Flood Warning System Modernization

October 11, 2022

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Ventura County Flood Warning System

The Best

Flood Warning System Modernization

a. Flood Warning System - History

b. System Hardware and People

c. Modernized Displays

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Flood Warning System - History

- History
  - Modern Flood Warning System - Automated Local Evaluation in Real-Time (ALERT) network
  - The first ALERT rain gage installed near Big Sur in 1978 in response to a wildfire
  - Your Board implemented a Flood Warning System for Sespe Creek in 1978
  - Late 1980's: All three of Ventura County major watersheds were covered by the ALERT system
  - 2000's:
    - ALERT sites expanded to 148 rain and stream gages
    - Your Board authorizes Watershed Protection to be the regional So Cal ALERT II grant administrator
    - Ventura County ALERT II communication protocols nearly completed
    - Stream flow modeling expanded with model updates every 2 hours
    - Ventura County received two Flood Warning System Operational Excellence Awards in 2017 and 2018

Flood Warning System

Name	Rain Since 8:00am	24 Hour Amount at 8:00am	Rain Total Last 5 Days	Accumulated Total to Date	Normal to Date	Percent of Normal to Date	Last Year Rain to Date
Camarillo - PVWD	0.00	0.00	0.00	15.88	12.79	124.2%	6.14
Casitas Dam	0.00	0.00	0.00	26.20	22.84	114.7%	9.94
Casitas Station							
El Rio - UWCD							
Fillmore Sanitatio							
Lake Piru - Piru C							
Lake Sherwood							
Lockwood Valley							
Matilija Canyon							
Moorpark - Coun							
Oak View							
Ojai - APCD RAV							
Upper Ojai Sumn							
Oxnard - Civic C							
Piru - APCD RAV							
Port Hueneme - C Sanitation							
Santa Paula							
Saticoy - County							
Seacliff							
Simi Valley - San Susana							
Thousand Oaks							
Ventura - City Ha							
Ventura - County Center							

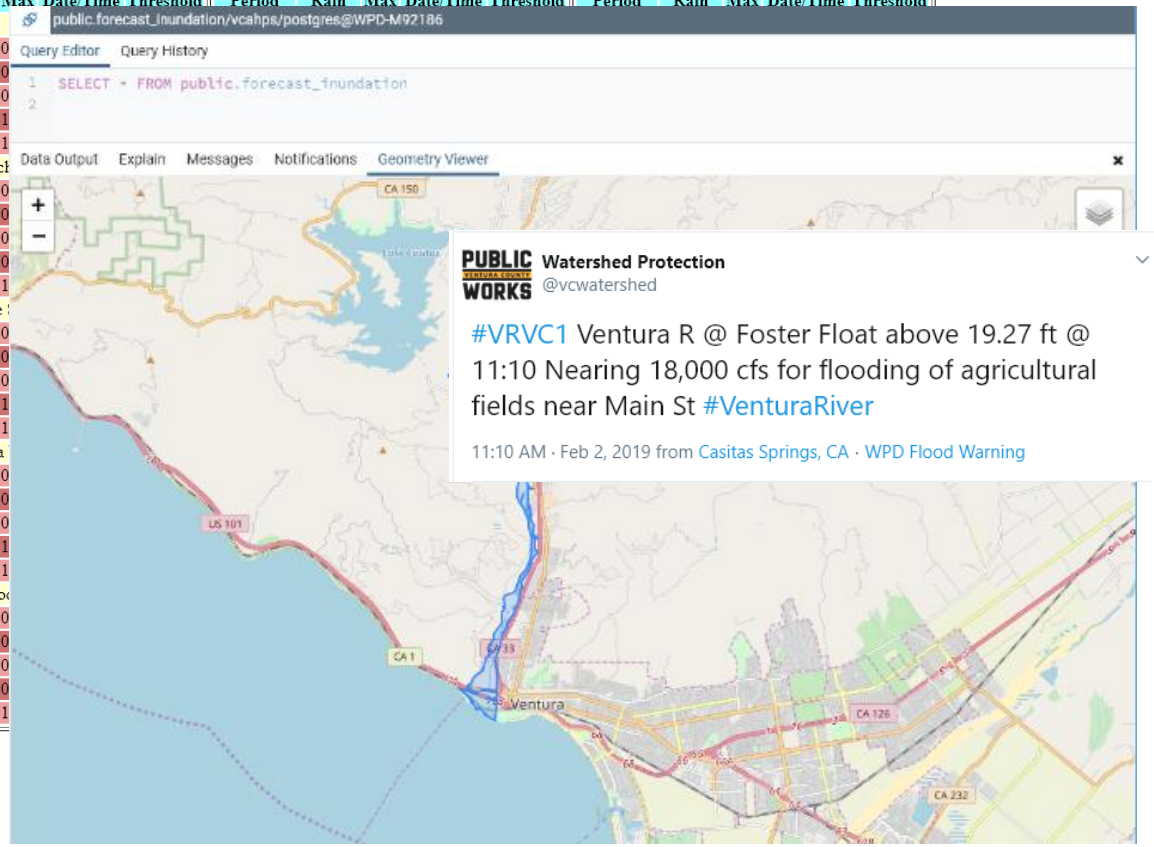
VCPWA-WP - Rainfall Intensity Report

Note: These readings are considered preliminary and are subject to change.

2018 Woolsey Burn Area

24 Hour Data Ending At: 02/02/2019 15:00

Period	Current Rain	Last 24 Hours Max	Last 24 Hours Date/Time	USGS Threshold
H232 - Deals Flat				
15 Minutes	0.00	0		
30 Minutes	0.00	0		
1 Hour	0.04	0		
2 Hours	0.09	1		
3 Hours	0.16	1		
H280 - Circle X Ranch				
15 Minutes	0.00	0		
30 Minutes	0.00	0		
1 Hour	0.12	0		
2 Hours	0.16	0		
3 Hours	0.20	1		
H281 - Oak Park Fire				
15 Minutes	0.00	0		
30 Minutes	0.00	0		
1 Hour	0.00	0		
2 Hours	0.04	1		
3 Hours	0.12	1		
H513 - Rancho Sierra				
15 Minutes	0.00	0		
30 Minutes	0.00	0		
1 Hour	0.00	0		
2 Hours	0.00	1		
3 Hours	0.08	1		
H121 - Lake Sherwoo				
15 Minutes	0.03	0		
30 Minutes	0.03	0		
1 Hour	0.03	0		
2 Hours	0.07	0		
3 Hours	0.11	1		



PUBLIC WORKS Watershed Protection
@vcwatershed

#VRVC1 Ventura R @ Foster Float above 19.27 ft @ 11:10 Nearing 18,000 cfs for flooding of agricultural fields near Main St #VenturaRiver

11:10 AM · Feb 2, 2019 from Casitas Springs, CA · WPD Flood Warning

- Ventura Beach RV Resort Story

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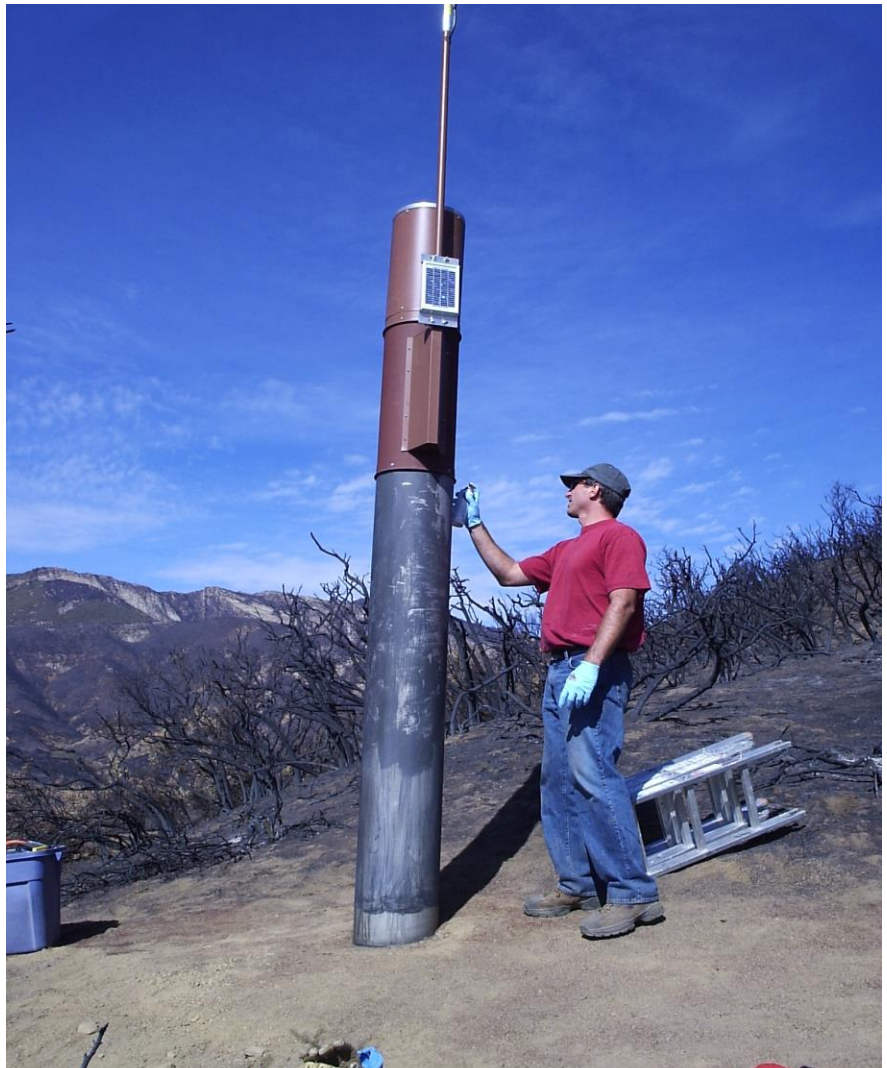
Rain Gauge at ‘Last Chance’



Rain/Weather Gauge south of ‘Lockwood Valley’

‘Sandstone’ Signal Repeater Replacement – Santa Monica Mtns

Stream Flow Radar Gauge
Santa Clara River at Victoria

Operational Excellence Award

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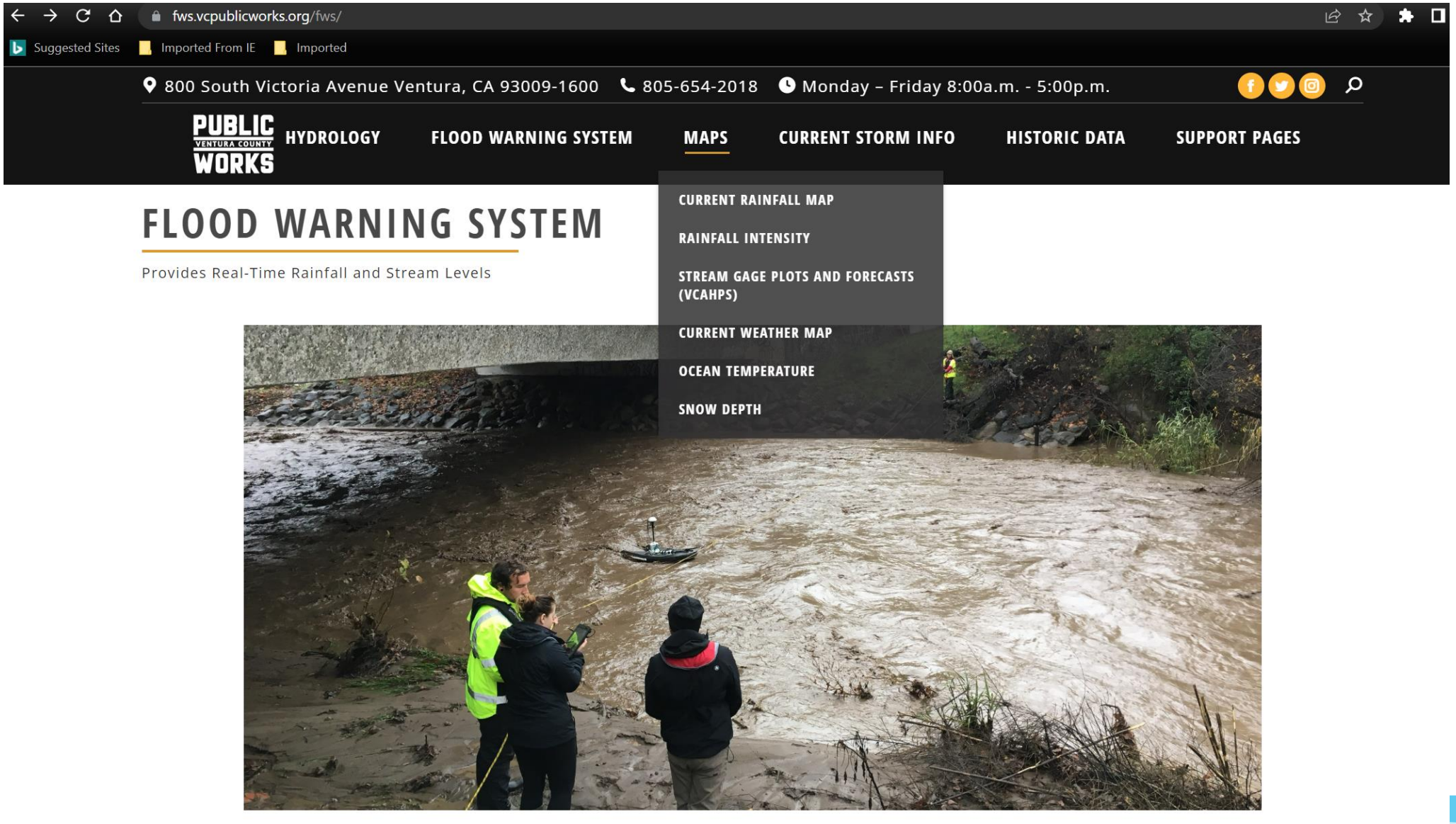
Modernized Flood Warning System Interface



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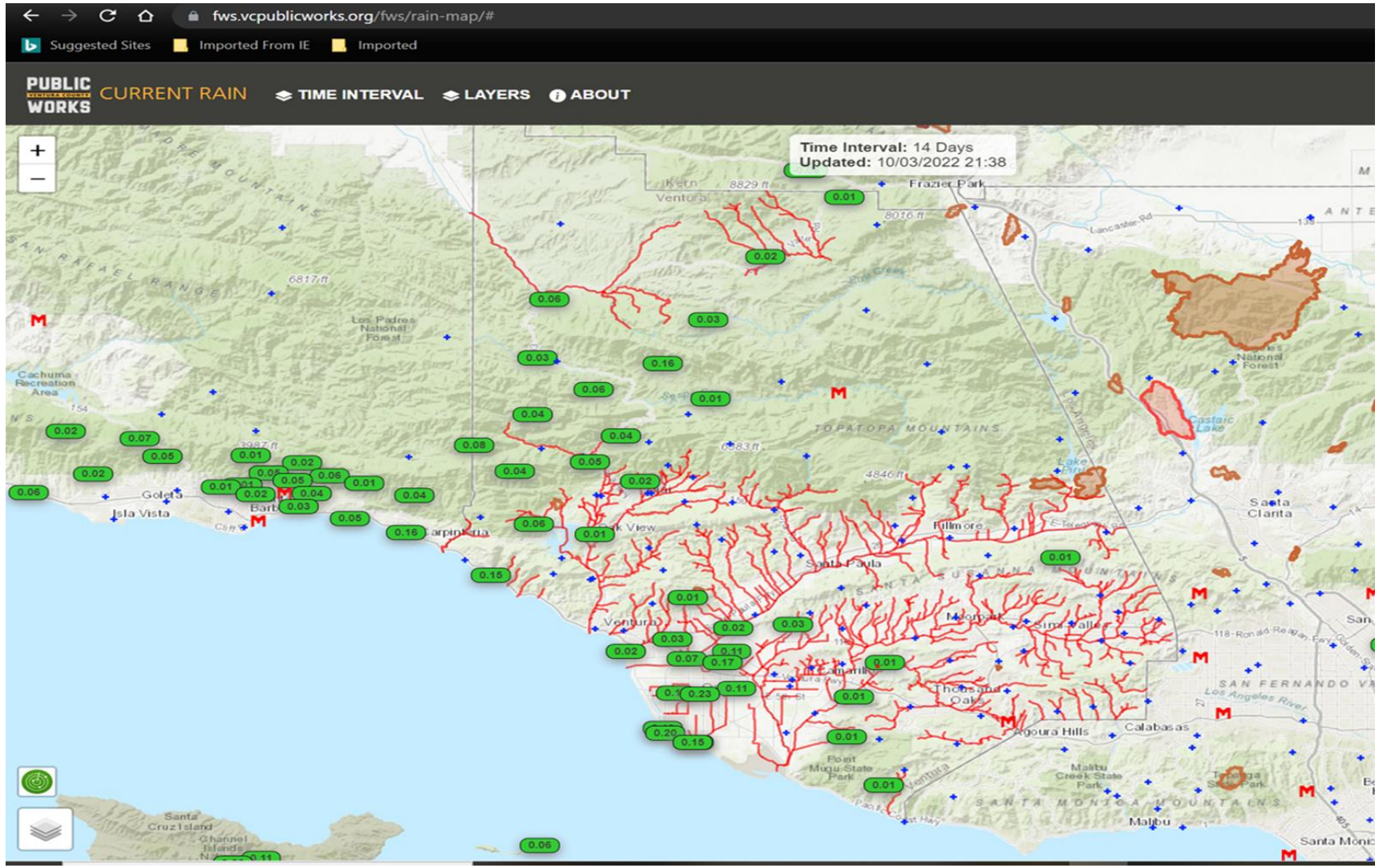
FLOOD WARNING SYSTEM

Modernized Flood Warning System - Rainfall



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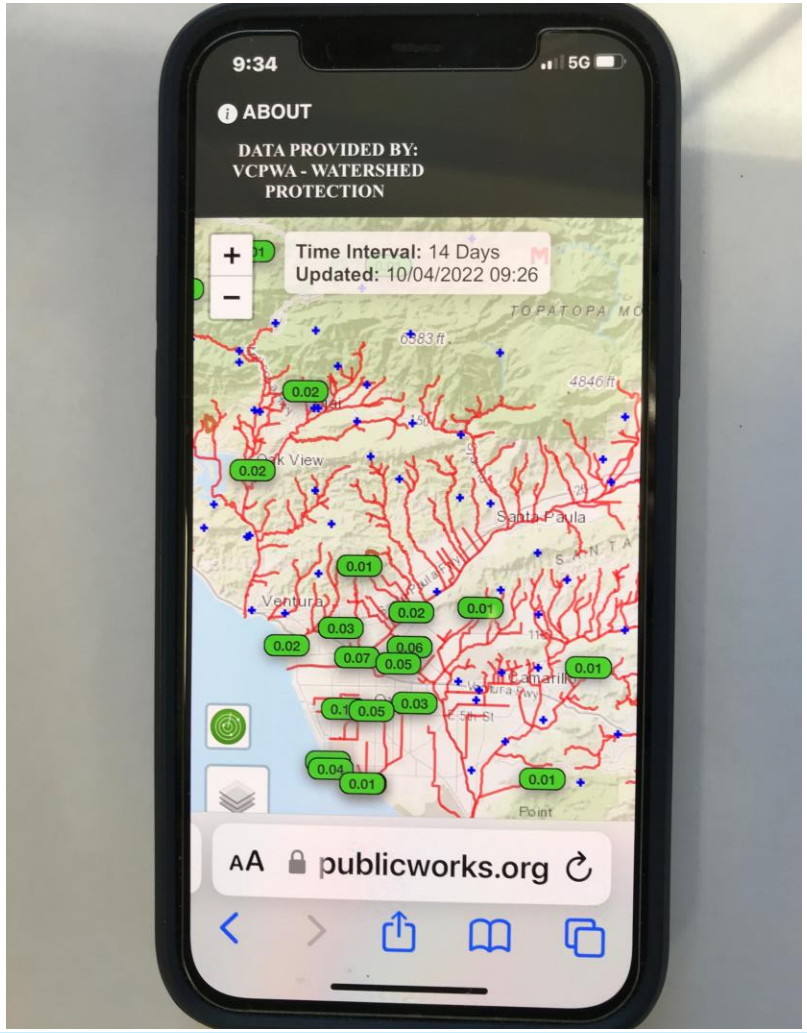
Modernized Flood Warning System - Rainfall

Mobile Display



QR Code for Rainfall Map

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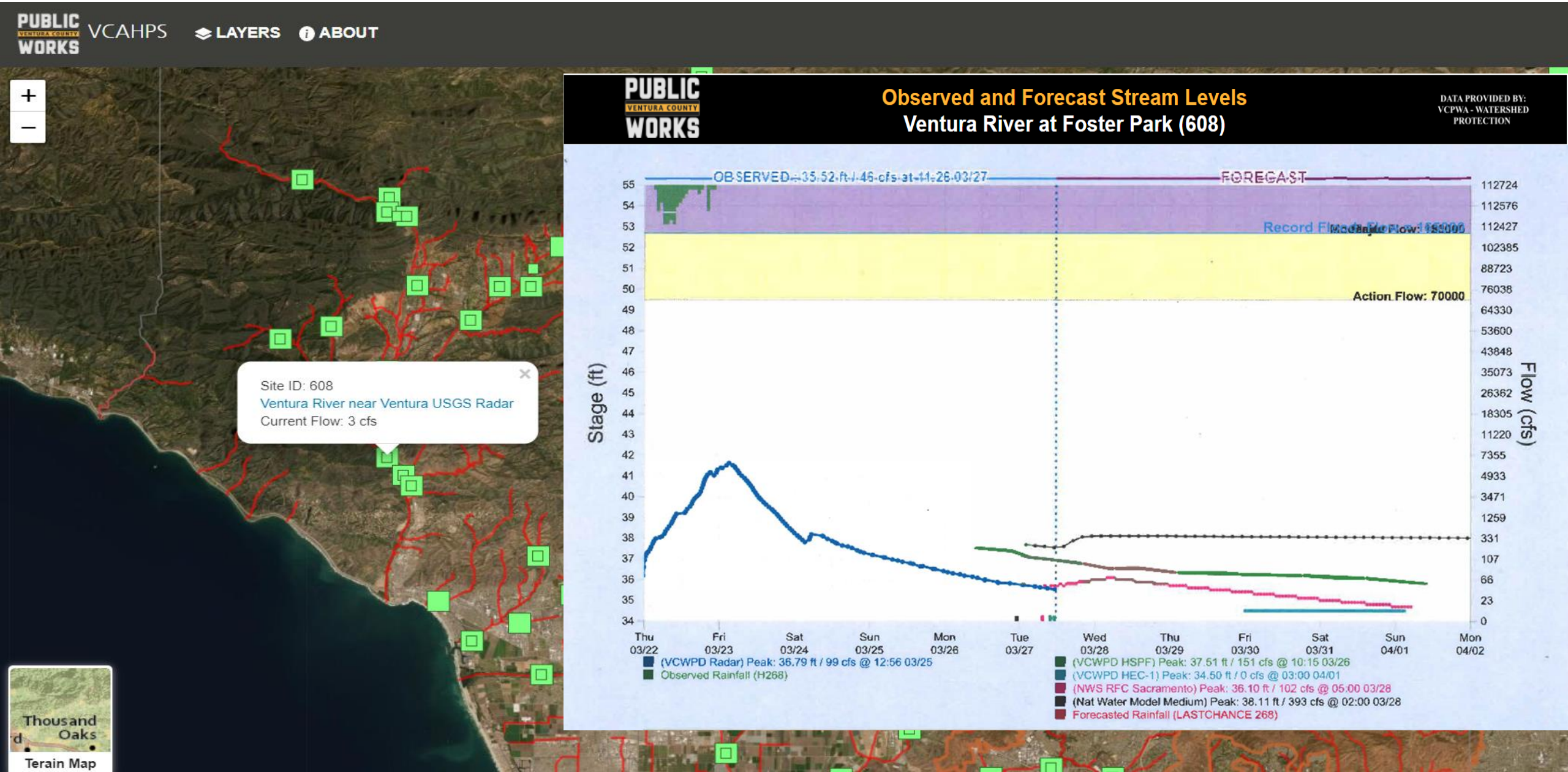
Modernized Flood Warning System – Stream Flow



Be aware

Be prepared

Take action

Ventura County

2022 Flood Preparedness Week: October 22-29

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Questions & Answers

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