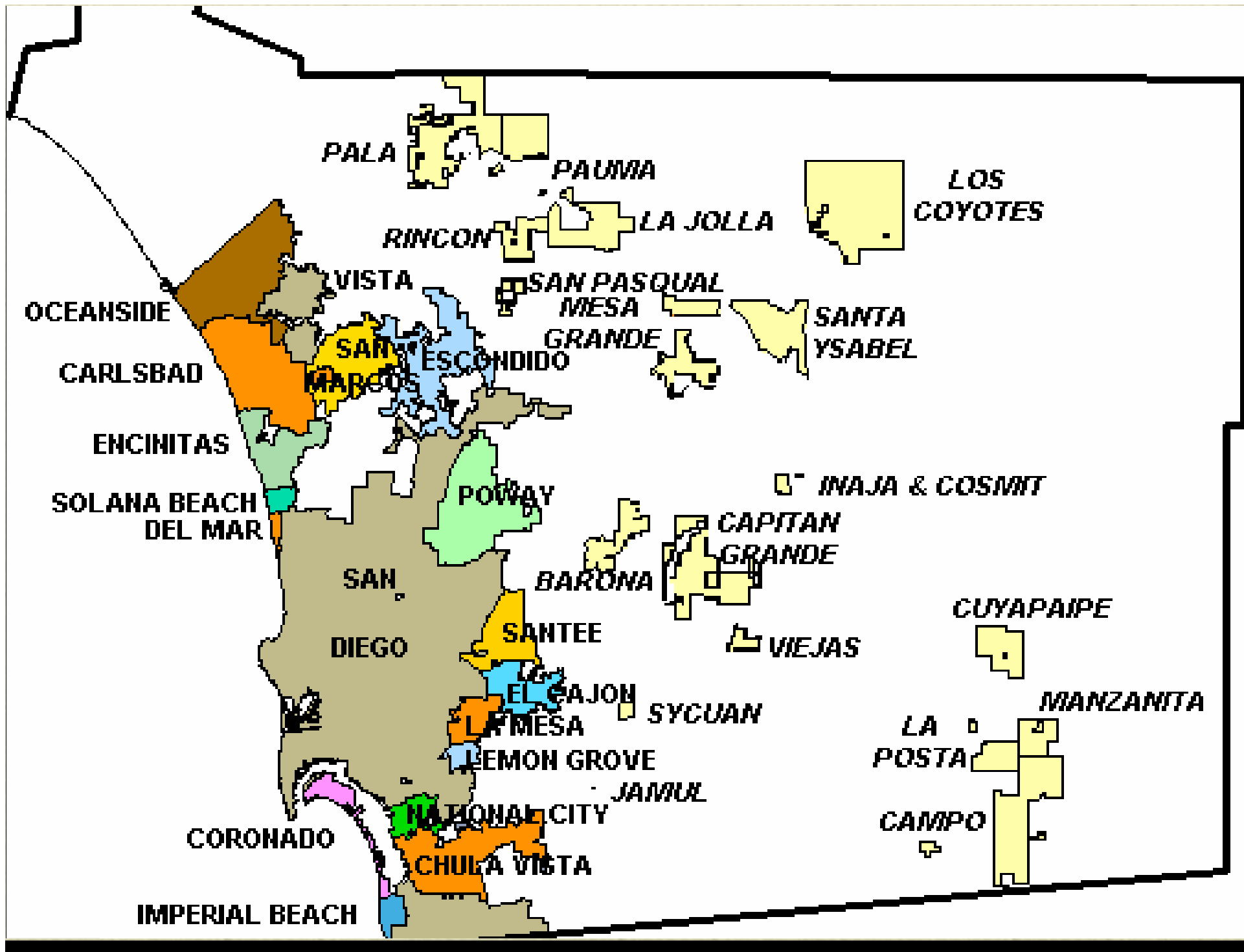
✦ Establishment of the Reservations

- ✦ Treaty of Santa Ysabel
- ✦ First Reservations 1870 to 1893
- ✦ Land with marginal water





KUMEYAAY LANDS 1769-2000



Reservations & Water Resources

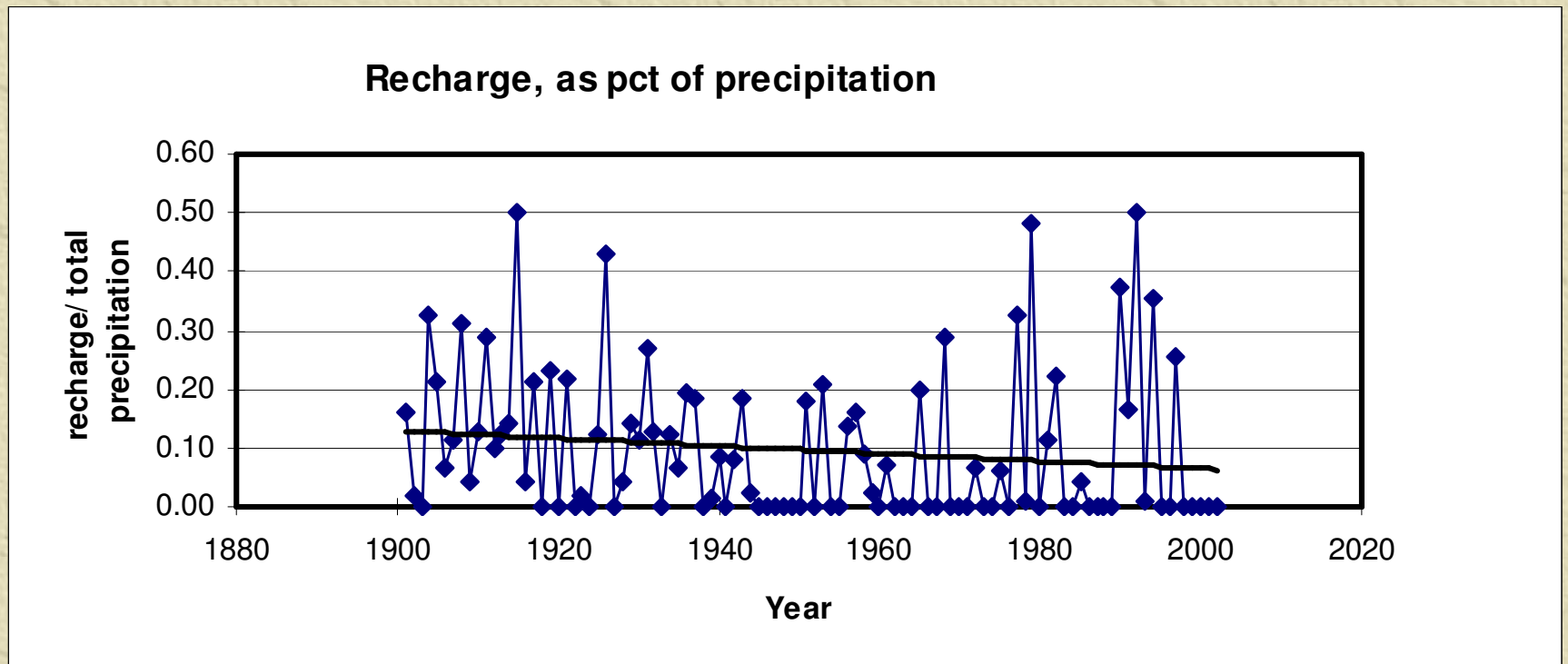
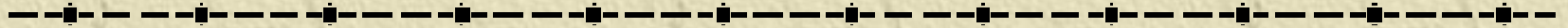
✦ Relocations, Cupa and Capitan Grande

- ◆ 1905 relocation of the Cupa to Pala Reservation
- ◆ 1930's relocation of Capitan Grande Kumeyaay to Barona and Viejas Reservations

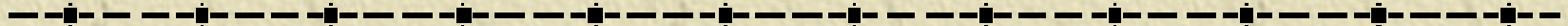
✦ Traditional usage

- ◆ Clan territories
- ◆ Enhanced wetlands
- ◆ Traditional management

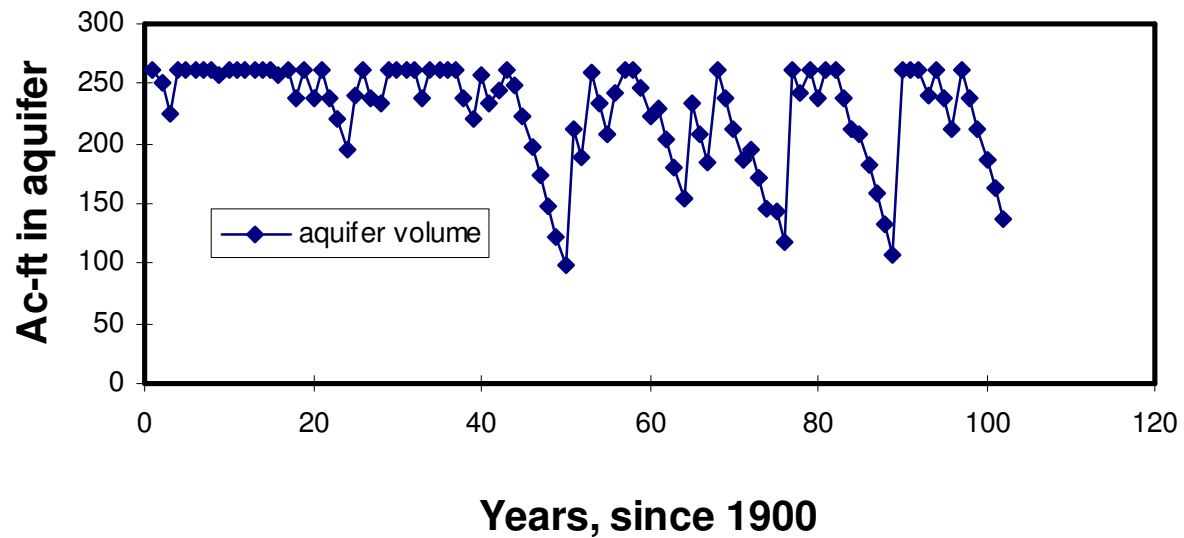
Rainfall trends – 100 years



Aquifer Storage Depletion

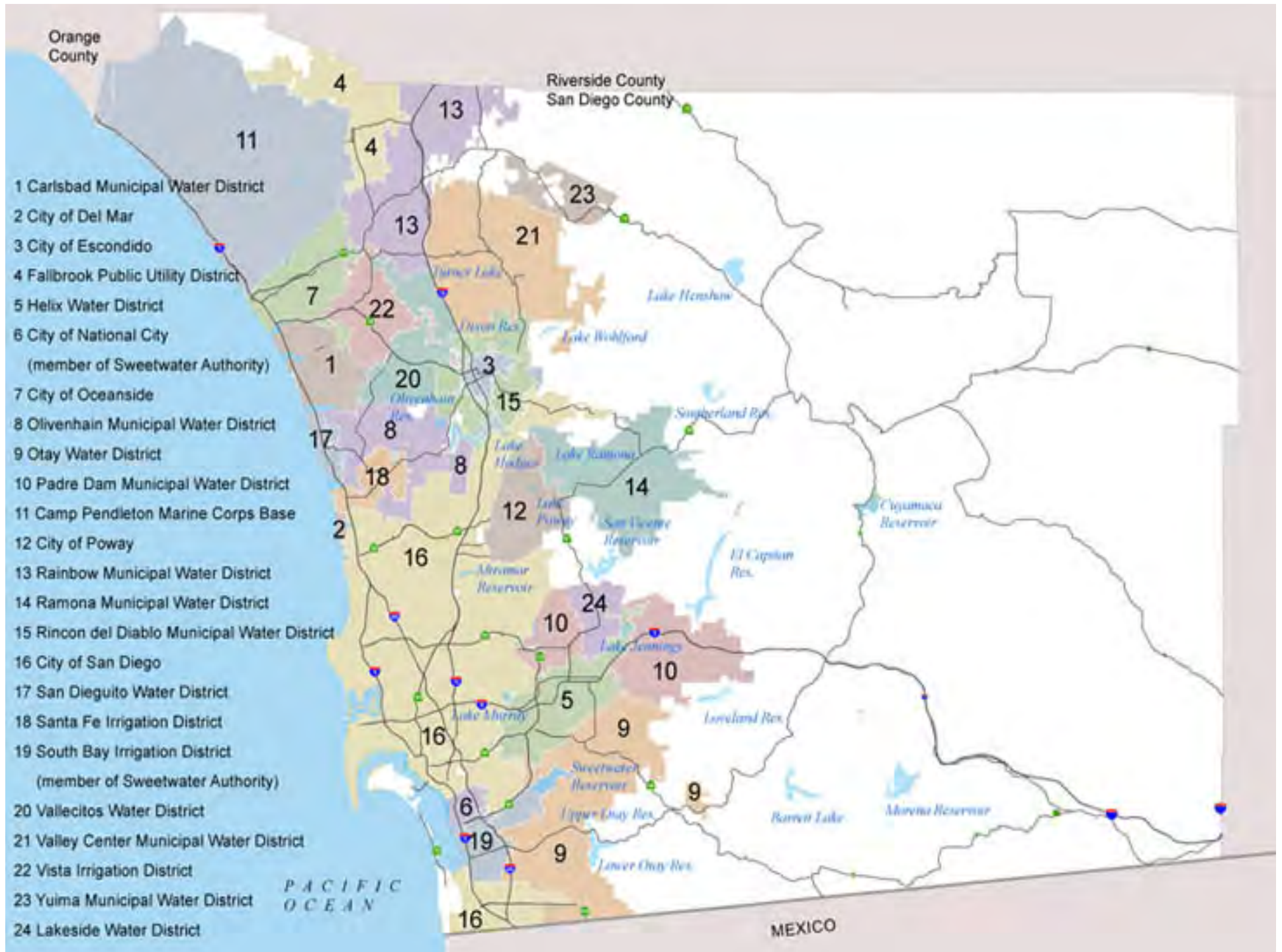


**Long-term Water Balance,
Example Basin Drainage**
617 Acres, 40.29 gpm (24 hr/day)



Water Conveyance Systems

- ✦ Mission aqueduct
- ✦ 1887-1897 Dam building period
- ✦ WWII population jump
 - ◆ Colorado River
 - ◆ State Water Project



- 1 Carlsbad Municipal Water District
- 2 City of Del Mar
- 3 City of Escondido
- 4 Fallbrook Public Utility District
- 5 Helix Water District
- 6 City of National City
(member of Sweetwater Authority)
- 7 City of Oceanside
- 8 Olivenhain Municipal Water District
- 9 Otoy Water District
- 10 Padre Dam Municipal Water District
- 11 Camp Pendleton Marine Corps Base
- 12 City of Poway
- 13 Rainbow Municipal Water District
- 14 Ramona Municipal Water District
- 15 Rincon del Diablo Municipal Water District
- 16 City of San Diego
- 17 San Dieguito Water District
- 18 Santa Fe Irrigation District
- 19 South Bay Irrigation District
(member of Sweetwater Authority)
- 20 Vallecitos Water District
- 21 Valley Center Municipal Water District
- 22 Vista Irrigation District
- 23 Yuima Municipal Water District
- 24 Lakeside Water District

PACIFIC
OCEAN

MEXICO

Water Regulation

- ✦ Water Quantification and rights
 - ◆ Outdated methodologies
 - ◆ Lack of planning for future litigation
- ✦ Groundwater – surface rights
 - ◆ Interrelated but separated
- ✦ Water quality – water quantity
- ✦ Endangered species
- ✦ International issues

Incorporating Tribal Needs

- ✦ Acknowledgement of the need to reserve a portion of the water in unallocated form for future quantification claims by tribal communities.
- ✦ Provision of access to conveyance systems for tribes within a reasonable framework of compensation and management.
- ✦ Inclusion of tribal communities in the long-term planning process for regional water management.
- ✦ Requirement that local jurisdictions incorporate tribal needs in their plans and updates.

Conclusion

The hardest task – tackling the disparate regulatory “turfs”. Bring together the competing interests to push for positive, incentive based solutions.