



OFFICE OF THE GOVERNOR

Monthly Statewide Tribal Consultation Call on Drought Response

January 21, 2015

California Natural Resources Building

Monthly Tribal Consultation Webinar/ Call on 2014 Drought Response

01/21/2015

10:00 a.m. – 11:30 a.m.

Location: CA Natural Resource Building, Conference Room 1131, 11th Floor

1416 9th Street, Sacramento, CA 95814

9:55 am 10:00 – 10:10 am	Dial In Welcome & Introductions	All Tribal Governments GOVERNOR'S OFFICE OF THE TRIBAL ADVISOR Cynthia Gomez, Tribal Advisor
10:10 – 10:20 am	Update on 2015 Drought Activity Operational Area Weekly Calls	CALIFORNIA GOVERNOR'S OFFICE OF EMERGENCY SERVICES (CAL OES) Nancy Ward, Deputy Director
10:20 – 10:30 am	Upcoming Water Rights & Water Quality Training for Tribes Prop 1 Water Bond	STATE WATER RESOURCES CONTROL BOARD (SWRCB) Gita Kapahi, Ombudsman & Tribal Liaison
10:30 – 10:40 am	Support to Native American Tribes	CALIFORNIA NATIONAL GUARD Captain Kara Siepmann, Counterdrug Operations
10:40 – 10:50 am	DWR Drought Update and Funding Opportunities Sustainable Groundwater Management Act DWR Recent Activities	DEPARTMENT OF WATER RESOURCES (DWR) Bill Croyle, Director, Drought Management Operations Center, DWR Robert Nozuka, Supervising Engineer, IRWM North Central Region, DWR Lauren Bisnett, Information Officer, Public Affairs Office, DWR Erin Chappell, Senior Environmental Scientist, North Central Region Office Anecita Agustinez, DWR Tribal Advisor
10:50 – 11:00 am	Update	INDIAN HEALTH SERVICES, CALIFORNIA AREA (IHS) Donald Brafford, Director, Indian Health Services Luke Schulte, Environmental Engineer Consultant Gordon Tsatoke, Division Director, Indian Health Services
11:00 – 11:10 am	Update	US ENVIRONMENTAL PROTECTION AGENCY, REGION 9 (US EPA) Loretta Vanegas, Tribal Grants Project Officer Water Tribal Section
11:10 – 11:30 am	Tribal Comments/ Open Discussion	1 st Tribal Chairman 2 nd Tribal Designee 3 rd Open Forum
	Closing Remarks Frequency of future webinar/calls	Cynthia Gomez, Tribal Advisor

State and Federal Partners

Participating

- **Cynthia Gomez**, Governor's Tribal Advisor
- **Nancy Ward**, Deputy Director (CalOES)
- **Gita Kapahi**, Ombudsman & Tribal Liaison, (SWRCB)
- **Captain Kara Siepmann**, Counterdrug Operations, CA National Guard
- **Bill Croyle**, Director, Drought Management Operations Center (DWR)
- **Robert Nozuka**, Supervising Engineer, IRWM North Central Region (DWR)
- **Lauren Bisnett**, Information Officer (DWR)
- **Erin Chappell**, Senior Environmental Scientist, NCR (DWR)
- **Anecita Agustinez**, Tribal Policy Advisor (DWR)
- **Donald Brafford**, Director, Indian Health Services (IHS)
- **Luke Schulte**, Environmental Engineer Consultant (IHS)
- **Gordon Tsatoke**, Division Director, Indian Health Services (IHS)
- **Loretta Vanegas**, Water Division Grants and Environmental Justice (US EPA, Region 9)

Governor's Office of Emergency Services



Nancy Ward
Deputy Director
Cal OES



Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES



Bi-Weekly Drought Brief Monday, January 5, 2015

CURRENT CONDITIONS

Recent Precipitation: Little precipitation has fallen recently after large storms earlier December.

Below are precipitation totals (in inches) from Monday, December 29 through Monday, January 5, and year-to-date rainfall based on the water year cycle (October 1, 2014 to September 30, 2015).

- Bakersfield: 0.11" (2.67")
- Folsom Dam: 0.00" (11.73")
- Fresno: 0.00" (3.19")
- Hetch Hetchy: 0.00" (8.68")
- Los Angeles: 0.19" (4.62")
- Modesto: 0.00" (7.40")
- Oroville: 0.00" (19.20")
- Pacific House: 0.00" (14.40")
- Redding: 0.00" (21.88")
- Riverside: 0.06" (2.30")
- Sacramento: 0.00" (9.30")
- San Diego: 0.08" (4.87")
- Shasta Dam: 0.00" (34.36")
- Willits: 0.04" (26.44")

December storms improved California water conditions, providing a meaningful uptick in many of the state's reservoirs. However, this precipitation is a small step in the right direction amidst the multi-year drought. California's extreme drought conditions have evolved over several years of rainfall deficits. Refilling reservoirs and rebuilding the snowpack will require a series of additional, colder storms through January, February, and March, and recharging underground aquifers will need even more precipitation and time. It is very important for Californians to continue conserving water and follow drought-related directives from water agencies.

Precipitation Forecast: A ridge of high pressure will remain over California resulting in continuing dry conditions and a slight warming trend for the period January 5th to January 12th.

Snow Survey: The most recent [snowpack survey](#), conducted on December 30, recorded California snowpack at 33% of normal. A more [recent update](#) using automated devices shows snowpack at 46% of normal as of January 2.

Reservoir Levels (% capacity): Runoff generated from the recent storms has been fairly limited for the four major Sacramento Valley reservoirs: Lake Shasta, Lake Oroville, New Bullards Bar, and Folsom Lake. However, the recent storms have at least put an end to the declining reservoir storage levels. As of January 2, the four Sacramento Valley reservoirs are still far below average to date.

Reservoir Levels as of January 4 remain low, including: Don Pedro 39% of capacity (59% of year to date average); Exchequer 7% of capacity (16% of average); Folsom Lake 45% of capacity (91% of average); Lake Oroville 39% of capacity (62% of average); Millerton Lake 35% of capacity (64% of average); New Melones 23% of capacity (40% of average); Pine Flat 13% of capacity (31% of average); San Luis 43% of capacity (62% of average); Lake Shasta 42% of capacity (66% of average); and Trinity Lake 34% of capacity (50% of average).

An update of water levels at [other smaller reservoirs](#) is also available.

In December, about two-thirds of the increase in reservoir storage from winter rains occurred north of Sacramento. The San Luis reservoir storage went up just over 300,000 acre-feet, while most Central and Southern California reservoirs experienced only small increases in storage.

Fire Activity: CAL FIRE has responded to 5,620 wildfires across the state since January 1 to December 31, 2014, burning 90,606 acres in State Responsibility Areas (SRA). The fire activity for 2014 is well above the year-to-date average of 4,681 wildfires on 88,169 acres. CAL FIRE responded to over 20 new wildfires over the past two weeks.

At the start of the new year, drought conditions continue to have a hold on California, CAL FIRE is maintaining staffing that meets the current threat. CAL FIRE continues to monitor weather conditions closely and has the ability to increase staffing should weather conditions change.

Statewide Open Burn Ban Update: The recent rains and lowered fire threat allowed CAL FIRE to lift the outdoor burn bans across much of the State. Currently, there are 50 counties where CAL FIRE has lifted the burn ban. The [burn ban](#) prohibits certain outdoor burning in the SRA. For those areas where the ban has been lifted, daily fire and weather conditions will dictate whether burning is permissible that day.

Vulnerable Water Systems: The State Water Board's [Drinking Water Program](#) continues to provide technical and funding assistance to several communities facing drinking water shortages and is monitoring water systems across the state to determine if new support is needed. As of this week, a total to date of over \$14.3 million has been identified for specific emergency drinking water projects out of \$15 million appropriated in March 2014 for this purpose.

KEY ACTION ITEMS FROM THIS WEEK

- **Update on Real-Time Water Operations:** The State Water Project (SWP) and Central Valley Project (CVP) continue to manage Delta operations to reduce risk to Delta Smelt and potentially avoid more severe water supply impacts. These operations, combined with early warning resource monitoring projects by various State and federal agencies to monitor turbidity levels in the Delta and the movement of Delta smelt, are critical to address water supply needs and protection of environmental resources. Combined pumping levels for both projects are about 5,800 cubic feet per second.
- **Survey Finds More Snow in Mountains, but Water Content Is Still Far Below Average for Date:** On Tuesday, December 30, the Department of Water Resources (DWR) California Cooperative Snow Surveys Program conducted the [first manual snow survey](#) of the Sierra snowpack this winter near Echo Summit, measuring the snow depth at 21.3". This is equivalent to 4 inches of snow water or 33 percent of normal, which is more snow than last year recorded at this time.

Statewide, 105 electronic sensors in the Sierra detected a snow water equivalent of 4.8 inches, 50 percent of the multi-year average for December 30. That compares favorably with last winter's first survey, when the snow water equivalent statewide was only 20 percent of normal, which tied with 2012 as the driest readings on record.

- **Urban Water Suppliers Show Progress In November Water Conservation Report:** On January 6, the State Water Board will release water conservation rates for the month of November as reported by large urban retail water agencies under the Emergency Conservation Regulation adopted in July 2014. The November report shows an increase from the month of October up to 9.7% from 6.7%. The State Water Board is now considering whether it should require additional conservation actions in 2015 based on information received at the December 17 conservation workshop. The State and Federal Water Project will discuss the 2015 Drought Operations Contingency Plan during their January 20 Board meeting, which will describe Project operations based on a range of possible future hydrologic scenarios.
- **Emergency Food Aid, Rental and Utility Assistance:** The Department of Social Services (CDS) has provided to date over 425,050 boxes of food to community food banks in drought-impacted counties. Approximately 376,500 boxes of food have been picked up by 199,769 households. By this Friday, January 9, an additional 11,280 boxes will be delivered to five counties. Local food banks continue to target food aid to residents most impacted by drought.

The non-profit group La Cooperativa continues to distribute the \$10 million state-funded emergency rental assistance to impacted families and individuals across counties most impacted by the drought. As of Thursday, December 25, the Department of Housing and Community Development (HCD) has reported that a total of \$8,364,371 is committed; and \$6,963,300 in funds has been issued to 4,316 applicants in 20 counties.

The Department of Community Services and Development (CSD) has created a \$600,000 program to help families pay their water bills. This program targets families through 10 agencies that are experiencing "exceptional" drought. As of Friday, December 26, CSD has reported that a total of \$479,308 has been issued to 2,590 households.

CSD has also implemented a \$400,000 Migrant and Seasonal Farmworker (MSFW) drought assistance program, in coordination with the California Human Development (CHD), Central Valley Opportunity Center (CVOC), Center for Employment Training (CET) and Proteus, which provides assistance in employment training and placement services to individuals impacted by the drought. As of Friday, December 26, 128 clients are enrolled in employment training programs, 21 clients have obtained employment, and 128 clients are receiving employment support services. CSD has also reported that a total of \$316,652 has been spent to assist participants in completing training employment programs.

- **Bay Delta Conservation Plan Refined to Lessen Impacts on Local Landowners:** In an effort to lessen impacts on Delta landowners and preserve sandhill crane habitat, the administration of Governor Jerry Brown and its federal partners announced several significant changes to the [water conveyance](#) portion of the proposed Bay Delta Conservation Plan, including eliminating a proposal to build three new pumping plants along the Sacramento River. Under the proposed changes, gravity – not large pumps – would move water in certain places along the Sacramento River. The changes would reduce the need for power and cut down on operation and maintenance costs, while at the same time preserving habitat for sandhill crane.

- **Water Saving Tips Promoted Across the State:** The state's newly improved water conservation website, [SaveOurWater.com](#), is promoting the "Don't Waste Summer" campaign. This campaign provides a new conservation tip each day for the 100 days of summer. Supporters can sign up for daily email tips, and share Save Our Water's [Twitter](#) and [Facebook](#) feeds for this public awareness campaign.
- **Drought Response Funding:** The \$687 million in state drought funding that was appropriated last March through emergency legislation continues to advance toward meeting critical needs. Nearly \$625 million of the emergency funds appropriated in March came from sources dedicated to capital improvements to water systems. Since March, state agencies have expedited grant approvals, getting \$21 million immediately allocated to grantees that were pre-approved for certain projects. As planned in March, the next \$200 million of expedited capital funding was awarded in October, and the remaining \$250 million will be granted by fall 2015. State government has also appropriated tens of millions in funding to CAL FIRE over its typical budget to enable staffing-up fire crews much earlier this fire season.
- **Governor's Drought Task Force:** The Task Force continues to take actions that conserve water and coordinate state response to the drought.

Local Government

- **Local Emergency Proclamations:** A total of 60 local Emergency Proclamations have been received to date from city, county, and tribal governments, as well as special districts:
 - **25 Counties:** Glenn, Inyo, Humboldt, Kern, Kings, Lake, Madera, Mariposa, Merced, Modoc, Napa, Plumas, Santa Barbara, San Bernardino, San Joaquin, San Luis Obispo, Shasta, Siskiyou, Sonoma, Sutter, Trinity, Tulare, Tuolumne, Yuba, and El Dorado.
 - **13 Cities:** City of Willits (Mendocino County), City of St. Helena (Napa County), City of Calistoga (Napa County), City of American Canyon (Napa County), City of Santa Barbara (Santa Barbara County), City of Montague (Siskiyou County), City of Live Oak (Sutter County), City of San Juan Bautista (San Benito County), City of Lodi (San Joaquin County), City of Portola (Plumas County), City of Ripon (San Joaquin County), City of Rio Dell (Humboldt County), and City of West Sacramento (Yolo County).
 - **9 Tribes:** Hoopa Valley Tribe (Humboldt County), Yurok Tribe (Humboldt County), Tule River Indian Tribe (Tulare County), Karuk Tribe (Siskiyou/Humboldt Counties), Sherwood Valley Pomo Indian Tribe (Mendocino County), Yocha Dehe Wintun Nation (Yolo County), Cortina Indian Rancheria (Colusa County), Kashia Band of Pomo Indians of the Stewarts Point Rancheria (Sonoma County), and Picayune Rancheria of Chukchansi Indians (Madera County).

- o **13 Special Districts:** Brooktrails Township (Mendocino County), Lake Don Pedro Community Services District (Stanislaus County), Placer County Water Agency (Placer County), Twain Harte Community Services District (Tuolumne County), Carpinteria Valley Water District (Santa Barbara County), Meiners Oaks Water District (Ventura County), Mariposa Public Utility District (Mariposa County), Goleta Water District (Santa Barbara County), Montecito Water District (Santa Barbara County), Tuolumne Utilities District (Tuolumne County), Mountain House Community Service District (San Joaquin County), Nevada Irrigation District (Nevada County), and Upper San Gabriel Valley Municipal Water District (Los Angeles County).
- **Water Agency Conservation Efforts:** The Association of California Water Agencies (AWCA) [has identified](#) several hundred local water agencies that have implemented water conservation actions. These water agencies [are responding to the drought](#) by implementing conservation programs, which include voluntary calls for reduced water usage and mandatory restrictions where water shortages are worst.
- **County Drought Taskforces:** A total of 30 counties have established drought task forces to coordinate local drought response. These counties include: Butte, Glenn, Humboldt, Imperial, Kern, Kings, Lake, Madera, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Orange, Placer, Plumas, Sacramento, San Francisco, San Joaquin, San Luis Obispo, San Mateo, Santa Barbara, Siskiyou, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, and Yolo.
- **Tribal Taskforce:** A total of 3 tribes have established drought task forces to coordinate tribal drought response. These tribes include: Hoopa Valley Tribe (Humboldt County), Yurok Tribe (Humboldt Counties) and Sherwood Valley Tribe (Mendocino County).

DROUGHT RELATED WEBSITES FOR MORE INFORMATION

[Drought.CA.Gov](#): California's Drought Information Clearinghouse

State's Water Conservation Campaign, [Save our Water](#)
Local Government, [Drought Clearinghouse and Toolkit](#)

California Department of Food and Agriculture, [Drought information](#)
California Department of Water Resources, [Current Water Conditions](#)
California Data Exchange Center, [Snow Pack/Water Levels](#)
California State Water Resources Control Board, Water Rights, [Drought Info and Actions](#)
California Natural Resources Agency, [Drought Info and Actions](#)
State Water Resources Control Board, Drinking Water, [SWRCB Drinking Water Program](#)
California State Water Project, [Information](#)

[U.S. Drought Monitor](#) for Current Conditions throughout the Region
[U.S. Drought Portal](#), National Integrated Drought Information System (NIDIS)
National Weather Service [Climate Predictor Center](#)

USDA Drought Designations by County [CA County Designations](#)
USDA Disaster and Drought Assistance Information [USDA Programs](#)
U.S. Small Business Administration Disaster Assistance Office: www.sba.gov/disaster

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CA State Water Resources Control Board



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Ombudsman & Tribal Liaison

Office of Public Participation

State Water Resources Board

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TOPICS TO BE DISCUSSED

1. Upcoming Water Rights & Water Quality Training for Tribes
2. Prop 1 Water Bond

TRIBAL TRAINING WATER RIGHTS & WATER QUALITY

- ❖ Potential Dates – May 2015
- ❖ Suggested potential sites/hosts
 - Lake County
 - Cabazon
 - Owens Valley
 - Other Suggestions welcomed.

PROP 1

CALIFORNIA WATER BOND

Water Board Program	Total Funds
Wastewater Treatment Projects	\$260,000,000
Safe Drinking Water	\$260,000,000
Stormwater Management Projects	\$200,000,000
Water Recycling	\$625,000,000
Groundwater Sustainability	\$800,000,000

- Proposition requires 30 days' notice of program guidelines prior to 3 workshops being held.
- Eligible Applicants - public agencies, 501(c)(3)s and tribes (including state tribes on the Native American Heritage Commission consult list) for Prop 1 resources.

SAFE DRINKING WATER

\$260,000,000

- Drinking water grants and loans for public water system infrastructure improvements and related actions to meet safe drinking water standards ensure affordable drinking water, or both.
- Regional project may include state small water system, or a private well that provide shared solution for multiple communities, at least one of which is a disadvantaged community that lacks safe drinking water.
- Construction grants limited to \$5 Million per project; \$20 Million per regional project where at least one entity is a small DAC.
- Severely DAC set aside: At least 10 percent of funds to severely disadvantaged communities.

CONTINUED...

SAFE DRINKING WATER

\$260,000,000

➤ O&M:

- Eligible expenses may include initial O&M for DACs, not to exceed a period of 2 years.
- Technical Assistance: Up to \$25 million for technical assistance.

➤ Required Match:

- Local cost share at least 50%; may be waived or reduced for projects directly benefiting DAC or economically distressed area.

➤ Apply for Funding:

http://www.waterboards.ca.gov/drinking_water/services/funding/SRF.shtm

WATER RECYCLING

\$625,000,000

- Funding of recycled water projects is allocated as loans and grants, not to exceed 50% of the grant funding, upon appropriation by the Legislature.
- Proposition required to follow Proposition 13 framework for funding various aspects of recycled water, including:
 - Construction loans and grants,
 - R&D grants, and
 - Planning grants.
- Repayments of loans administered under this framework provide for future grants and loans.
- Apply for Funding
http://www.waterboards.ca.gov/water_issues/programs/grants_loans/srf/srf_forms.shtml

WASTEWATER TREATMENT

\$260,000,000

- Grants for wastewater treatment projects.
- Priority shall be given to projects that serve disadvantaged communities and severely disadvantaged communities, and to projects that address public health hazards.
- Projects may include, but not be limited to, projects that identify, plan, design, and implement regional mechanisms to consolidate wastewater systems or provide affordable treatment technologies.
- Apply for Funding:
http://www.waterboards.ca.gov/water_issues/programs/grants_loans/srf/srf_forms.shtml

STORMWATER MANAGEMENT

\$200,000,000

- Grants for multi-benefit stormwater management projects.
- Eligible projects may include, but shall not be limited to:
 - Green infrastructure,
 - Rainwater and stormwater capture projects, and
 - Stormwater treatment facilities.
- Development of plans for stormwater projects shall address the entire watershed and incorporate the perspectives of communities adjacent to the affected waterways, especially disadvantaged communities.

GROUNDWATER SUSTAINABILITY

\$800,000,000

- Competitive grants, and loans for, projects to prevent or clean up the contamination of groundwater that serves or has served as a source of drinking water.
- Furthermore, for projects necessary to protect public health by preventing or reducing the contamination of groundwater that serves or has served as a major source of drinking water for a community.

CONTINUED...

GROUNDWATER SUSTAINABILITY

\$800,000,000

Projects shall be prioritized based upon five (5) criteria:

- 1) The threat posed by groundwater contamination to the affected community's overall drinking water supplies, including an urgent need for treatment of alternative supplies or increased water imports if groundwater is not available due to contamination.
- 2) The potential for groundwater contamination to spread and impair drinking water supply and water storage for nearby population areas.
- 3) The potential of the project, if fully implemented, to enhance local water supply reliability.

CONTINUED...

GROUNDWATER SUSTAINABILITY

\$800,000,000

Criteria continued:

- 4) The potential of the project to maximize opportunities to recharge vulnerable, high-use groundwater basins and optimize groundwater supplies.
- 5) The project addresses contamination at a site for which the courts or the appropriate regulatory authority has not yet identified responsible parties, or where the identified responsible parties are unwilling or unable to pay for the total cost of cleanup, including water supply reliability improvement for critical urban water supplies in designated superfund areas with groundwater contamination listed on the National Priorities List established pursuant to Section 105(a)(8)(B) of the federal Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. Sec. 9605(a)(8)(B)).

CONTACTS



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SUPPORT TO NATIVE AMERICAN TRIBES

Captain Kara Siepmann

Counterdrug Operations

OUR MISSION



- CDTF's mission is to disrupt illicit drug production and trafficking statewide through a prioritized use of Soldiers and Airmen to provide intelligence, criminal analysis, ground tactical operations and aerial observation.
- Teams also support statewide Civil Operations efforts by partnering with antidrug coalitions, supporting strategic planning, community assessments, and operational planning.
- Since 2006, CDTF support has aided in the seizure of over \$185 billion of illegal drugs, weapons, currency and property.

MISSION CATEGORIES



- Criminal Analyst & Technical Support
- Reconnaissance/ Observation
- Training
- Civil Operations
- General Support
- Aviation Support

Yurok Public Safety Department, Hoopa Tribal Police, BIA, Humboldt County SO, Humboldt County Drug Task Force, DEA, BLM, NSMIT, California DOJ, Department of Fish and Wildlife, Siskiyou Drug Task Force, Marin County SO, CDC, CHP, Cal Fire



From 20 JULY-02AUG 2014, 10x CDTF, Ground Tactical personnel, assisted the Yurok Public Safety Department and various Federal, State, and County agents in the execution of 43 search warrants/raids via perimeter security and the eradication of an illegal Marijuana cultivation sites within the Yurok Indian Reservation (Humboldt County), CA. The search of the locations netted the eradication of 14,936 marijuana plants, 375 lbs. of processed marijuana, seizure of silver coins worth \$8,000 and \$2,000 cash. The operation disrupted the FY15 production and sales for CA DTO's and helped preserve the water supply to the Yurok Indian Reservation.



OPERATION TULE RIVER



CDTF from 25-29 Aug 2014 participated in Operation Tule River a domestic cannabis eradication and reclamation operation in support of the Tule River Indian Reservation in Tulare County, CA. Operation Tule River successfully eradicated 17 grow sites, yielding 13,698 plants valued at \$41,094,000. Removed 10 miles of irrigation lines, 12,000 pounds of trash, and restored the water diversion of 7 man made reservoirs back to the Tule River.





Questions
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Legislation

History

Groundwater management is outlined in CA Water Code, Division 6, Part 2.75, Chapters 1-5, Sections 10750-10755.41

Assembly Bill 3030 – Groundwater Management Act

Signed in law in 1992, provided systematic procedure for existing local agencies to develop Groundwater Management Plans (GMPs)

Senate Bill 1938

Signed into law in 2002, modified Groundwater Management Act, requiring public agencies seeking state funds for groundwater projects to prepare and implement GMPs with specific components

Assembly Bill 359

Signed into law in 2011, modified the Groundwater Management Act, requiring public agencies to prepare and implement GMPs with additional focus on identifying groundwater recharge areas, and identified procedural changes

Tribal Governments & the Legislation Sustainable Groundwater Management Act

- **A majority of California's tribal lands rely on groundwater as their primary source of water** because they were created in areas where surface or imported water is not available. Consequently, many reservations overlie groundwater basins for which Plans will be created.
- The Act requires that each Groundwater Sustainability Agency (Agency) consider the **interests of all beneficial users of groundwater in the basin, including Native American Tribes.** (Water Code § 10723.2).
- At the same time, **the Act recognizes Tribal sovereignty**, stating that it applies to Tribes and the federal government only “to the extent authorized under federal or tribal law.” (*Water Code § 10720.3(b)*).
- **The Act encourages Tribes to voluntarily participate in the preparation or administration of a Groundwater Sustainability Plan (Plan)** through a “joint powers authority or other agreement with local agencies in the basin.” (*Water Code § 10720.3(c)*).
 - **A participating Tribe can assist with planning, financing, and management under the Plan, and is eligible for “grants and technical assistance” to help the Tribe exercise its inherent regulatory authority to regulate groundwater use.**
- While the Act invites Tribal participation in the Plan process, **absent Tribal approval, the requirements of a Plan do not apply to a Tribe's use of groundwater.**
- The Act recognizes that in any judicial adjudication of groundwater rights or in the implementation of a Plan, **“federally reserved water rights to groundwater shall be respected in full” and that if there is any conflict “between federal and state law in that adjudication or management, federal law shall prevail.”** (Water Code § 10720.3(d)). The Act states that this language is “declaratory of existing law.”

Legislation

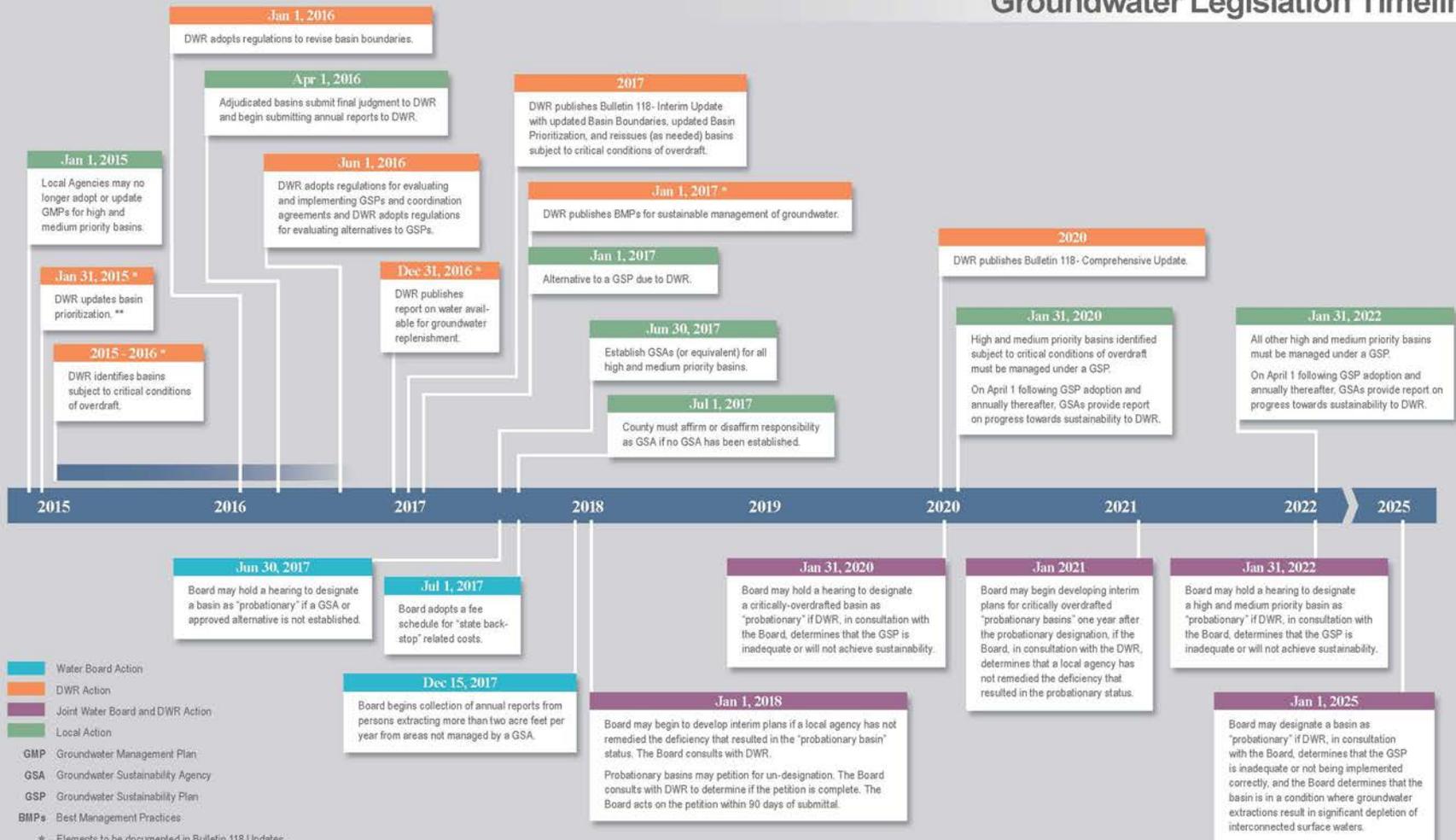
Sustainable Groundwater Management Act

- Establishes definition of “sustainable groundwater management”
- Groundwater best managed at the local level; gives local agencies flexibility to meet minimum standards
- Requires Groundwater Sustainability Plan (GSPs) be adopted for high and medium priority basins; low and very low priority basins exempt, but plan adoption recommended
- Establishes timeline for adoption of GSPs
- Empowers local agencies to manage basins sustainably
- Establishes basic requirements for GSPs
- Provides for limited state role

Legislation

Implementation

Groundwater Legislation Timeline

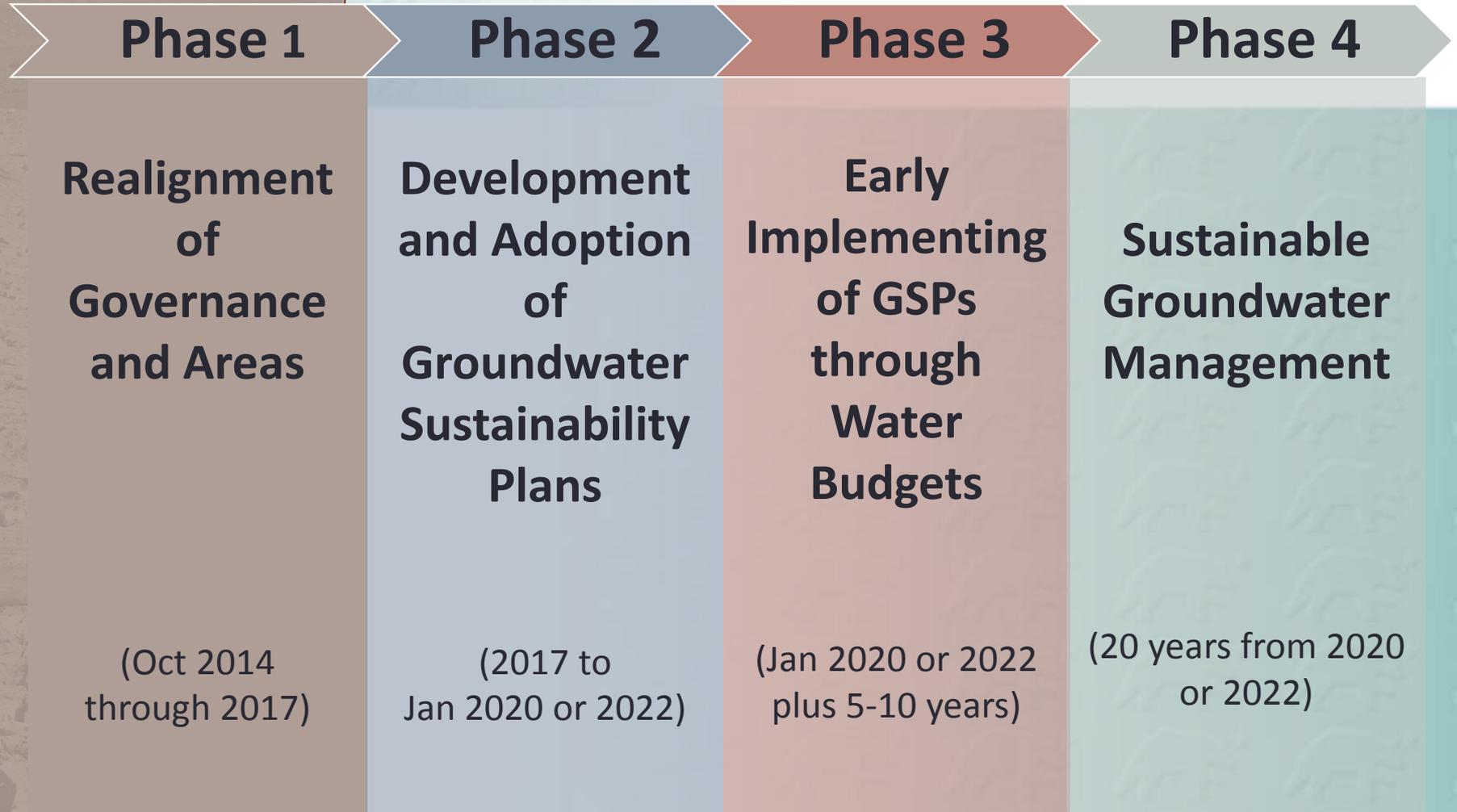


- Water Board Action
- DWR Action
- Joint Water Board and DWR Action
- Local Action
- GMP** Groundwater Management Plan
- GSA** Groundwater Sustainability Agency
- GSP** Groundwater Sustainability Plan
- BMPs** Best Management Practices

* Elements to be documented in Bulletin 118 Updates
 ** Basin prioritization will be updated prior to each Bulletin 118 Update (estimated to be every 5 years)

DWR Actions

Phased Approach to Implementation



DWR Actions

Near Term Implementation

- Basin Prioritization
- Overdraft Conditions
- Regulation Adoption
- Groundwater Sustainability Plans
- Bulletin 118 Update
- Draft Strategic Plan
 - Vision
 - Goals & Objectives
 - Feedback
 - Challenges and Opportunities

DWR Actions

Communications & Outreach

- **Commitment** to ongoing exchange of information
- Public and stakeholder engagement, **interaction in all aspects** of implementation
- DWR is in the **initial stages** of developing strategies for implementation
- DWR plans to go **above and beyond** what is outlined in the legislation in its commitment to information, communication, and outreach
- DWR is currently working on plans to **ensure tribal governments, local agencies, and public input**

DWR Websites

Groundwater Information

<http://www.water.ca.gov/groundwater/>

<http://www.water.ca.gov/groundwater/sgm/index.cfm>

**More website information and updates for DWR's SGMP coming soon.*

Contact Information

Lauren Bisnett, Information
Officer, Department of Water
Resources

*Sustainable Groundwater
Management Program (SGMP)*

(916) 653-7564

Department of Water Resources



Erin Chappell, Senior Environmental Scientist

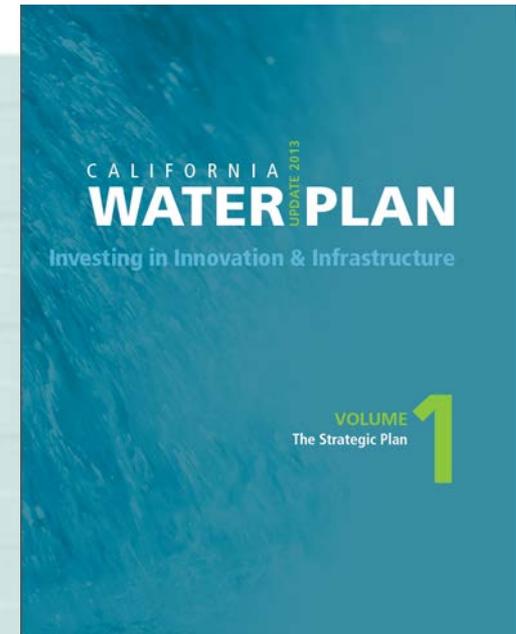
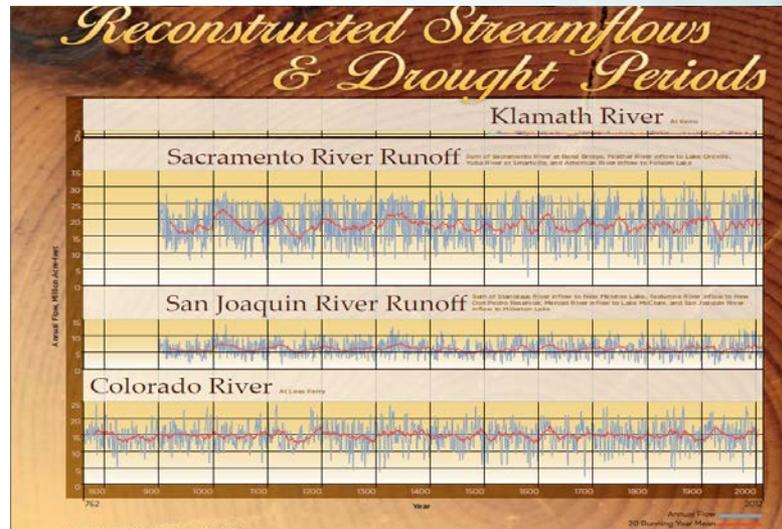
North Central Region Office

CHAPPELL@WATER.CA.GOV

(916) 376-9633

Recent Activities

- ❖ CA Water Plan Update 2013
- ❖ CA-LCC TEK Training Workshop
- ❖ Paleoclimate Tree Ring Study



California Water Plan Update 2013

Climate Change Content

❖ Volume 1: CA Water Today

- Statewide Impacts
- Adaptation and Mitigation
- Water Energy Nexus

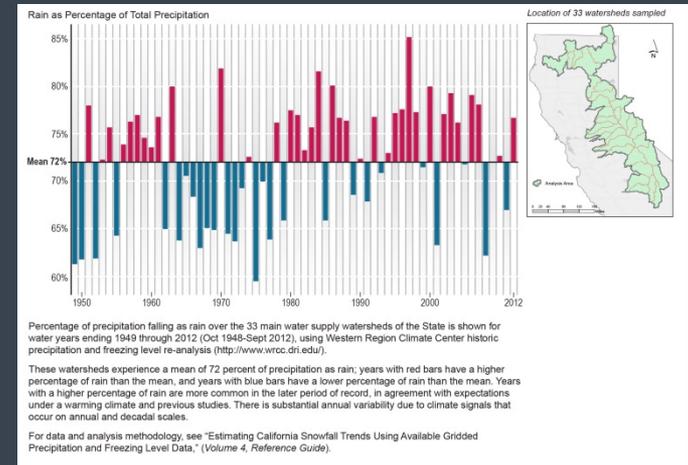
❖ Volume 2: Regional Reports

- Region Specific Impacts
- Energy Intensity Information -

(<http://www.water.ca.gov/climatechange/water-energy.cfm>)

❖ Volume 3: Resource Management Strategies

- Climate Change Implications of Each RMS



Traditional Ecological Knowledge Training Workshop

- ❖ Workshop sponsored by CA-LCC and DWR
- ❖ Purpose – training for natural resource managers and scientists to help foster ability to partner with tribes and understand traditional ecological knowledge
- ❖ Presentations available at: <http://climate.calcommons.org>

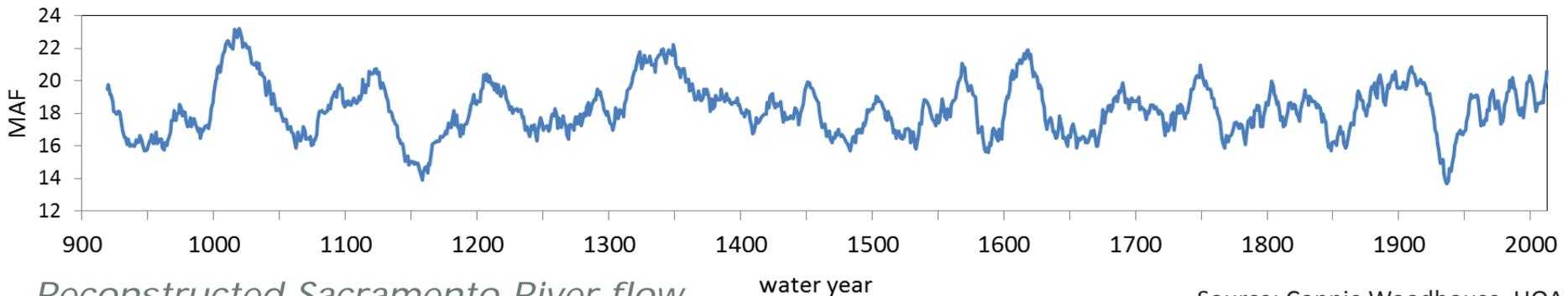


Paleoclimate Tree Ring Study

Key Findings

- ❖ **Instrumental period (1906-2012) has been extremely variable in the long-term hydroclimatic context**
- ❖ The 1920s-30s contained severe drought - even in millennium-context - but instrumental period does not contain the driest single years or multi-decadal (50-yr) periods
- ❖ **Comparison of reconstructed flow in the Klamath, Sacramento, and San Joaquin basins suggests region-wide droughts occur.**

Report: http://www.water.ca.gov/waterconditions/docs/tree_ring_report_for_web.pdf



Reconstructed Sacramento River flow

water year

Source: Connie Woodhouse, UOA

Department of Water Resources



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Cell (916) 216-8637

Indian Health Service California Area
Office of Environmental Health &
Engineering (OEHE)



Donald Brafford, Director,

Luke Schulte, Environmental Engineer Consultant

Gordon Tsatoke, Division Director



Tribal water systems at high risk due to drought conditions:

Updated January 15, 2015— Updates will be made as conditions change and information becomes available.



Map #	Tribe	System Name	# of Indian Home
11	Sherwood Valley	Original Sherwood Valley Rancheria	16
5	Yurok	Owl Creek	8
5	Yurok	Kepel	17
5	Yurok	Wautec (aka Johnson's Village)	14
12	Redwood Valley Rancheria	Redwood Valley County Water District	31
14	Coyote Valley	n/a	33
24	Tule River	Main	282
18	Ione Band of Miwoks	n/a	13
10	Grindstone Rancheria	n/a	51
15	Cortina	n/a	6
30	Santa Ysabel	Main	84
21	Big Sandy	Main	46

Total Systems to Date = 12

IHS CALIFORNIA AREA DROUGHT WEBSITE



CA Home CA Site Map CA Member Portal Access

HEALTH PROGRAMS TRIBAL CONSULTATION NEWS & EVENTS ABOUT US OFFICES FAOS

California Area
INDIAN HEALTH SERVICE

Drought 2014
Planning for drought conditions and possible impacts to Indian community water systems.
[LEARN MORE](#)

CA Member Portal Access

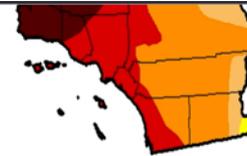
WHAT'S NEW
5/19/14 - 5/21/14
[2014 Providers Best Practices & GPRA Measures Continuing Medical Education](#)
APRIL 25, 2014
[FY 2014 Q3 GPRA Reporting Instructions](#)
MARCH 27, 2014
[Southern California Youth Regional Treatment Center \(link to non-IHS.gov site\)](#)
This is a SOURCE SOUGHT SYNOPSIS
Solicitation Number: 14-161-SOL-00010
APRIL 9, 2014
[State of California - Health Advisory - Measles Update](#)
Measles activity continues to be high in California this year.
4/22/14 - 4/24/14
[RPMS QMAN/VGEN/Reporting](#)
MAY 1, 2014
[RPMS Immunization Package 101](#)
MAY 22, 2014
[California Special Diabetes Program for Indians \[SDPI\] Meeting](#)
MARCH 20, 2014
[Doing Business with IHS \(PDF\)](#)
PowerPoint presentation on doing business with IHS, from the OEH&E Sanitation Facilities Construction department.
JUNE 23-26, 2014

FOR PATIENTS FOR HEALTH CARE PROFESSIONALS TRIBAL RESOURCES

CA Area Director's Message
April is Alcohol Awareness Month
[Read More >](#)

Mission Statement
The overall mission of the Indian Health Service (IHS) is to raise the physical, mental, social and spiritual health of American Indians and Alaska natives (AI/AN) to the highest level.
[Read More >](#)

California YRTC Project
IHS California Area Office is planning to build California's first IHS-operated Youth Regional Treatment Centers (YRTC).
[Read More >](#)



AUTHOR:
David Simeral
Western Regional Climate Center



<http://droughtmonitor.unl.edu/>

Source: National Drought Mitigation Center at the University of Nebraska

General drought facts/information:

[Map of Drought Locations in California](#) ↗ University of Nebraska

[Saving our Water](#) ↗ Save our Water

[California Water Fact Sheet \(EPA\)](#) ↗ (PDF) Environmental Protection Agency

Drought contingency planning tools/resources:

[Drought Assessment Form for Tribal Drinking Water Systems](#) (PDF)

[Map of California Tribal Water Systems at Highest Risk Due to Drought Conditions](#) (PDF)

[Drought Contingency Plan TEMPLATE](#) (DOCX)

[List of local Office of Emergency Services by County](#) ↗ State of California, Offices of Emergency Services

[Free California Drinking Water Workshops](#) ↗ (PDF) Rural Community Assistance Corporation

[Emergency Community Water Assistance Grants \(USDA\)](#) ↗ (PDF) US Department of Agriculture

[US Bureau of Reclamation Water Shortage Contingency/Drought Planning Handbook](#) ↗ (PDF) US Bureau of Reclamation

[List of California licensed water haulers](#) ↗ (PDF) State of California, Department of Public Health

Public health tools/resources:

[Emergency Preparedness - Hospital Water Disruption Best Practices](#) ↗ California Hospital Association

[When Every Drop Counts: Protecting Public Health During Drought Conditions](#) ↗ (PDF) Centers for Disease Control and Prevention

[Public Health and Drought](#) ↗ (PDF) Centers for Disease Control and Prevention

IHS Local Area Office Drought Contact

Listed below are the Indian Health Service office locations and contacts for drought assistance. Please contact the office nearest you.

Location	Primary contact name	Phone number
Arcata Field Office	Barry Jarvis	707-822-1688
Redding District Office	Andy Huray	530-246-5339
Ukiah Field Office	Charles Thompson	707-462-5314
Sacramento District Office	David Mazorra	916-930-3960
Clovis Field Office	Matt Mergenthaler	559-322-7488
Escondido District Office	Sean Bush	760-735-6880

For additional information on the field offices and contacts, please see the IHS California Area website at: <http://www.ihs.gov/california/index.cfm/about-us/field-offices/>

US Environmental Protection Agency Region 9 (US EPA)



Loretta Vanegas, Tribal Grants Project Officer

Water Tribal Section

Vanegas.Loretta@epa.gov

(415) 972-3433

Interagency Meeting on Tribal Drought

- January 22, 2014 – Sacramento, CA
- Tribal drought interagency meeting among state and federal agencies to identify and coordinate sources of funding and technical resources to develop sustainable drought mitigation projects.
- Expected Attendees:
 - BIA, BOR, CalOES, CA DWR, CA Gov, FEMA, HHS, HUD, IHS, NOAA-NWS, USDA-RD
- Follow-Up Details presented at next month's Call

Open Forum for Tribal Feedback and Discussion

1. Tribal Chairman
2. Tribal Designee
3. Open Forum

Governor's Drought Task Force Government-to-Government Conference Webinar/ Call Meetings

SAVE THE DATE:

- Tuesday, March 17, 2015
- Tuesday, May 19, 2015



THANK YOU

Cynthia Gomez

Tribal Advisor

Office of Tribal Advisor

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