

# National Water Model FC District Stream Gauge Locations with Links



## How to view the National Water Model at the FC District's stream gauge locations

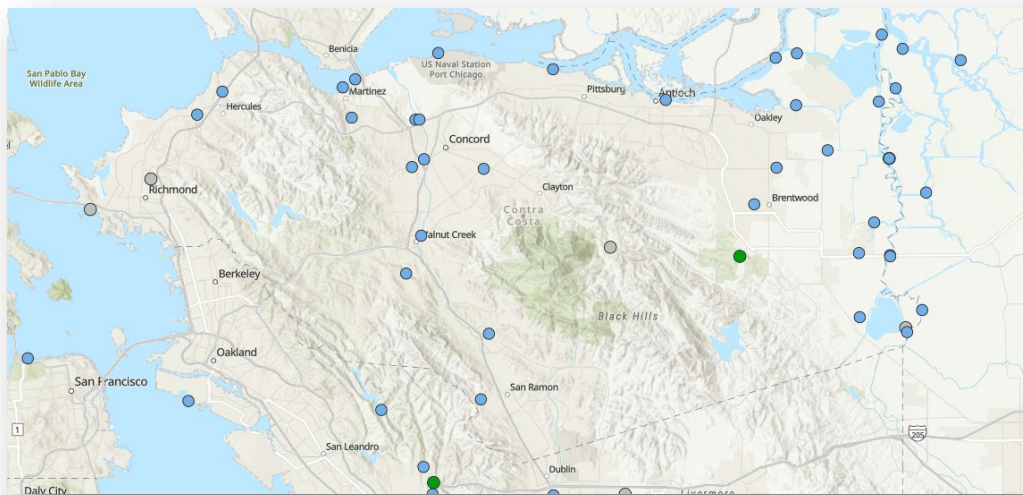
By: Contra Costa County Flood Control and Water Conservation District

Updated: 5/15/2025 12:02:00 PM

The National Water Model (aka NWM) map interface (<https://water.noaa.gov/map>) allows users to zoom in, click on any creek reach, click a button and see the forecast flow hydrographs for that creek reach.

The NWM map has been changed since the creation of the first version of this document. The links created in the first document no longer work.

When you click the link, you will be shown a nationwide map with points that indicate the level of flooding or if the point has no forecast. A link that opens the same map zoomed in on Contra Costa County is here: <https://water.noaa.gov/map> (Contra Costa).

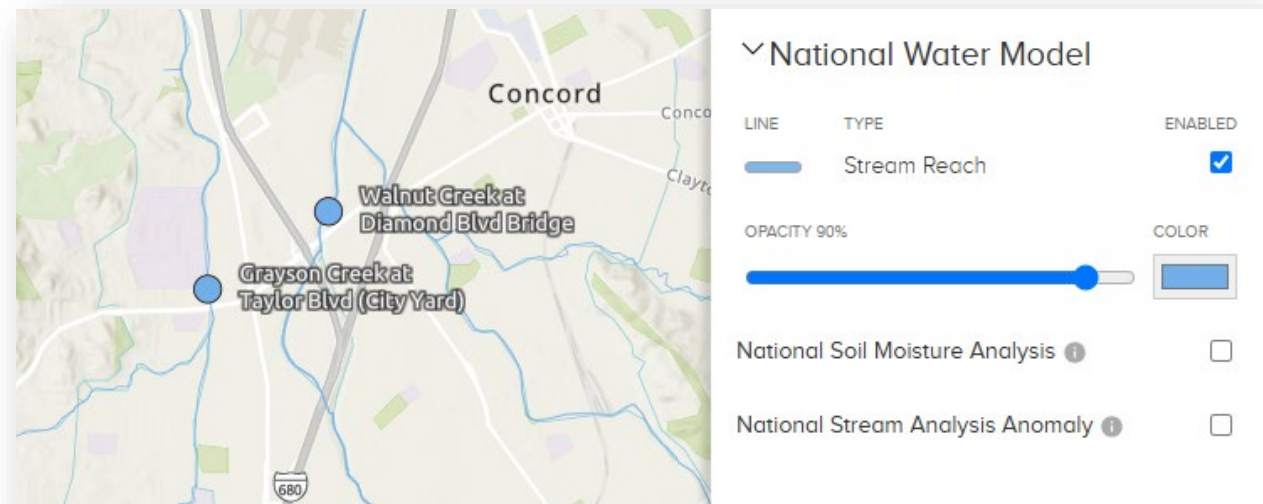


*Figure 1 - National Water Model zoomed to Contra Costa*

The blue dots are location of stream gauges including those operated by the Contra Costa County Flood Control and Water Conservation District (FC District). Clicking on these points will pop up a window showing the recent 5 days of stage data. Note these plots are not plots of flow but of stage.

To show the streams and rivers, you must go to the menu on the right and find > **National Water Model**. Clicking on this will open options shown on the right portion of **Figure 2**. Checking the box to the right of “Stream Reach” to make it “Enabled” will reveal blue lines on the map which represent the stream as shown in the left map portion of the screen capture above in **Figure 2**.

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*Figure 2 - National Water Model View Option Controls*

The blue lines on the map (see **Figure 2**) represent these tributaries and are based on a national creek and river database and may not reflect what is actually in existence. For example: a bypass channel such as the one that runs under South Broadway in Walnut Creek may not have been included in the “blue line” data when this was written.

When you click on a blue line, the right area will show a forecast of flows in the creek.

We hope to again provide links to the NWM on the pop ups for our Flood Control District stream gauges on our [RainMap](#) (see **Figure 3**). To see the current (outdated) links, go our [RainMap](#) and click the menu option Datasets>Water Level. If you click on the point at Marsh Drive Bridge a “Natl. Water Model Forecast” link will show at the bottom of the pop up. The NWM site works better on a PC.

We will be updating this document when there is flow in the creeks to better demonstrate what information the National Water Model Map provides to Contra Costa County residents. Until then, you can peruse the NWM Map to become familiar with its functionality and features.

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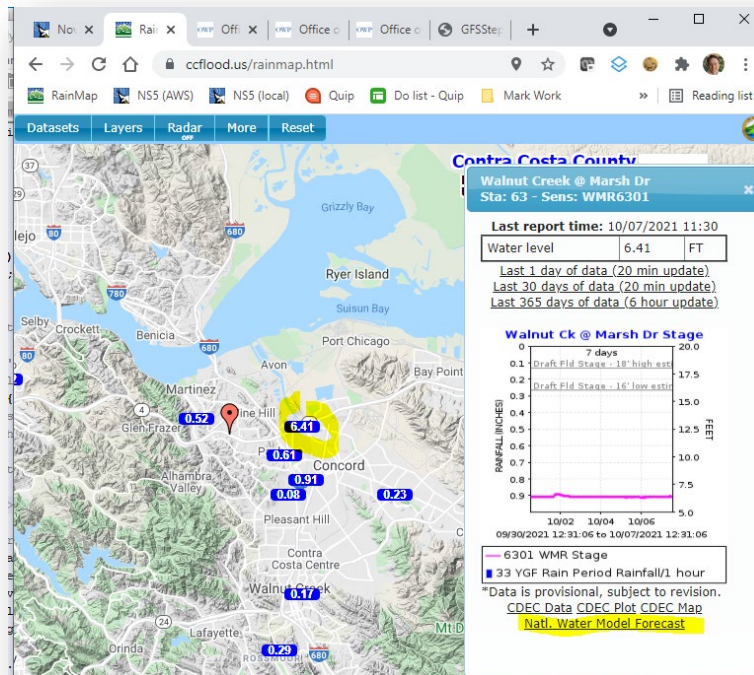
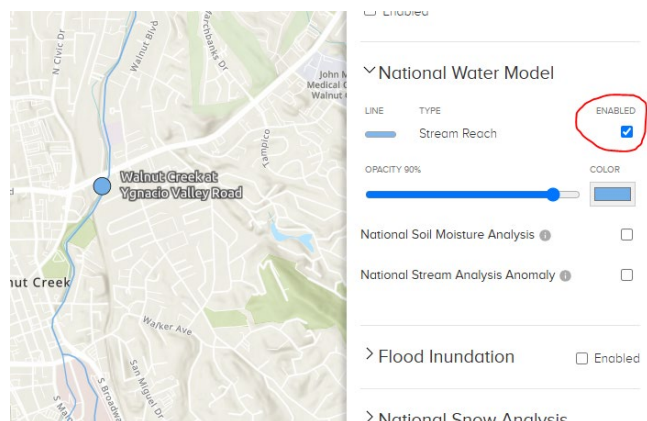


Figure 3 - RainMap screen snip.

The link highlighted has been removed from the RainMap gauge popups. See links below to zoom to the gauge location in the National Water Model.

Below are links to specific creek reaches where the Flood Control District has stream gauges. Once in the National Water Model, you will need to turn on the creeks by going to the "National Water Model" menu on the right sidebar and clicking the "Enable" box next the "Stream Reach" label.









# National Water Model FC District Stream Gauge Locations with Links

## GTB-Galindo Creek @ Treat Blvd

<https://water.noaa.gov/map#@=-121.991999,37.961512,16.000&b=topographic&g=obsFcst,1!1!1!1!1!1!1!1!1!1!1!1!1!1!1!0!0!0!0!0,0.5,1!1!1!1!0,0,0,true&ab=0,0,#D94B4A,1,1,1,#cccccc,1,0,0,#B243B1,1,0,0,#98E09A,1,false&a=hydrologic,0.35,false&s=0,0,0.9,0.9,false&n=true,#72afe9,0.9,0,0.9,0,0.9,true&p=false,0.75,0,7,0,1,2025,5,13,0,false&d=0,0,1,1,1,1,1,#006EFF,1,#006EFF,1,#006EFF,1,#006EFF,1,#006EFF,1,#006EFF>false&q=>

## MCR-Marsh Creek Reservoir

(NOTE: The NWM does not yet model the detention of water behind the Marsh Creek Reservoir Dam)

<https://water.noaa.gov/map#@=-121.726364,37.89038,16.000&b=topographic&g=obsFcst,1!1!1!1!1!1!1!1!1!1!1!1!1!1!1!0!0!0!0!0,0.5,1!1!1!1!0,0,0,true&ab=0,0,#D94B4A,1,1,1,#cccccc,1,0,0,#B243B1,1,0,0,#98E09A,1,false&a=hydrologic,0.35,false&s=0,0,0.9,0.9,false&n=true,#72afe9,0.9,0,0.9,0,0.9,true&p=false,0.75,0,7,0,1,2025,5,13,0,false&d=0,0,1,1,1,1,1,#006EFF,1,#006EFF,1,#006EFF,1,#006EFF,1,#006EFF,1,#006EFF>false&q=>

## MDA-Marsh Creek @ Dainty Ave

(NOTE: The NWM does not yet model the detention of water behind the Marsh Creek Reservoir Dam and other detention basins)

<https://water.noaa.gov/map#@=-121.711218,37.932581,16.000&b=topographic&g=obsFcst,1!1!1!1!1!1!1!1!1!1!1!1!1!1!1!0!0!0!0!0,0.5,1!1!1!1!0,0,0,true&ab=0,0,#D94B4A,1,1,1,#cccccc,1,0,0,#B243B1,1,0,0,#98E09A,1,false&a=hydrologic,0.35,false&s=0,0,0.9,0.9,false&n=true,#72afe9,0.9,0,0.9,0,0.9,true&p=false,0.75,0,7,0,1,2025,5,13,0,false&d=0,0,1,1,1,1,1,#006EFF,1,#006EFF,1,#006EFF,1,#006EFF,1,#006EFF,1,#006EFF>false&q=>

## MCB-Marsh Creek @ Brentwood

(NOTE: The NWM does not yet model the detention of water behind the Marsh Creek Reservoir Dam and other detention basins)

<https://water.noaa.gov/map#@=-121.687973,37.962606,16.000&b=topographic&g=obsFcst,1!1!1!1!1!1!1!1!1!1!1!1!1!1!1!0!0!0!0!0,0.5,1!1!1!1!0,0,0,true&ab=0,0,#D94B4A,1,1,1,#cccccc,1,0,0,#B243B1,1,0,0,#98E09A,1,false&a=hydrologic,0.35,false&s=0,0,0.9,0.9,false&n=true,#72afe9,0.9,0,0.9,0,0.9,true&p=false,0.75,0,7,0,1,2025,5,13,0,false&d=0,0,1,1,1,1,1,#006EFF,1,#006EFF,1,#006EFF,1,#006EFF,1,#006EFF,1,#006EFF>false&q=>

## MCF-Marsh Creek @ Fire Station

<https://water.noaa.gov/map#@=-121.863339,37.894888,16.000&b=topographic&g=obsFcst,1!1!1!1!1!1!1!1!1!1!1!1!1!1!1!0!0!0!0!0,0.5,1!1!1!1!0,0,0,true&ab=0,0,#D94B4A,1,1,1,#cccccc,1,0,0,#B243B1,1,0,0,#98E09A,1,false&a=hydrologic,0.35,false&s=0,0,0.9,0.9,false&n=true,#72afe9,0.9,0,0.9,0,0.9,true&p=false,0.75,0,7,0,1,2025,5,13,0,false&d=0,0,1,1,1,1,1,#006EFF,1,#006EFF,1,#006EFF,1,#006EFF,1,#006EFF,1,#006EFF>false&q=>

MB:

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