










Weather for Folsom, CA

[More at Dark Sky](#)

 **59°**
and rising
Clear

Today	Wed	Thu	Fri	Sat	Sun	Mon	Tue
							
71°	70°	71°	70°	72°	74°	72°	68°

ALERT Rain and Stream Gauges for Enhanced Storm Response



Project Summary

- Original gauge system became obsolete
- City obtained \$100K total in grant funding from two Department of Water Resources Flood Emergency Response Grants
- Contracted with WEST Consultants and High Sierra Electronics to perform the work – work completed in 2022
- Equipment included seven rain gauges, four stream gauges, and one base station
- Data hosted on Contrail web interface available to the public

Gauge Locations

- Rain and Stream Gauge
 - Hinkle Creek at Oak Ave
 - Willow Creek at Silberhorn Dr
 - Willow / Humbug Confluence at Blue Ravine Rd
 - Alder Creek at Prairie City Rd
- Rain Gauge
 - Water Treatment Plant
 - Livermore Community Park
 - Zone 5 Water Tank
- Gauges Operated by Others
 - Folsom Point Dyke 8 – Rain Gauge (Bureau of Reclamation)
 - American River at Hazel Ave – Stream Gauge (State Parks)



Rain Gauge



- Hinkle Creek at Oak Ave



- Livermore Community Park



- Willow/Humbbug Confluence

Stream Gauge



- Alder Creek at Prairie City

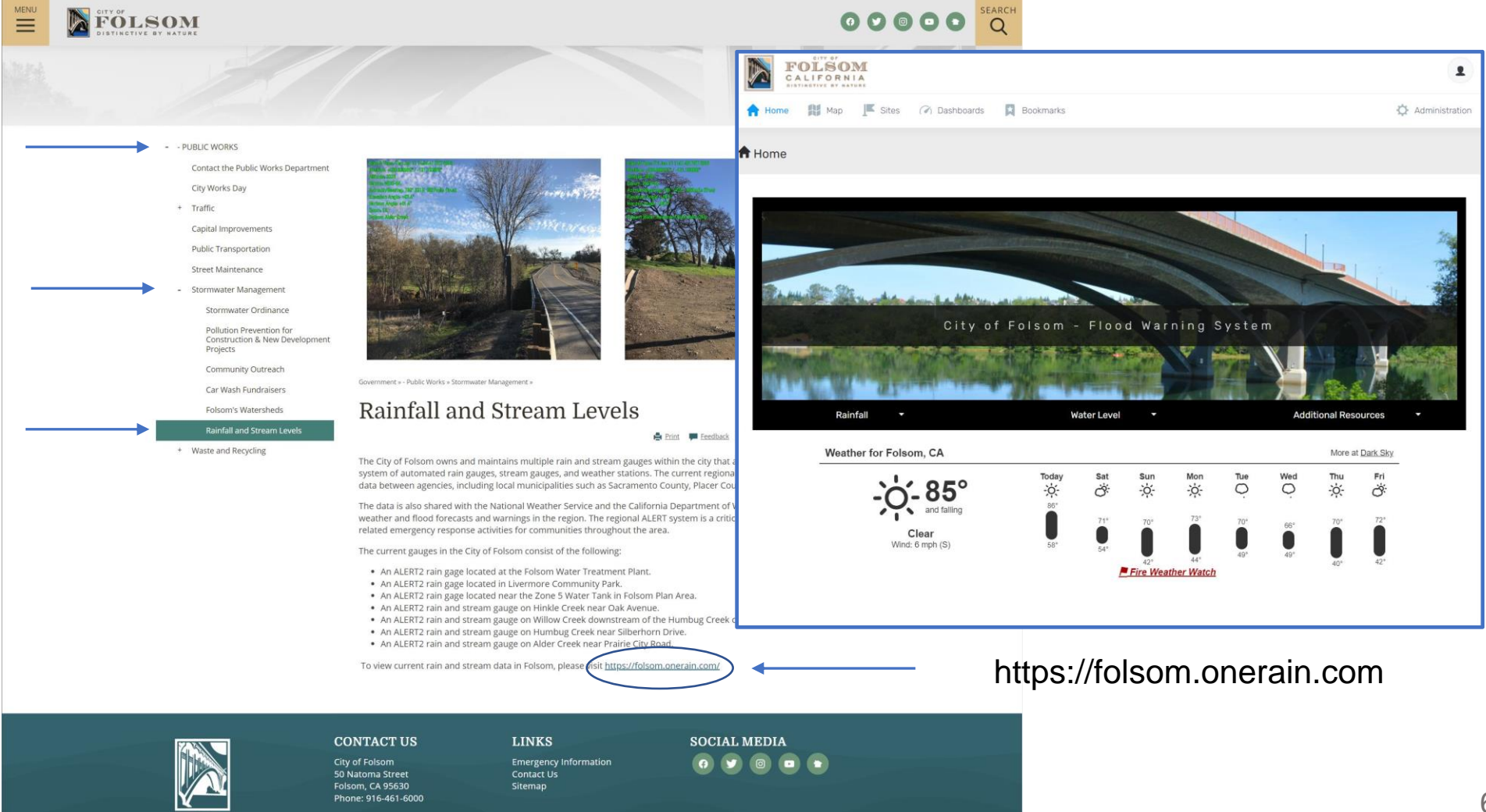


- Hinkle Creek at Oak Avenue



- Willow/Humbug Confluence

Website



The screenshot displays the City of Folsom website. On the left is a navigation menu with categories: PUBLIC WORKS, Stormwater Management, and Rainfall and Stream Levels. The 'Rainfall and Stream Levels' page is active, featuring a title, a list of gauges, and a link to <https://folsom.onerain.com/>. A weather widget for Folsom, CA shows a current temperature of 85° and a forecast for the next five days. A 'Fire Weather Watch' alert is visible in the weather widget. A blue box highlights the weather widget and the URL link.

Government » Public Works » Stormwater Management »

Rainfall and Stream Levels

The City of Folsom owns and maintains multiple rain and stream gauges within the city that a system of automated rain gauges, stream gauges, and weather stations. The current regional data between agencies, including local municipalities such as Sacramento County, Placer County, and Yuba County.

The data is also shared with the National Weather Service and the California Department of Water Resources. The regional ALERT system is a critical emergency response activities for communities throughout the area.

The current gauges in the City of Folsom consist of the following:

- An ALERT2 rain gage located at the Folsom Water Treatment Plant.
- An ALERT2 rain gage located in Livermore Community Park.
- An ALERT2 rain gage located near the Zone 5 Water Tank in Folsom Plan Area.
- An ALERT2 rain and stream gauge on Hinkle Creek near Oak Avenue.
- An ALERT2 rain and stream gauge on Willow Creek downstream of the Humbug Creek.
- An ALERT2 rain and stream gauge on Humbug Creek near Silberhorn Drive.
- An ALERT2 rain and stream gauge on Alder Creek near Prairie City Road.

To view current rain and stream data in Folsom, please visit <https://folsom.onerain.com/>

Weather for Folsom, CA

Today	Sat	Sun	Mon	Tue	Wed	Thu	Fri
85° and falling Clear Wind: 6 mph (S)	71° 54°	70° 42°	73° 44°	70° 49°	66° 49°	70° 40°	72° 42°

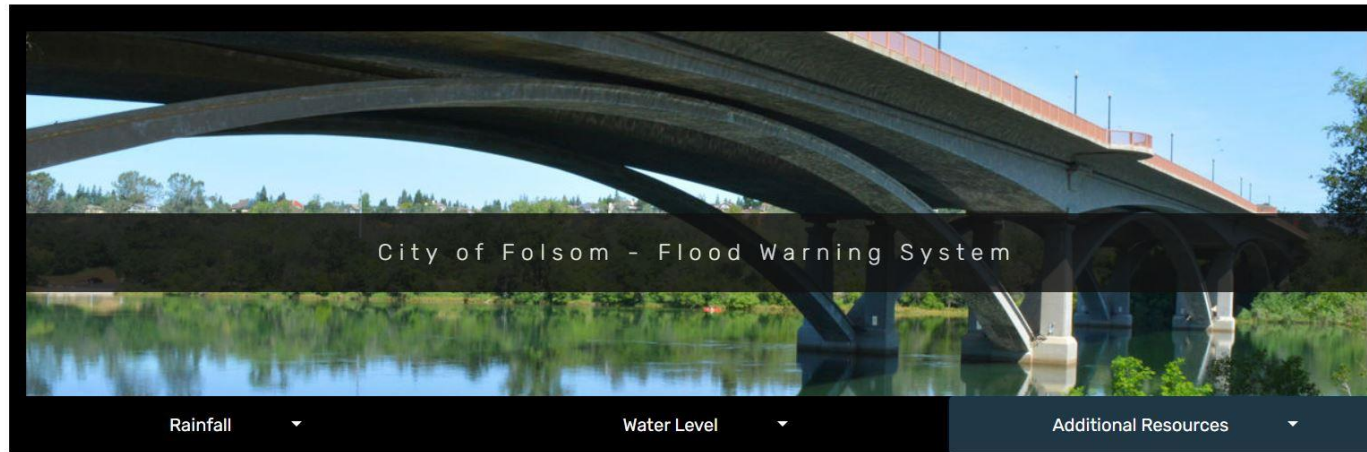
Fire Weather Watch

<https://folsom.onerain.com>



- [Home](#)
- [Map](#)
- [Sites](#)
- [Dashboards](#)
- [Bookmarks](#)

Home



Weather for Folsom, CA

 **69°**
and rising
Clear
Wind: 3 mph (W)

Today

71°

51°

Wed

69°

45°

Thu

71°

42°

Fri

70°

47°

Sa

72°


45°

City of Folsom


- [NWS Weather for Folsom, CA](#)
- [NWS Weather Story - Sacramento, CA](#)
- [Sacramento County Rainfall and Stream Level Information System](#)

45° 45° 46° 49°

Data Collection – Rain Gauge



CITY OF
FOLSOM
CALIFORNIA
DISTINCTIVE BY NATURE



[Home](#) [Map](#) [Sites](#) [Dashboards](#) [Bookmarks](#)

[Administration](#)

All Sites Reload

[Home](#) > [Sites](#)

8

Exit Historic Mode
All Sites
All Sites
Sub-Groups

Columns

[Out of Service](#) Yes

[End Time](#)

2022-09-19 16:54:56

Site	15 Min	30 Min	1 Hour	3 Hour	6 Hour	12 Hour	24 Hour	48 Hour	7 Day	30 Day
Alder Cr at Prairie City Rd	0.00	0.00	0.04in	0.04in	0.04in	0.12in	0.24in	0.24in	0.24in	0.24in
Folsom Point Dyke 8	0.00	0.00	0.04in	0.04in	0.04in	0.08in	0.16in	0.16in	0.16in	0.16in
Folsom WTP	0.04in	0.04in	0.12in	0.12in	0.12in	0.16in	0.28in	0.28in	0.28in	0.28in
Hinkle Cr at Oak Ave	0.00	0.04in	0.04in	0.04in	0.04in	0.35in	0.55in	0.55in	0.55in	0.55in
Livermore Community Park	0.00	0.04in	0.08in	0.08in	0.08in	0.12in	0.24in	0.24in	0.24in	0.24in
Willow Creek at Silberhorn Dr	0.00	0.00	0.04in	0.04in	0.08in	0.16in	0.32in	0.32in	0.32in	0.32in
Willow/Humbug Confluence at Blue Ravine	0.00	0.00	0.04in	0.08in	0.08in	0.16in	0.32in	0.32in	0.32in	0.32in
Zone 5 Water Tank	0.00	0.00	0.04in	0.04in	0.04in	0.04in	0.20in	0.20in	0.20in	0.20in

Data Collection – Rain Gauge

📶 Rain Increment (0A)

🔄 Reload

🏠 Home > 📍 Sites > Folsom WTP (47501) > Rain Increment (0A) ▾

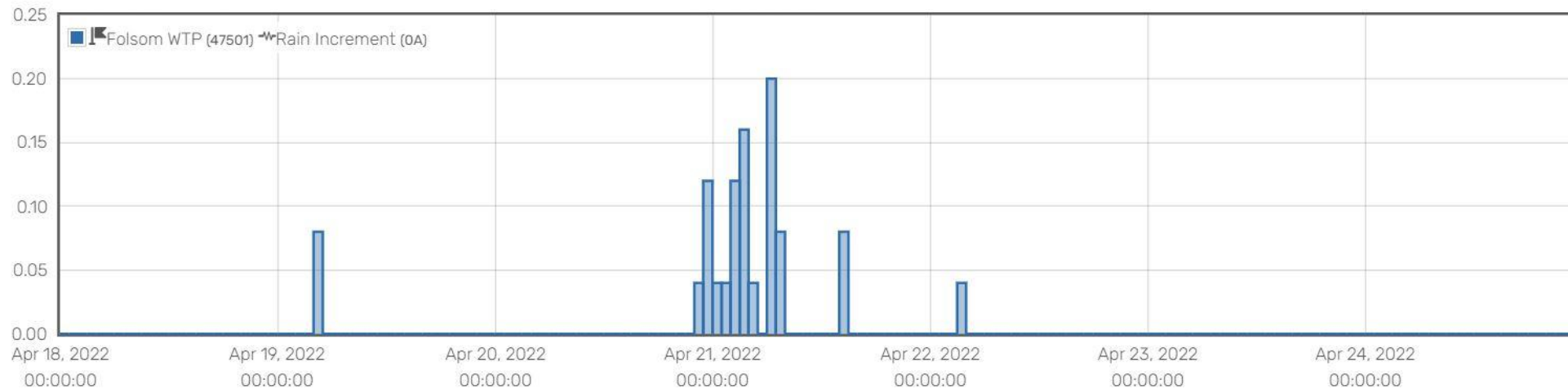
🕒 0.00 in
🕒 2 hours ago

⬆️ 0.04 in
Value Max

⬇️ 0.00 in
Value Min

📅 18 April, 2022 - 24 April, 2022

● Markers | 📄 Legend | ⏪ Hourly ▾



Data Collection – Stream Gauge

Stage (7)

Reload

Home > Sites > Hinkle Cr at Oak Ave (47502) > Stage (7)



269.31 ft

an hour ago



271.37 ft

Value Max



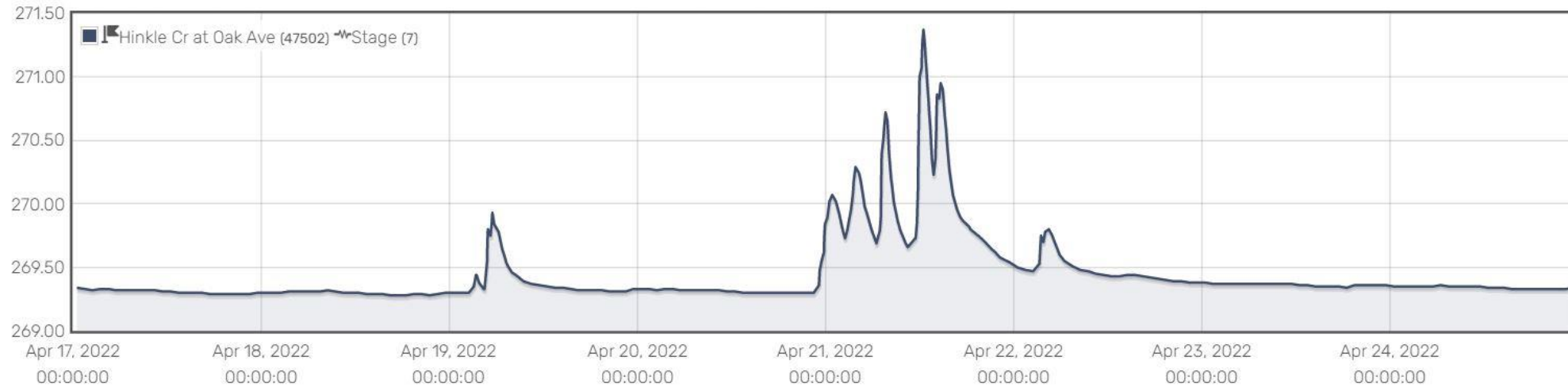
269.28 ft

Value Min

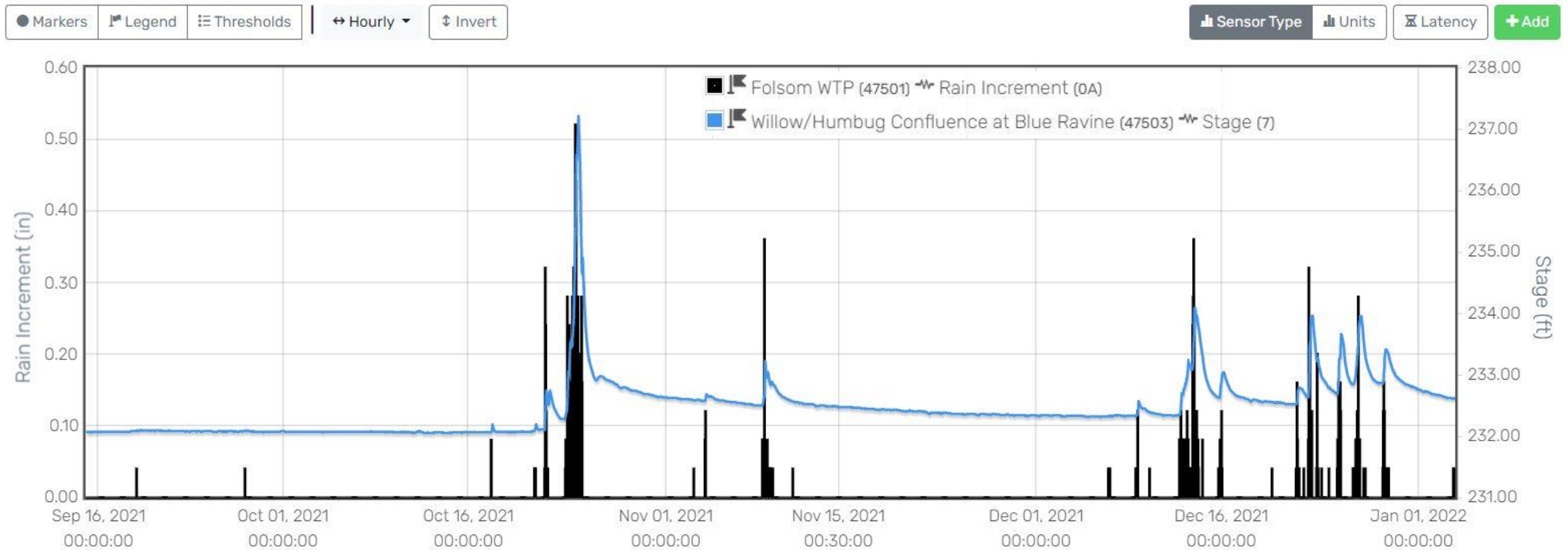
17 April, 2022 – 24 April, 2022

Markers

Legend



Analysis



Enhanced Storm Response

- Pre-Storm Event
 - Earlier recognition
 - Automatic notifications to City staff
 - High water alerts
 - High intensity rainfall alerts
- Post-Storm Event
 - Correlate data to design storm events
 - Establish additional thresholds

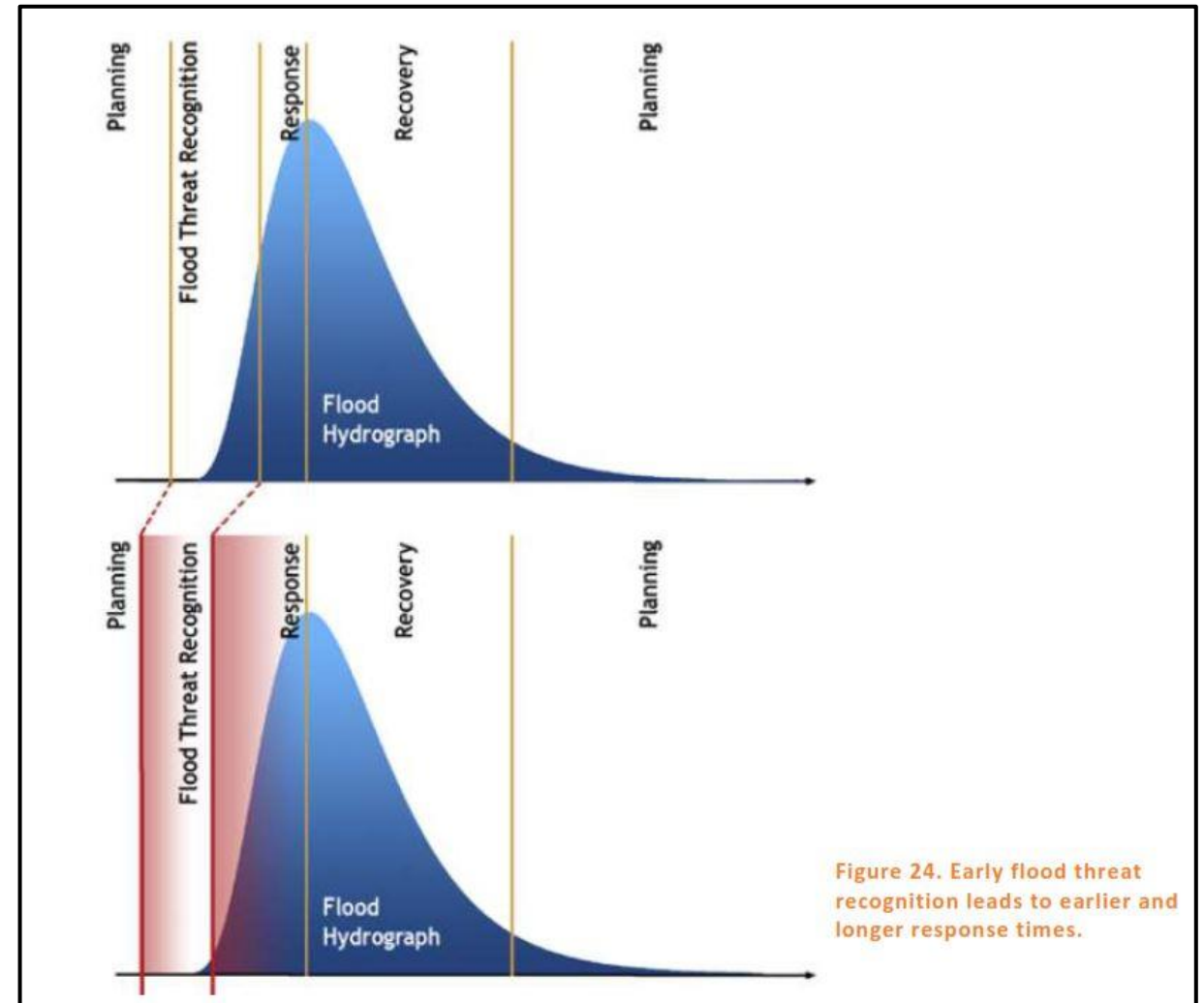
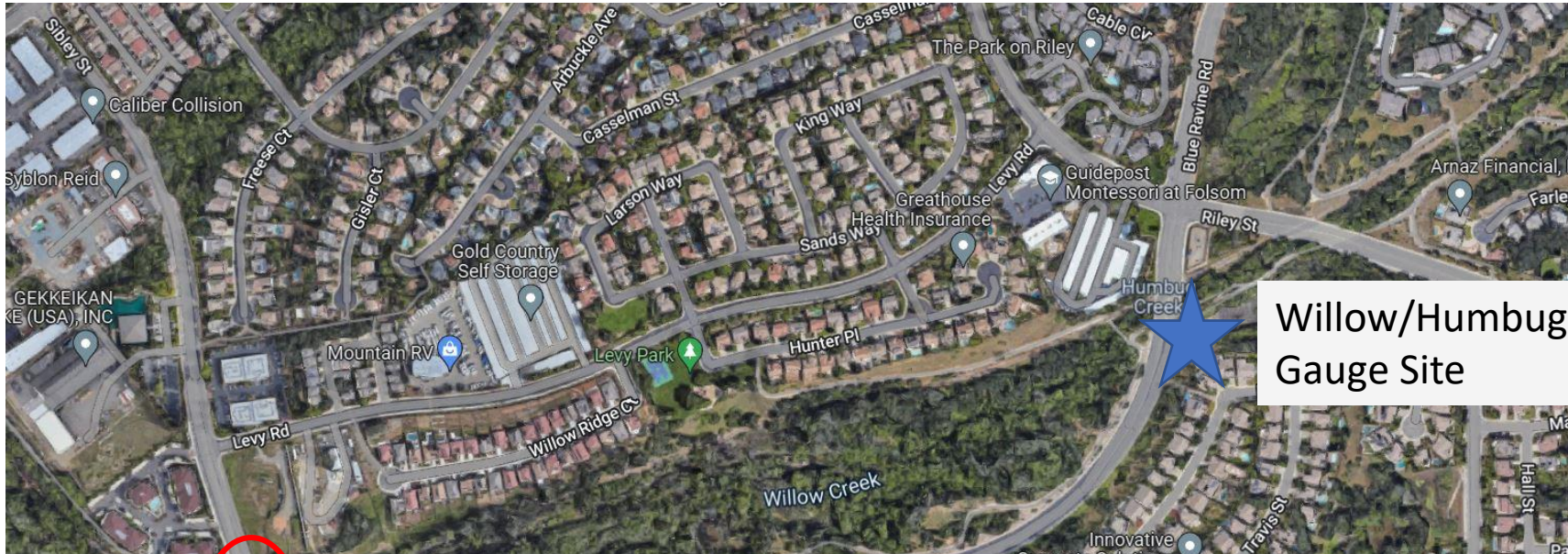


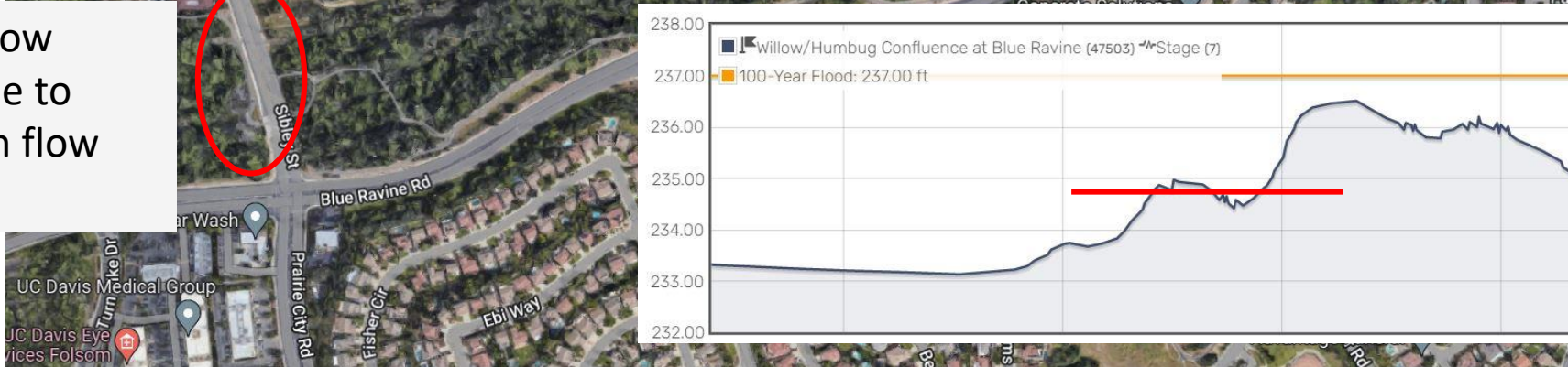
Figure 24. Early flood threat recognition leads to earlier and longer response times.

During Storm Example



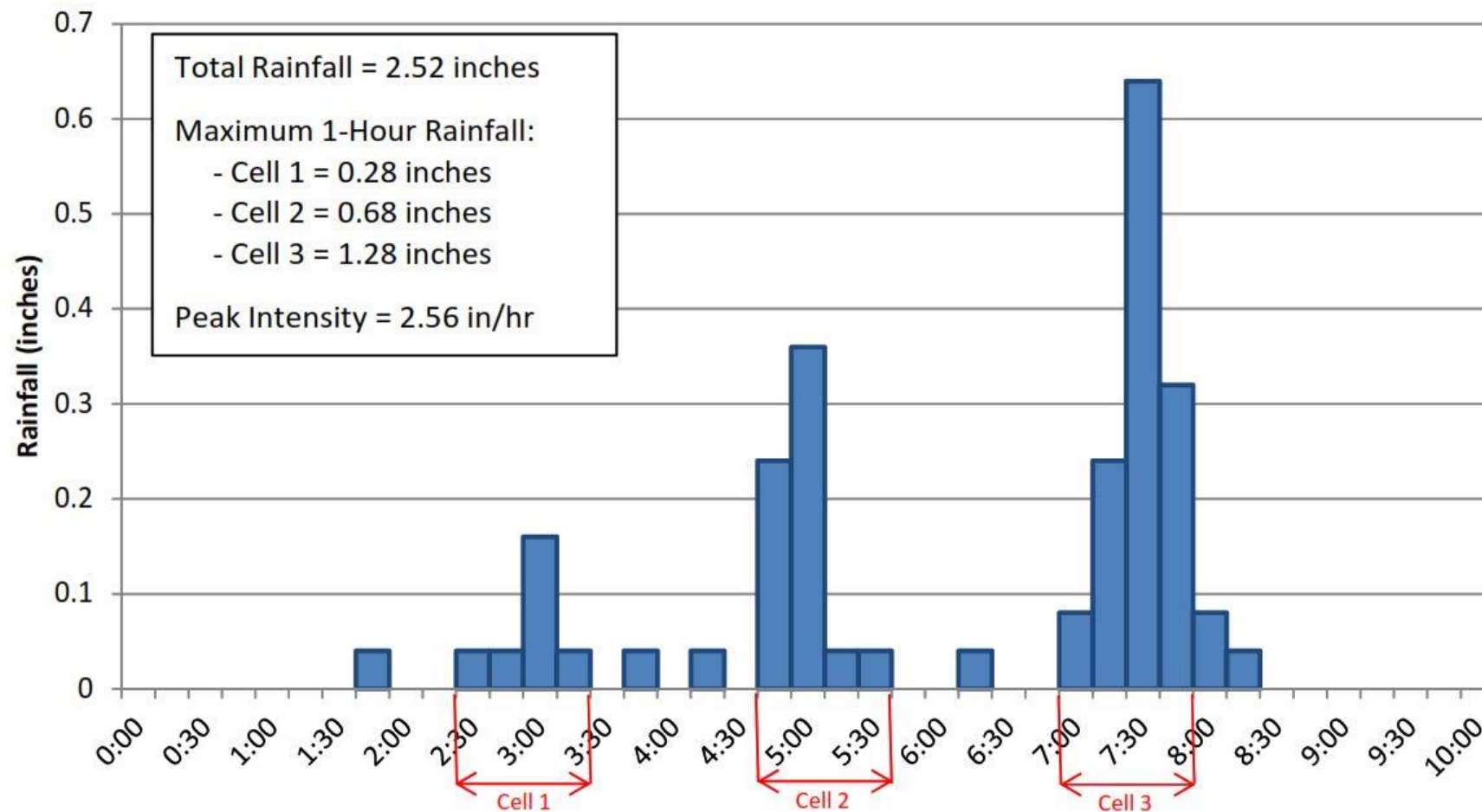
Willow/Humbug Confluence
Gauge Site

Sibley Street at Willow
Creek crossing prone to
flooding during high flow
events

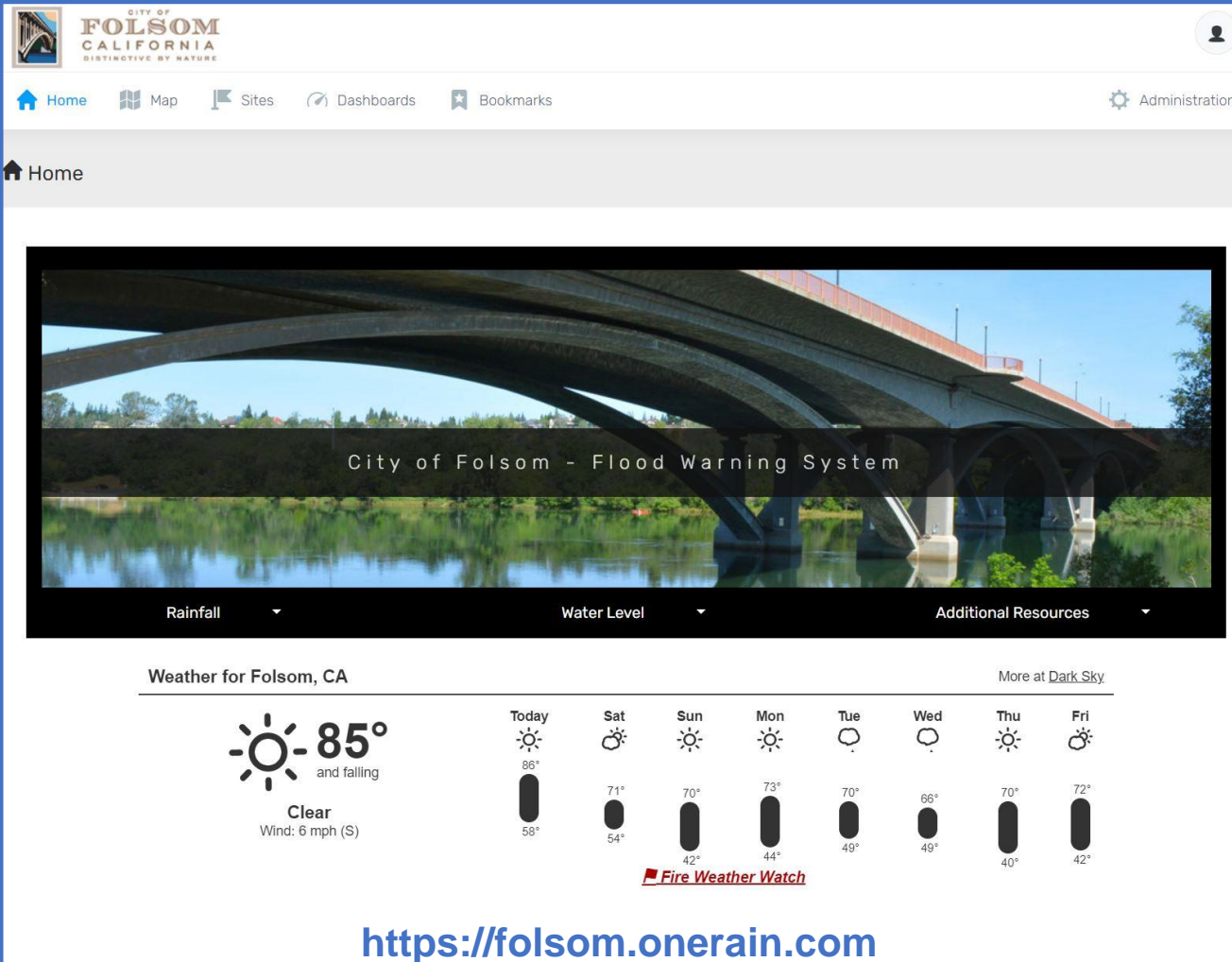


After Storm Example

2 Folsom Water Treatment Plant



Questions?



The screenshot shows the City of Folsom website interface. At the top left is the City of Folsom logo. Below it is a navigation menu with links for Home, Map, Sites, Dashboards, Bookmarks, and Administration. The main content area features a large banner image of a bridge over a river with the text "City of Folsom - Flood Warning System". Below the banner are three dropdown menus labeled "Rainfall", "Water Level", and "Additional Resources". Underneath is a weather forecast section for Folsom, CA, showing the current temperature and a 7-day forecast. A "Fire Weather Watch" warning is displayed below the forecast. At the bottom of the screenshot is the URL <https://folsom.onerain.com>.

City of Folsom - Flood Warning System

Rainfall Water Level Additional Resources

Weather for Folsom, CA [More at Dark Sky](#)

Today	Sat	Sun	Mon	Tue	Wed	Thu	Fri
85° and falling	71° 54°	70° 42°	73° 44°	70° 49°	66° 49°	70° 40°	72° 42°
Clear Wind: 6 mph (S)							

Fire Weather Watch

<https://folsom.onerain.com>