

WATER SUPPLY CONDITIONS UPDATE 12/12/2022

You can now access Updates on our website: <https://www.rrfc.net/weekly-water-supply-conditions-update>

Water Supply Availability in the Russian River Watershed in 2022

Russian River curtailments continue to be suspended due to low demand and precipitation events.



Russian River between rainstorms, by CJ Watt, 12-10-22

Reservoir Storage & Operations([More info here](#)):

Water supply information below and **attached** provided by Sonoma Water.

National Weather Service updates **attached**.

Article: [Center for Wester Weather and Water Extremes - Two Atmospheric Rivers to Bring Impactful Winter Weather to California](#)

Lake Mendocino

12/12

Current Storage (acre-feet)	37,870
Target Water Supply Storage Curve (acre-feet)	58,908
% of Target Water Supply Storage Curve	64.29%
7-day change (acre-feet)	+869

Lake Pillsbury

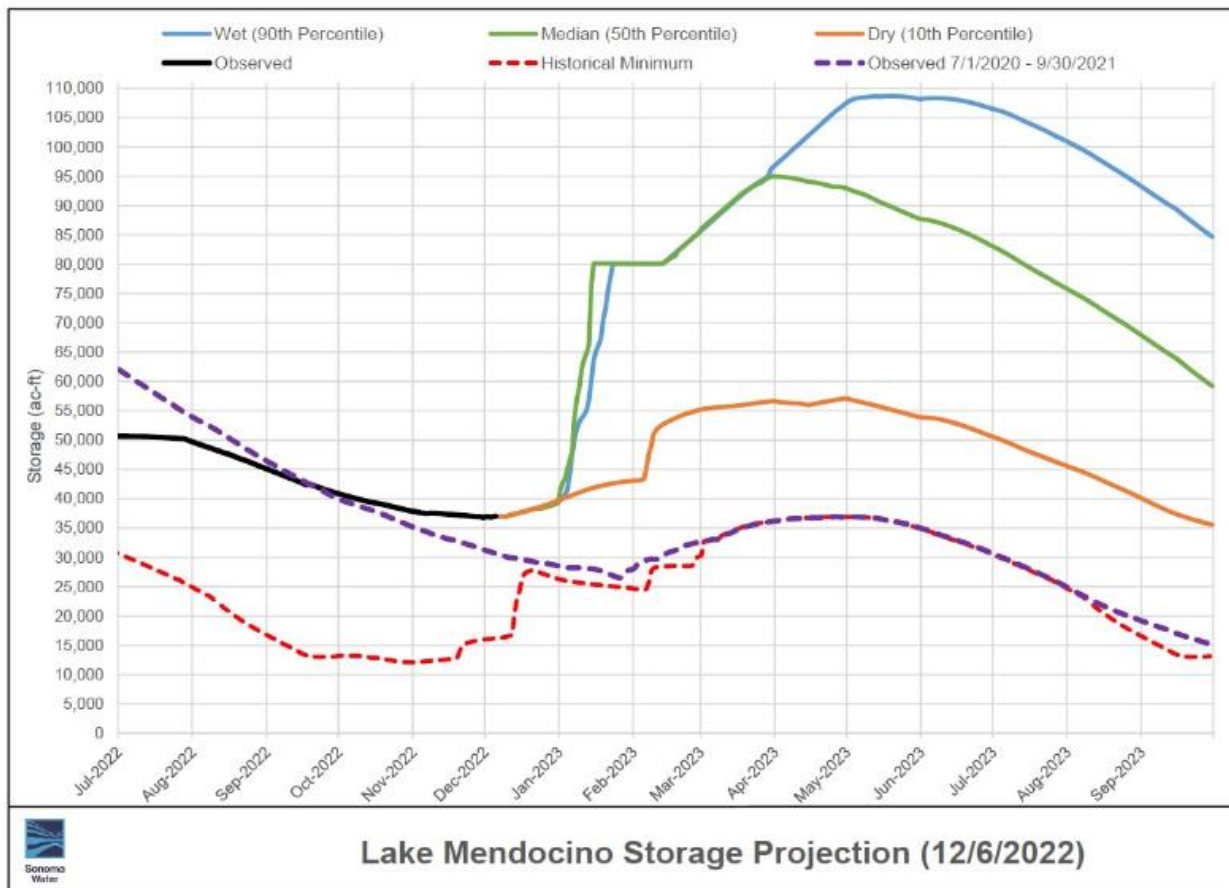
12/10

Current Storage (acre-feet)	29,528
Target Storage Curve (acre-feet)	27,040
7-day change (acre-feet)	+1,514

Lake Sonoma

12/12

Current Storage (acre-feet)	98,365
Target Storage Curve (acre-feet)	245,000
% of Water Supply Pool	40.15%
7-day change (acre-feet)	+1,477



From: <https://www.sonomawater.org/WaterSupplyProjections>

Russian River



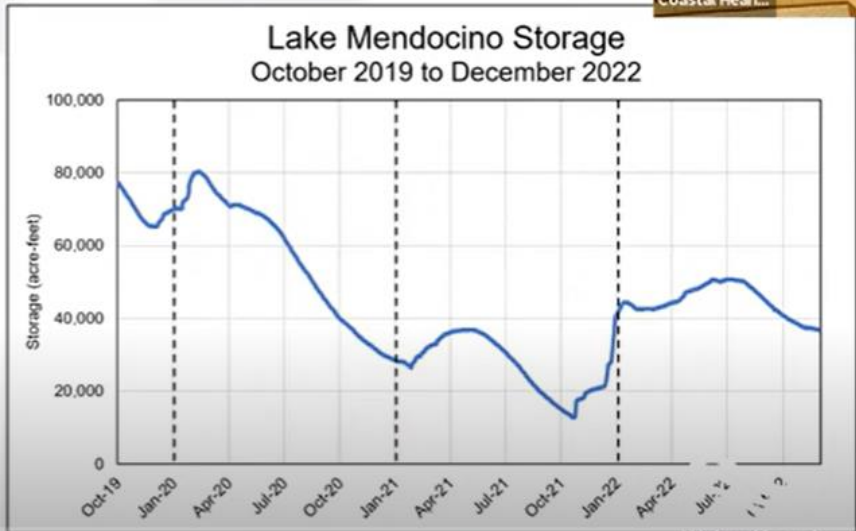
Flows as of 12/1/2022

Lake Mendocino Storage
36,923 AF

Lake Mendocino Outflow
31 cfs

Calpella Flow
22 cfs

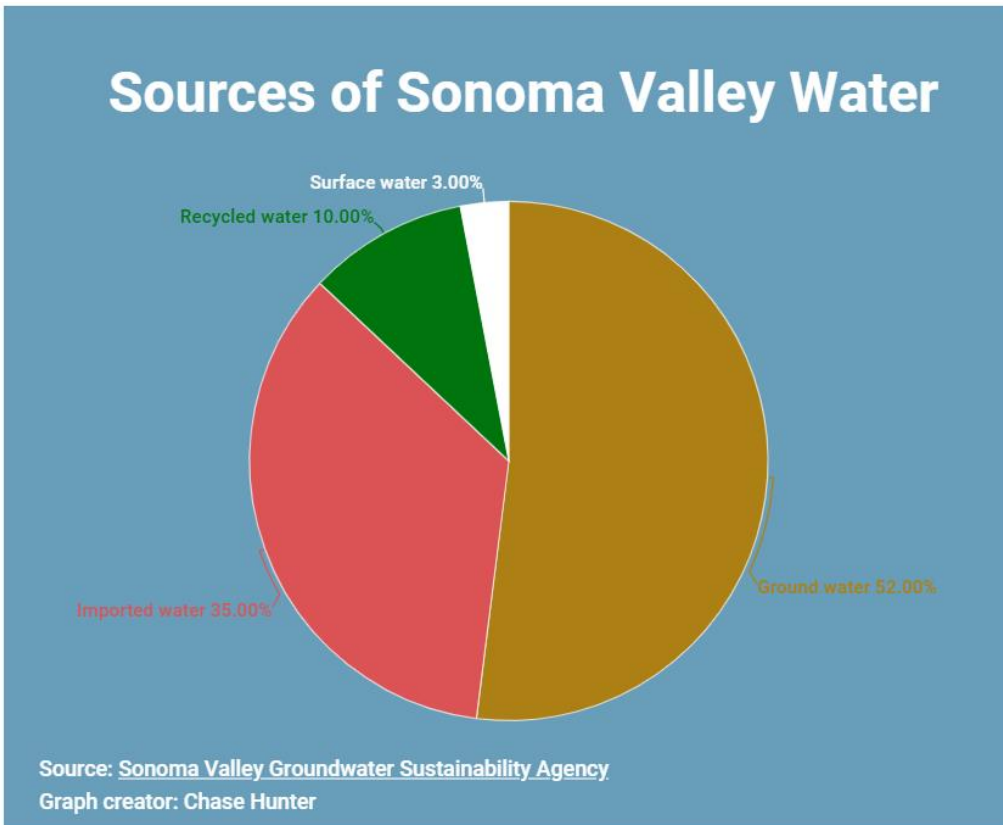
Healdsburg Flow
43 cfs



From State Water Board Meeting 12/6/22

[Sonoma Valley water agencies hope for rain amid lowest water levels at reservoirs](#)

From Sonoma-Index-Tribune, 12/8/22



Mendocino County Water News: December 7, 2022

Check out this information packed [Newsletter from the Mendocino County Water Agency](#).

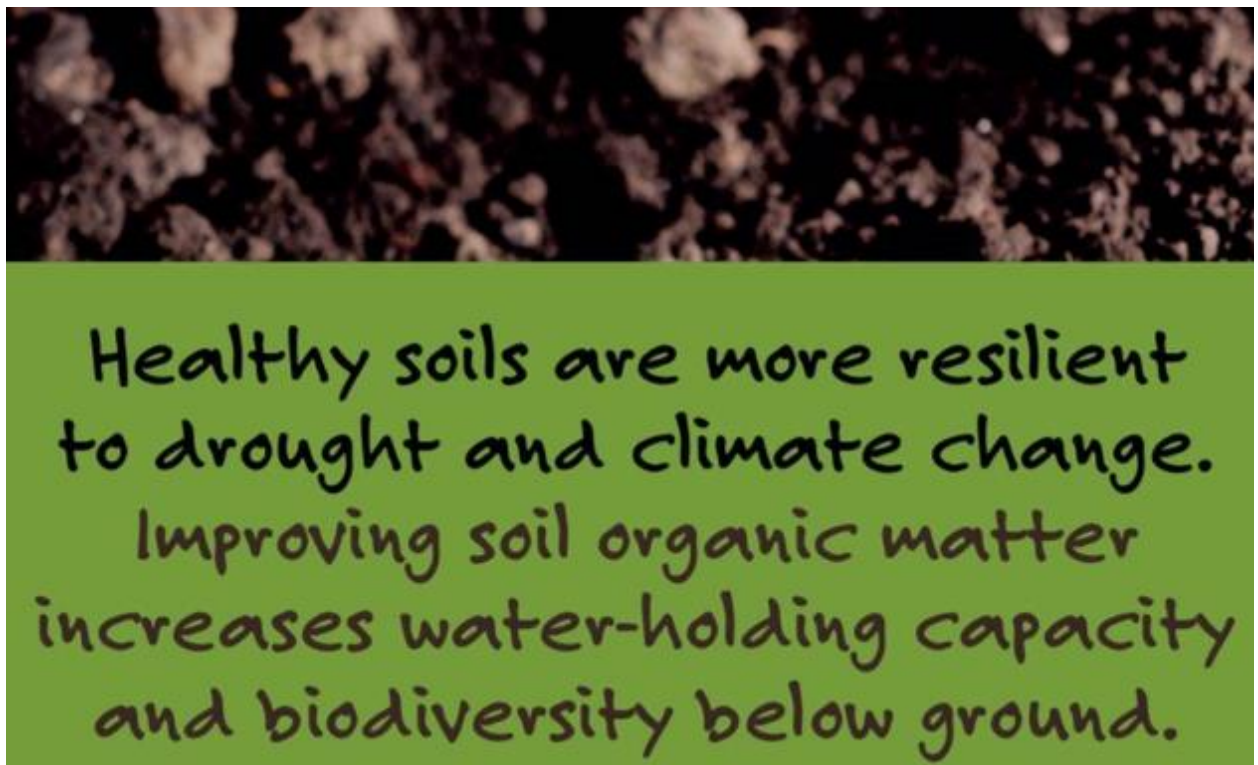
\$34,500 in ACWA Scholarships Available in 2023:



See the **attached** information sheet on how to promote and/or apply for scholarships!

Nature Based Solutions to Resource Resiliency

Check out this short article from [Nor Cal Water - Celebrating Our Healthy Soils that are Essential for Food Productivity, Climate Resilience and Biodiversity, 12/7/22](#) “take a moment to reflect on the amazing benefits our soils provide for food productivity, climate resilience and biodiversity. From a water management perspective, healthy soils are an important element of ridgetop to river mouth water management, as healthy soil practices improve soil water holding capacity, infiltration, and water availability and quality while reducing soil erosion, runoff, and dust. We have learned that if we feed our soils, they will feed us and the amazing biodiversity dependent on soil health.”



In the press:

- [CA Water eNews December 7, 2022](#)
- [Maven's Notebook, December 4-9, 2022](#)
- [Bloomberg - La Nina Forecast to Fade by April, Easing California Drought, 12/8/22](#)
- [NOAA - December 2022 La Niña update: the ENSO Blog investigates, 12/7/22](#)
- [ACWA: 5 Key Benefits provided by Cultivating a Water-Smart Garden, 12/6/22](#)
- [Press Democrat - The best of early Christmas gifts: It's raining!, 12/11/22](#)
- [CA Water Blog - The 2020-2023 drought continues for a fourth year?, 12/11/22](#)
- [PPIC - California's Water and Energy Systems Are Inextricably Linked, 12/6/22](#)

With all this rain, the Press Democrat looks back at impacts:

- [Press Dem - Photos: Sonoma County weathers heavy winds and rains over the years, 12/8/22](#)
- [Press Dem - Weathering Storms, 12/11/22](#)

CLIMATE CHANGE:

- [Governing - California Seeks Native American Help After Years of Environmental Abuse, 12/5/22](#)
- [CBS News - Flooding could soon disrupt airport operations in California as climate change impacts worsen, study finds. 12/6/22](#)

Other resources & information:

- [Mendocino County Water Agency Drought page](#)
- [SWRCB Russian River drought information page](#)
- [SaveOurWater.com](#)
- [SaveWater.ca.gov](#) to report water waste, such as leaks and overwatering.
- [Water Rights Enforcement Complaints Program](#) and/or [Cal EPA Complaint System](#) to report concerns of unauthorized diversions, violations of water rights, diversions impacting fisheries, etc. Reports can be made anonymously.
- Visit Sonoma Water's website for information on [current water supply levels](#) and [Temporary Urgency Change Petitions](#).

Elizabeth Salomone, General Manager

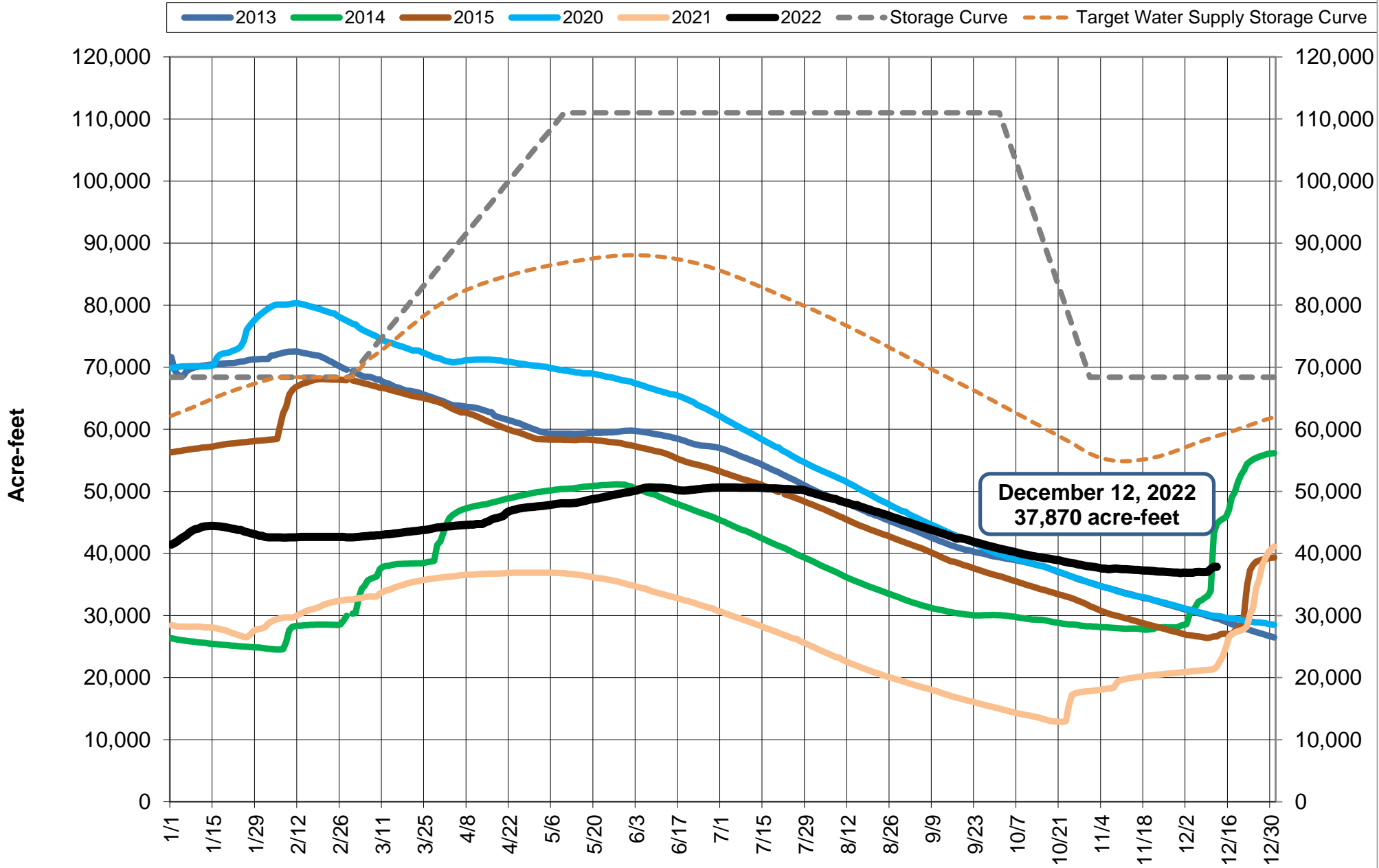
Russian River Flood Control & Water Conservation Improvement District

NEW ADDRESS: 304 N. State Street, #2, Ukiah, CA 95482

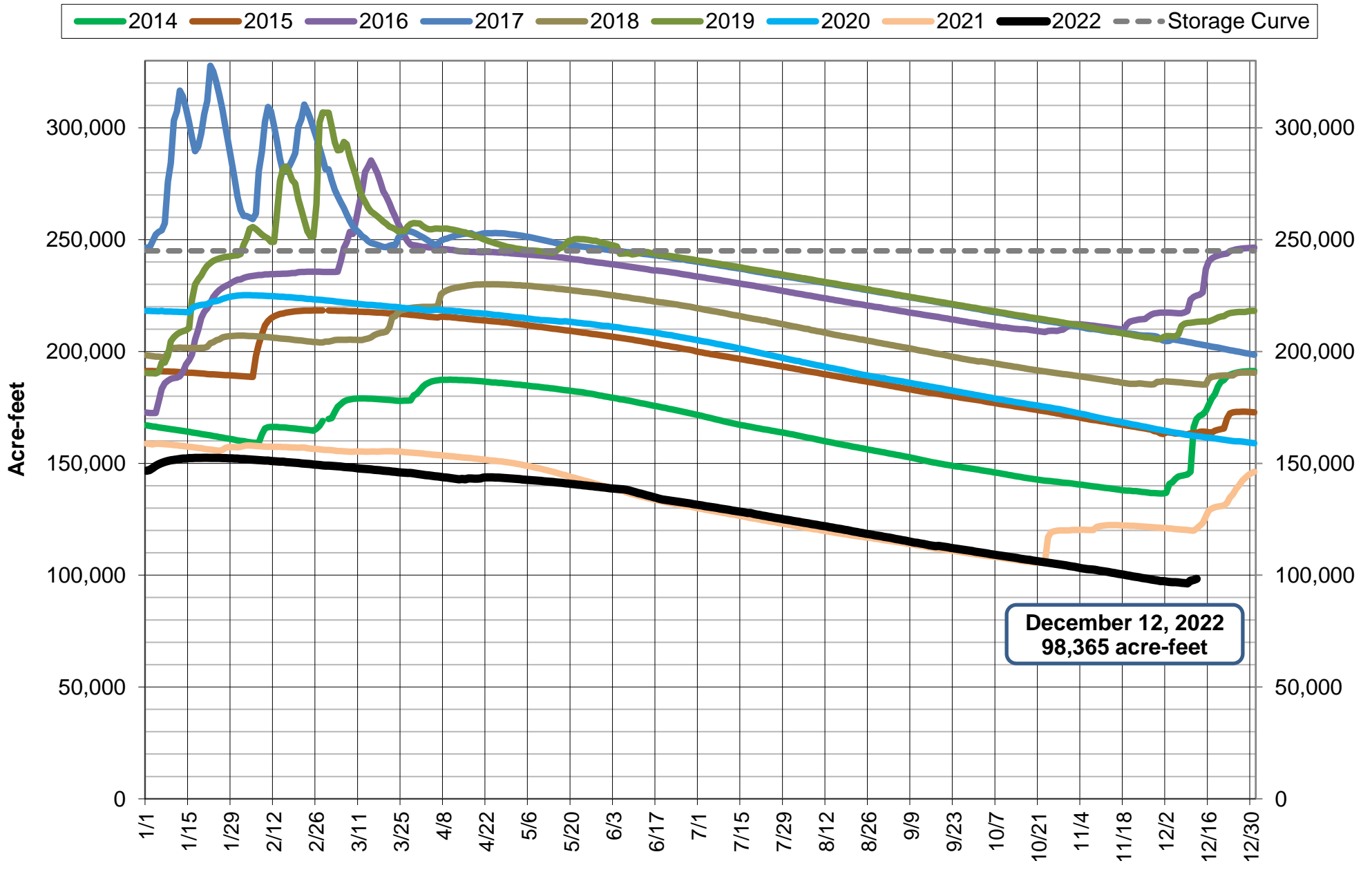
Cell: 707-462-5278 www.RRFC.net



Lake Mendocino Storage - Drought Years

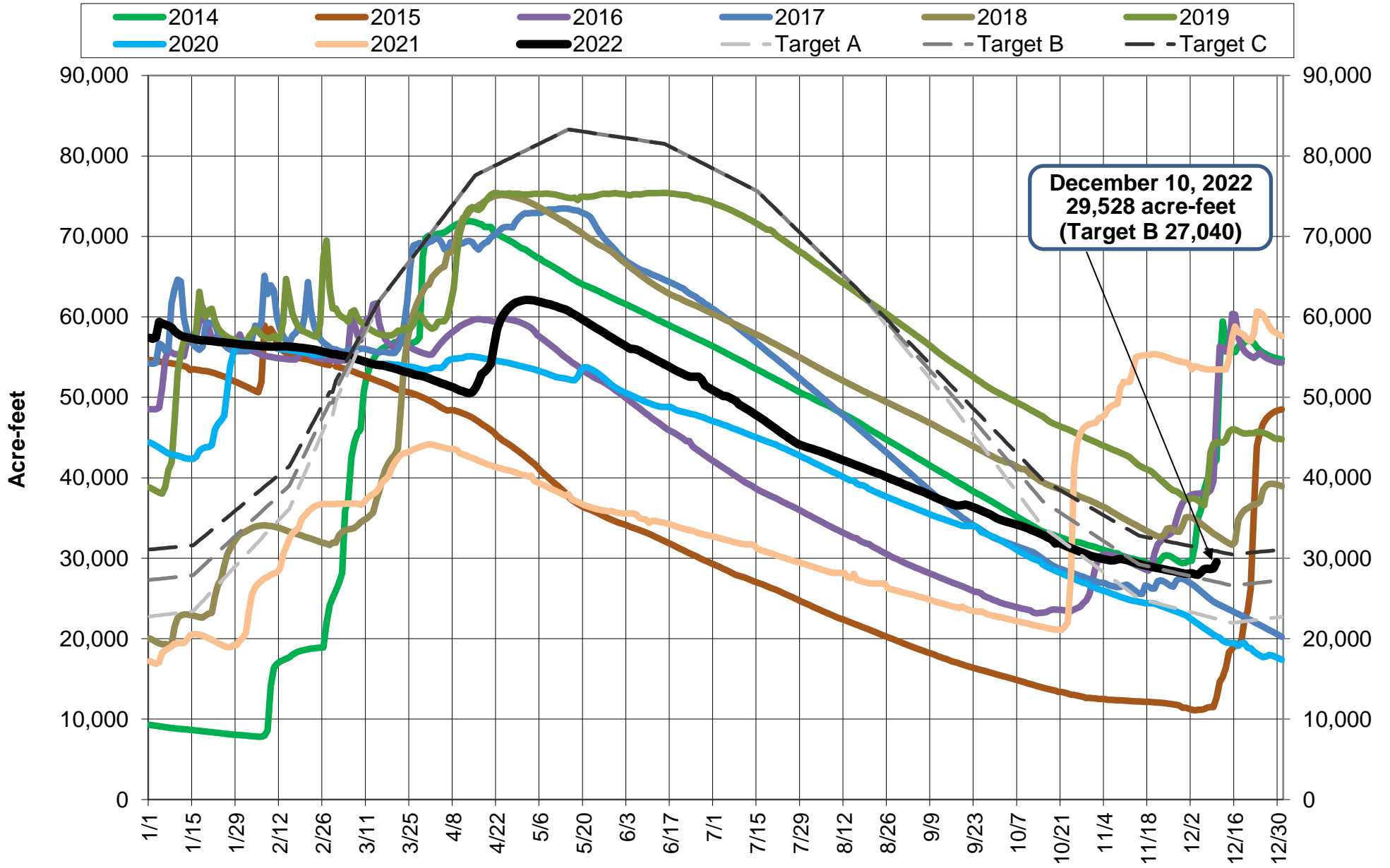


Lake Sonoma Storage

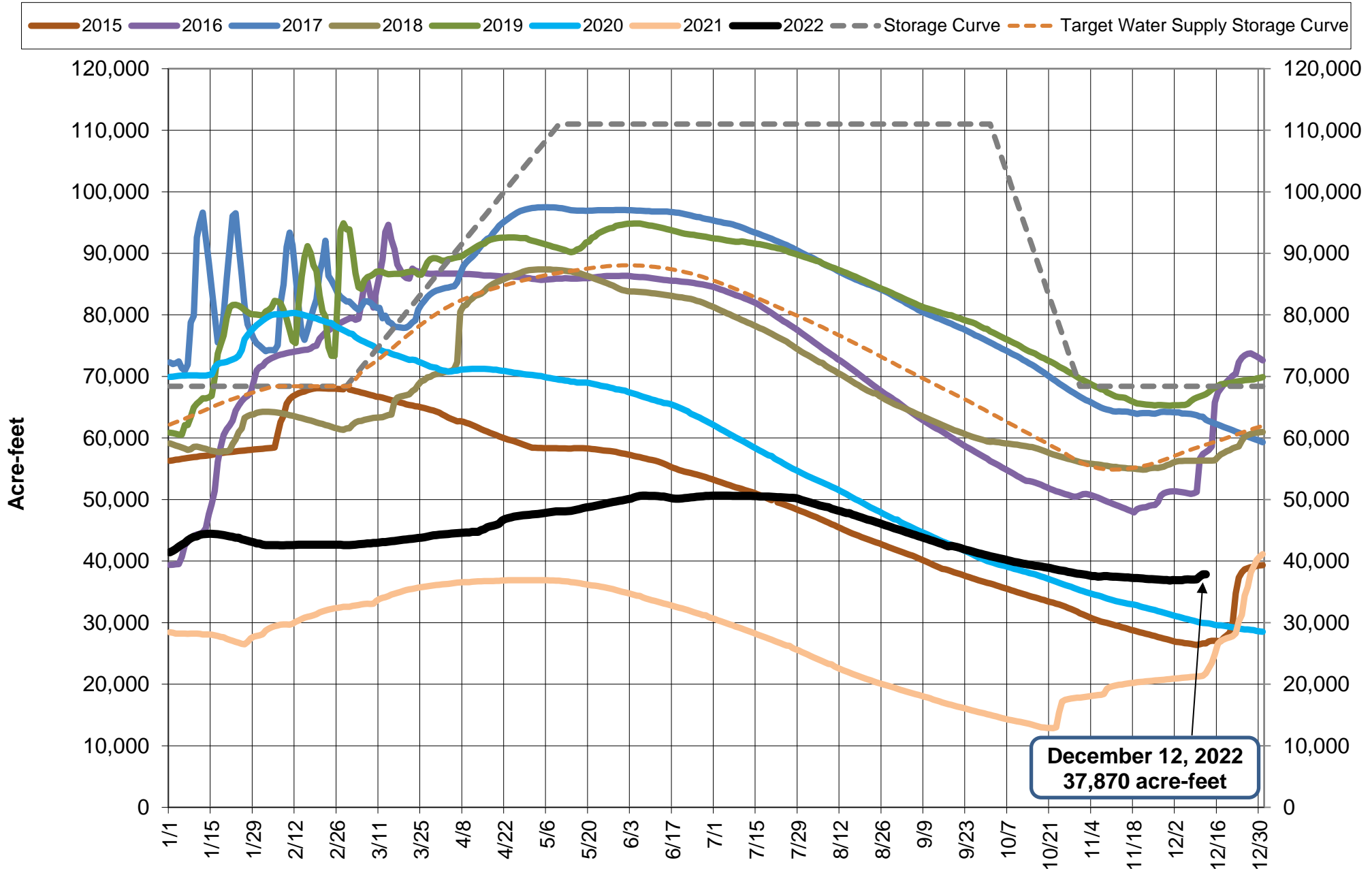


December 12, 2022
98,365 acre-feet

Lake Pillsbury Storage and Target Storage Scenarios



Lake Mendocino Storage





Strong Winter Storm Friday Through Sunday

KEY POINTS

- Heavy mountain snow, particularly in Trinity County.
- Very strong south winds Friday afternoon and evening.
- Heavy low elevation rainfall Friday evening through Saturday morning.
- Coastal thunderstorms Friday night into Sunday.

CHANGES FROM PREVIOUS BRIEFING

- Updated forecast Graphics and timing

WEATHER RISK OUTLOOK

Risk levels incorporate potential impacts from weather hazards and likelihood of occurrence for a reasonable worse case scenario.

	Fri 12/9	Sat 12/10	Sun 12/11	Mon 12/12	Tue 12/13	Wed 12/14	Thu 12/15
Lake County Clearlake, Lakeport	Rain Mountain Snow Gusty Winds	Rain Mountain Snow Gusty Winds	Rain Mountain Snow	Cold Showers	Cold	Cold	Showers
Del Norte County Crescent City, Gasquet	Heavy Rain Mountain Snow High Winds Storm Force Wind	Rain Mountain Snow Thunderstorms Gusty Winds	Rain Mountain Snow	Cold Showers	Cold	Cold	Showers
Mendocino County Ukiah, Fort Bragg	Heavy Rain Mountain Snow Gusty Winds	Heavy Rain Mountain Snow Thunderstorms Gusty Winds	Rain Mountain Snow	Cold Showers	Cold	Cold	Showers
Trinity County Weaverville, Hayfork	Snow Rain High Winds	Snow Rain Gusty Winds	Snow Rain	Cold Showers	Cold	Cold	Showers
Humboldt County Eureka, Fortuna, Willow Creek	Heavy Rain Mountain Snow High Winds Storm Force Wind	Heavy Rain Mountain Snow Thunderstorms Gusty Winds	Rain Mountain Snow	Cold Showers	Cold	Cold	Showers

Risk Levels

Little to None

Minor

Moderate

Major

Extreme

DETAILS

Trinity County



Snow

Impacts:

- Travel will be difficult to impossible on high mountain passes.

Timing:

- Heavy snow will begin to fall for elevations above 2500 feet across Northern Trinity County between 2 and 6 PM Friday. Periods of heavy snow above 2500 feet will continue through Saturday evening.
- A period of accumulating snow is expected across Southern Trinity County for elevations above 3000 feet between 2 PM Friday to 2 AM Saturday.

- Northern Trinity County: Storm total snowfall from 5 to 22 inches for elevations above 2500 feet.
- Southern Trinity County: Storm total snowfall during Friday night up to 7 inches for elevations above 3000 feet.

Del Norte County, Humboldt County



Strong Wind

Impacts:

- Power disruptions probable.
- Risk of falling trees/limbs will be high.
- Loose objects will be blown around.
- High profile vehicles will be difficult to control.

Timing:

- Strongest winds expected from 4 PM Friday to 2 AM Saturday.

- Gusts from 50 to 70 mph likely across exposed ridges and coastal areas.
- Strong east-southeast winds also possible through gaps in terrain...such as river valleys/outlets to the ocean.
- Storm force marine winds across adjacent coastal waters from 1 PM Friday to 1 AM Saturday.

Del Norte County, Trinity County, Lake County, Mendocino County, Humboldt County



Heavy Rain

Impacts:

- Localized urban/small stream flooding possible.
- Rises on creeks, streams, and rivers likely.
- River flooding not expected.
- Increased risk of mountain rock/mud slides.
- Marginal risk of debris flows across burn scars.

Timing:

- Heavy rain will spread across the low lands Friday evening.
- Rainfall rates will peak during Friday night.
- Heavy rain will exit the region during late Saturday morning.

- Storm total rainfall amounts ranging from 2.5 to 3.5 inches throughout the area.
- Locally higher amounts of 4 to 6 inches along southwest oriented coastal ridges.

FOR MORE INFORMATION

For the latest forecast updates, visit [weather.gov/eureka](https://www.weather.gov/eureka).

If you have questions or would like to submit weather reports, photos, or to unsubscribe from these briefings, email nws.eureka@noaa.gov or call (707) 443-6484.

GRAPHICS

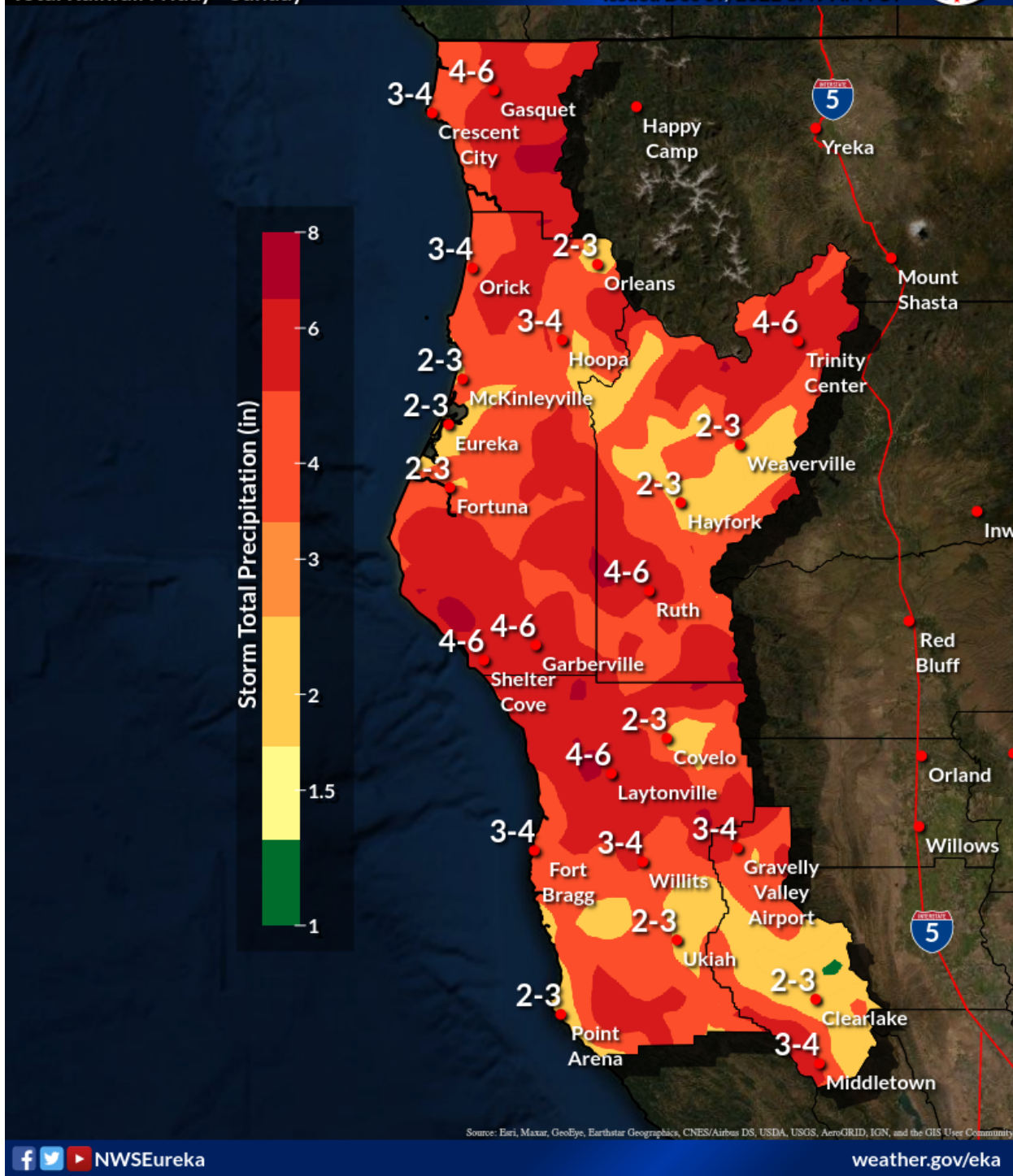
Weekend Heavy Rain

Weather Forecast Office
Eureka, CA



Total Rainfall Friday - Sunday

Issued Dec 09, 2022 8:49 AM PST



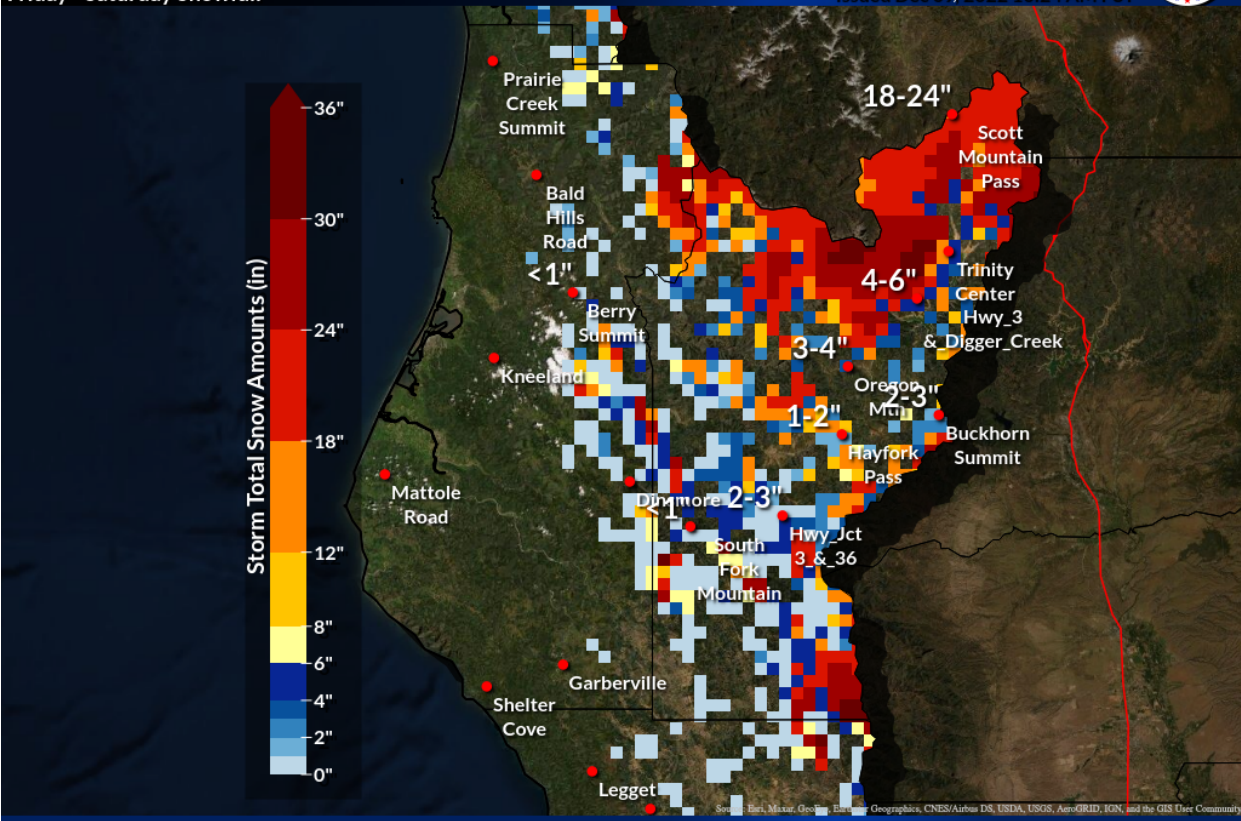
Mountain Snow

Friday - Saturday Snowfall

Weather Forecast Office

Eureka, CA

Issued Dec 09, 2022 10:24 AM PST



NWSEureka

weather.gov/eka

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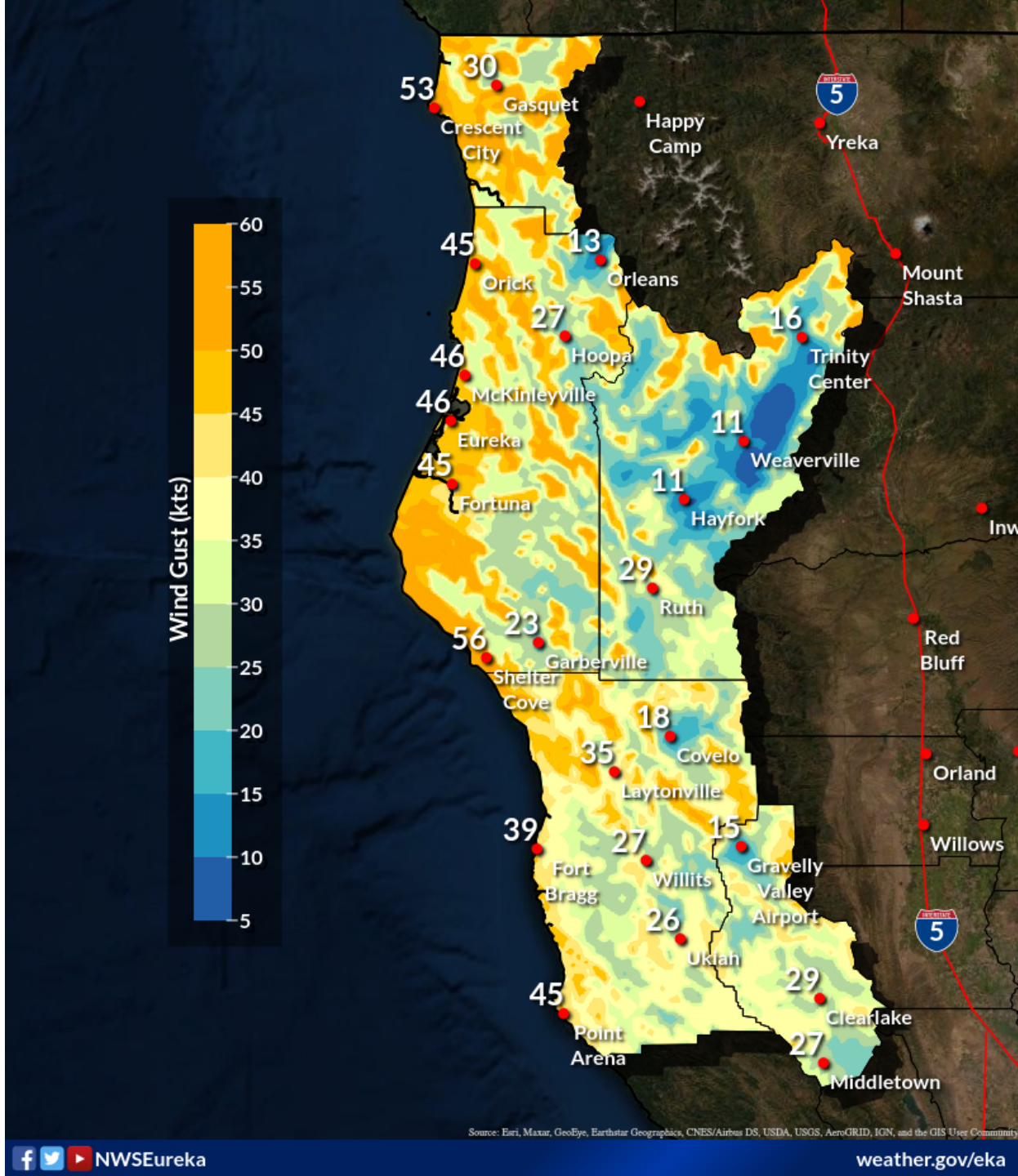
Friday Night Winds

Weather Forecast Office
Eureka, CA



Maximum Wind Gusts

Issued Dec 09, 2022 10:23 AM PST



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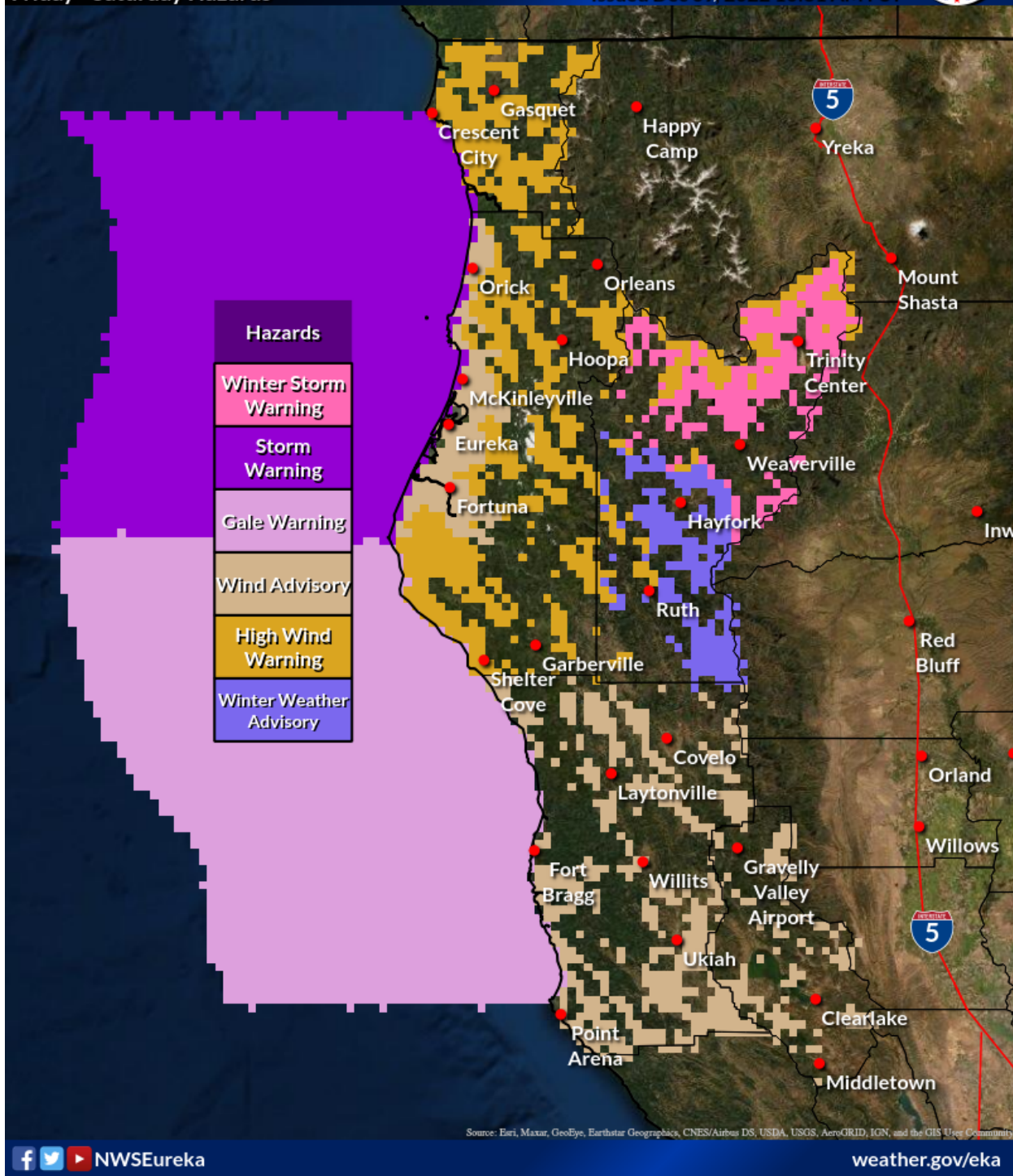
Storm Products

Weather Forecast Office
Eureka, CA



Friday - Saturday Hazards

Issued Dec 09, 2022 10:31 AM PST



12_9_CW_HZ.png



December 2022

\$34,500 in ACWA Scholarships Available in 2023

As a member of the Association of California Water Agencies, the Mendocino County Russian River Flood Control & Water Conservation Improvement District is proud to share several ACWA scholarship opportunities for high-achieving graduate or undergraduate students majoring in a water resources-related field.

- **The Stephen K. Hall ACWA Water Law & Policy Scholarship (\$10,000)** is awarded annually to one graduate student majoring in law, policy or public administration with a focus or concentration in California water resources.
- **The Arthur L. Littleworth Best Best & Krieger Diversity Scholarship (\$10,000 distributed evenly over four years)** is awarded annually to one undergraduate student pursuing a degree related to law, water law, water policy or public administration. High school seniors and undergraduate freshman are eligible to apply.
- **The Clair Hill Scholarship (\$5,000)** is awarded to one student majoring in engineering, agricultural and/or urban water supply, environmental studies, public administration and other water-resources related fields.
- **ACWA Scholarships (\$3,500)** are awarded to two undergraduate students majoring in engineering, agricultural and/or urban water supply, environmental studies, public administration and other water-resources related fields.
- **The Edward G. "Jerry" Gladbach Scholarship (\$2,500)** is awarded to one undergraduate student majoring in engineering, agricultural and/or urban water supply, environmental studies, public administration and other water-resource related fields.

All scholarship applications must be submitted online by March 1. For a complete list of qualification and eligibility requirements, as well as a link to the online application system, please visit ACWA's scholarships page online at www.acwa.com/about/scholarships.

For more information, please email ACWA at scholarships@acwa.com.