

SWP Weekly Water Quality Summary

February 10 to 16, 2011

Electrical Conductivity: EC decreased at Harvey O. Banks Pumping Plant (HBP), Check 41, Barker Slough and Vallecitos, but increased at Check 29 and Devil Canyon 2nd Afterbay. Concentrations ranged from 224 $\mu\text{S}/\text{cm}$ to 632 $\mu\text{S}/\text{cm}$ (134 to 379 mg/L), below the Article 19 Monthly Average Objective of 440 mg/L (733 $\mu\text{S}/\text{cm}$). At the end of the week, the highest concentration of 584 $\mu\text{S}/\text{cm}$ (350 mg/L) occurred at Barker Slough, while the lowest concentration of 284 $\mu\text{S}/\text{cm}$ (170 mg/L) occurred at Check 41. EC concentrations at HBP decreased from 300 $\mu\text{S}/\text{cm}$ to 290 $\mu\text{S}/\text{cm}$ (180 to 174 mg/L).

Bromide*: Concentrations exceeded the California Bay-Delta Authority (CBDA) Objective of 0.05 mg/L at all locations. Concentrations ranged from 0.06 to 0.35 mg/L. At the end of the week, HBP, Check 41, Devil Canyon 2nd Afterbay and Vallecitos had the lowest concentration of 0.09 mg/L, while the highest concentration of 0.30 mg/L occurred at Barker Slough.

* Bromide concentrations are calculated values using linear regression equations using EC concentrations and are not as accurate as bromide concentrations from laboratory analysis.

Turbidity: Turbidity levels decreased at HBP, Devil Canyon 2nd Afterbay, Barker Slough and Vallecitos, but increased at Check 29 and Check 41. Turbidity levels ranged from 3.1 to 55.5 NTU. At the end of the week, the lowest level of 3.1 NTU occurred at Devil Canyon 2nd Afterbay, while the highest level of 34.9 NTU occurred at Barker Slough. Turbidity levels at HBP decreased from 23.0 NTU to 17.7 NTU.

Dissolved Organic Carbon (DOC): Concentrations decreased from 4.3 mg/L to 4.0 mg/L at HBP, from 3.5 mg/L to 3.1 mg/L at Check 13, and from 4.8 to 4.6 mg/L at Edmonston Pumping Plant.

Taste and Odor Compounds: MIB and geosmin concentrations in the SWP at Clifton Court Inlet, HBP, Del Valle Check 7 and O'Neill Forebay Outlet ranged from ND to 2 ng/L.

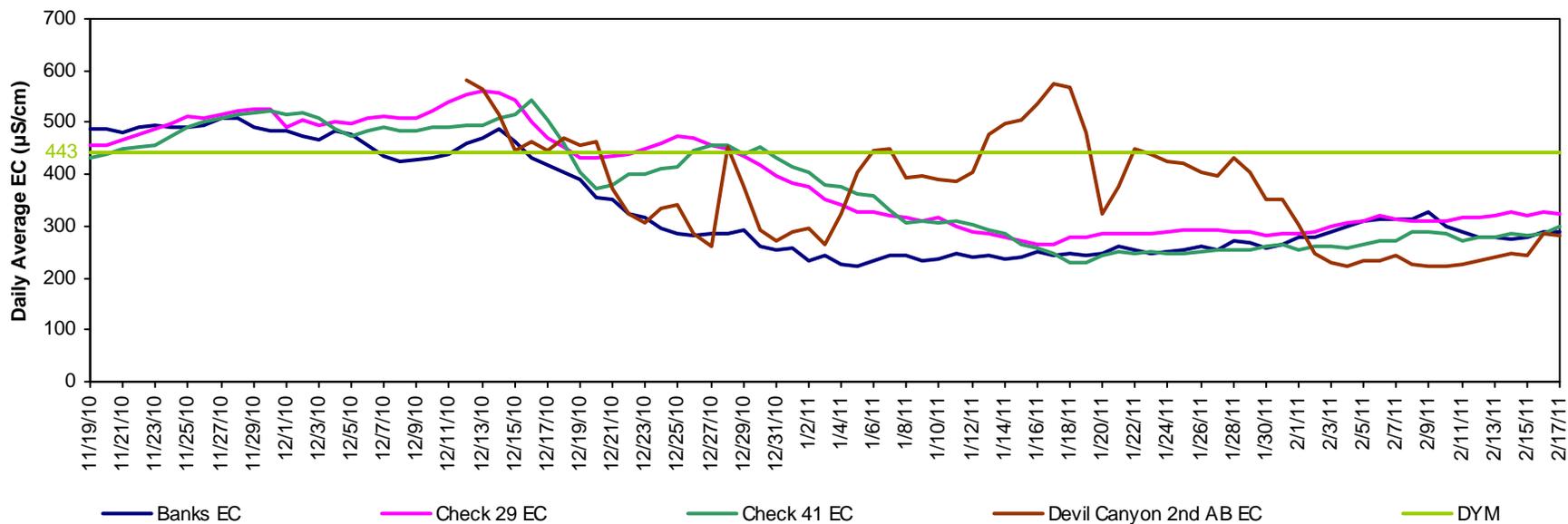
There was no groundwater pumped into the California Aqueduct this week.

The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientists, and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and can be directed to Cindy Garcia at 916-653-7213, or Austine Eke at 916-653-7227. To view WQ data from the automated stations along the SWP, visit:

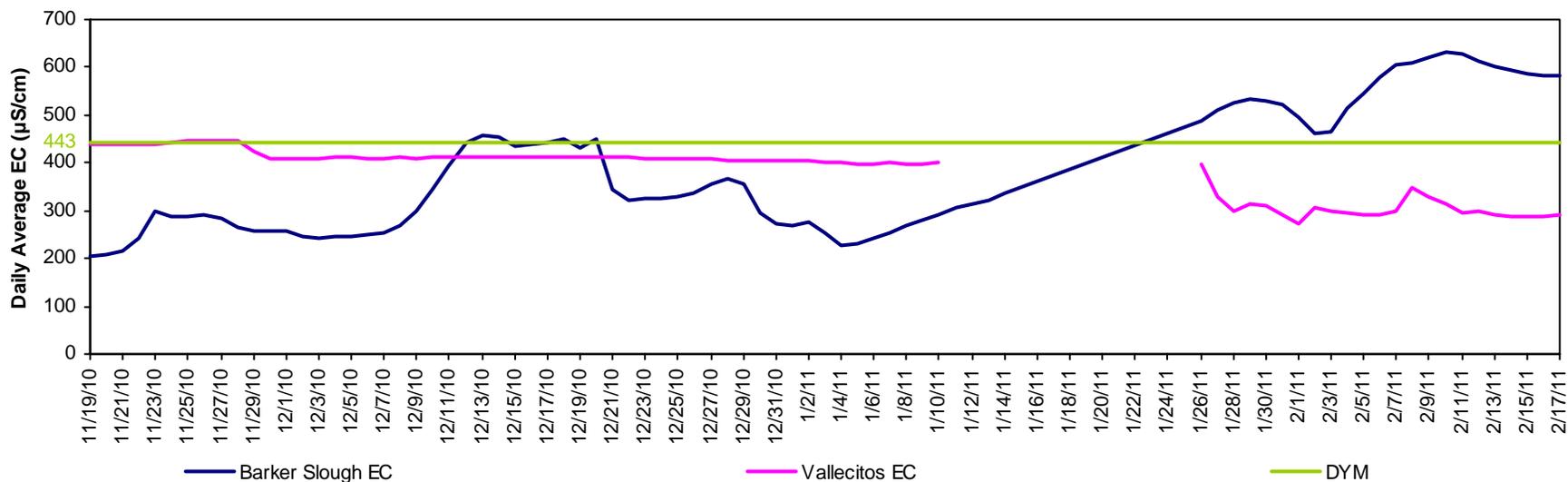
http://www.water.ca.gov/swp/waterquality/AutostationData/Autostation_map.cfm, and click on a station name on the map to link to the station's data on the California Data Exchange Center (CDEC) website.

To view the Edmonston pumping plant daily pumping data, visit: www.water.ca.gov. Click on the “State Water Project” tab, and click on the “Operations Control” link. Look under the “Project-Wide Operations” header for the “Dispatcher's Daily Water Report.”

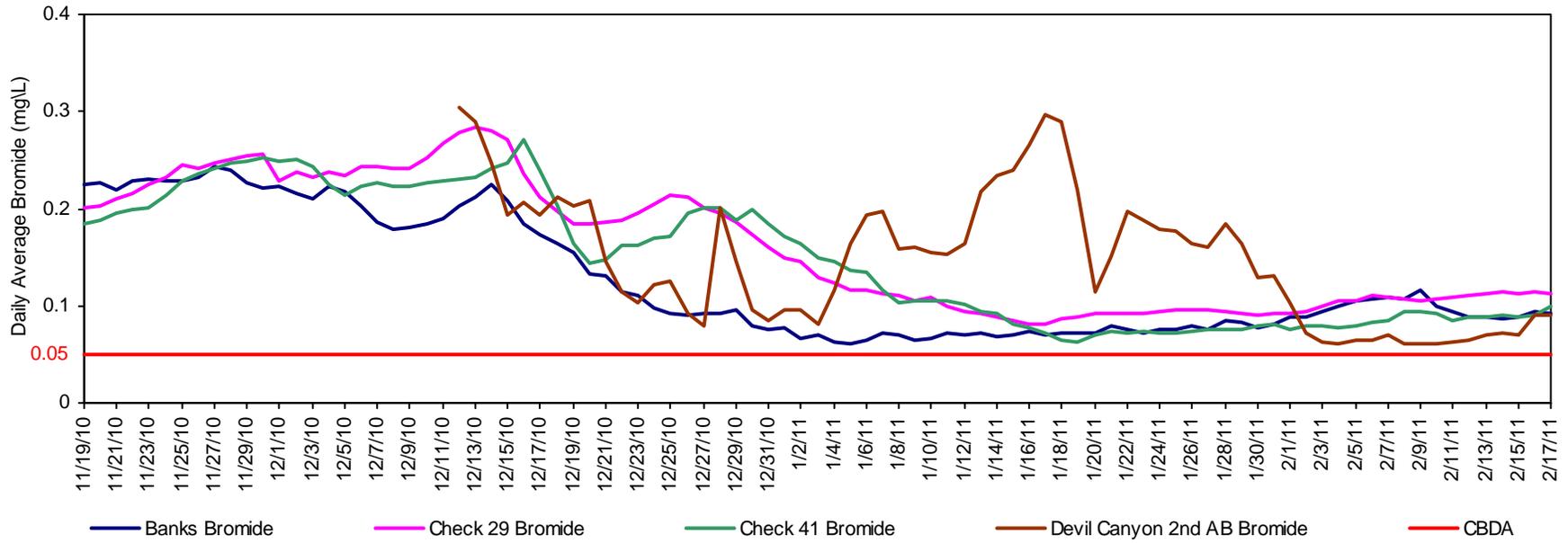
California Aqueduct - Electrical Conductivity



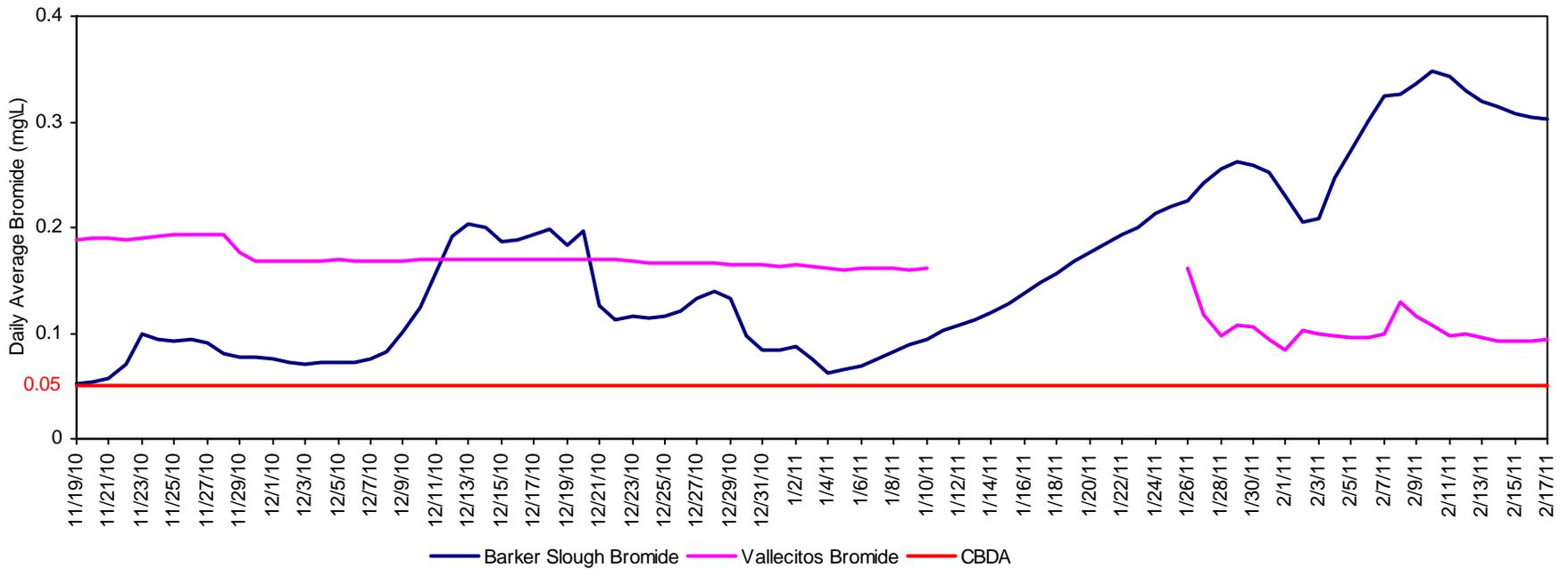
North and South Bay Aqueduct - Electrical Conductivity



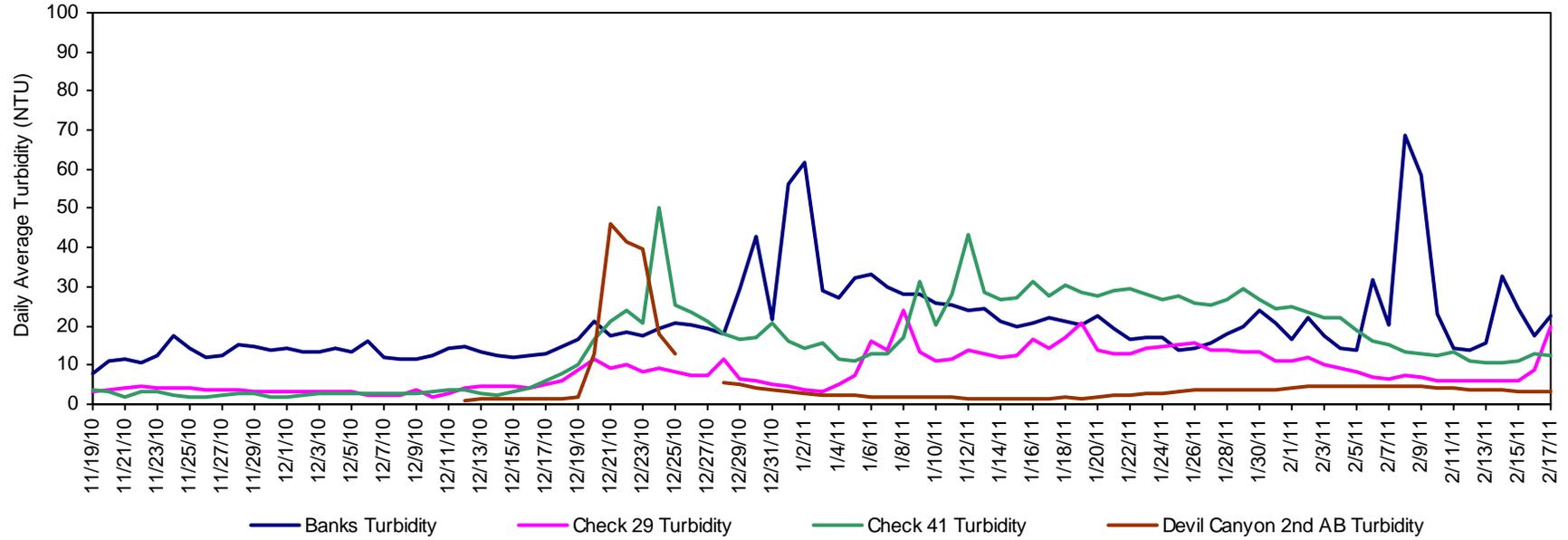
California Aqueduct - Calculated Bromide



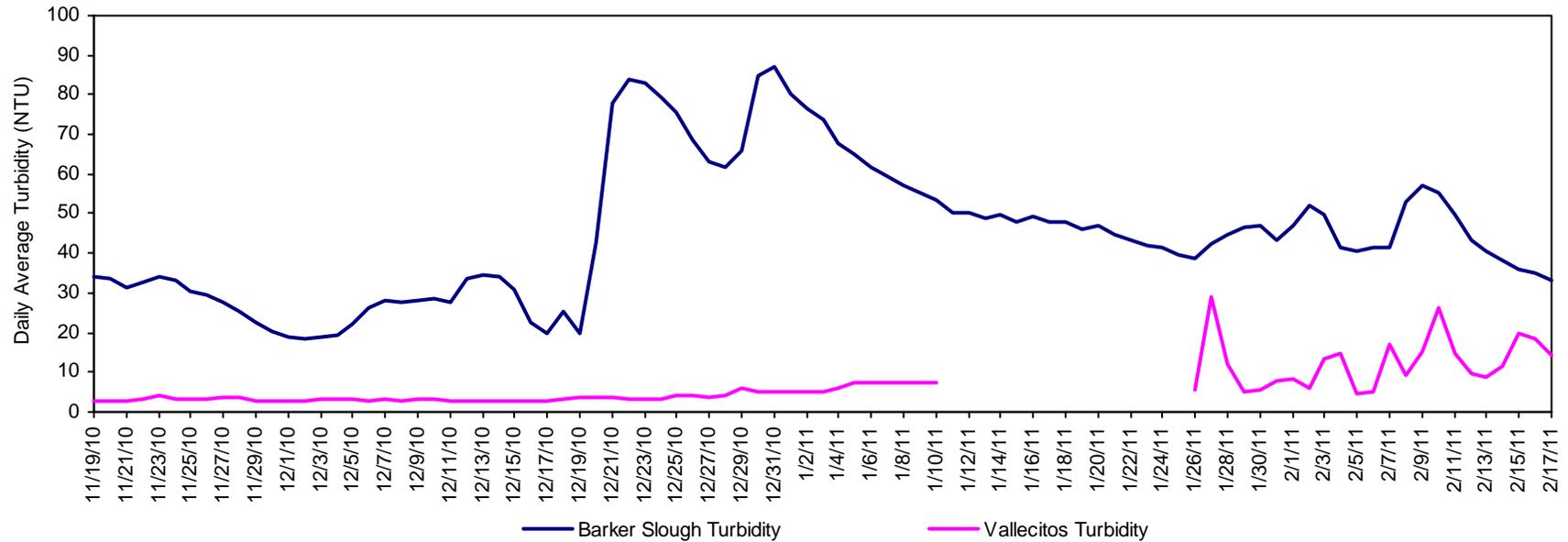
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct Calculated Dissolved Organic Carbon

