

Winter 2017 Water & Flood Update

Watershed Information & Conservation Council

January 26, 2017

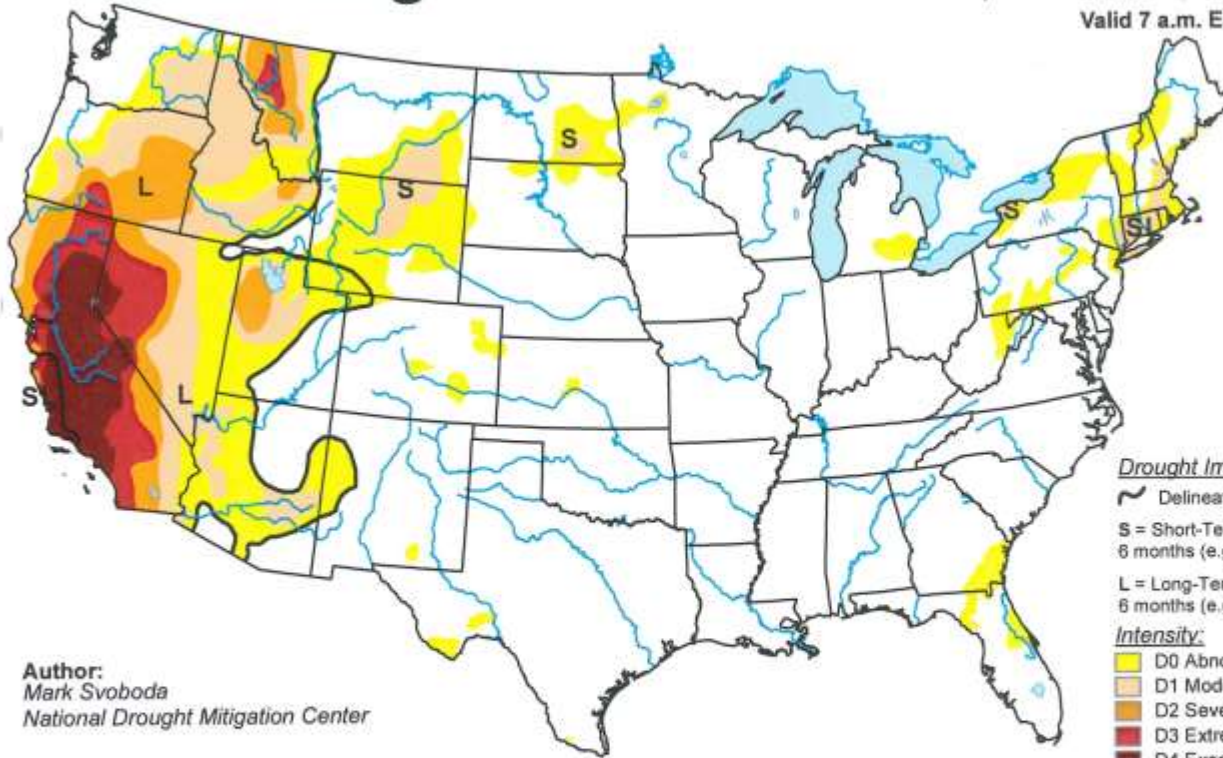
Today's Topics

- What's the impact of all this wet weather so far?
- Precipitation and water supply
- The Napa Flood Protection Project

January 2016 Drought Map

U.S. Drought Monitor

January 19, 2016
(Released Thursday, Jan. 21, 2016)
Valid 7 a.m. EST



Author:
Mark Svoboda
National Drought Mitigation Center

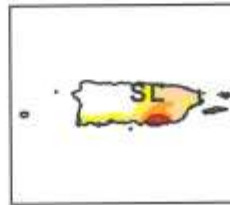
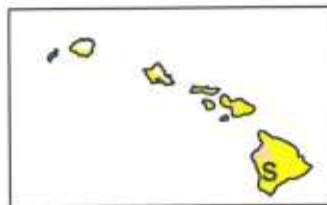
Drought Impact Types:

- Delineates dominant impacts
- S** = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L** = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

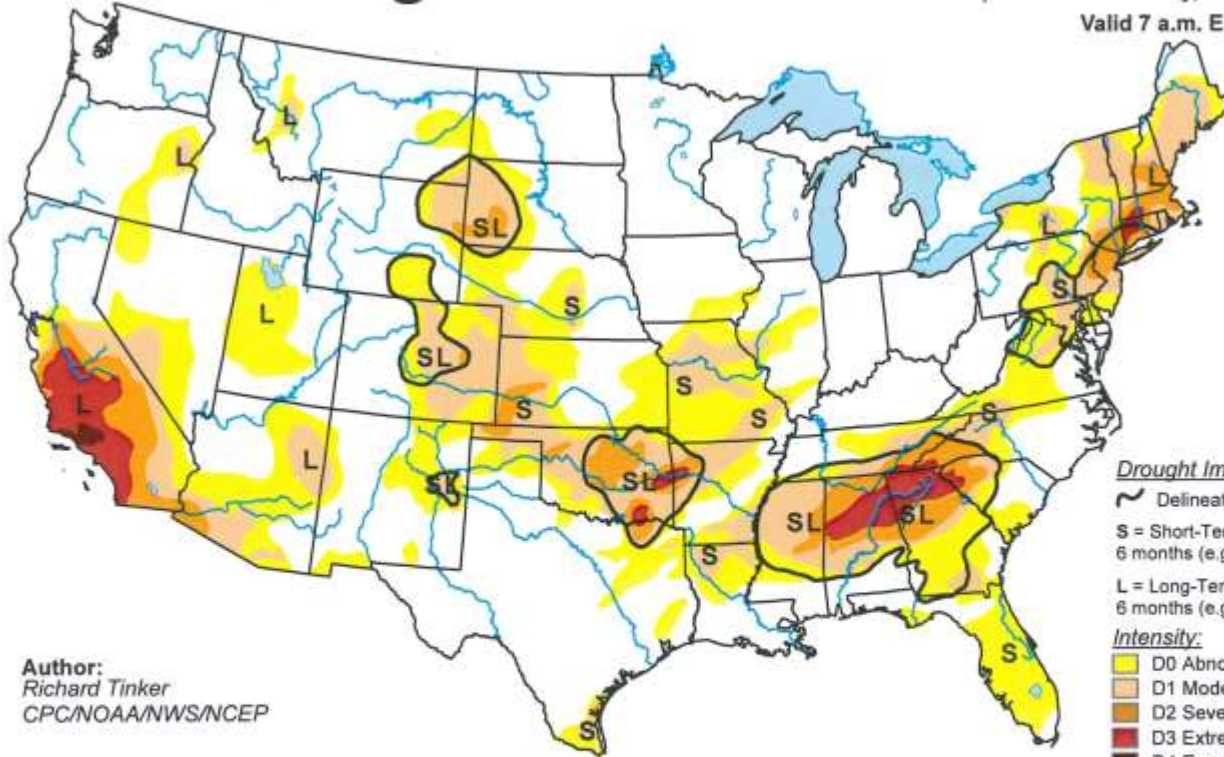


<http://droughtmonitor.unl.edu/>

Current Drought Map

U.S. Drought Monitor

January 17, 2017
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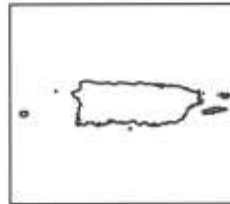
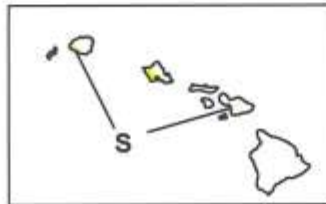
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Author:
 Richard Tinker
 CPC/NOAA/NWS/NCEP



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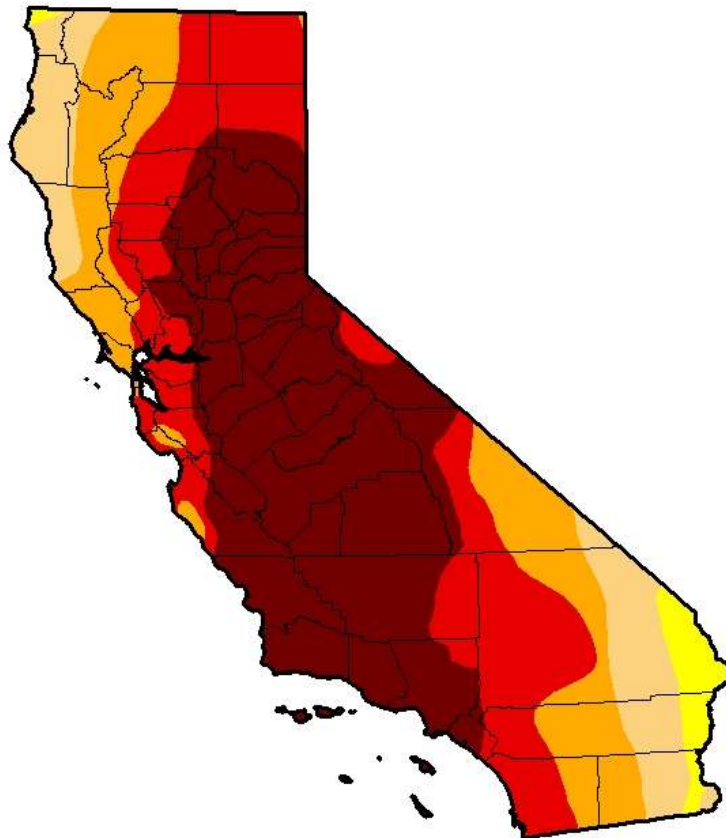
January 2016 Drought Map

U.S. Drought Monitor California

January 19, 2016

(Released Thursday, Jan. 21, 2016)

Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	97.17	86.13	68.15	42.66
Last Week <i>1/12/2016</i>	0.00	100.00	97.33	87.55	69.07	42.66
3 Months Ago <i>10/20/2015</i>	0.14	99.86	97.33	92.27	71.08	46.00
Start of Calendar Year <i>12/29/2015</i>	0.00	100.00	97.33	87.55	69.07	44.84
Start of Water Year <i>9/29/2015</i>	0.14	99.86	97.33	92.36	71.08	46.00
One Year Ago <i>1/20/2015</i>	0.00	100.00	98.13	94.34	77.52	39.15

Intensity:



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Author:

Mark Svoboda

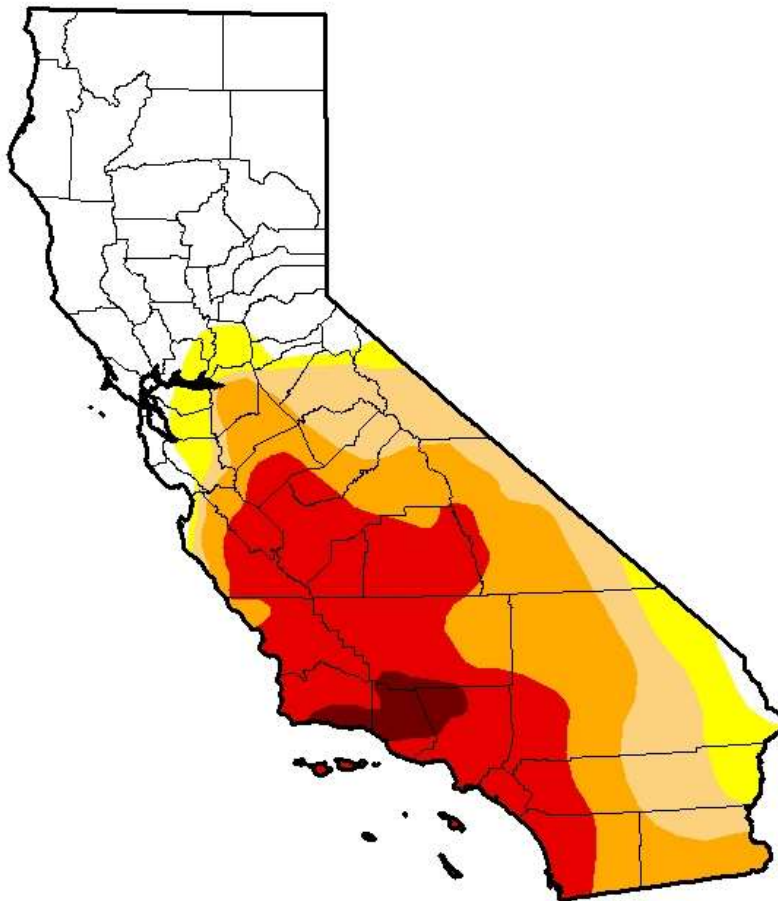
National Drought Mitigation Center



<http://droughtmonitor.unl.edu/>

Current Drought Map

U.S. Drought Monitor California



January 17, 2017

(Released Thursday, Jan. 19, 2017)

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Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	35.56	64.44	57.51	44.35	24.30	2.13
Last Week <i>1/10/2017</i>	34.62	65.38	58.22	49.22	27.80	2.13
3 Months Ago <i>10/18/2016</i>	7.77	92.23	81.12	61.80	42.80	21.04
Start of Calendar Year <i>1/8/2017</i>	18.07	81.93	67.61	54.02	38.17	18.31
Start of Water Year <i>9/27/2016</i>	0.00	100.00	83.59	62.27	42.80	21.04
One Year Ago <i>1/19/2016</i>	0.00	100.00	97.17	86.13	68.15	42.66

Intensity:

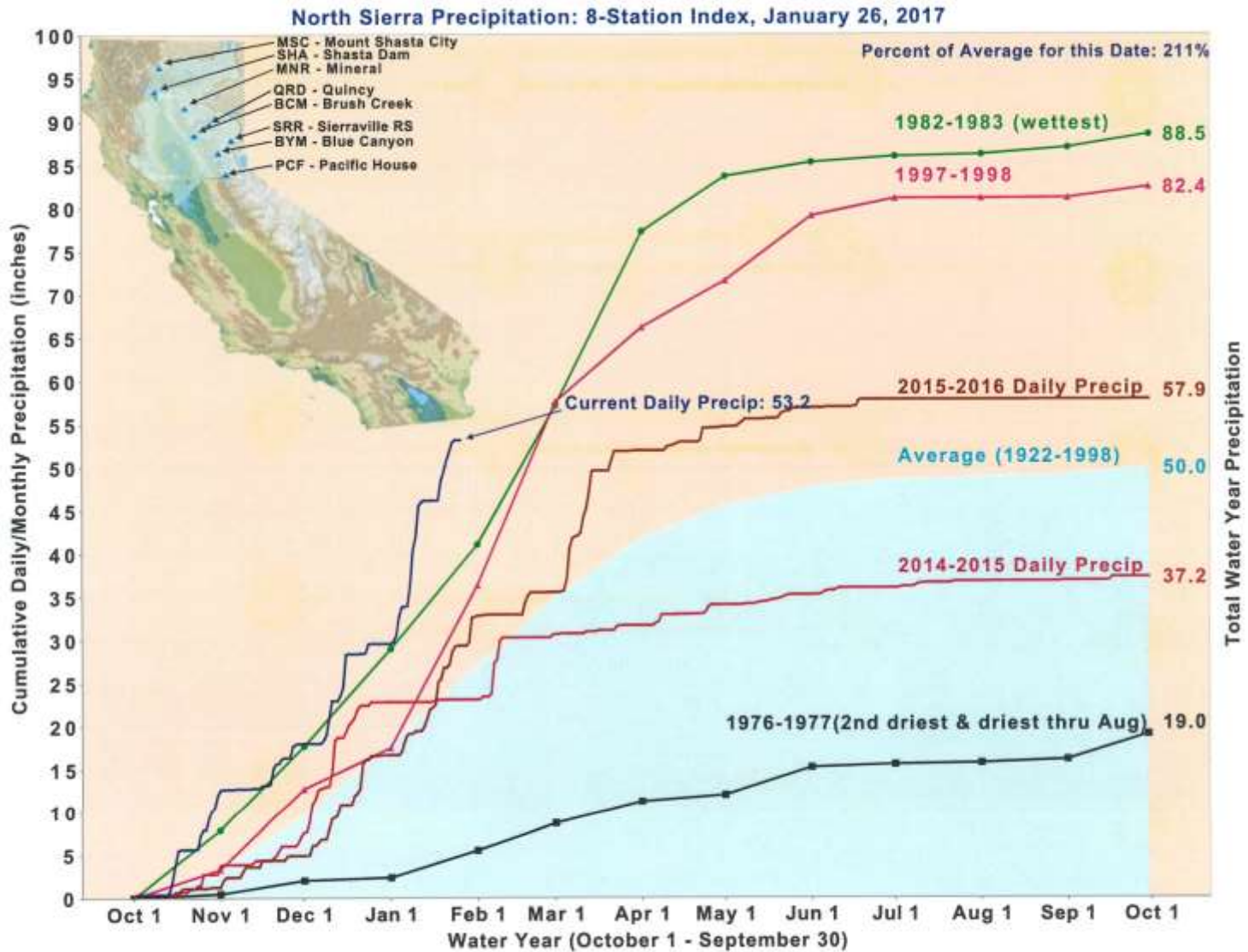
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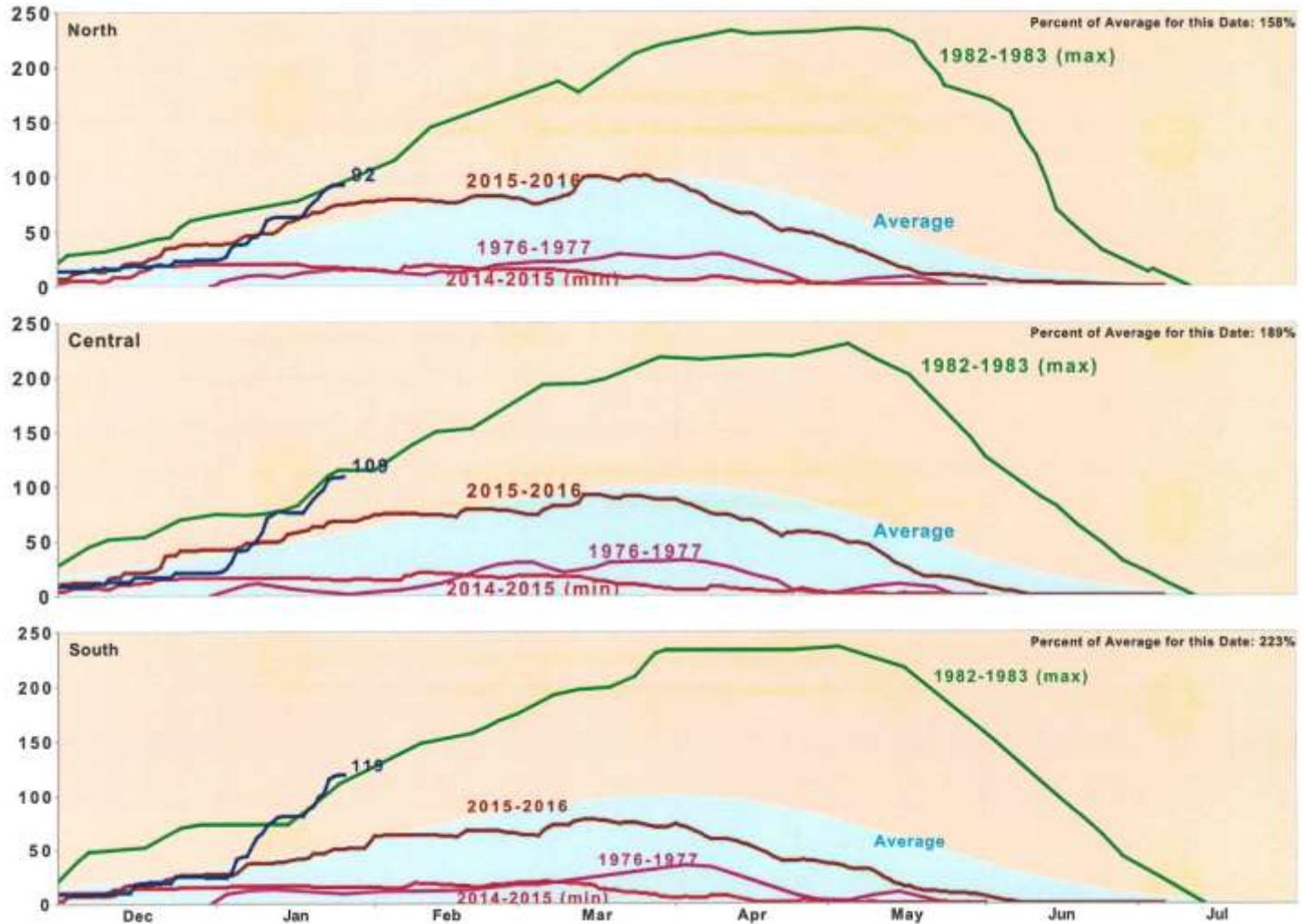


State Water Project - Rainfall



State Water Project - Snowfall

California Snow Water Content, January 26, 2017, Percent of April 1 Average



Statewide Percent of April 1: 107%

Statewide Percent of Average for Date: 189%

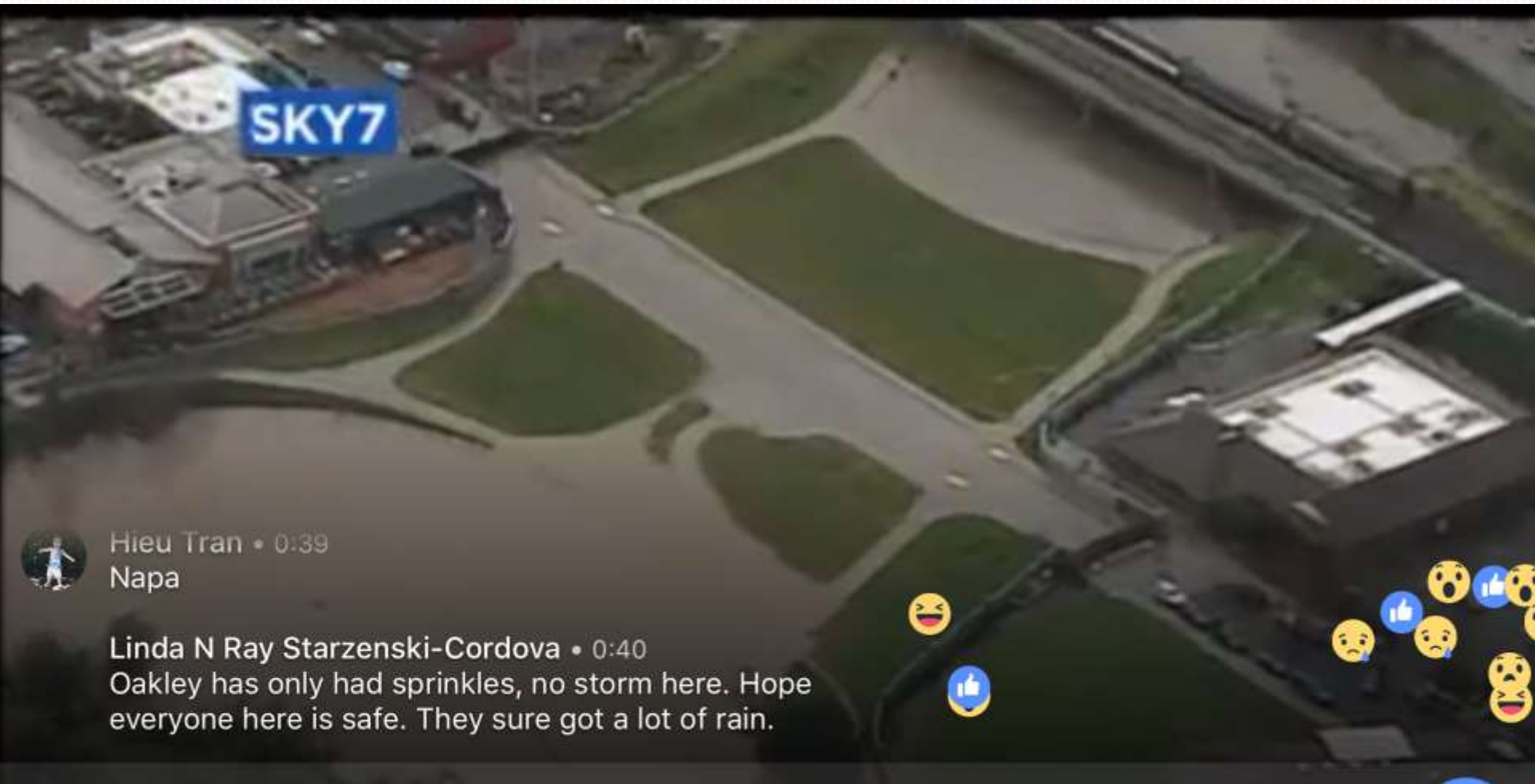
The Napa River Flood Protection Project





Bypass Inlet Sunday January 8 12:30 PM

Channel 7 News Skycopier



Hieu Tran • 0:39
Napa

Linda N Ray Starzenski-Cordova • 0:40
Oakley has only had sprinkles, no storm here. Hope everyone here is safe. They sure got a lot of rain.



Bypass Soscol/First Street



Max Canton • 0:16
Where is this at?



Mona Gray • 0:19
Where



Bypass Lower End at River



SKY7

Mona Gray • 0:19
Where

Izzy Arias • 0:23
Napa

Veterans Park Floodwall



Rachael Clark • 0:55

Flood control project working good. My brothers house went flood this year! Thank God!

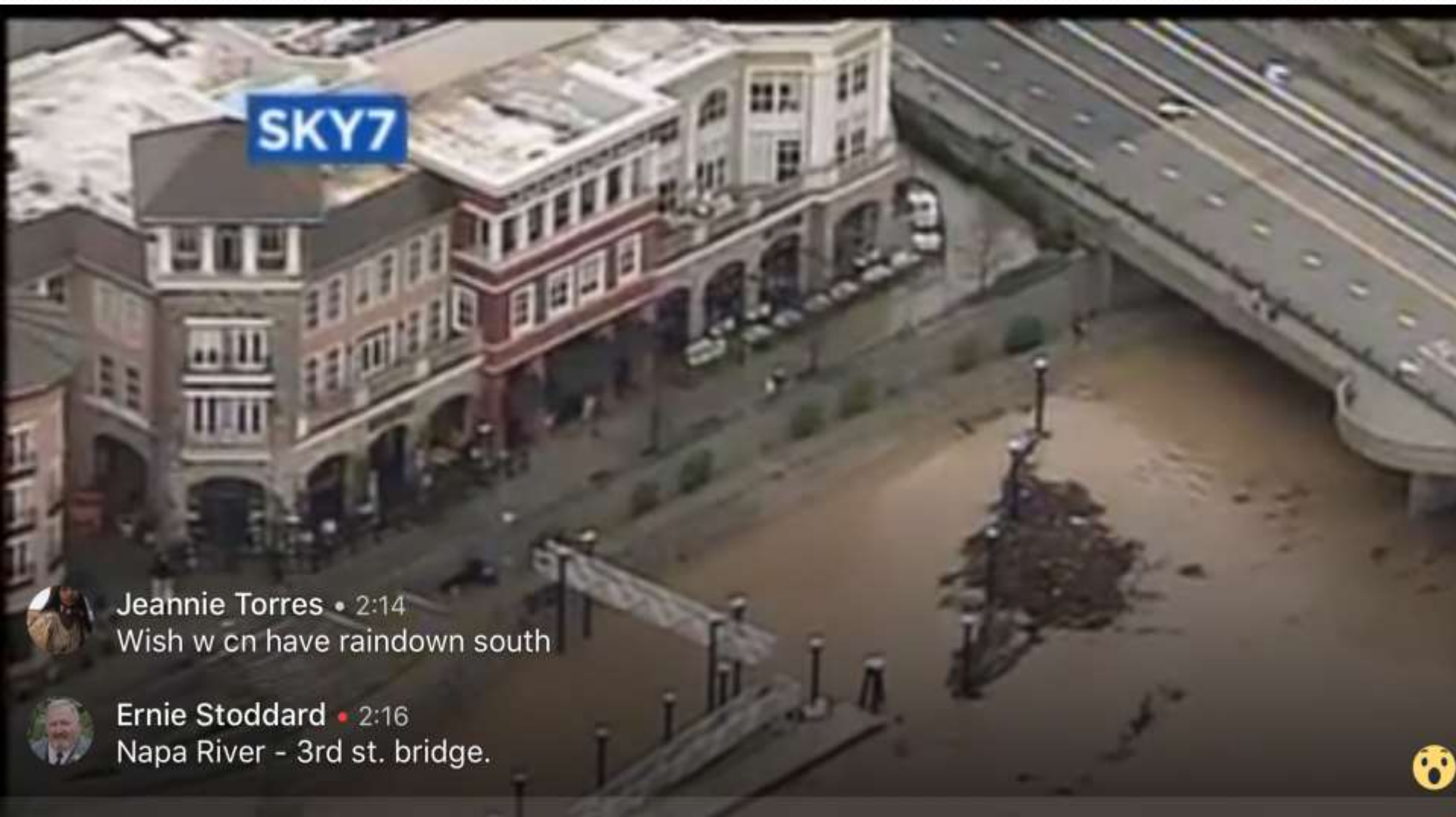


Susan Geary • 0:59

It's been windy and rainy, where am at 🤔



Riverfront and Boat Dock



Jeannie Torres • 2:14
Wish w cn have raindown south



Ernie Stoddard • 2:16
Napa River - 3rd st. bridge.



Napa Creek Upper Bypass Inlet



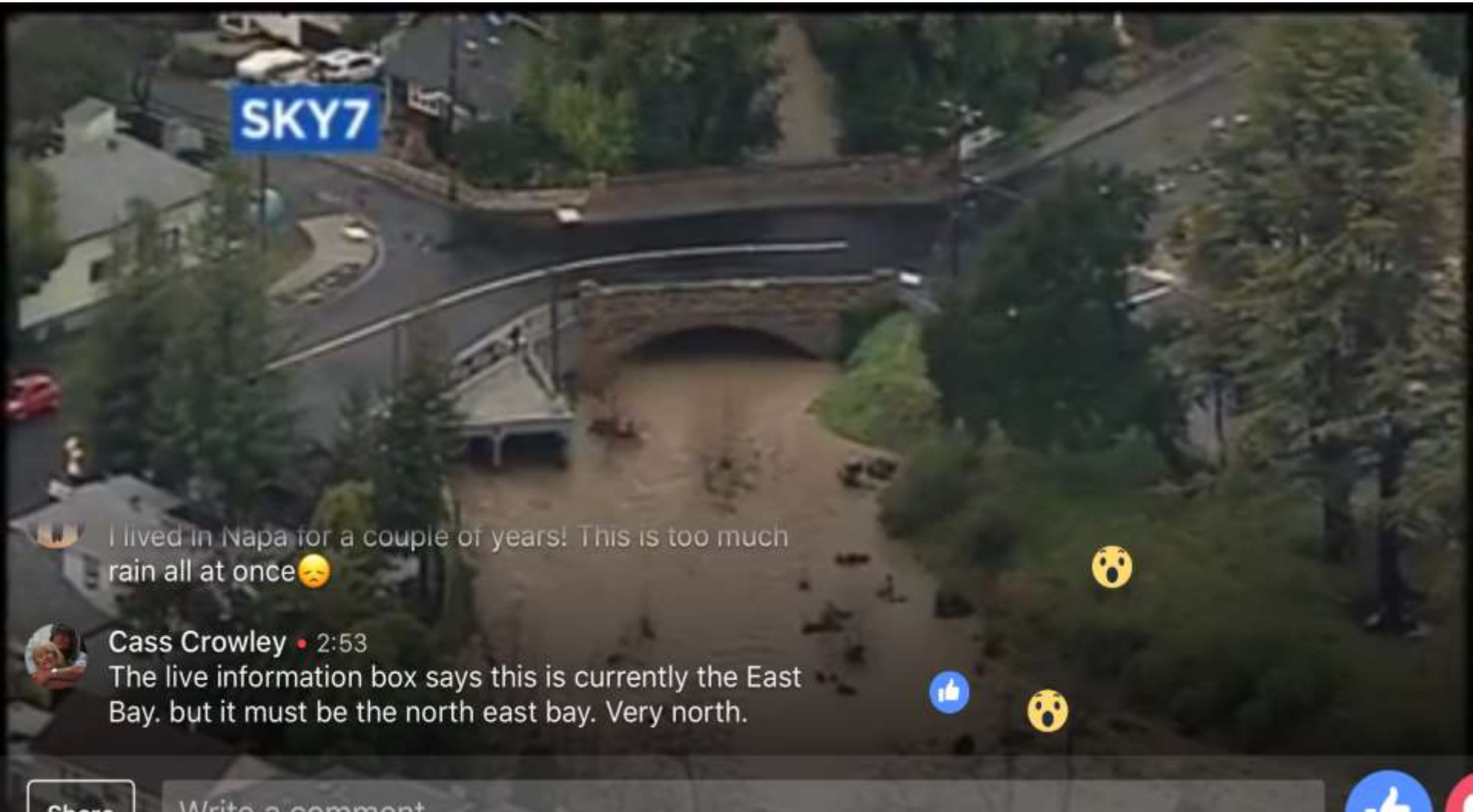
Julie Capito • 4:41
I read low tide at 4 pm



Lisa Sylvan • 4:43
God bless the world



Napa Creek Upper Bypass Outlet



SKY7



I lived in Napa for a couple of years! This is too much rain all at once 🤔



Cass Crowley • 2:53
The live information box says this is currently the East Bay, but it must be the north east bay. Very north.

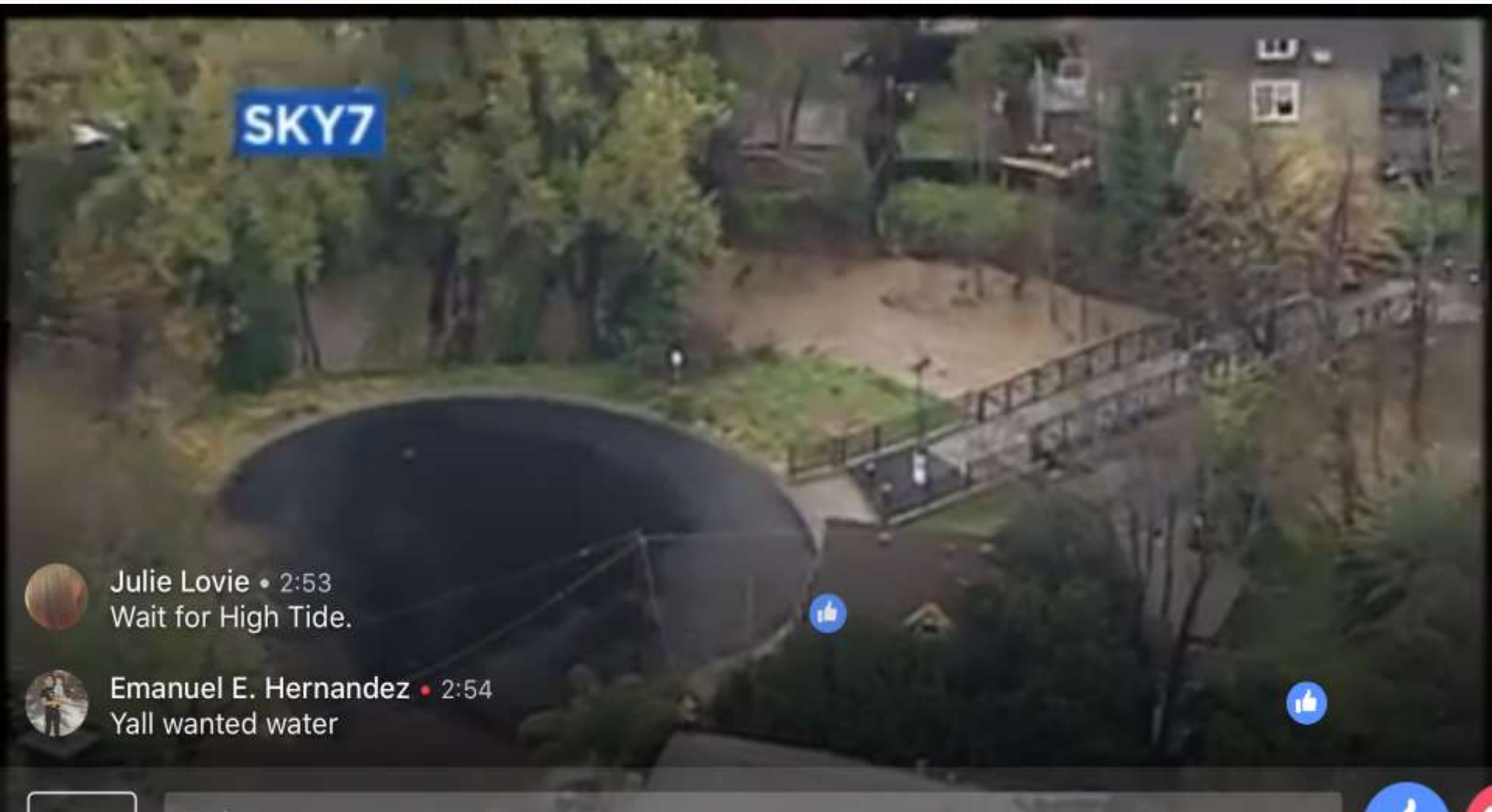


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Napa Creek at Berhens Bridge



Napa Creek Flood Terraces



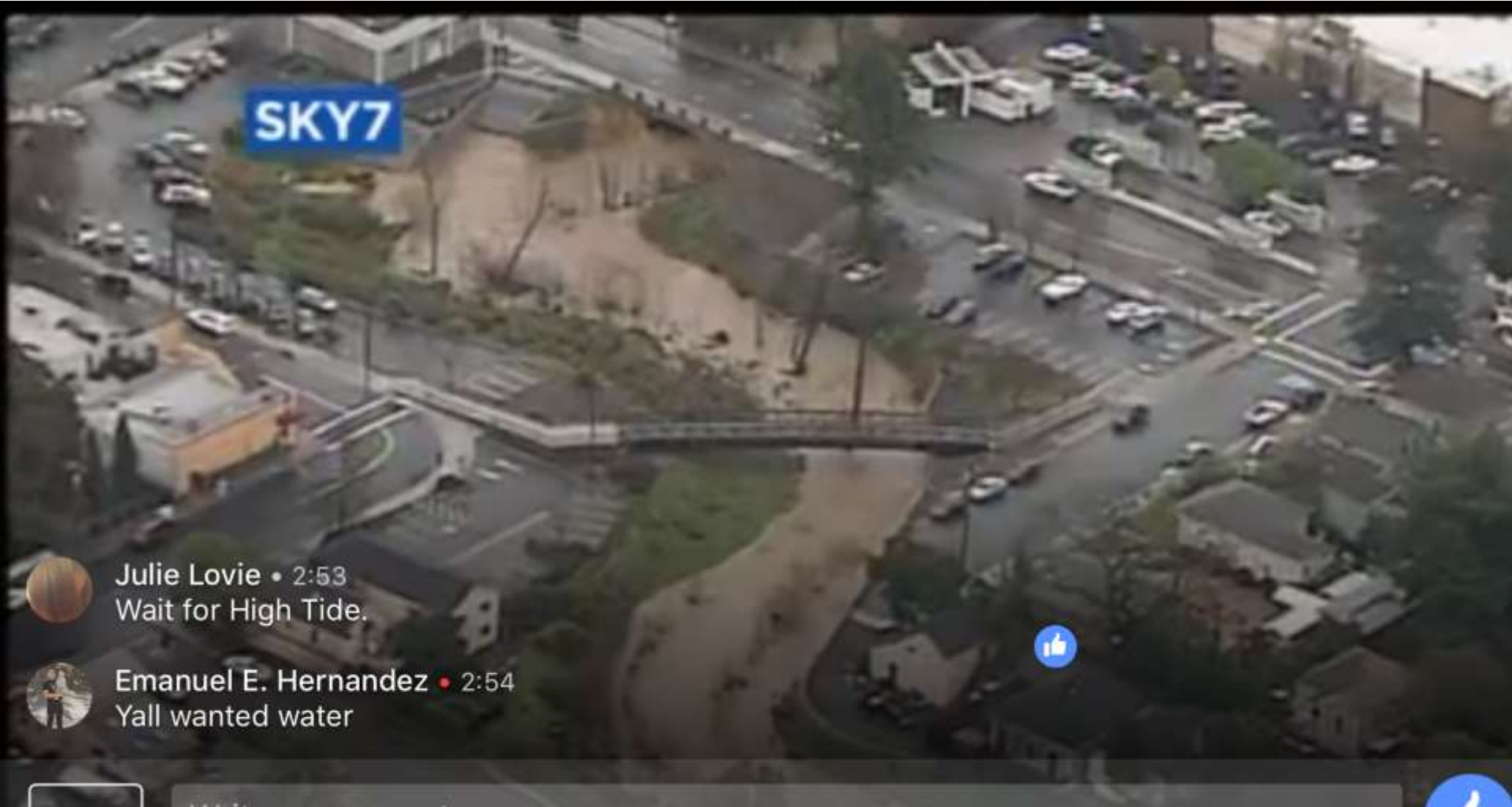
Julie Lovie • 2:53
Wait for High Tide.



Emanuel E. Hernandez • 2:54
Yall wanted water



Napa Creek Lower Bypass Inlet



Julie Lovie • 2:53
Wait for High Tide.



Emanuel E. Hernandez • 2:54
Yall wanted water



Napa River Eastbank Flood Terraces



AJ Garcia • 6:05
Ela, downtown Napa



Craig Waugh • 6:11
Where is this

Napa Yacht Club/SWOA

An aerial photograph of a marina or harbor area. The water is a light brownish-grey color. There are several landmasses and structures visible, including what appears to be a large building or dock structure in the lower right. A blue rectangular label with the text 'SKY7' is overlaid on the water in the upper left quadrant.

SKY7



Rachael Clark • 6:56
Yacht club

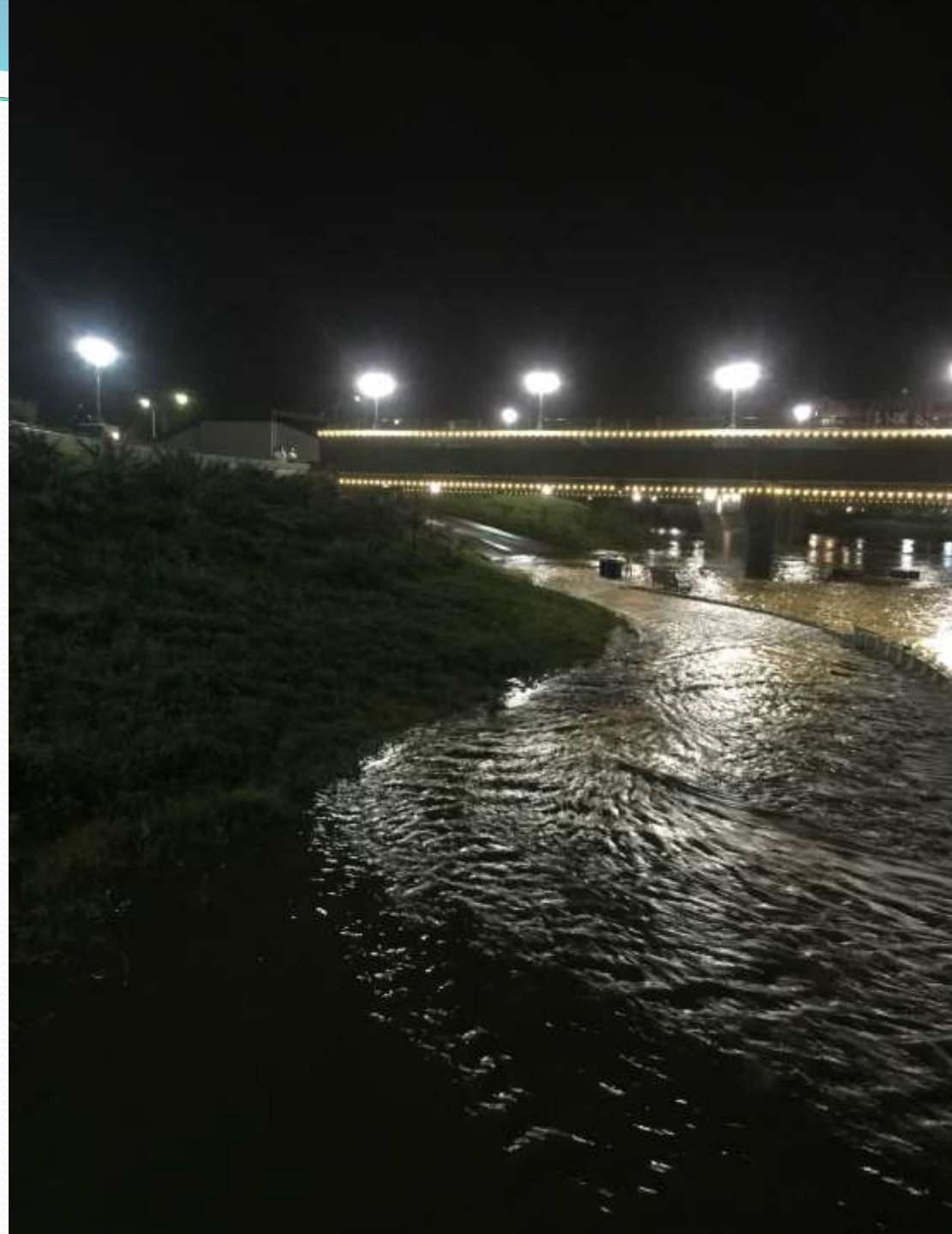


Art Morgan • 6:59
It is working just how it was designed to work

Lower Promenade at Third Street



Bypass at
Peak Flow
Sunday
January 8
Midnight



Energy Dissipater after flows receded



McKinstry
Street after
flows
receded



Questions?