



OFFICE OF THE GOVERNOR

Monthly Statewide Tribal Consultation Call on 2014 Drought

July 28, 2014

Monthly Tribal Consultation Webinar on 2014 Drought Response – July 28, 2014 Agenda

- Welcome and Introductions
- Current Update on Drought Regional Administrator & Liaison Contact Information, Operational Weekly Calls
- Water Curtailments – Update Emergency Regulations, Tribal Training for California Water Rights (10/7/14)
- Groundwater Legislation
- Groundwater-Related Water Activities, California Statewide Groundwater Elevation Monitoring (CASGEM) Basin Prioritization
- Marijuana Eradication – Yurok Tribal Land: Raid Targets Illegal Marijuana Farms on California Tribal Land
- Updates and GAP Funds – US Environmental Protection Agency, Region 9
- Updates and Activities – Bureau of Indian Affairs
- Comments/Open Discussion
- Closing Remarks

State and Federal Partners

Participating

- **Cynthia Gomez**, Governor's Tribal Advisor
- **Nancy Ward**, Deputy Director (CalOES)
- **Caren Trgovcich**, Chief Deputy Director (SWRCB)
- **Debbie Davis-Franco**, Community & Rural Affairs Advisor (OPR)
- **Anecita Agustinez**, Tribal Policy Advisor (DWR)
- **Tom Lutterman**, Senior Engineer Geologist (DWR)
- **Scott Woodland**, Supervising Engineer (DWR)
- **Kasey Schimke**, Assistant Director Legislative Affairs (DWR)
- **Erskine Benjamin**, Environmental Engineer (US EPA)
- **Douglas Garcia**, Regional Water Rights Specialist (BIA)
- **Charles Jachens**, Region Drought Coordinator (BIA)
- **Luke Schulte**, P.E. Area Environmental Engineer Consultant (IHS)

Governor's Office of Emergency Services



Nancy Ward
Deputy Director
Cal OES



Weekly Drought Brief Monday, July 21, 2014

CURRENT CONDITIONS

Fire Activity: CAL FIRE has responded to 3,348 wildfires across the state since January 1, burning 36,763 acres. This year's fire activity is well above the year-to-date average of 2,449 wildfires on 30,088 acres. CAL FIRE responded to over 190 new wildfires last week, including the Bully Fire in Shasta County, which has burned a total of 11,700 acres.

Reservoir Levels (% capacity): [Reservoir Levels](#) as of July 17 remain low, including: Don Pedro 47%; Exchequer 23%; Folsom Lake 44%; Lake Oroville 38%; Millerton Lake 56%; New Melones 28%; Pine Flat 23%; San Luis 26%; Lake Shasta 37%; and Trinity Lake 39%. An update of water levels at [other smaller reservoirs](#) is also available.

Vulnerable Water Systems: The State Water Board's Drinking Water Program is providing 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. This week, over \$8.4 million has been identified for specific emergency drinking water projects out of \$15 million appropriated in March for this purpose. Updated information can be found at the [CDPH Drinking Water Program](#) website during the three (3) month transition period. For more information regarding the transfer, please visit the [State Water Board's Drinking Water](#) website.

Recent precipitation: Thunderstorms developed across the Sierra and southern Cascades over the weekend, resulting in some precipitation. Precipitation amounts widely varied across California with many areas experiencing less than 0.25" of rain, however, there were some scattered amounts averaging between 0.5" and 0.8". Precipitation totals (in inches) from Friday, July 18 through Monday, July 21:

- **Bloods Creek:** 1.39" in the last week.
- **Cascade-Sierra:** 0.50" - 1.00" in the last week.
- **Cherry Valley Weather Station:** 1.93" in the last week.
- **Central Coast:** 0.10" in the last week.
- **Fresno County:** 0.50" - 1.00" in the last week.
- **Hetch Hetchy:** 1.32" in the last week.
- **Inyo County:** 0.10" - 0.20" in the last week.
- **Lake Tahoe Area:** 0.10" - 0.50" in the last week.
- **Mono County:** 0.10" - 0.20" in the last week.
- **Sacramento Valley:** 0.10" in the last week.
- **San Joaquin Valley:** 0.10" in the last week.
- **South Coast:** 0.10" in the last week.
- **Stanislaus Meadow:** 2.24" in the last week.
- **Woodfords:** 1.60" in the last week.
- **San Francisco:** No precipitation reported.

KEY ACTION ITEMS FROM THIS WEEK

- **Lady Gaga Calls on Californians to Help Save our Water:** International pop superstar and five-time Grammy winner [Lady Gaga has released a Public Service Announcement \(PSA\)](#) asking Californians to join the effort and take extraordinary measures to save water during the drought. The PSA is available on [SaveOurWater.com](#), a new site designed to help Californians find ways to conserve at home and at work every day.
- **State Water Board Adopts Emergency Regulations to Reduce Urban Outdoor Water Use:** The Water Board adopted statewide [emergency water conservation regulations](#) on Tuesday, July 15, which establishes individual temporary prohibitions like lawn-watering that causes runoff, hosing down driveways and using decorative fountains that don't recirculate water. Violations may be punishable by fines of up to \$500. The emergency regulations also require all water suppliers to file monthly reports on water use and production, and to implement water shortage contingency plans to a level where outdoor irrigation restrictions are mandatory. It is anticipated that the regulations will go into effect by Friday, August 1.

Last month, water agencies serving California's cities and towns [provided updates](#) to the Water Board on current water consumption. These updates, combined with a statewide survey of water agencies' conservation actions, have informed the Water Board's proposed emergency water conservation regulations. Also, the Governor's April [Proclamation of Continued Emergency Drought](#) called on residents to limit outdoor irrigation and prevent wasteful water practices, and directed water agencies to prevent water waste.

- **ACWA's Tim Quinn Discusses New State Regulations on PBS News Hour:** The recent mandatory water restrictions put in place by the state were the topic of an [interview](#) on Wednesday, July 16 by Judy Woodruff during the PBS News Hour of Timothy Quinn, ACWA Executive Director and Craig Miller of KQED.
- **Emergency Curtailment Regulations and Enforcement:** The proposed [emergency curtailment regulations](#) adopted on Wednesday, July 2, were approved by the Office of Administrative Law (OAL) on Thursday, July 18. These regulations enable the Water Board to [issue curtailments](#) to additional junior water right holders on a real-time basis. The Water Board staff will continue to inspect surface water diversions in all watersheds where curtailment notices have been issued.

The Water Board is currently evaluating flows on the main stem of the Eel River and may lift the curtailment notices put in place several weeks ago due to recent increased bypasses from PG&E's operations. Curtailment notices on the North Fork off the Eel River will remain in place and curtailment orders may be issued to water right holders on the Middle Fork of the Eel River in the coming 1-2 weeks.

- **The UC Davis Study's Preliminary Results Show Drought Impacts in the Central Valley:** The UC Davis (UCD), Center for Watershed Sciences, released its updated estimates of the drought's economic effects on agriculture and the Central Valley the National Press Club on Tuesday, July 15. The study shows that an additional 428,000 acres may be fallowed, as many as 17,100 seasonal and part-time jobs lost and an economic cost of approximately \$2.2 billion. [Watch the briefing at the UCD Center for Watershed Sciences website.](#)
- **The Central Valley, Particularly the Tulare Basin, will be Hardest Hit:** The Central Valley is hardest hit, particularly the Tulare Basin, with projected losses of \$810 million, or 2.3 percent,

in crop revenue; \$203 million in dairy and livestock value; and \$453 million in additional well-pumping costs. For an [overview of the UCD drought study assessment](#) visit the California Department of Food & Agriculture webpage.

- **Emergency Food Aid, Rental and Utility Assistance:** The California Department of Social Services (CDSS) has provided to date over 131,400 boxes of food to community food banks in drought-impacted counties. Approximately 93,600 boxes of food have been picked up by 48,162 households. By this Friday, July 25, an additional 13,200 will be delivered to six counties. Local food banks are targeting this food aid to residents most impacted by the 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, July 10, the Department of Housing and Community Development (HCD) has reported that a total of \$641,706 is committed; and \$348,017 in funds has been issued to 410 applicants in 18 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 in 10 counties that are experiencing "exceptional" drought.

- **Deadline Nearing to Apply for \$200 million in Drought Grants:** Water agencies have until Monday, July 21, to submit applications to the State Department of Water Resources for \$200 million in [Integrated Regional Water Management](#) (IRWM) grants that has been expedited by emergency drought legislation passed in March.
- **San Jose's New High-Tech Water Purification Plant to Expand Recycled Water Use:** Silicon Valley water officials on Friday, July 18, [took a big step toward expanding the use of recycled water](#) when they cut the ribbon at a \$72 million high-tech water plant in Alviso. The plant will produce billions of gallons of highly purified water for Santa Clara County over the next decade.
- **San Diego Invests in Local Water Storage:** On Wednesday, July 16, regional officials in San Diego County completed the biggest local water storage project in its history by raising the San Vicente Dam. The \$838 million expansion more than doubled the dam's capacity to 242,000 acre-feet. An acre-foot of water can provide supplies for two families for a year. The reservoir is designed to store surplus water during wet years for use during drought or other supply interruptions.
- **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.
- **Save Our Water Does Double Duty at State Fair, Hosts Exhibits Featuring Indoor and Outdoor Water Saving Tips:** The drought is on and so is the California State Fair. This year, the [Save Our Water campaign](#) is doubling down its messaging on conservation by hosting two exhibits at the fair – one on indoor water conservation and the other on outdoor conservation. [Visit the State Fair](#) to see first-hand what you can do in and around your home.

- **Open Burn Ban in Affect across the State:** Open burning continues to be prohibited on 31 million acres of land across the state due to the [burn ban that CAL FIRE](#) has directed through the coordination of its unit chiefs. This ban on open burning in state responsibility areas (outside of cities and towns) reduces wildfire danger amidst extremely dry conditions.
- **Drought Response Funding:** \$687 million in state drought funding that was appropriated in March through emergency legislation continues to advance toward meeting critical needs. Over \$61 million of this funding addresses emergency water needs, food aid and housing assistance to drought-impacted communities. Nearly \$21 million of those funds are already in communities providing assistance and additional funds are being readied as drought impacts worsen. 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 over \$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 will be awarded this fall, with the remaining \$250 million granted by mid next-year. 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 Taskforce continues to meet daily to take actions that conserve water and coordinate state response to the drought.

Local Government

- **Local Emergency Proclamations:** A total of 51 local Emergency Proclamations have been received to date from city, county, and tribal governments, as well as special districts:
 - **21 Counties:** Glenn, Inyo, Humboldt, Kern, Kings, Lake, Madera, Mariposa, Mendocino, Merced, Modoc, Santa Barbara, San Joaquin, San Luis Obispo, Shasta, Siskiyou, Sonoma, Sutter, Tulare, Tuolumne, and Yuba.
 - **12 Cities:** Brooktrails Township (Mendocino County), 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 Ripon (San Joaquin County), and City of Rio Dell (Humboldt County).
 - **7 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), and Cortina Indian Rancheria (Colusa County).
 - **11 Special Districts:** 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).

- **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 26 counties have established drought task forces to coordinate local drought response. These counties include: Butte, Kern, Kings, Lake, Madera, Mendocino, Merced, Modoc, Monterey, Nevada, Orange, Placer, Plumas, Sacramento, San Joaquin, San Luis Obispo, San Mateo, Santa Barbara, Siskiyou, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, and Napa.
- **Tribal Taskforce:** One tribe has established a drought task force to coordinate tribal drought response. This tribe includes: Hoopa Valley Tribe (Humboldt 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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SWRCB

WATER RIGHTS CURTAILMENTS

Curtailment Notices Mailed

- Scott River - May 16th
Affected all Decreed Surplus Class Right and Post-1914 rights
 - Sacramento River - May 27th
Affected all Post-1914 rights
 - San Joaquin River - May 29th
Affected all Post-1914 rights
 - Russian River - May 28th
Affected Post-1914 rights with priority date after 1954 and located upstream of Dry Creek confluence with Russian River
 - Eel River- June 30th
Affected all Post-1914 rights
-
- **Total of 9,635 water rights curtailed.**

SWRCB FIELD INVESTIGATIONS TO CHECK COMPLIANCE

Inspections prioritized based on:

- **Size of Diversion**
- **Season of Division**
- **Geographic Location**
- **Flow Conditions**
- **Responses to Curtailment Certification Form**
- **To date 369 inspections conducted**

SWRCB WATER CONSERVATION EMERGENCY REGULATIONS

- Regulation Requirements

1. Prohibits certain types of water use
2. Order for all urban water suppliers to implement mandatory conservation measures
3. Order for water suppliers with 3000 or more service connections to provide monthly data on water production

SWRCB WATER CONSERVATION EMERGENCY REGULATIONS

- Temporary Water Restrictions

- 1) The direct application of water to any driveway or sidewalk for washing
- 2) Watering of outdoor landscapes that cause excessive runoff
- 3) Using a hose to wash a motorized vehicle, unless the hose is fitted with a shut-off nozzle
- 4) Using potable water in a fountain or decorative water feature, unless the water is recirculated

SWRCB TRIBAL TRAINING WATER RIGHTS & WATER QUALITY

Topics Include:

- Overview of California water rights system, including complaints and protests
- Funding opportunities and processes
- Use of Water Board databases
- Integrated Regional Water Management Plans
- Beneficial use designations

Training will be held on October 7th

Governor's Office of Planning and Research (OPR)



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OPR

California Water Action Plan

- California Water Action Plan (WAP) released in January, 2014. [A link to the plan it is here: <http://www.calepa.ca.gov/Publications/Reports/2014/WaterPlan.pdf>]
- The WAP identified a number of actions the state will take in the next 1 to 5 years to put the state on a path to sustainable water management Sustainable Groundwater Management was one element of the WAP The Administration developed a groundwater proposal [Link: www.groundwater.ca.gov The Legislature has also taken up the issue and there are two bills SB 1168 (Pavley) and AB 1739 (Dickinson)]

OPR

California Water Action Plan

- The general approach has two components:
 - Ensure that the locals have the tools, resources, and funding necessary to manage groundwater sustainably; and provide a State backstop when locals are not able to or choose not to manage sustainably.
- The Process:
 - The bills are being amended and new language will be available Monday. There will be a stakeholder meeting next week to solicit feedback on the amended bills. There will be two additional opportunities to amend the bills in August.



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DWR

Groundwater Monitoring Bill

- **Senate Bill x7-6, CWC 10920 et seq.**
(effective January 2010)
- **Established a voluntary Statewide groundwater monitoring program**
 - **“Monitoring Entities” will regularly and systematically monitor and report groundwater elevations to demonstrate seasonal and long-term trends**
 - **Groundwater data is “readily and widely available” to the public**

DWR

CASGEM Program Overview

- **CASGEM Program components:**
 - DWR collaboration with local agencies
 - Agencies collect groundwater elevation data
 - Data are readily and widely available to public
 - DWR to prioritize and evaluate groundwater basins
 - Prepare reports for the Governor and Legislature

www.water.ca.gov/groundwater/casgem

CASGEM Basin Prioritization Process

The CASGEM basin prioritization process included an initial review and screening of groundwater basins for inclusion in the overall basin prioritization, followed by a more detailed analysis, review, and consideration of the **eight data components** stipulated in the CASGEM legislation listed below.

1. The population overlying the basin,
2. The rate of current and projected growth of the population overlying the basin,
3. The number of public supply wells that draw from the basin,
4. The total number of wells that draw from the basin,
5. The irrigated acreage overlying the basin,
6. The degree to which persons overlying the basin rely on groundwater as their primary source of water,
7. Any documented impacts on the groundwater within the basin, including overdraft, subsidence, saline intrusion, and other water quality degradation,
8. Any other information determined to be relevant by the department.

DWR June 2014 CASGEM Basin Prioritization Report

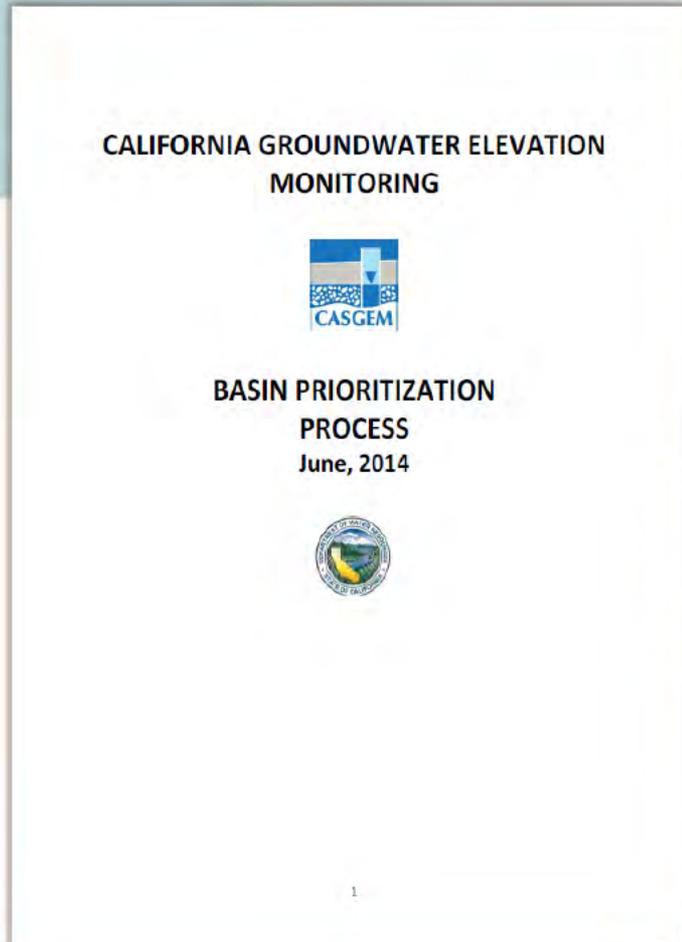


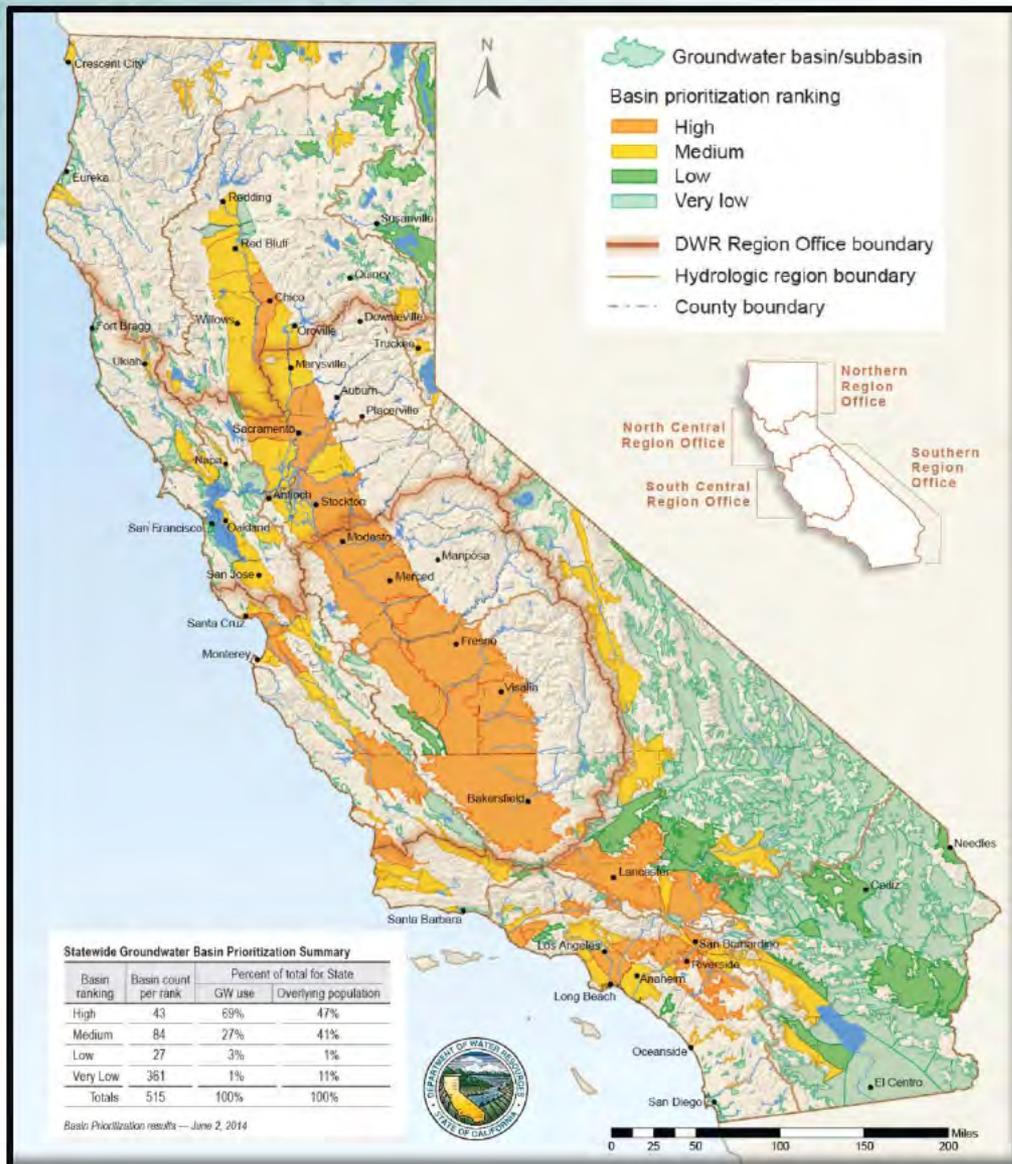
Table 1. Statewide Summary of CASGEM Groundwater Basin Prioritization

Basin Priority Ranking	Basin Count	Percent of Total	
		GW Use	Overlying Population
High	43	69%	47%
Medium	84	27%	41%
Low	27	3%	1%
Very Low	361	1%	11%
Totals:	515	100%	100%

Report Provides....

- a) Overview of the CASGEM groundwater basin prioritization results
- b) Explanation of how the basin prioritization results may be used
- c) Summary of the rationale used in the development of the CASGEM basin prioritization

DWR-CASGEM Basin Prioritization



Statewide Breakdown

Basin Ranking	Basin Count per Rank	Percent of Total for Hydrologic Region	
		GW Use	Overlying Population
High	43	69%	47%
Medium	84	27%	41%
Low	27	3%	1%
Very Low	361	1%	11%
Totals	515	100%	100%

127 High & Medium Priority basins cover ...

- 96% of California's annual groundwater pumping
- 88% of California's population (overlying the gw basins)

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

DWR

CASGEM Basin Prioritization

Breakdown by Hydraulic Region

Hydrologic Region (HR)	CASGEM Groundwater Basin Ranking				HR Basin Count	Percent of Totals for High & Medium Ranked Basins	
	High Ranking Range ≥ 21.08	Medium Ranking Range 21.07 – 13.43	Low Ranking Range 13.42 – 5.75	Very Low Ranking Range < 5.75		GW Use*	Overlying Population*
North Coast	0	8	2	53	63	82%	62%
San Francisco Bay	0	7	0	26	33	90%	63%
Central Coast	9	15	0	36	60	97%	90%
South Coast	13	22	4	34	73	99%	94%
Sacramento River	5	18	4	61	88	96%	98%
San Joaquin River	7	2	0	2	11	100%	100%
Tulare Lake	7	1	1	10	19	99%	98%
North Lahontan	0	2	3	22	27	12%	55%
South Lahontan	2	4	4	67	77	84%	96%
Colorado River	0	5	9	50	64	82%	61%
Statewide:	43	84	27	361	515	96%	88%

Note: *Estimated percentages are based on total groundwater use and population overlying all alluvial groundwater basins in the hydrologic region.

DWR

CASGEM Basin Prioritization

- Individual Basin Summary Sheets are available for each of the 515 basins. Each summary provides
 - ranking value for each of the eight components
 - the basin total ranking score
 - and resultant basin priority of high, medium, low, or very low.

CASGEM BASIN SUMMARY

Hydrologic Region: North Coast
 North Region Office (NRO)
 Basin Area: 40446 acres (63.2 miles)
 2010 Population: 24588

Basin: SMITH RIVER PLAIN
 Sub_Basin: N/A
 Basin Number: 1-1
 Date: 5/30/2014

DATA COMPONENT RANKING VALUE TABLE

Data Component	Ranking Range (x)	Units	Ranking Value	Confidence Adjustment	Average of Components	Adjusted Ranking Values
1. Population	$250 \leq x < 1000$	persons/sq-mi	2			2
2. Population Growth	$6 \leq x < 15$	percent	2			2
3. Public Supply Wells	$0.5 \leq x < 1.0$	wells/sq-mi	4			4
4. Total Wells	$x \geq 20$	wells/sq-mi	5	3.75		3.75
5. Irrigated Acreage	$100 \leq x < 200$	acres/sq-mi	3			3
6. GW					3.5	3.5
GW Use	$0.1 \leq x < 0.25$	acre-foot/acre	2			
Reliance						
% of Total Supply	$x \geq 80\%$	percent	5			
7. Impacts*	--	--	0			0
8. Other Information**	--	--	0			0
Overall Basin Ranking Score	$13.42 \leq x <$	--				18.3

Overall Basin Priority: Medium

Very Low Ranking Range	Low Ranking Range	Medium Ranking Range	High Ranking Range
Range < 5.75	$5.75 \geq$ Range < 13.42	$13.42 \geq$ Range < 21.08	Range \geq 21.08

Data Sources and Calculation Notes:

- Population: Department of Finance 2010 census data.
- Population Growth: Department of Finance 2010 census data projected to 2030.
- Public Supply Wells: Department of Public Health, 2012 Drinking Water Supply Database.
- Total Wells: DWR 2012 Well Master database.
- Irrigated Acreage: DWR, most recent land use projection and public comment feedback.
- Groundwater Reliance: DWR, most recent land use projection and public comment feedback.
- Documented Impacts: DWR Region staff review of DWR Bulletin 118-2003, Groundwater Management Plans, public comment feedback, or other readily available published information.
- Other Information: DWR Region staff review of DWR Bulletin 118-2003, Groundwater Management Plans, public comment feedback, or other readily available published information.
- Data component values were reduced by 25% due to data confidence, prior to calculating total groundwater basin ranking value.
- Overall Basin Ranking = Population + Population Growth + Public Supply Wells + (Total Wells x .75) + Irrigated Acreage + (Groundwater Use + % of Total Supply)/2 + Impacts + Other Information

Notes on SMITH RIVER PLAIN Basin

- * Impacts: No Impacts identified.
- ** Other Information: None

CASGEM Basin Prioritization

- Basin Prioritization Interactive Map
 - Click on the basin of interest and an informational window will open.
 - Click on the link at the bottom of the window to access the Basin Summary Sheets.

CALIFORNIA DEPARTMENT OF WATER RESOURCES

CASGEM Groundwater Basin Prioritization

The map below contains the CASGEM Basin Prioritization results. Click on the basin of interest and an informational window will open. Click on the link at the bottom of the window to access the Basin Summary Sheets. Zoom in three times to view basin numbers on the map. For more information visit the Basin Prioritization page. If you have additional questions please contact the appropriate Region Office.

The interactive map below may take to 1-2 minutes to load.

CASGEM Basin Prioritization

Basin Number: 1-1
Basin Name: SMITH RIVER PLAIN
Sub-basin Name:
Hydrologic Region: North Coast
Acres: 40,448
Basin Summary Sheet: [Click Here](#)

[Zoom to](#)

GROUNDWATER ELEVATION MONITORING

CASGEM Home (Sign In)

CASGEM Program & Legislation

What's New? Updated 7/16/14

Final Basin Prioritization

Unmonitored Basins

Monitoring Entities

Documents & Outreach

FAQS

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Groundwater Information Center

Bulletin 118

IWRIS

Funding

IRWM

Sign In

CASGEM Basin Prioritization

List of undesignated High and Medium priority basins/subbasins

List will be provided to the water grant programs in DWR, SWRCB, and DPH.

- Local entities that can have authority to manage groundwater, including the county, could be ineligible for a State water grant or loan.
- Determination of eligibility for grants and loans will be determined by the specific grant program.
- The list will be posted on the CASGEM website.

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

Unmonitored High and Medium Priority Groundwater Basins

Basin Number	Basin Name	Subbasin Name	Priority	Status (as of 07/23/2014)
1-1	SMITH RIVER PLAIN		Medium	Fully Unmonitored
2-1	PETALUMA VALLEY		Medium	Fully Unmonitored
2-2.01	NAPA-SONOMA VALLEY	NAPA VALLEY	Medium	Fully Unmonitored
2-9.04	SANTA CLARA VALLEY	EAST BAY PLAIN	Medium	Partially Unmonitored
3-12	SANTA MARIA		High	Fully Unmonitored
3-13	CUYAMA VALLEY		Medium	Partially Unmonitored
3-4.01	SALINAS VALLEY	180/400 FOOT AQUIFER	High	Fully Unmonitored
3-4.02	SALINAS VALLEY	EAST SIDE AQUIFER	High	Fully Unmonitored
3-4.04	SALINAS VALLEY	FOREBAY AQUIFER	Medium	Fully Unmonitored
3-4.05	SALINAS VALLEY	UPPER VALLEY AQUIFER	Medium	Fully Unmonitored
3-4.06	SALINAS VALLEY	PASO ROBLES AREA	High	Fully Unmonitored
3-4.09	SALINAS VALLEY	LANGLEY AREA	Medium	Fully Unmonitored
3-4.10	SALINAS VALLEY	CORRAL DE TIERRA AREA	Medium	Fully Unmonitored
3-8	LOS OSOS VALLEY		High	Fully Unmonitored
3-9	SAN LUIS OBISPO VALLEY		Medium	Fully Unmonitored
4-11.01	COASTAL PLAIN OF LOS ANGELES	SANTA MONICA	Medium	Fully Unmonitored
5-21.59	SACRAMENTO VALLEY	EAST BUTTE	Medium	Partially Unmonitored
5-21.62	SACRAMENTO VALLEY	SUTTER	Medium	Partially Unmonitored
5-21.64	SACRAMENTO VALLEY	NORTH AMERICAN	High	Partially Unmonitored
5-21.65	SACRAMENTO VALLEY	SOUTH AMERICAN	High	Partially Unmonitored
5-21.66	SACRAMENTO VALLEY	SOLANO	Medium	Partially Unmonitored
5-22.01	SAN JOAQUIN VALLEY	EASTERN SAN JOAQUIN	High	Fully Unmonitored
5-22.03	SAN JOAQUIN VALLEY	TURLOCK	High	Fully Unmonitored
5-22.04	SAN JOAQUIN VALLEY	MERCED	High	Fully Unmonitored
5-22.05	SAN JOAQUIN VALLEY	CHOWCHILLA	High	Fully Unmonitored
5-22.06	SAN JOAQUIN VALLEY	MADERA	High	Fully Unmonitored
5-22.07	SAN JOAQUIN VALLEY	DELTA-MENDOTA	High	Partially Unmonitored
5-22.11	SAN JOAQUIN VALLEY	KAWEAH	High	Partially Unmonitored
5-22.13	SAN JOAQUIN VALLEY	TULE	High	Partially Unmonitored
5-22.14	SAN JOAQUIN VALLEY	KERN COUNTY	High	Partially Unmonitored
5-22.15	SAN JOAQUIN VALLEY	TRACY	Medium	Partially Unmonitored
5-22.16	SAN JOAQUIN VALLEY	COSUMNES	Medium	Partially Unmonitored
5-27	CUMMINGS VALLEY		High	Fully Unmonitored
5-28	TEHACHAPI VALLEY WEST		Medium	Fully Unmonitored
5-4	BIG VALLEY		Medium	Fully Unmonitored
6-44	ANTELOPE VALLEY		High	Fully Unmonitored
7-21.01	COACHELLA VALLEY	INDIO	Medium	Partially Unmonitored
7-24	BORREGO VALLEY		Medium	Partially Unmonitored
8-9	BEAR VALLEY		Medium	Fully Unmonitored
9-15	SAN DIEGO RIVER VALLEY		Medium	Fully Unmonitored
9-4	SANTA MARGARITA VALLEY		Medium	Fully Unmonitored
9-6	CAHUILLA VALLEY		Medium	Fully Unmonitored
9-7	SAN LUIS REY VALLEY		Medium	Fully Unmonitored



DWR

CASGEM Contacts



HQ – Sacramento

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NCRO - West Sacramento

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Erin Smith	erin.smith@water.ca.gov	(916) 376-9623

SCRO – Fresno

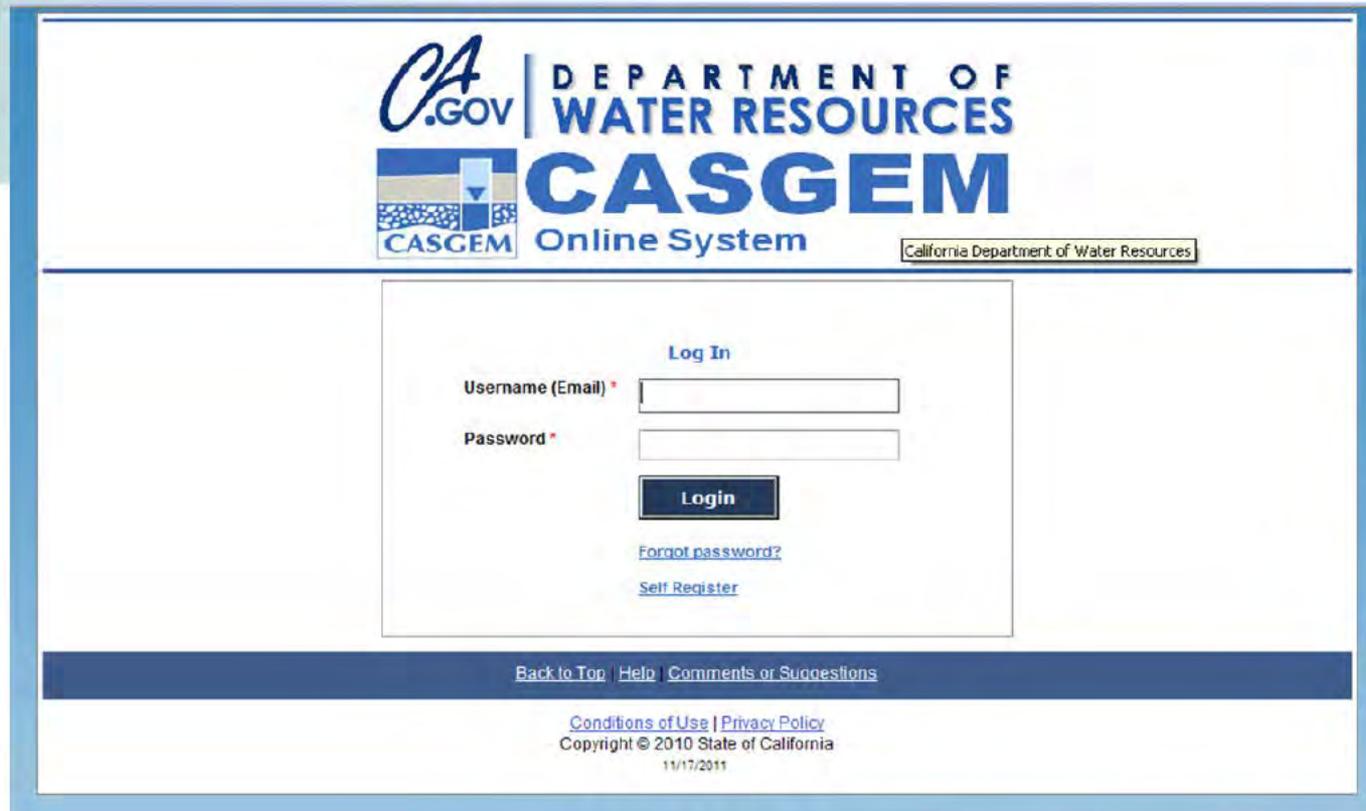
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SRO – Glendale

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DWR-CASGEM Online System

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



The screenshot shows the login interface for the CASGEM Online System. At the top, there is a header with the California Department of Water Resources logo and the text "DEPARTMENT OF WATER RESOURCES CASGEM Online System". Below the header is a login form with the following elements:

- Log In** (text)
- Username (Email) *** (text label) and an input field.
- Password *** (text label) and an input field.
- Login** (button)
- [Forgot password?](#) (link)
- [Self Register](#) (link)

At the bottom of the page, there is a footer with the following text:

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Questions?

Tom Lutterman

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California National Guard CDTF



- For California National Guard CDTF Support

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916-369-4904
Jeffery.moore@jtfdscd.ca.gov

1SG Clinton Lockard Operations NCOIC
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How to Request our Support



State of California - The Natural Resources Agency
DEPARTMENT OF FISH AND WILDLIFE
<http://www.dfg.ca.gov>
Law Enforcement Division
1416 Ninth Street, Room 1326
Sacramento, California 95814
(916) 653-4094

EDMUND G. BROWN, JR., Governor
Charlton H. Bonham, Director



Clear approval Drug Assets

Office of the Adjutant General
Attn: COL Todd W. Lewis, Commander,
Joint Task Force Domestic Support-Counterdrug
0620 MATHER Blvd
Mather, CA 95655

Dear COL Lewis,

This is an official request to ask for Sergeant First Class Pedro Jaimez to be assigned to the Department of Fish and Wildlife (DFW) in our Sacramento field office. SFC Jaimez would be a point of contact for our department with other mutual aid agencies in mission and operational planning for the 2014 calendar year. SFC Jaimez has a good understanding of the Department of Fish and Wildlife and would be a valued member of assisting our department with the continued building and training of our Marijuana Enforcement Team.

The Department of Fish and Wildlife would also like to request an additional analyst be assigned to us if available. We are in need of analytical support for case management of narcotic related crimes. It would be a huge benefit to both of our departments to have an analyst in place to help with data and narcotic crime management. It is my hope that DFW will be able to provide much needed information on drug related activity for all of California that we may share with our allied partners. The National Guard, Counter Drug Analyst would also report to our Sacramento field office.

I would like to thank you in advance for your consideration for this request. The point of contact for this request is Captain Nathaniel Arnold at (559) 284-1264.

Sincerely,

Brian K. Naslund
Assistant Chief
California Department of Fish and Wildlife
Law Enforcement Division

Conserving California's Wildlife Since 1870

Guardians of our Wildlife Heritage... A Proud Tradition of Wildlife Law Enforcement

Authorities conduct raid to help Yurok tribe combat illegal pot grows - Wire Travel - The Sacramento Bee

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Thursday, July 24, 2014

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Authorities conduct raid to help Yurok tribe combat illegal pot grows

By LEE ROMNEY
Los Angeles Times

Published: Wednesday, Jul. 23, 2014 - 1:00 am

WEITCHPEC, Calif. -- First, the out-of-state license plates came to the upper reaches of the Yurok Indian Reservation, followed by dump trucks of fertilizer and heavy equipment that punched roads into tribal land.

Runaway marijuana cultivation had made it unsafe to hike, pray, gather medicine and materials for baskets, or prepare sites for ceremonial dances. Chemical runoff and silt harmed the salmon, and rodenticides poisoned the rare Humboldt marten and weasel-like fisher, which the Yurok consider sacred.

This year, as growers siphoned water directly from the streams that feed the Klamath River, persistent menace became imminent crisis: About 200 households that rely entirely on surface water are now at risk of running dry - with no alternative supply.

On Monday, after years of effort, the pleas of Yurok tribal leaders for outside help with eradication were finally answered.

Federal and state agencies launched a massive raid on and around reservation land that is expected to last more than a week and lead to the destruction of an estimated 100,000 marijuana plants.

By early evening, only four of the 43 [search warrants](#) had been served. Yet officers working on properties tucked down miles of dusty, rutted roads had already seized nearly 4,000 plants, stuffing them into a mobile chipper.

Ten people were detained for questioning, one of them armed with a Glock. At one tribal property, three people took off on foot after a [motion sensor](#) triggered at the gate. They left a vehicle with Utah plates and a wallet behind.

"We're doing good," said Yurok Public Safety Chief Leonard Masten. His next target was a property needed for the upcoming Brush Dance, as site preparation for the healing ceremony begin Wednesday.

Operation Yurok came at the request of tribal leaders and is targeting properties in the hills whose springs and creeks feed the Klamath River.

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FBI agents in Leland Yee's office, making multiple arrests today
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US Environmental Protection Agency



Erskine D. Benjamin II

Benjamin.Erskine@epa.gov

EPA Region IX, WTR-10
75 Hawthorne Street
San Francisco, CA 94105
Tel. (415) 972-3561
Fax (415) 947-3537

General Assistance Program (GAP) & Drought Planning Assistance

- GAP grants are managed by the Tribal Section in Region 9's Land Division
 - GAP supports planning, establishing and developing environmental protection programs in Indian Country consistent with EPA's statutory authorities
 - Implementation is generally unallowable under the program except for solid waste related activities
- Eligible planning activities under GAP can include drought
 - Drought contingency planning (DCP), water audits, water conservation program planning, leak detection, community outreach

GAP Drought Funding Assistance to Date

- EPA and the California Indian Health Service (CA IHS):
 - Provided outreach on available funds for eligible activities
 - Informed tribes that GAP may be used to fund eligible, allocable, and necessary drought activities
 - Referred tribes to their respective EPA GAP Project Officers for additional assistance
- EPA received and approved drought planning requests totaling \$112,500 for work that will be performed in Fiscal Year 2015
 - DCPs, task forces, water conservation program planning, water audits
- Funding Opportunity (to request additional funds) closed on July 15

Other Assistance Available from EPA

- While the deadline to request supplemental FY15 funds to conduct drought work has passed, tribes may work with their GAP Project Officers to renegotiate existing work plans and budgets to include drought planning activities in FY14 or FY15.

Bureau of Indian Affairs (BIA)



Douglas Garcia

Water Rights Specialist

Pacific Regional Office

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Chuck Jachens

Regional Hydrologist

Pacific Regional Office

2800 Cottage Way, W-2820

Sacramento, CA 95825

Office: (916) 978-6049

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BIA - Water Rights Program

- The BIA manages the Water Rights Program for the purpose of confirming and defining Indian water rights through litigation and court decree or through negotiated settlement.
- The first priority for program funds is to provide all documentation and other materials deemed necessary to further the United States' water rights claims on behalf of Indian tribes or individuals.

These materials may include :

- Preparing hydrographic survey reports
- Determining surface and ground water supplies
- Identifying arable lands
- Completing a practicably irrigable acreage (PIA) assessment
- Determining point(s) and means of diversion, purpose(s) and place(s) of use, and amount of water diverted or depleted
- Conducting studies to determine the water needs of fish, wildlife, or other resources for which Indian tribes have reserved rights.

These funds may also be used to provide similar materials as necessary to facilitate active Indian water rights negotiations undertaken by the Secretary of the Interior.

BIA - Water Resources Program

- The BIA manages the Water Resources Program for the purpose of managing, conserving and utilizing reservation water resources.
- The first priority for these program funds is to provide necessary technical research, studies, and other information for Indian tribes to serve as informed and prudent managers of their water resources.
- These efforts may occur through partnerships or through coordination and cooperation with other governmental entities to obtain information describing surface and ground water assessments, inventories, monitoring, modeling and gauging.
- Additionally, these funds are used for the preparation of comprehensive reservation water management and development plans, use surveys, interagency drought management planning, and necessary assessments to define and characterize tribal water resources.

BIA-Activities Not Eligible for Funding

Examples of activities typically not eligible for funding from either water program include:

- Projects that duplicate work that the BIA has identified as necessary for its efforts, has undertaken, or has completed through its employees or contractors or through arrangements with other Federal agencies, including the U.S. Department of Justice
- Projects to design, construct, repair or improve water facilities, including domestic water supply, waste water, and irrigation or dam infrastructure, except to the extent that PIA analyses under the Water Rights Program require such design projects
- Development of recommendations or conditions in hydropower licensing procedures and water quality studies to initiate actions needed to address pollution problems
- Attorney fees and related expenses for legal services
- Administrative overhead costs

BIA Climate Change

- Rapidly changing climatic conditions are already impacting Tribes. The challenges from those changes span the entire range of tribal government functions and traditional use. Tribes and Alaska Natives are further hindered by limited capacity, tools, and data to evaluate, prioritize and manage the change. The President's 2013 Climate Action Plan committed to support tribes addressing climate change. In addition to support from the other federal agencies, the Bureau of Indian Affairs (BIA) has funding available for climate adaptation planning.
- Grants were focused on vulnerability assessments, adaptation planning, and participation in training, technical workshops, and cooperative climate change adaptation groups.
- In FY14 a significant increase in funding has been made available to address tribal capacity needs. In FY13 and FY14 priority will be given to funding tribal efforts that support multiple tribes, or enable tribal governments to write climate adaptation plans that span the entire scope of tribal government programs and thereby enable tribal leaders to evaluate and prioritize the issues that they deem most critical.

BIA-Climate Change Program

- The grant program also requests cooperative tribal government/education provider proposals to initiate a training program for tribes. Lastly, small tribal travel grant proposals will be solicited that enable tribal staff to attend training, technical workshops, and cooperative adaptation groups, including ocean planning.
- In FY14 the RFP will be not be posted on the Grants.gov website at: <http://www.grants.gov> , rather we communicate directly with the eligible applicants through a Dear Tribal Leader letter solicitation, and via the informal tribal climate change email network. Regional Climate Change Points-of-Contact (POCs) maintain an informal tribal climate change contact list for each Tribe in their Region. In FY15 as the program matures we will consider Grants.gov.

BIA

Contact Information

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



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916-930-3981

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Sacramento, CA 95814
916-930-3981

Tribal water systems at highest risk due to drought conditions:

Updated June 20, 2014 – Updates will be made as conditions change and information becomes available.



Map #	Tribe	County	System Name	Source (GW,SW,IC)
1	Smith River Rancheria	Del Norte	Howonquet	SW
2	Trinidad Rancheria	Humboldt	n/a	SW, IC
3	Karuk Tribe	Siskiyou	Somes Bar	SW
3	Karuk Tribe	Siskiyou	Happy Camp CSD	SW
3	Karuk Tribe	Humboldt	Orleans CSD	SW
3	Karuk Tribe	Humboldt	Orleans Mutual Wtr Co	SW
4	Yurok	Humboldt	Kepele	SW
4	Yurok	Humboldt	Wautec	SW
4	Yurok	Humboldt	Weitchpec	SW
4	Yurok	Del Norte	Klamath	GW
5	Hoopa Valley Tribe	Humboldt	n/a	SW
6	Pit River	Shasta	Montgomery	GW
6	Pit River	Shasta	XL	GW
7	Wiyot Tribe	Humboldt	n/a	GW
8	Bear River Band	Humboldt	Old Rancheria	GW
9	Grindstone Rancheria	Glenn	n/a	SW
10	Sherwood Valley	Mendocino	City of Willits	IC
10	Sherwood Valley	Mendocino	Original Sherwood Valley Rancheria	GW
11	Sherwood Valley	Mendocino	Eastside Ranch-Lockhart	GW
12	Redwood Valley Rancheria	Mendocino	n/a	SW, IC
13	Enterprise Rancheria	Butte	n/a	GW
14	Coyote Valley	Mendocino	n/a	GW, IC
15	Cortina	Colusa	n/a	GW
16	Manchester/Pt Arena	Mendocino	Pt Arena Side	GW
17	Kashia Band of Pomo India	Sonoma	n/a	SW
18	Ione Band of Miwoks	Amador	n/a	GW
19	Chicken Ranch	Tuolumne	n/a	GW
20	Tuolumne	Tuolumne	n/a	GW, SW
21	Big Sandy	Fresno	n/a	GW
22	Cold Springs	Fresno	Coyote Drive system	GW
22	Cold Springs	Fresno	Main	GW
23	Santa Rosa Rancheria	Fresno	n/a	GW
24	Tule River	Tulare	Main	SW, GW
24	Tule River	Tulare	Apple Valley	GW
25	Torres Martinez	Riverside	Clinic System	GW
25	Torres Martinez	Riverside	Avenue 64 System	GW
26	Santa Rosa Reservation	Riverside	Santa Rosa Water System	GW
27	Pauma	San Diego	n/a	GW
28	San Pasqual	San Diego	Main	GW, IC
28	San Pasqual	San Diego	Western System District B	IC
29	Mesa Grande	San Diego	Main System	GW
30	Santa Ysabel	San Diego	Main System	GW
30	Santa Ysabel	San Diego	Ortega System	GW
31	La Posta	San Diego	Upper System	GW
31	La Posta	San Diego	Lower System	GW

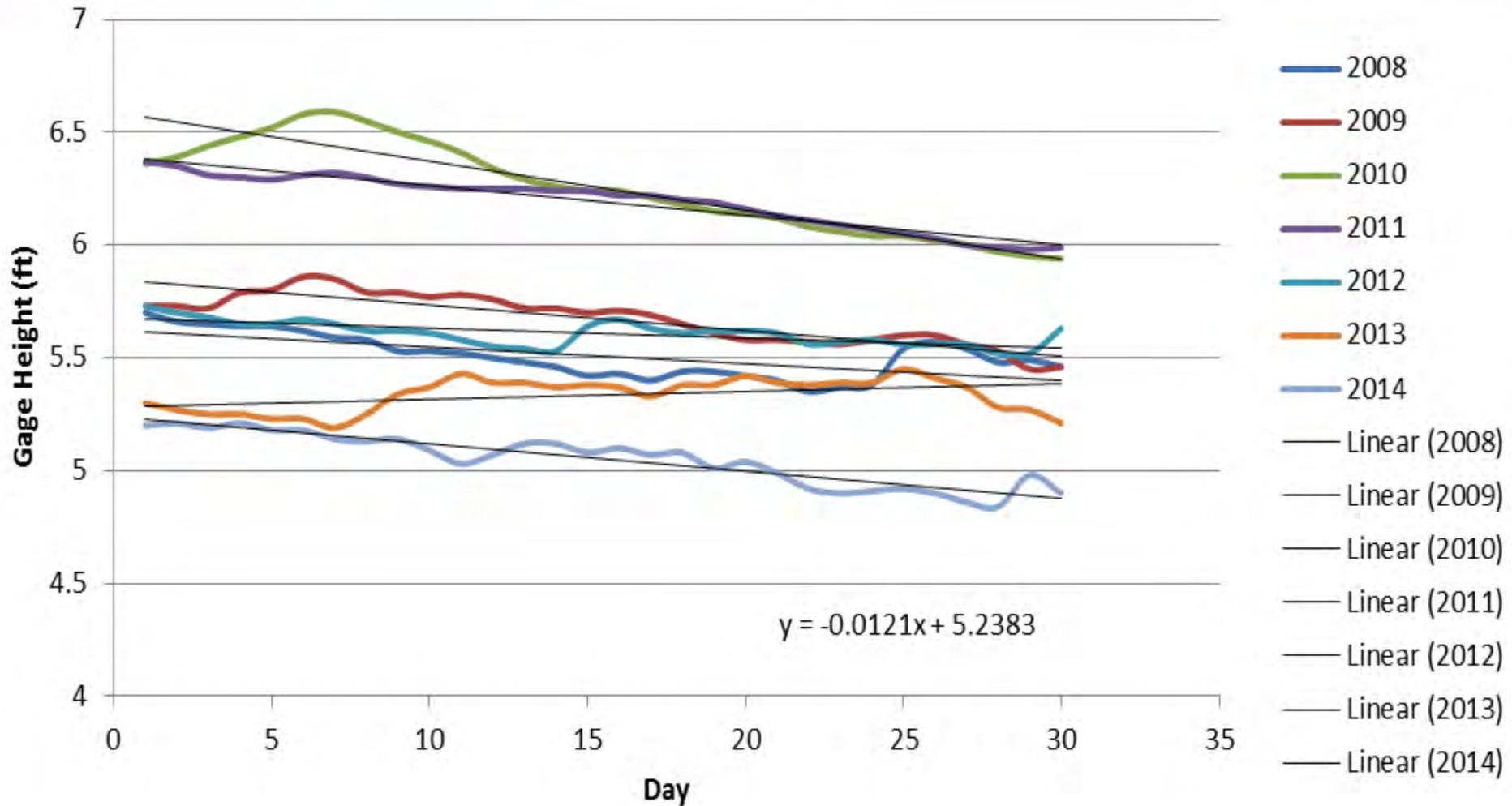
IHS California Area Groundwater Monitoring

Tule River Well Water Levels

Community:		Tule River		System Name:				Public Water System ID #:		0600156			
Name of well:		17		Well Depth (ft) BGS:		380		Pump Depth (ft) BGS:					
				Well Diameter (in):		6 5/8		Casing height (ft):		Casing depth (ft):			
Date	Time of reading	Demand (gpd)	Production (gpd)	Water Temp.	Run Time (hrs/day)	Cycles/day	Flow at dyn. level (gpm)	Static Level (ft)	Dynamic (ft) (pumping)	Recovery Time (min)	Initials	Comments	
7/28/2010								228.00				Historical Data	
4/10/2014								294.00				Historical Data	
5/19/2014								256.00				Historical Data	
7/15/2014	9:50AM				24		20	289.06	289.61		KS	Cable sounder measured level after 33 minutes to be 294 feet.	

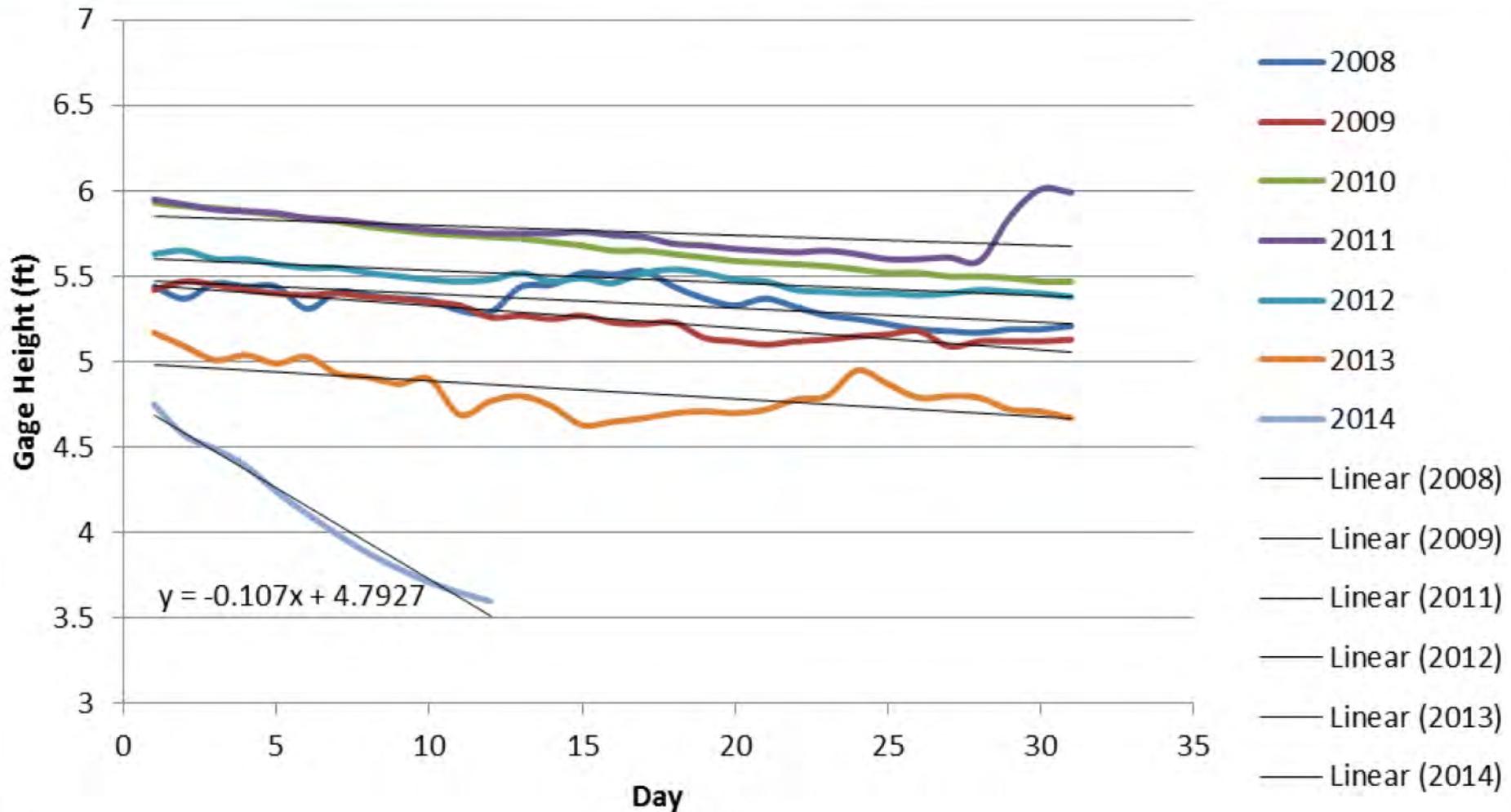
IHS California Area Surface Water Monitoring

June Gage Height



IHS California Area Surface Water Monitoring

July Gage Height



General Updates and Activities

- Coordinate with State and Federal agencies.
- Periodic vulnerability/risk assessments of Tribal water systems.
- Monitor systems at high risk including water source (e.g. drawdown/recovery) and per capita demand; determine systems at “critical” stage.
- Update the Tribal Sanitation Deficiency System (SDS) with specific drought-related projects and provide to other agencies for funding considerations. Draft project list available early August.
- Continue outreach to Tribes to develop a *Drought Contingency Plan* (increase from 10% to 20%).
- Develop plan to address gap in supplying water for scattered/individual home sites.

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/>

IHS California Area Drought Website

<http://www.ihs.gov/california/index.cfm/offices/office-of-environmental-health-engineering-oehe/drought-2014/>

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 Call Meetings

Save the Dates:

- **Tuesday, August 26, 2014** 10:00 a.m.-11:30 a.m.
- **Tuesday, September 30, 2014** 10:00 a.m.-11:30 a.m.
- **Wednesday, October 29, 2014** 10:00 a.m.-11:30 a.m.
- **Tuesday, November 18, 2014** 10:00 a.m.-11:30 a.m.
- **Tuesday, December 16, 2014** 10:00 a.m.-11:30 a.m.



THANK YOU

Cynthia Gomez

Tribal Advisor

Office of Tribal Advisor

Office of Governor Edmund G. Brown Jr.

1550 Harbor Boulevard, Suite 100

West Sacramento, California 95691

Office: (916) 373-3718

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