Preliminary Water Level Data (for education use):

Please write to Sarah D. Ferner, Education Coordinator, SF Bay NERR with questions: daviess@sfsu.edu
Preliminary water level data near culverts from Back Ranch and Miwok Meadows marshes at China Camp State Park
Water Level at NOAA Richmond Tide Station

Water Level, ft NAVD88

Richmond

www.tidesandcurrents.noaa.gov
station ID 9414863
Comparing Water Levels at the NERR Gallinas Creek Station and NOAA Richmond Station

Water Level, ft NAVD88

-3 -2 -1 0 1 2 3 4 5 6 7 8

12/22/18 12/23/18 12/24/18 12/25/18

Richmond
Gallinas Creek

www.nerrsdata.org
Comparing Water Levels at the NERR Gallinas Creek Station and NOAA Richmond Station

Higher and delayed high tide at Gallinas Creek

Attenuated and delayed lower low tide at Gallinas Creek
Preliminary water level data from Back Ranch marsh at China Camp State Park

[Graph showing water level data for Richmond, Gallinas Creek, and BackRanch NW over the dates 12/22/18 to 12/25/18.]

Water Level, ft NAVD88

- Richmond
- Gallinas Creek
- BackRanch NW
Preliminary water level data from Back Ranch marsh at China Camp State Park

Even longer delay in higher high water timing at marsh loggers
Lowest road elevation at Back Ranch marsh at China Camp State Park

Water Level, ft NAVD88

- Richmond
- Gallinas Creek
- BR Rd Elevation
- BackRanch NW
Road flooding during King Tides at Back Ranch marsh in December 2018
Road flooding during King Tides at Back Ranch marsh in December 2018

12/23 King Tide, 12:00-14:30: water on road
Higher elevation of road at Miwok Meadows marsh has fewer flood events

12/23 King Tide: no flooding