

WATER SUPPLY CONDITIONS UPDATE 3/13/23

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



Lake Mendocino, March 4, 2023 by CJ Watt

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

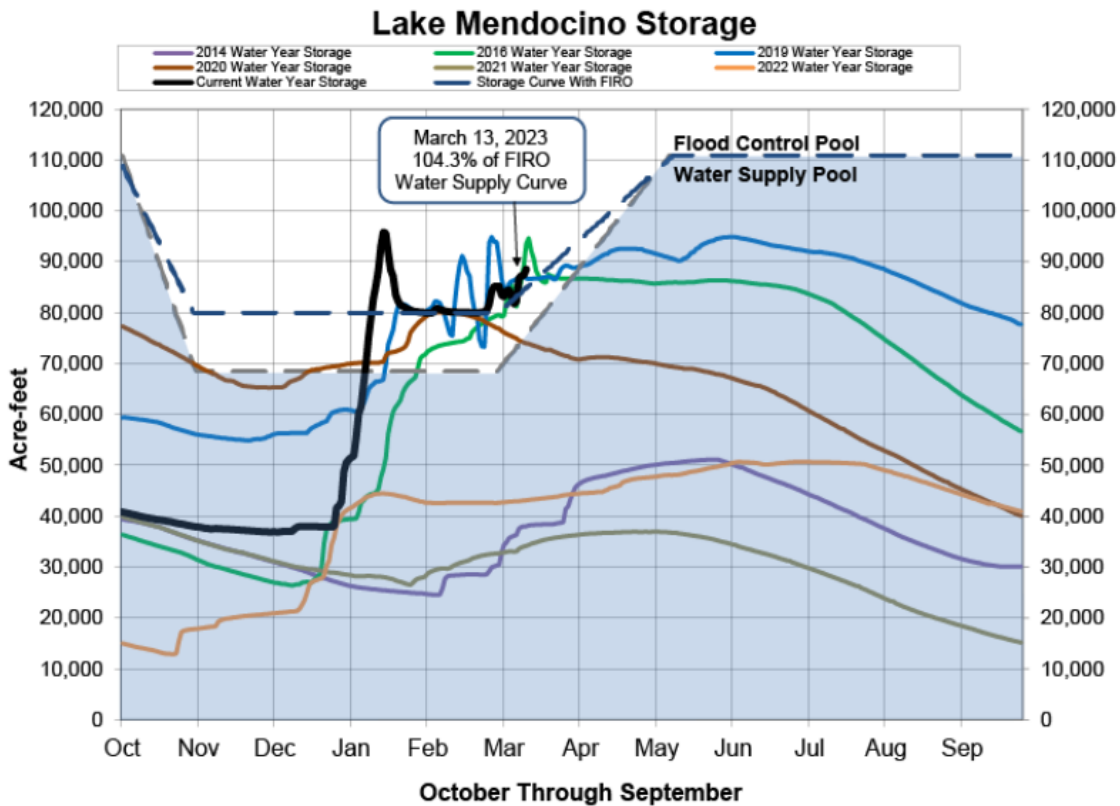
Water supply information below and **attached** provided by Sonoma Water.

National Weather Service updates **attached**.

[CA Water Education Foundation links various articles on next atmospheric river on the way.](#)

[Have you seen Sonoma Water website's Water Supply page?](#)

Below is a graph that shows the success of [FIRO](#). Click the links to find out more!



Lake Mendocino**3/13**

Current Storage (acre-feet)	88,488
Target Water Supply Storage Curve (acre-feet)	73,678
% of Target Water Supply Storage Curve	120.10%
7-day change (acre-feet)	+4,018

Lake Pillsbury**3/11**

Current Storage (acre-feet)	59,912
Target Storage Curve (acre-feet)	58,829
7-day change (acre-feet)	+2,479

Lake Sonoma**3/13**

Current Storage (acre-feet)	280,087
Target Storage Curve (acre-feet)	245,000
% of Water Supply Pool	114.32%
7-day change (acre-feet)	+25,638

Governor's Newest Executive Order Addresses Floodwater Recharge & Groundwater Storage

The Governor signed an executive order to enable local water agencies and other water users to capture water from the latest round of storms to recharge state groundwater supplies. “California is seeing extreme rain and snow, so we’re making it simple to redirect water to recharge groundwater basins. This order helps us take advantage of expected intense storms and increases state support for local stormwater capture efforts.”

Learn more: [Maven's Notebook, 3/10/23](#)

**TAKING ACTION
TO RECHARGE
CALIFORNIA'S
GROUNDWATER.**



2023 Wildlife Film Festival

The Redwood Valley Outdoor Education Project (RVOEP) is proud to again host an engaging selection of award-winning films from the International Wildlife Film Festival (IWFF) of Missoula, Montana. The final screening is being held at the Ukiah Civic Center, 300 Seminary Avenue Friday March 17th Predator Night – Bears, Coyotes, and People with live music by Steve Hahm. For more information visit the [RVOEP website](#).

In the press:

- [CA Water Plan eNews, 3/8/23](#)
- [Maven's Notebook March 5-10, 2023](#)

- [ENR - Infrastructure Still a Theme of Biden FY 2024 Budget Proposal, 3/9/23](#)
- [The Day - California vineyards delighted by record rainfall, 3/7/23](#)
- [ABC 7 KRCR - \\$22.5M awarded to salmon and habitat projects across California, 3/7/23](#)
- [SF Chronicle - Opinion: Working water is not wasted water. How healthy, flowing rivers benefit people and the environment, 3/8/23](#)

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

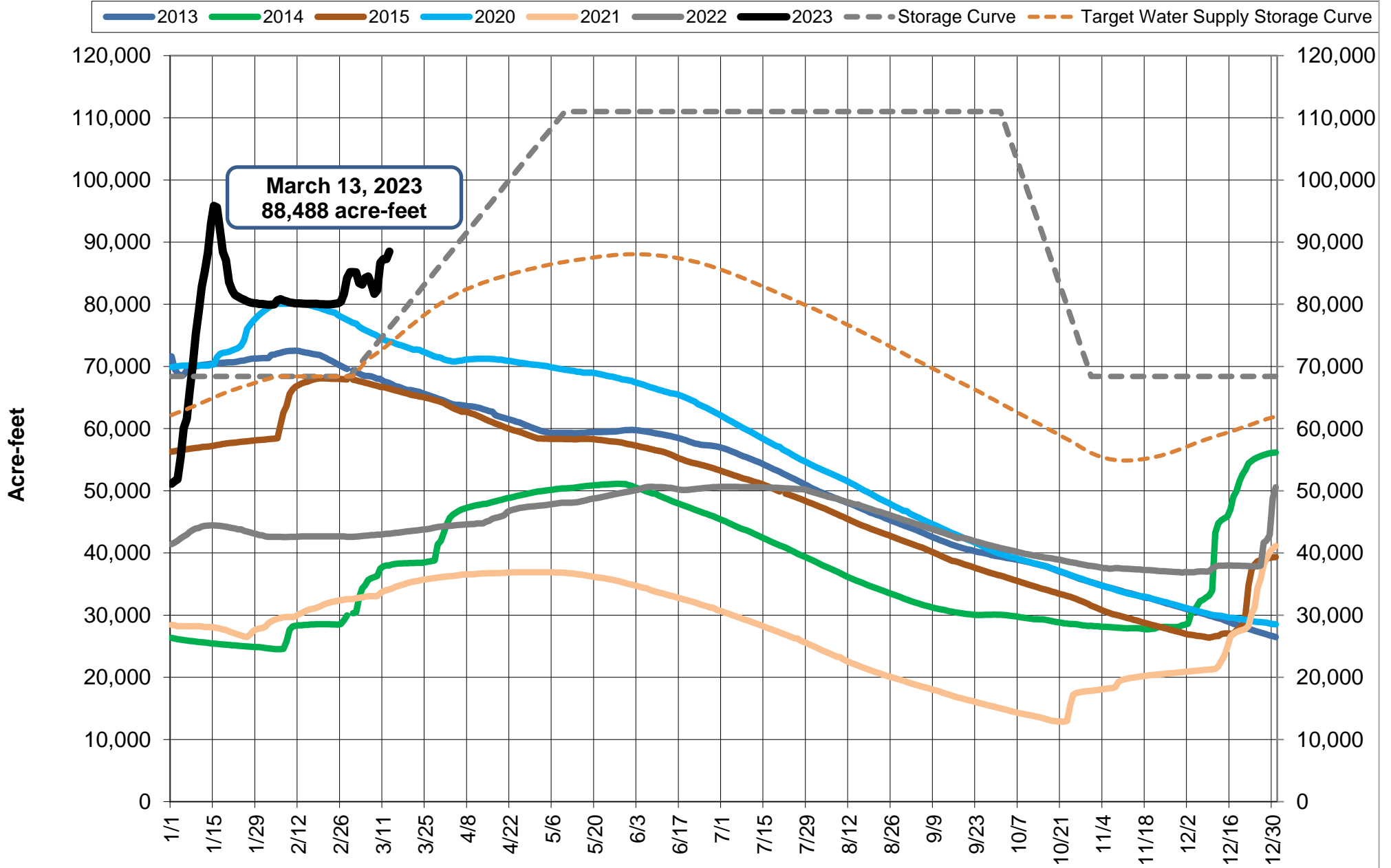
**Mendocino County Russian River Flood Control
& Water Conservation Improvement District**

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

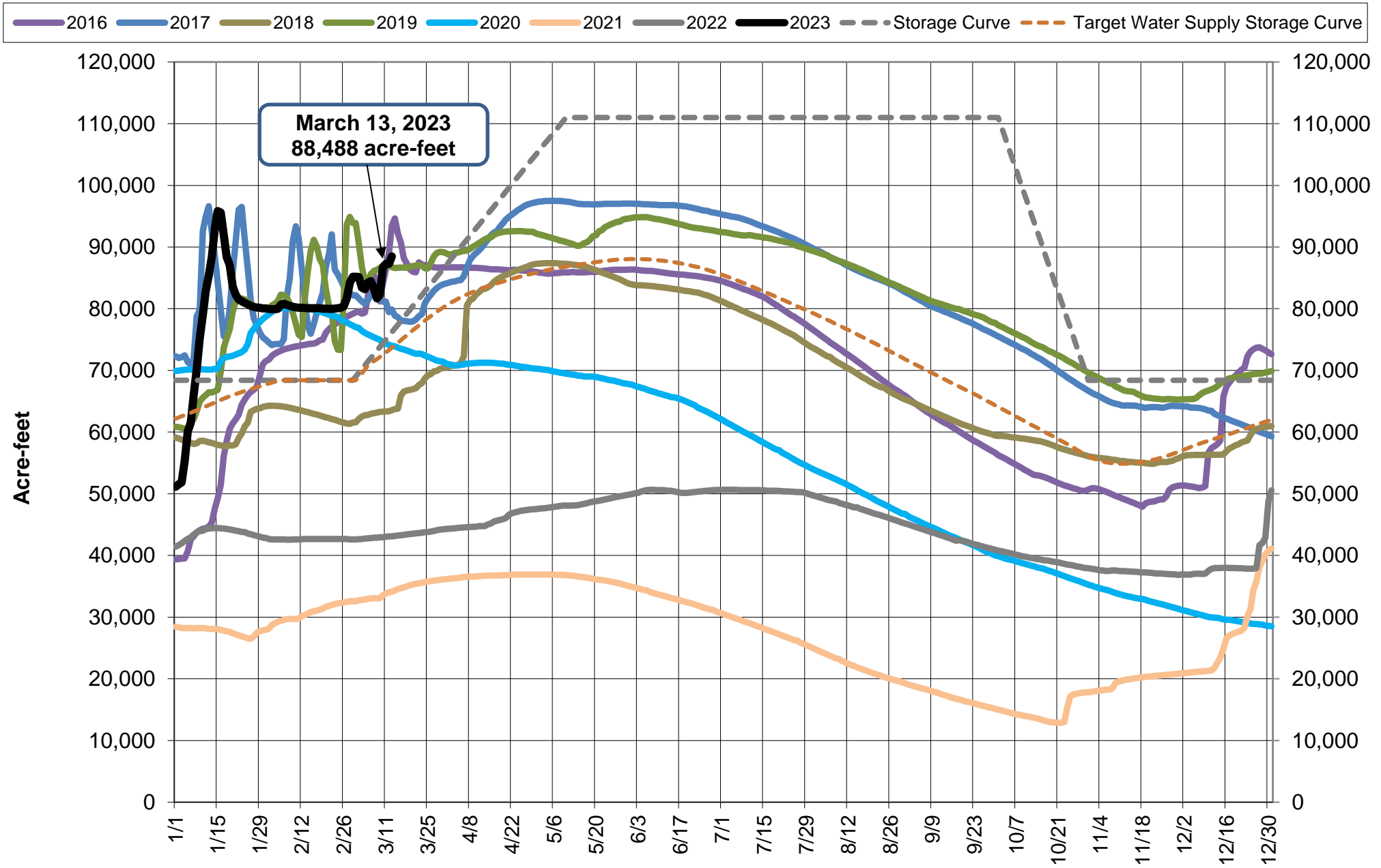
Cell: 707-462-5278 www.RRFC.net



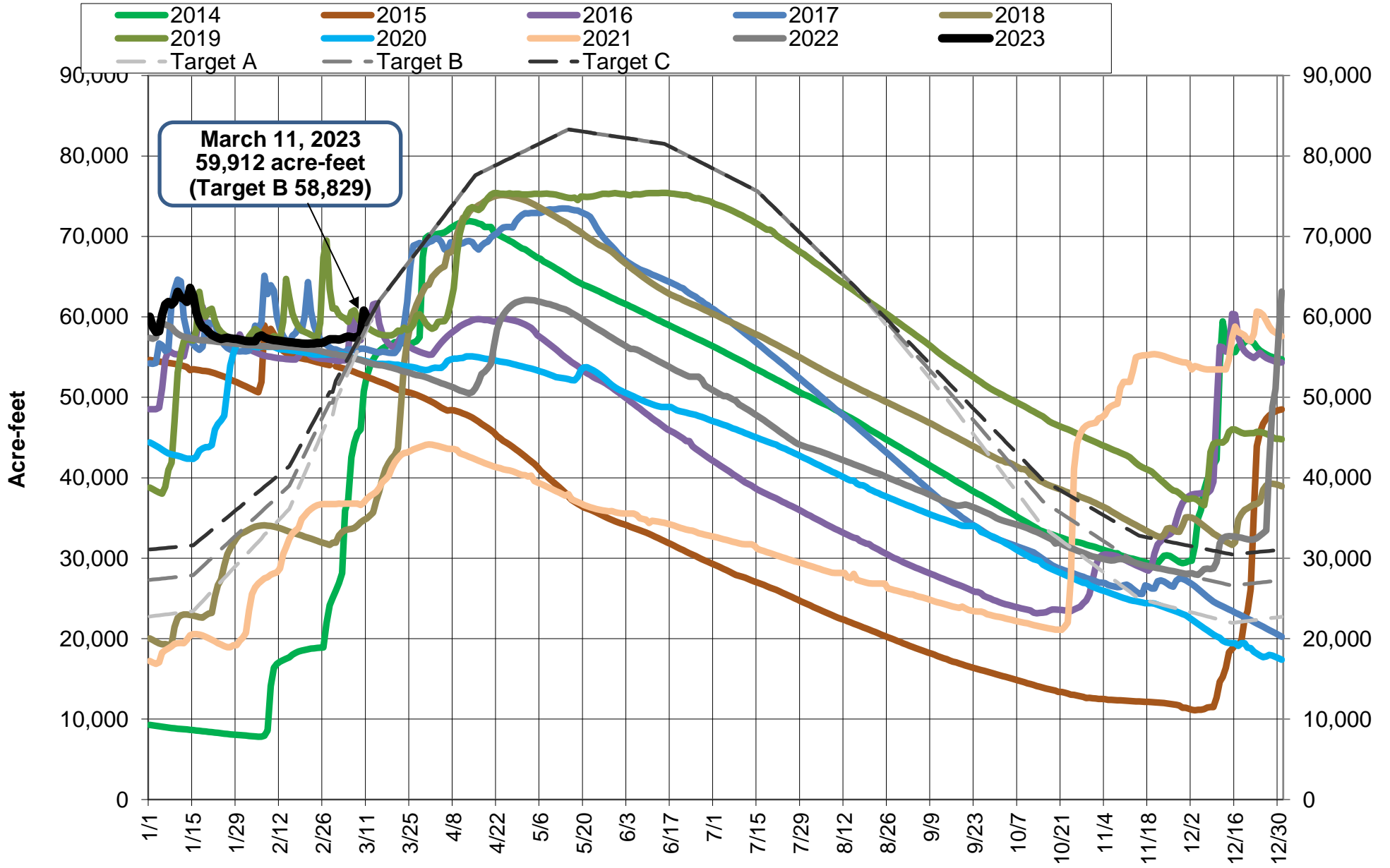
Lake Mendocino Storage - Drought Years



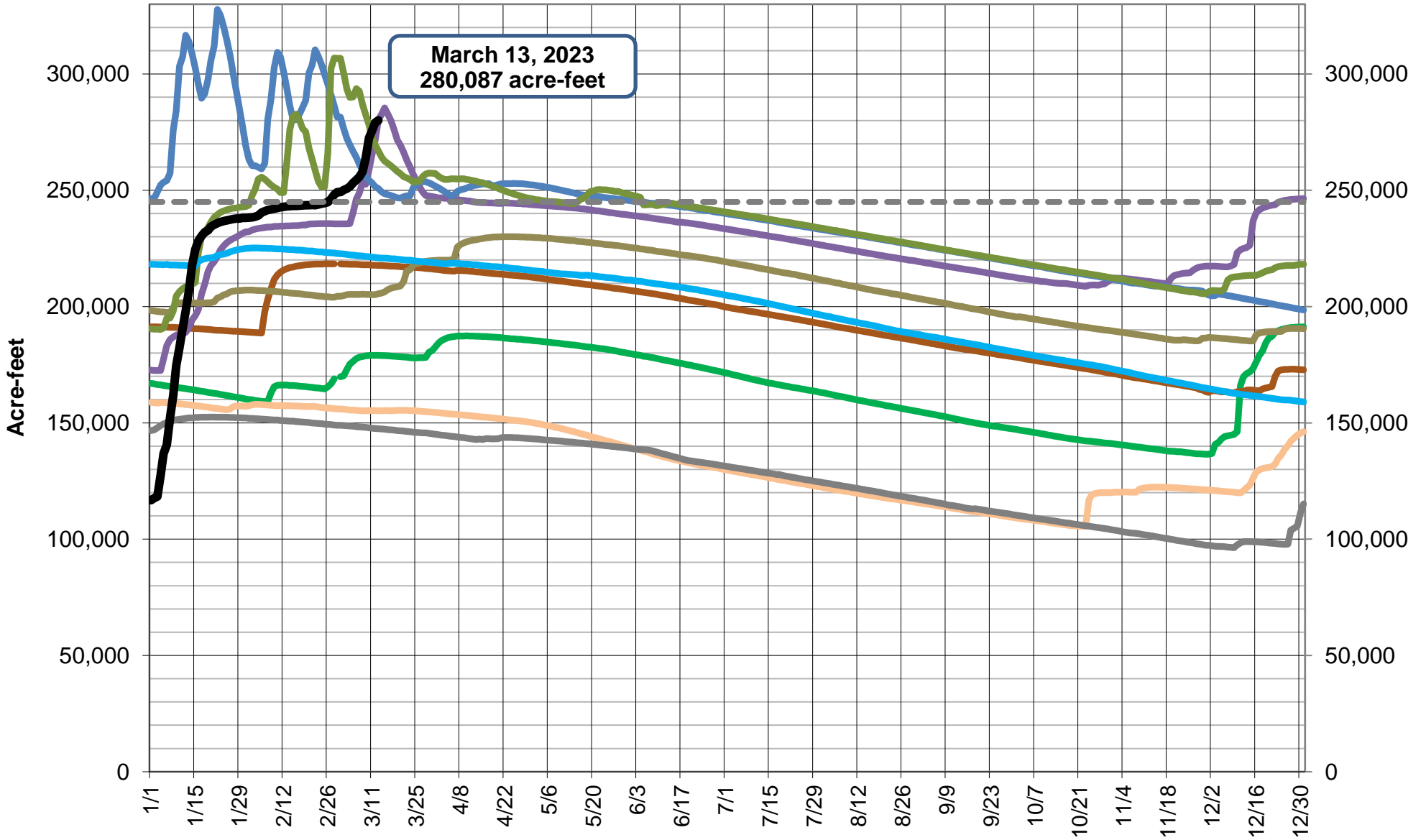
Lake Mendocino Storage

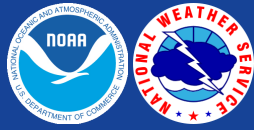


Lake Pillsbury Storage and Target Storage Scenarios



Lake Sonoma Storage





Multiple Rounds of Rain and Gusty Ridgetop Winds through Tuesday

Heavy rain showers and gusty ridgetop winds will spread across the area Monday. A second round of heavy rain and gusty winds is expected for Tuesday. Some rivers are forecast to exceed Flood Stage.

KEY POINTS

- Increasing threat for nuisance urban and small stream flooding starting today
- Atmospheric river to bring heavy rain, strong winds, and flooding Monday into Tuesday
- Rain and snow melt will increase runoff in Trinity County
- Some rivers are forecast to exceed flood stage by Tuesday

WEATHER RISK OUTLOOK

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

	Mon 3/13	Tue 3/14	Wed 3/15	Thu 3/16	Fri 3/17	Sat 3/18
Lake County Clearlake, Lakeport	Rain Wind	Heavy Rain Wind Flooding	AM Light Rain	Cold AM	Light Rain	Light Rain
Del Norte County Crescent City, Gasquet	Heavy Rain Wind Flooding	Heavy Rain Wind Flooding	AM Light Rain	Cold AM	Light Rain	Light Rain
Mendocino County Ukiah, Fort Bragg	Rain Wind	Heavy Rain Wind River Flooding	AM Light Rain	Cold AM	Light Rain	Light Rain
Trinity County Weaverville, Hayfork	Heavy Rain Wind	Heavy Rain Wind	AM Light Rain Light Mountain Snow	Cold AM	Light Rain	Light Rain
Humboldt County Eureka, Fortuna, Willow Creek	Heavy Rain Wind Flooding	Heavy Rain Wind River Flooding	AM Light Rain	Cold AM	Light Rain	Light Rain

Risk Levels

Little to None

Minor

Moderate

Major

Extreme

DETAILS

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

Rain

Impacts:

- Heavy rainfall and strong gusty winds with an atmospheric river storm.

Timing:

Monday through Tuesday

Confidence:

High

- See the attached rainfall total graphic below for rainfall in your area.
- Rain will be heaviest north of Mendocino County through Monday.
- Heaviest rain in Mendocino and Lake counties is expected Monday evening into Tuesday morning.

Wind

Impacts:

- Hazardous crosswinds, especially for high profile vehicles.
- Tree damage and power outages possible.

Timing:

Monday through Tuesday

Confidence:

High

- Strongest south wind gusts on ridgetops during the day Monday and again Tuesday.
- Wind gusts over 50 mph possible.

River Flooding

Impacts:

- Moderate to heavy rain leading to minor roadway and small stream flooding.
- Localized rockslides possible in canyons and along steep hillsides.
- The Russian River at Hopland and the Eel River at Fernbridge are forecast to exceed flood stage on Tuesday.
- The Mad River in Arcata is currently forecast to reach monitor stage by late Monday.
- Snowmelt may increase runoff in Trinity County.

Timing:

Monday through Wednesday

Confidence:

Moderate

- Small stream flooding could occur as early as Monday afternoon north of Mendocino County.
- Small stream flooding threats will expand south into Mendocino and Lake counties Monday evening.
- River flooding is primarily expected Tuesday into Wednesday.

FOR MORE INFORMATION

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

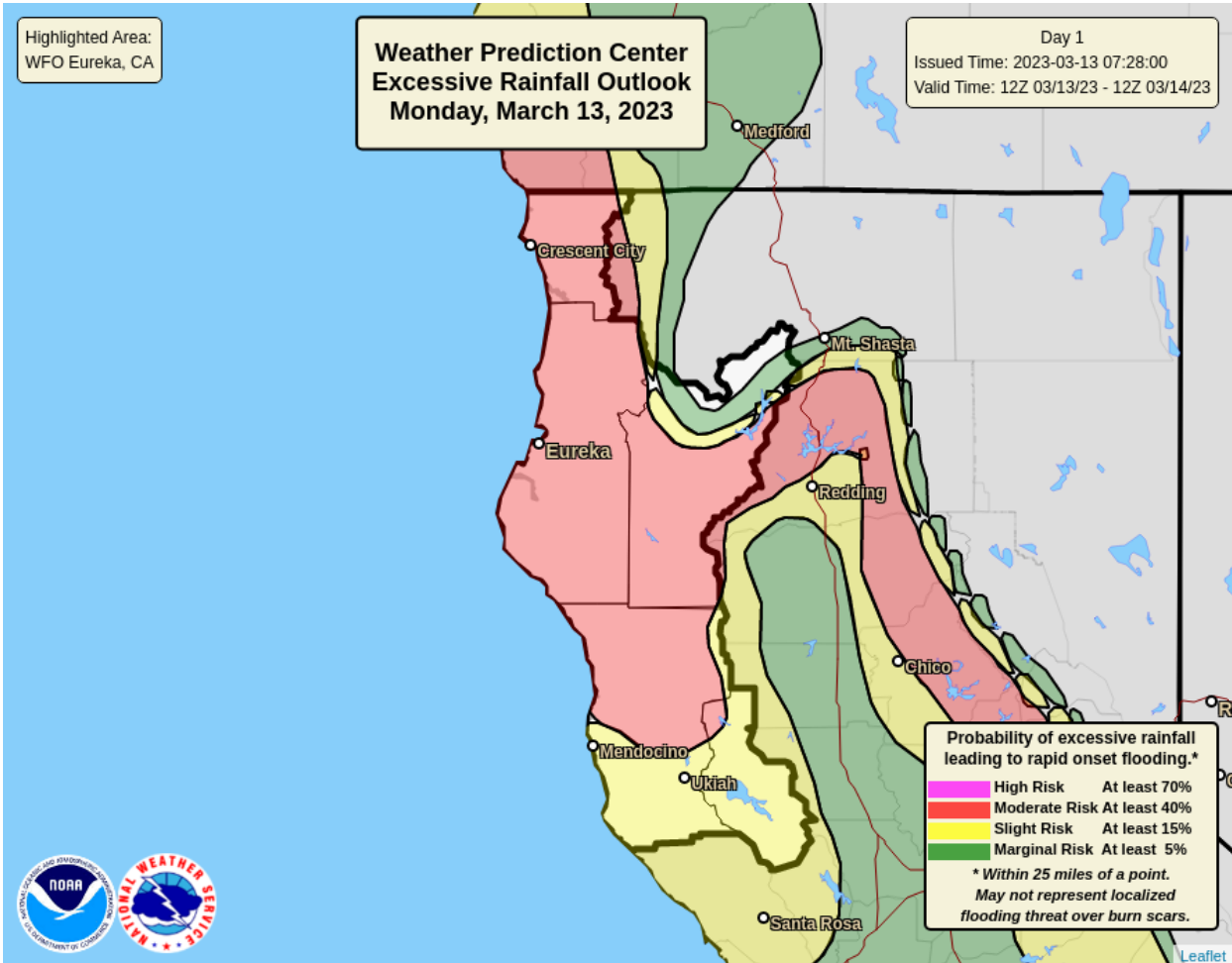
If you have questions or would like to submit weather reports, photos, or to unsubscribe from these briefings, email nws.eureka@noaa.gov or call (707) 443-6484.

GRAPHICS

Highlighted Area:
WFO Eureka, CA

**Weather Prediction Center
Excessive Rainfall Outlook
Monday, March 13, 2023**

Day 1
Issued Time: 2023-03-13 07:28:00
Valid Time: 12Z 03/13/23 - 12Z 03/14/23



EKA Excessive Rainfall Outlook

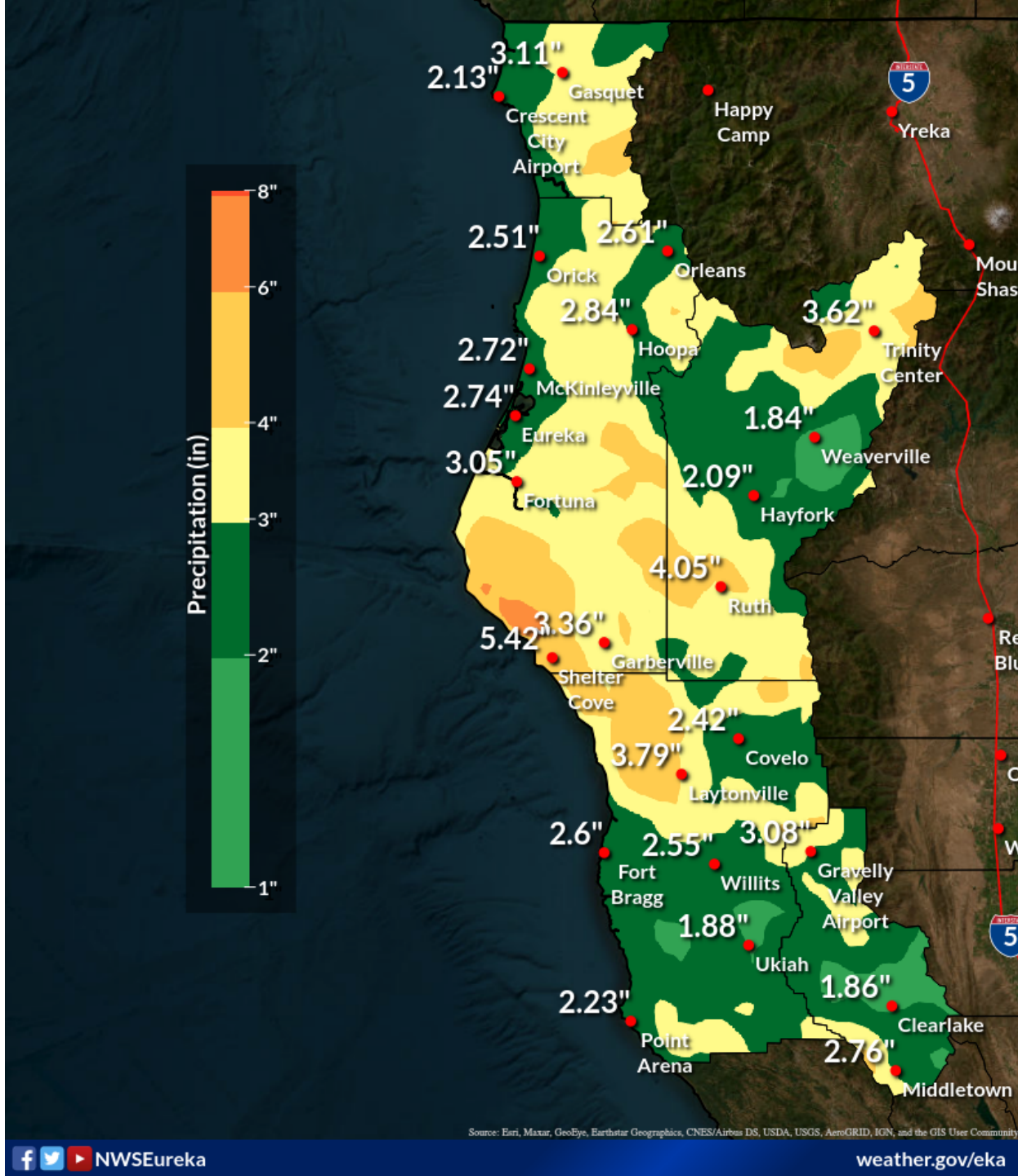
Additional Rainfall

Weather Forecast Office
Eureka, CA



Rainfall from 5am Monday through 11pm Tuesday

Issued Mar 13, 2023 6:17 AM PDT



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

NWSEureka

weather.gov/eka

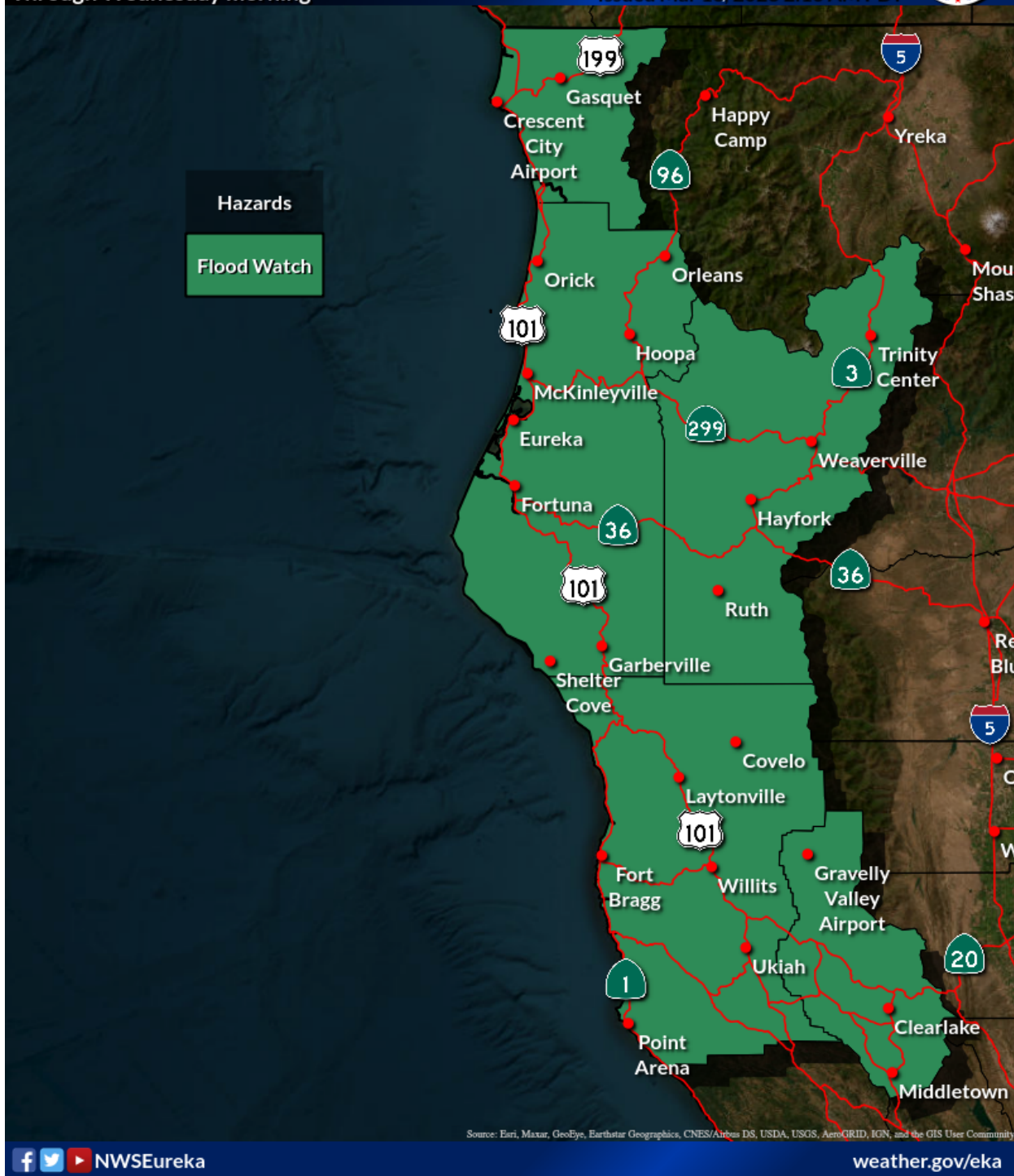
Mon_Tue_Rain.png

Flood Watch

Through Wednesday morning

Weather Forecast Office
Eureka, CA

Issued Mar 13, 2023 2:16 AM PDT



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

0313_FloodWatch.png

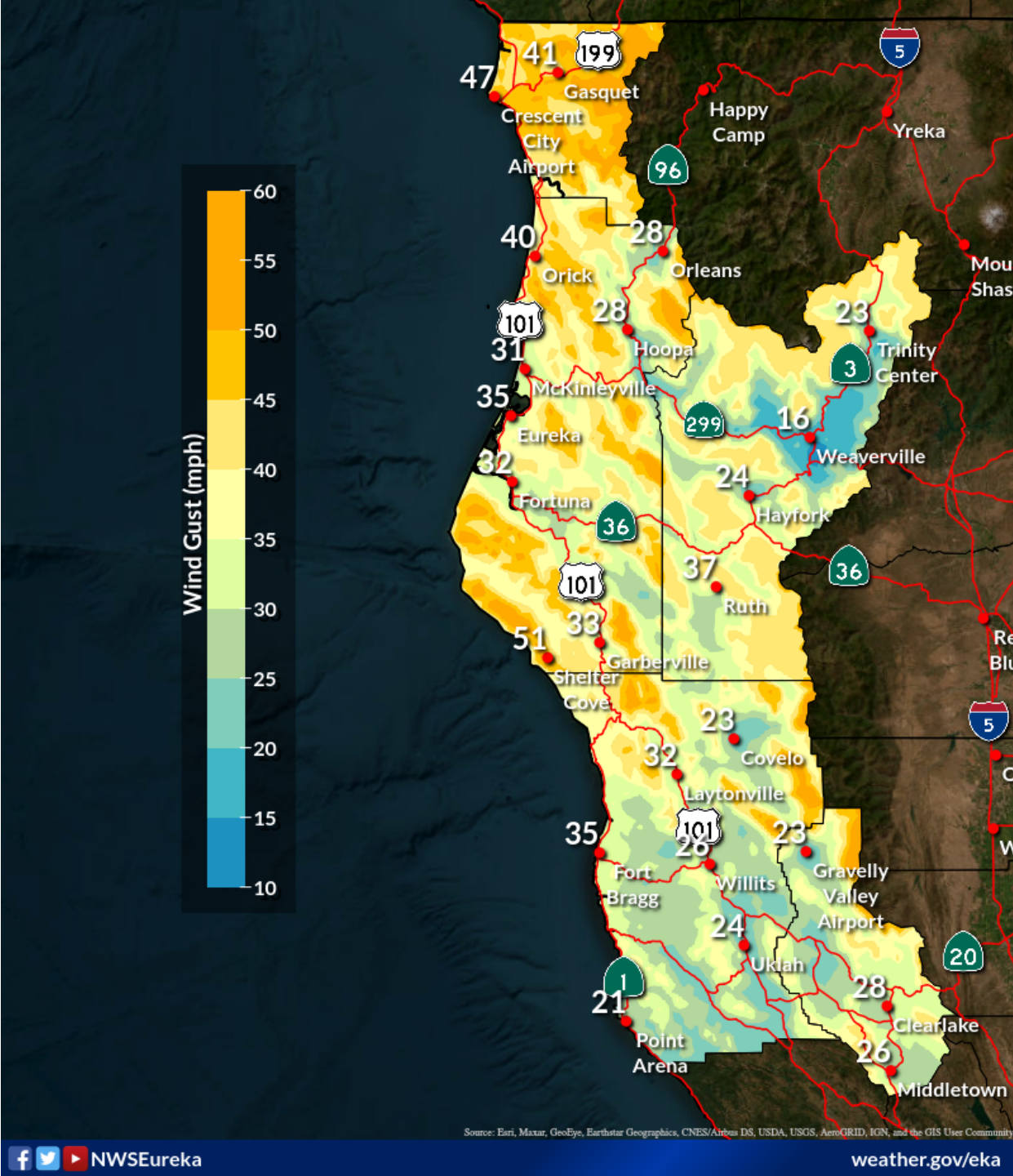
Max Wind Gusts

Weather Forecast Office
Eureka, CA



Monday

Issued Mar 13, 2023 6:22 AM PDT



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

NWSEureka

weather.gov/eka

0313_WindGusts1.png

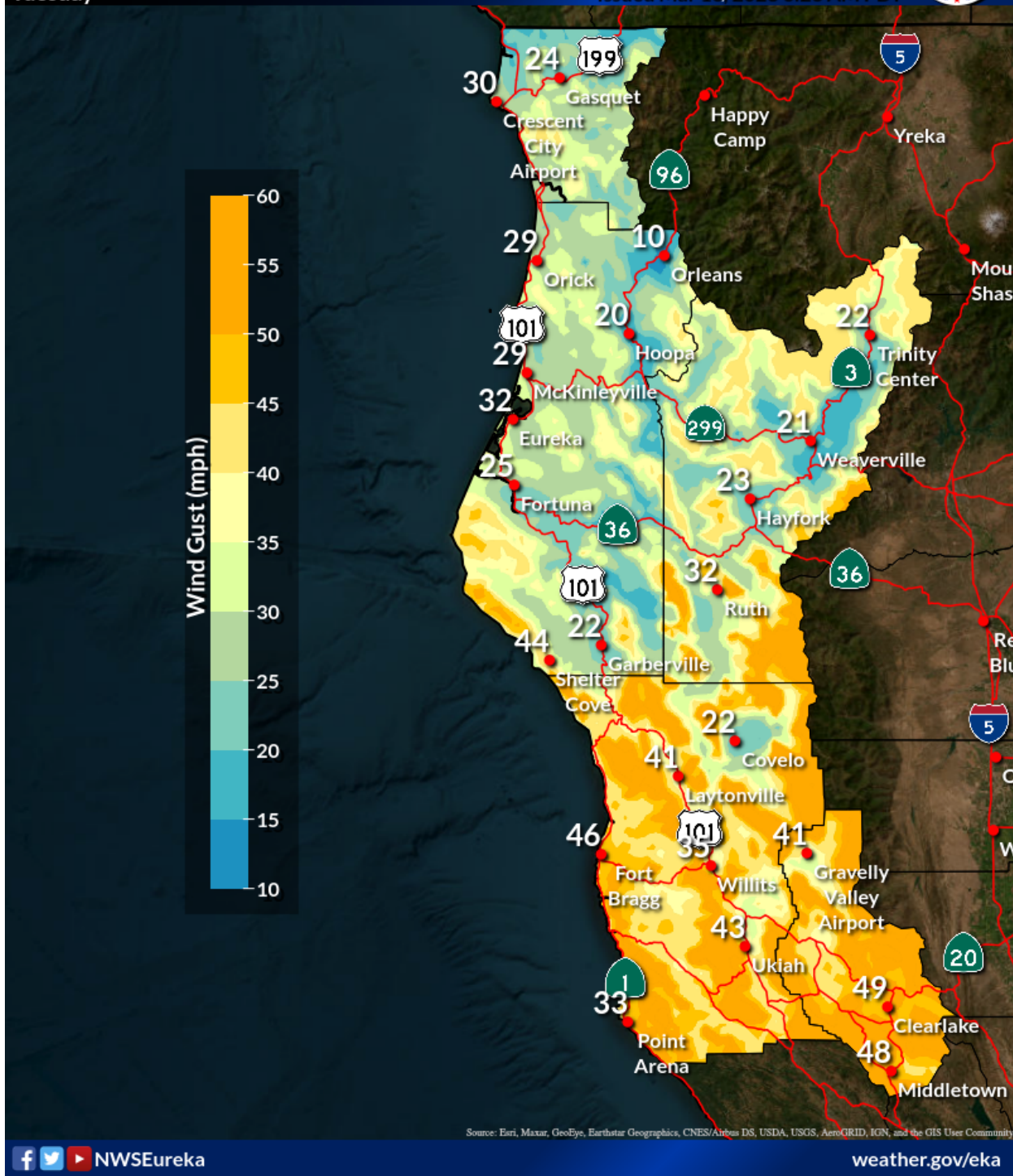
Max Wind Gusts

Weather Forecast Office
Eureka, CA



Tuesday

Issued Mar 13, 2023 6:23 AM PDT



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

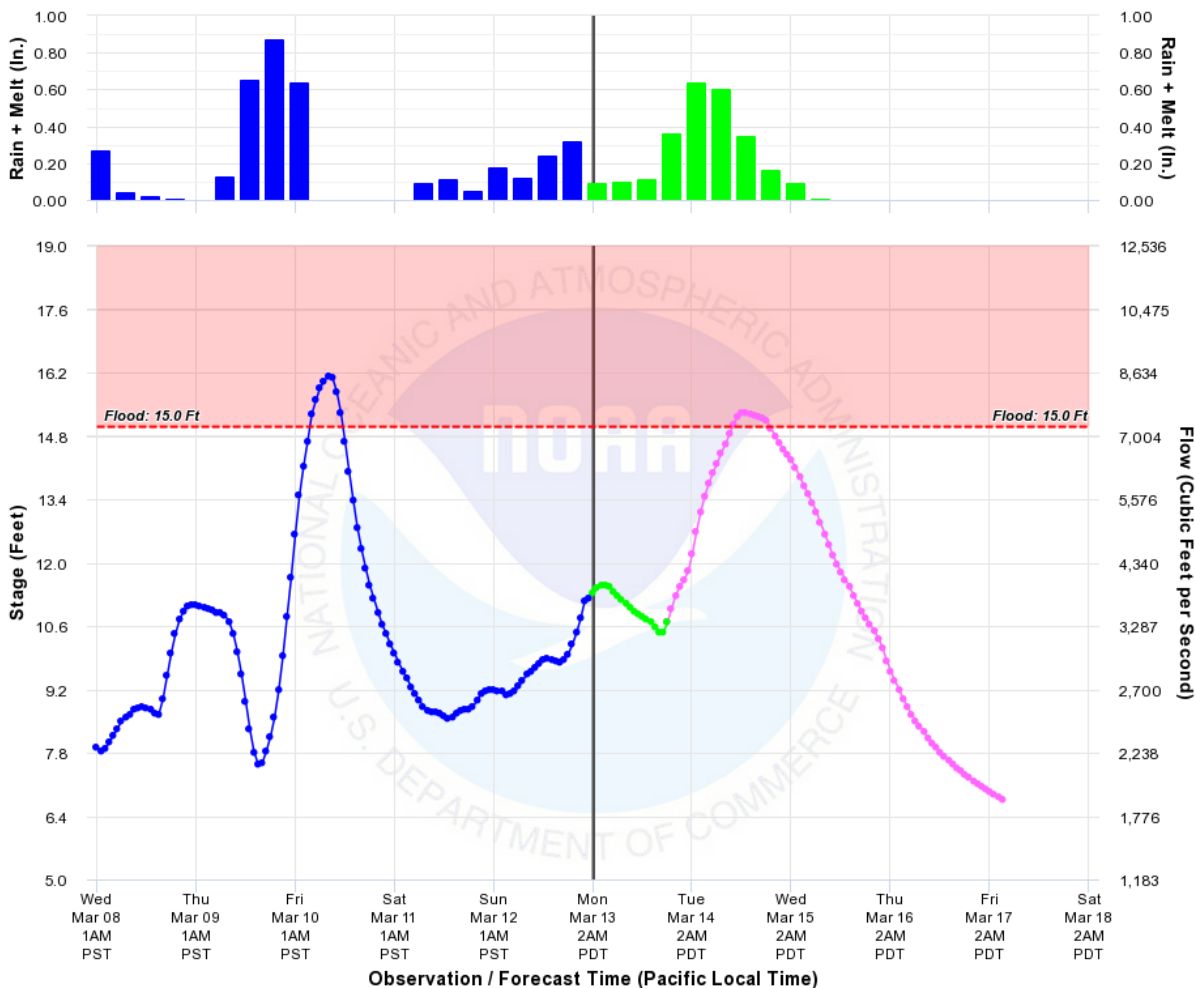
NWSEureka

[weather.gov/eka](https://www.weather.gov/eka)

0313_WindGusts2.png

Russian River - Hopland (HOPC1) River Forecast Plot

Forecast Posted: 03/13/2023 at 1:58 AM PDT • Graphic Created: 03/13/2023 at 2:02 AM PDT

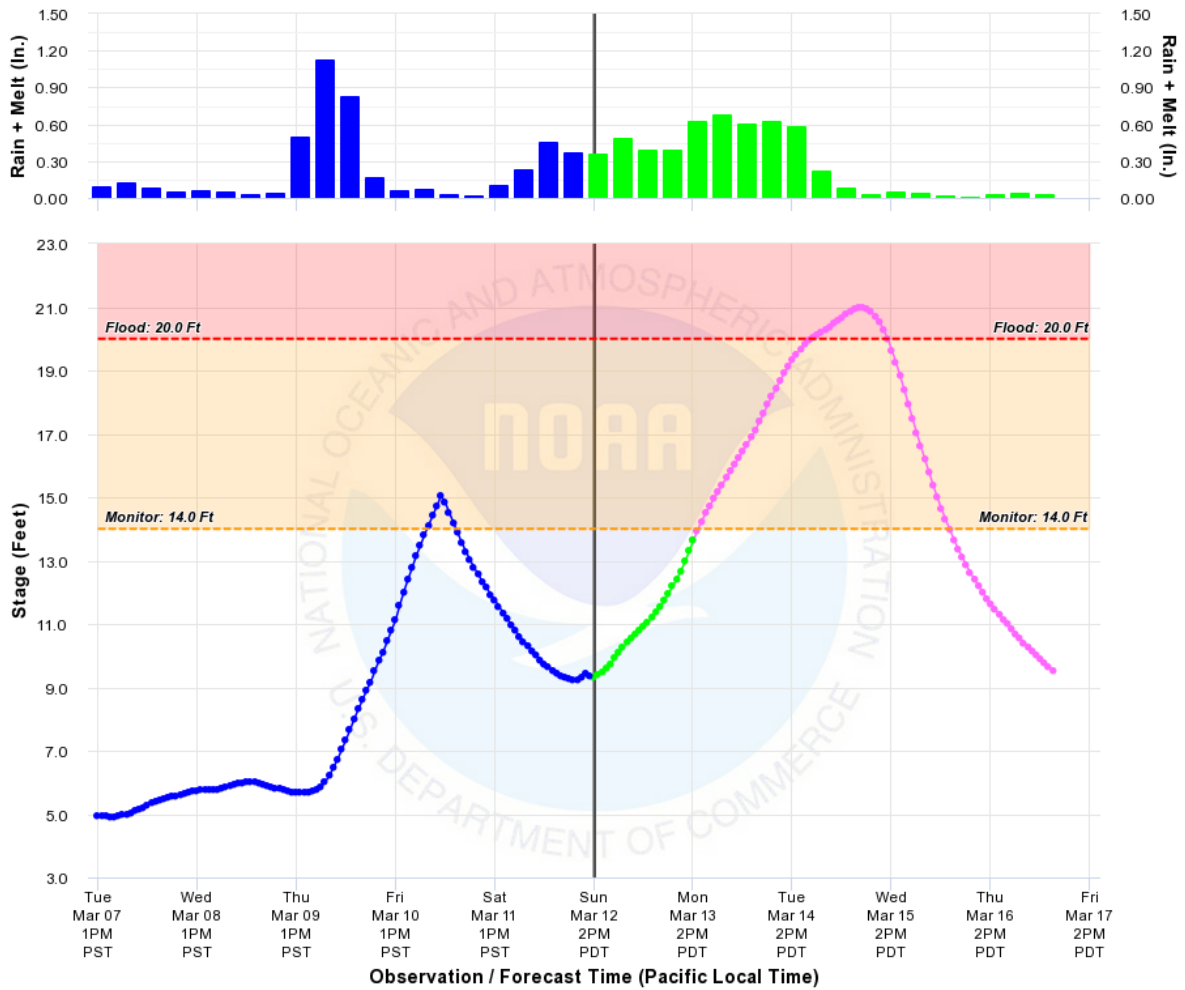


NOAA / NWS / California Nevada River Forecast Center • California Department of Water Resources
 —●— Observed — Forecast — Guidance - - - Flood Stage

HOPC1_rvf.png

Eel River - Fernbridge (FRNC1) River Forecast Plot

Forecast Posted: 03/12/2023 at 1:53 PM PDT • Graphic Created: 03/12/2023 at 2:15 PM PDT

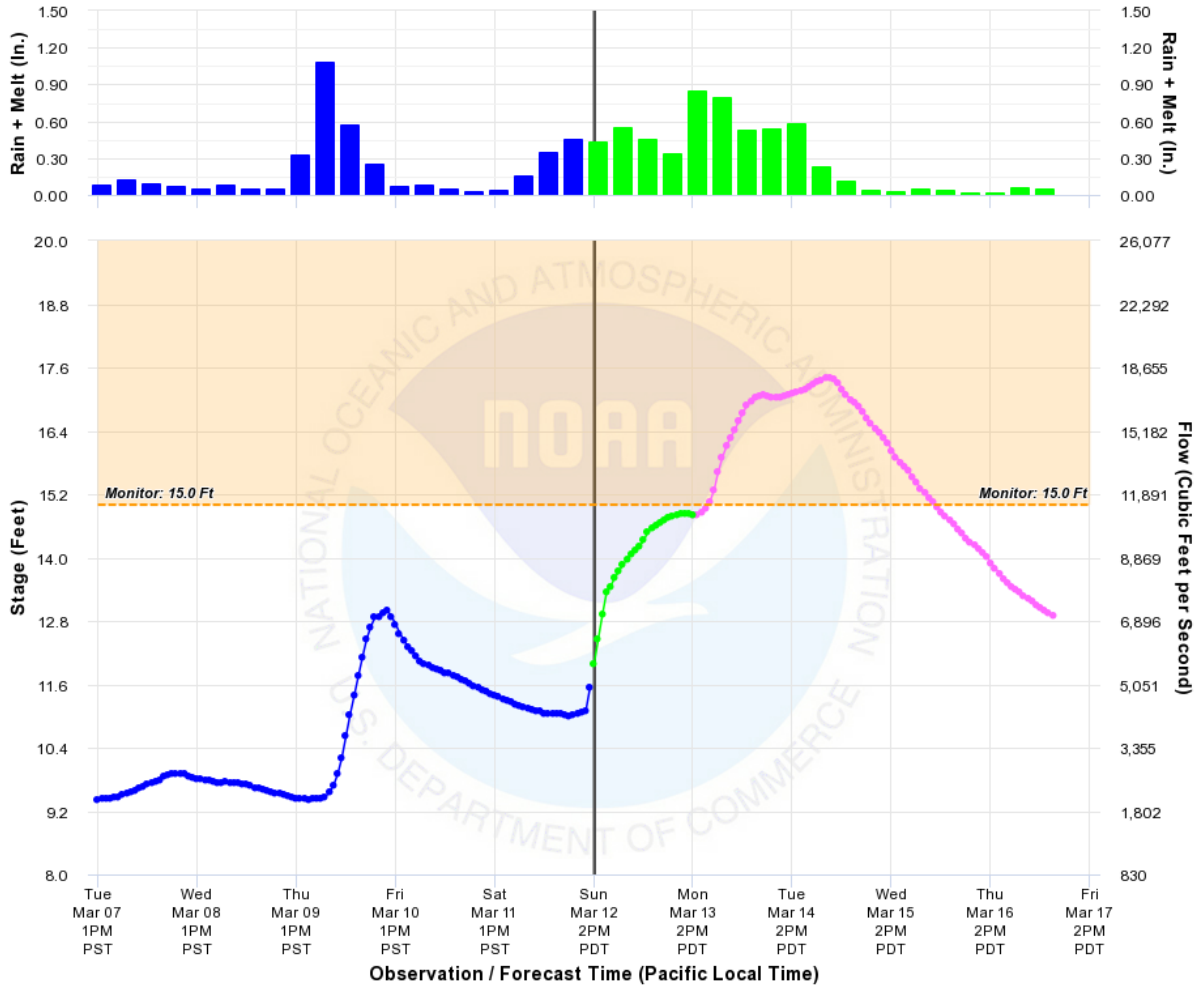


NOAA / NWS / California Nevada River Forecast Center • California Department of Water Resources
 - Observed - Forecast - Guidance - Monitor Stage - Flood Stage

FRNC1_rvf.png

Mad River - Arcata (ARCC1) River Forecast Plot

Forecast Posted: 03/12/2023 at 1:53 PM PDT • Graphic Created: 03/12/2023 at 2:15 PM PDT



NOAA / NWS / California Nevada River Forecast Center • California Department of Water Resources
 - Observed - Forecast - Guidance - Monitor Stage - Flood Stage

ARCC1_rvf.png