

SWP Weekly Water Quality Summary

February 16 to 22, 2011

Electrical Conductivity: EC decreased at Harvey O. Banks Pumping Plant (HBP), Devil Canyon 2nd Afterbay and Barker Slough, but increased at Check 29 and Vallecitos. Concentrations ranged from 226 $\mu\text{S}/\text{cm}$ to 584 $\mu\text{S}/\text{cm}$ (136 to 350 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 313 $\mu\text{S}/\text{cm}$ (188 mg/L) occurred at Check 29, while the lowest concentration of 265 $\mu\text{S}/\text{cm}$ (159 mg/L) occurred at Barker Slough. EC concentrations at HBP decreased slightly from 290 $\mu\text{S}/\text{cm}$ to 285 $\mu\text{S}/\text{cm}$ (174 to 171 mg/L).

Bromide*: Concentrations exceeded the California Bay-Delta Authority (CBDA) Objective of 0.05 mg/L at all locations. Concentrations ranged from 0.08 to 0.30 mg/L. At the end of the week, Devil Canyon 2nd Afterbay and Barker Slough had the lowest concentration of 0.08 mg/L, while the highest concentration of 0.11 mg/L occurred at Check 29. Bromide concentrations at HBP were unchanged at 0.09 mg/L, at the end of the week.

* 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 increased at Check 29 and Barker Slough, but decreased at Devil Canyon 2nd Afterbay and Vallecitos. Turbidity levels ranged from 0.7 to 88.8 NTU. At the end of the week, the lowest level of 0.7 NTU occurred at Devil Canyon 2nd Afterbay while the highest level of 88.8 NTU occurred at Barker Slough. Turbidity levels at HBP were unchanged at 17.7 NTU.

Dissolved Organic Carbon (DOC): Concentrations increased from 4.0 mg/L to 4.6 mg/L at HBP, but decreased from 3.1 mg/L to 3.0 mg/L at Check 13 and from 4.6 to 4.3 mg/L at Edmonston Pumping Plant.

Taste and Odor Compounds: There was no current MIB and geosmin data.

Groundwater Pump-ins: Groundwater pump-ins to the California Aqueduct from February 14 to 18, 2011 totaled 821AF from Arvin-Edison Water Storage District.

Flood Water Inflow:

Floodwater inflow into the Aqueduct from Cantua Creek and Drain Inlet from February 19 to 22, 2011 totaled 497 cfs.

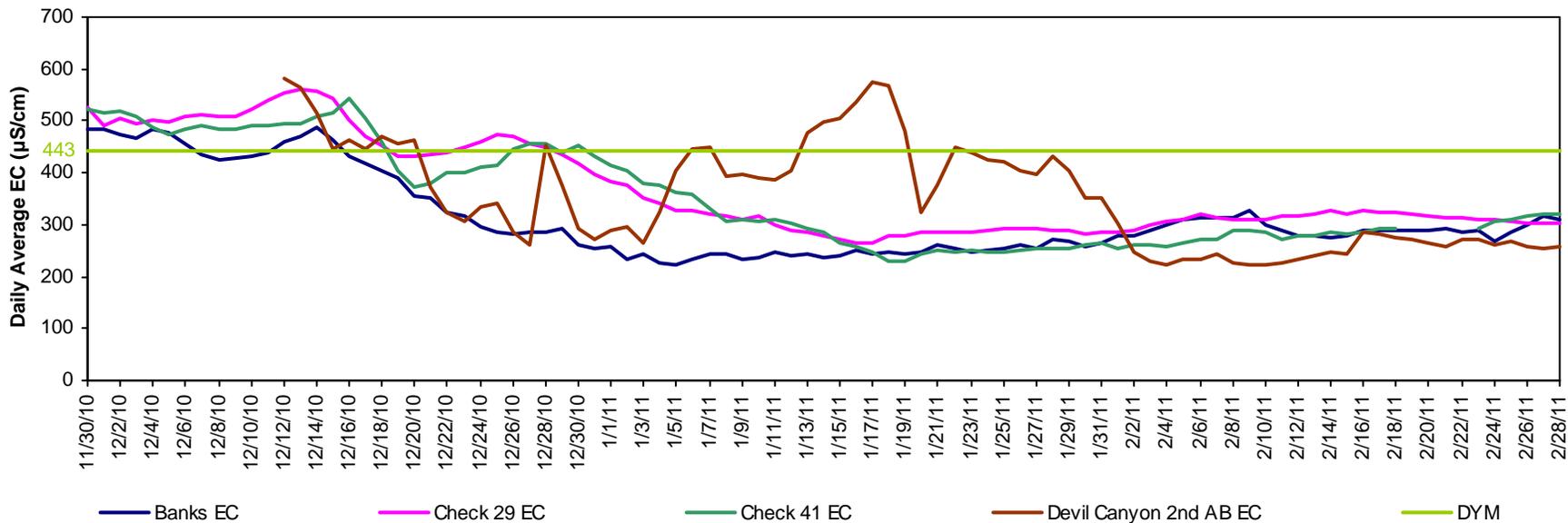
The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientists, and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and should be directed to Cindy Garcia at 916-653-7213, or Austine 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

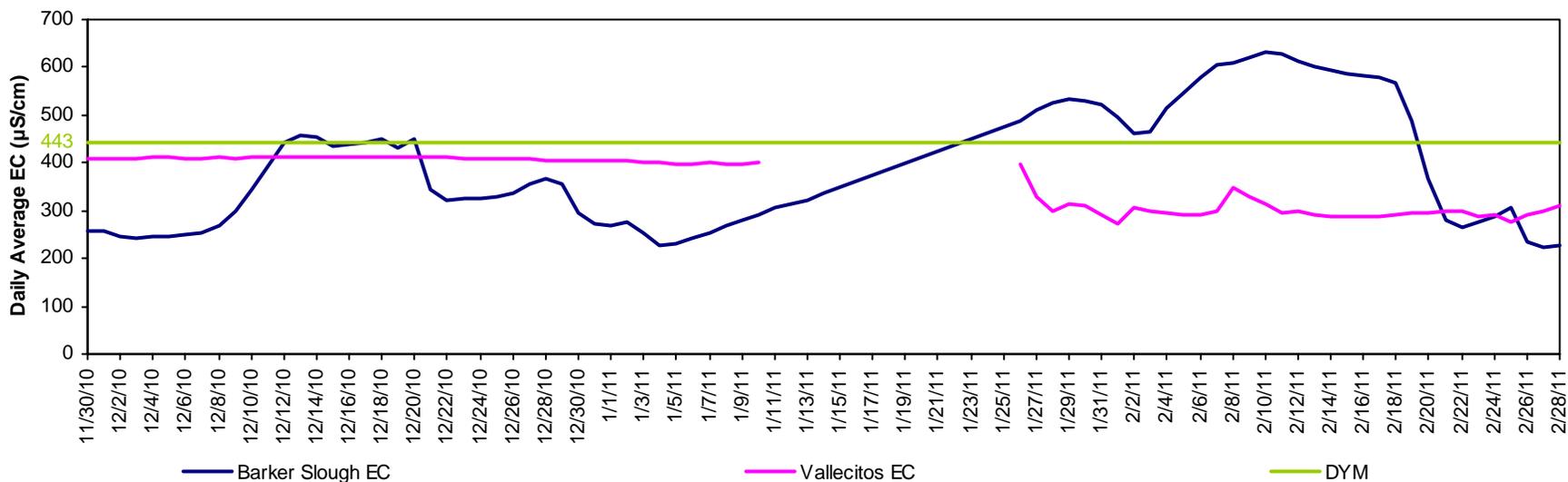
click on a station name on the map to link to the station's data on the California Data Exchange Center (CDEC) website.

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."

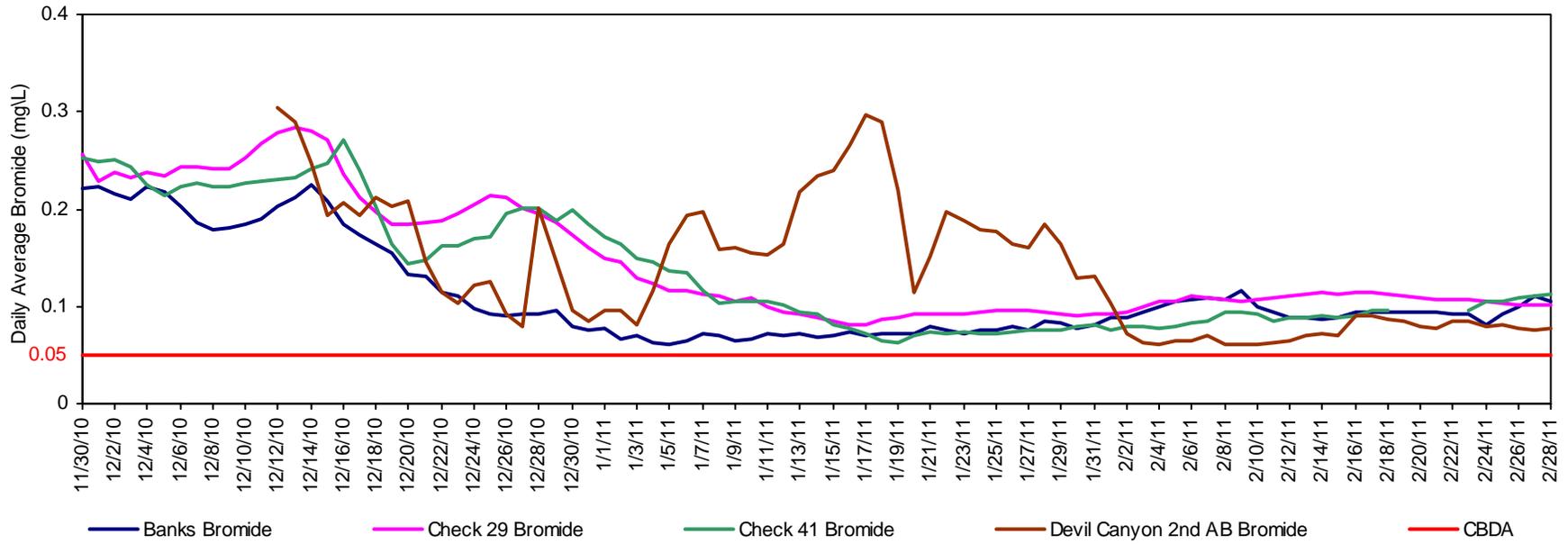
California Aqueduct - Electrical Conductivity



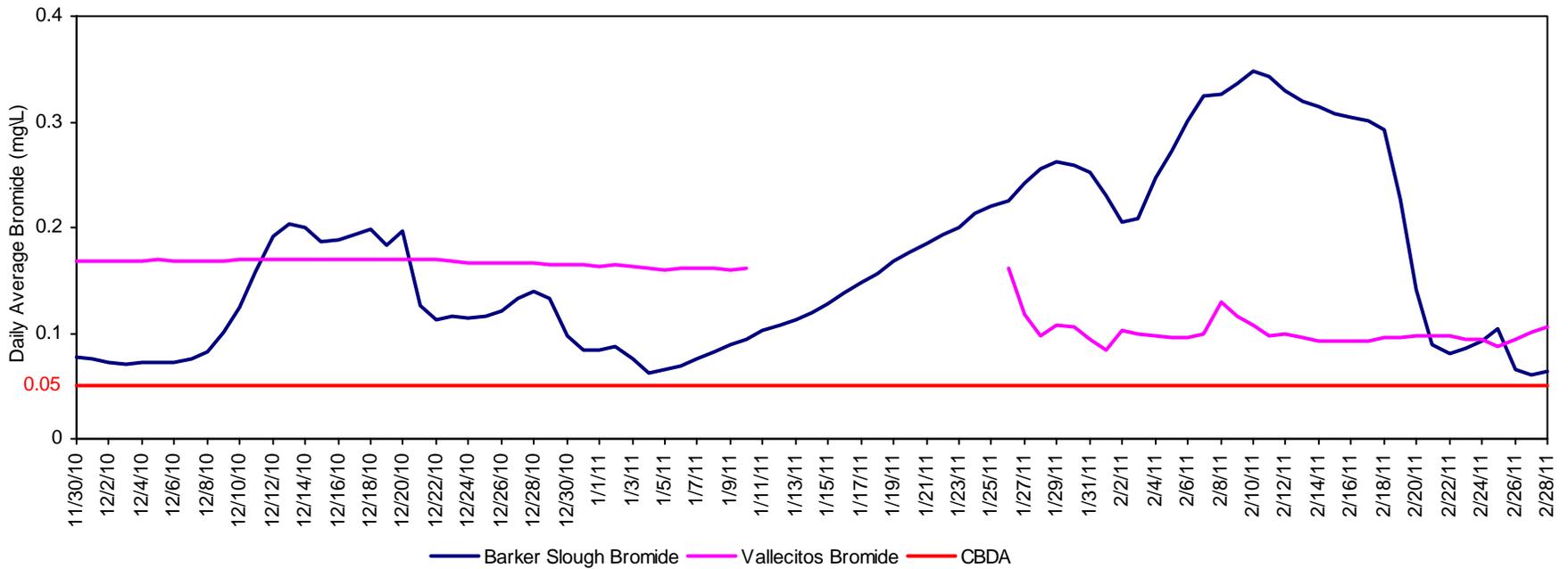
North and South Bay Aqueduct - Electrical Conductivity



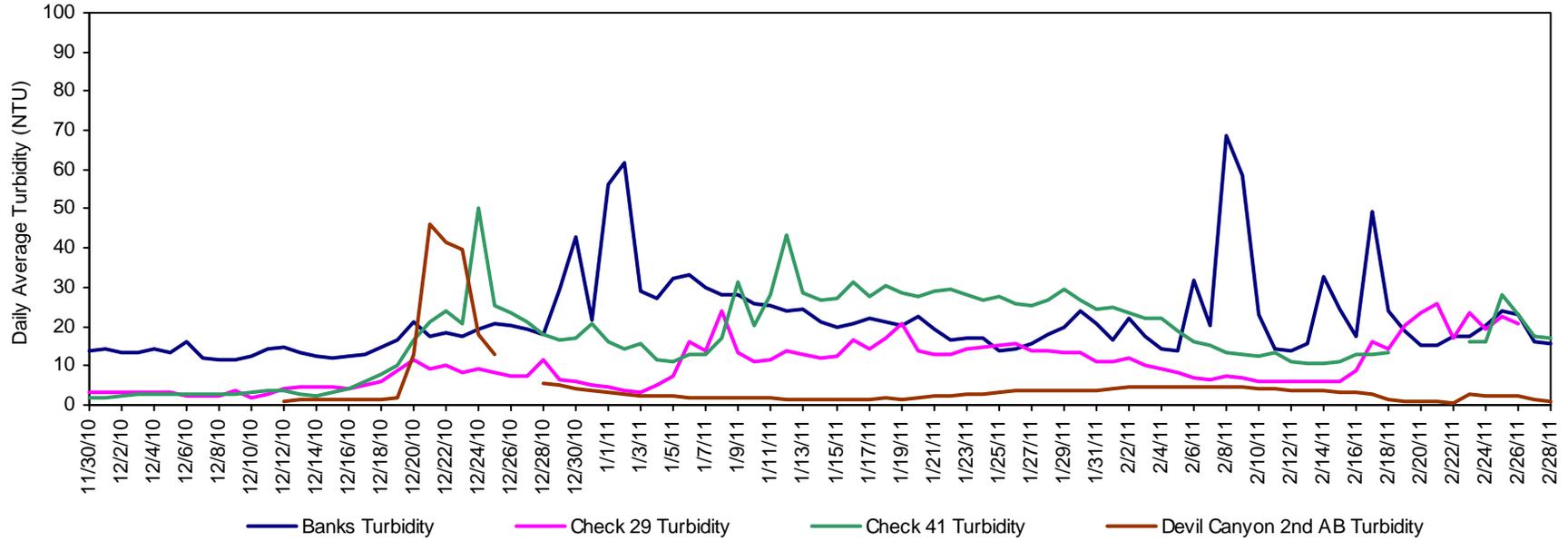
California Aqueduct - Calculated Bromide



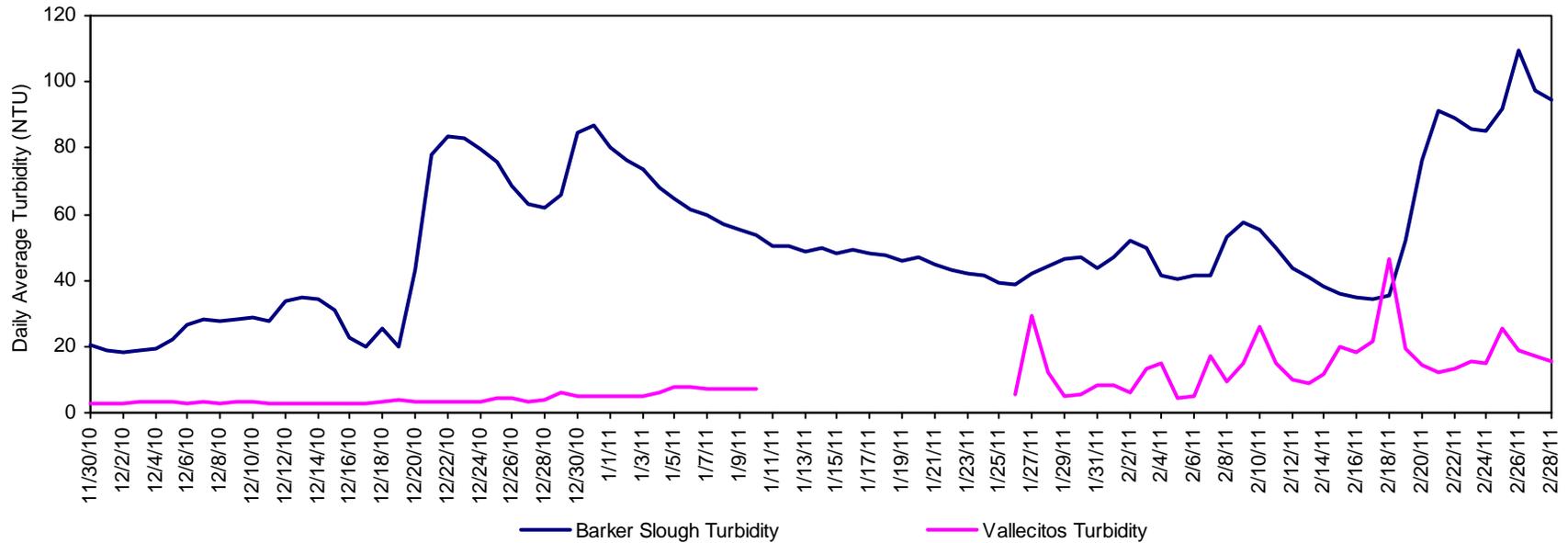
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct Calculated Dissolved Organic Carbon

