

# SWP Weekly Water Quality Summary

March 3 to 10, 2010

**Electrical Conductivity:** Concentrations decreased at Harvey O. Banks Pumping Plant (HBP) and Vallecitos, but increased Check 41 and Barker Slough from March 3 to March 10, 2010. Concentrations ranged from 198 to 465  $\mu\text{S}/\text{cm}$  (119 to 279 mg/L), below the Article 19 Monthly Average Objective of 733  $\mu\text{S}/\text{cm}$  (440 mg/L.) As of March 10, 2010, the lowest concentration of 307  $\mu\text{S}/\text{cm}$  occurred at Check 41, while the highest concentration of 417  $\mu\text{S}/\text{cm}$  occurred at HBP. As of March 10, 2010, the EC concentration at HBP decreased 10.3% from 465 to 417  $\mu\text{S}/\text{cm}$ .

**Bromide\***: Concentrations exceeded the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L at all locations except at Check 41. Concentrations ranged from 0.05 to 0.21 mg/L. As of March 10, Check 41 had the lowest concentration of 0.10 mg/L, while the highest concentration of 0.17 mg/L occurred at HBP and Vallecitos. The average daily bromide concentration at HBP was 0.17 mg/L as of March 10, 2010.

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

**Turbidity:** This week turbidity levels increased at HBP and Check 41, but decreased at Barker Slough and Vallecitos. Turbidity levels ranged from 3.9 to 52.8 NTU during the week. As of March 10, 2010, the lowest level of 5.0 NTU occurred at Check 41, while the highest level of 50.0 NTU occurred at Barker Slough. Turbidity levels at HBP increased from 10.6 NTU to 13.1 NTU as of March 10, 2010.

**Dissolved Organic Carbon (DOC):** Concentrations decreased slightly from 7.4 to 7.1 mg/L at HBP, but increased from 6.8 to 7.0 mg/L at Check 13 and slightly from 1.8 mg/L to 1.9 mg/L at Edmonston PP, as of March 10, 2010.

**Taste and Odor Compounds:** As of March 8, 2010, MIB and geosmin concentrations in the SWP remain low, ranging from non-detect to 6 ng/L at Clifton Court Inlet, HBP, Del Valle Check 7, Check 66, and Silverwood Lake.

Ground water pump-ins to the California Aqueduct from March 3 to 10, 2010 totaled 30 AF. The break down of the total volume was:

- Semitropic (2&3) Water Storage District = 30 AF

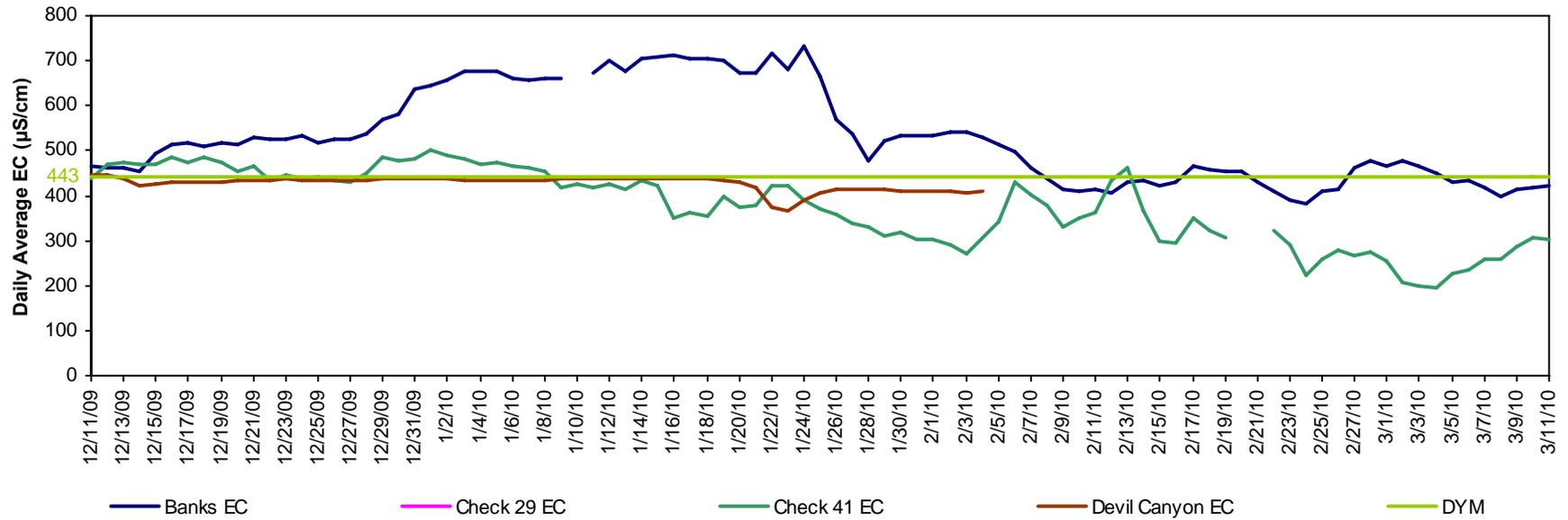
*As of March 10, 2010, no data were available for Devil Canyon and Check 29 due to malfunctioning instruments and the water quality station upgrades currently underway.*

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 @ 916-653-7213, or Austine Eke @ 916-653-7227. To view WQ data from the automated stations along the SWP, visit:

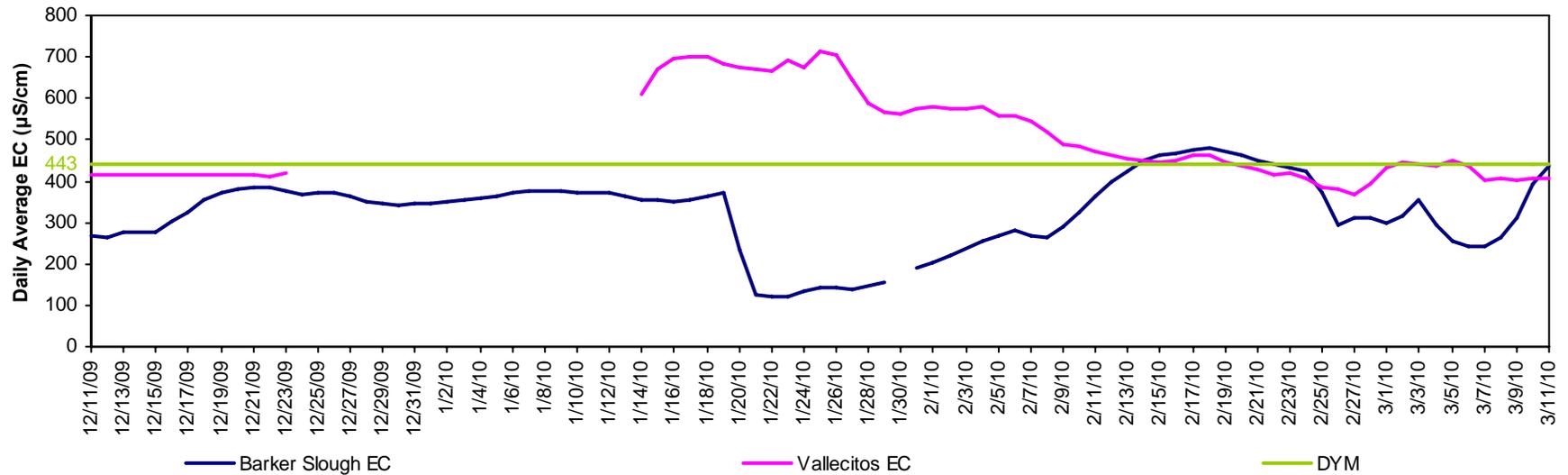
[http://www.water.ca.gov/swp/waterquality/AutostationData/Autostation\\_map.cfm](http://www.water.ca.gov/swp/waterquality/AutostationData/Autostation_map.cfm), and click on a station name on the map to link to the station's data on the California Data Exchange Center (CDEC) website.

To view the Edmonston's daily AF pumping data, visit: [www.water.ca.gov](http://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."

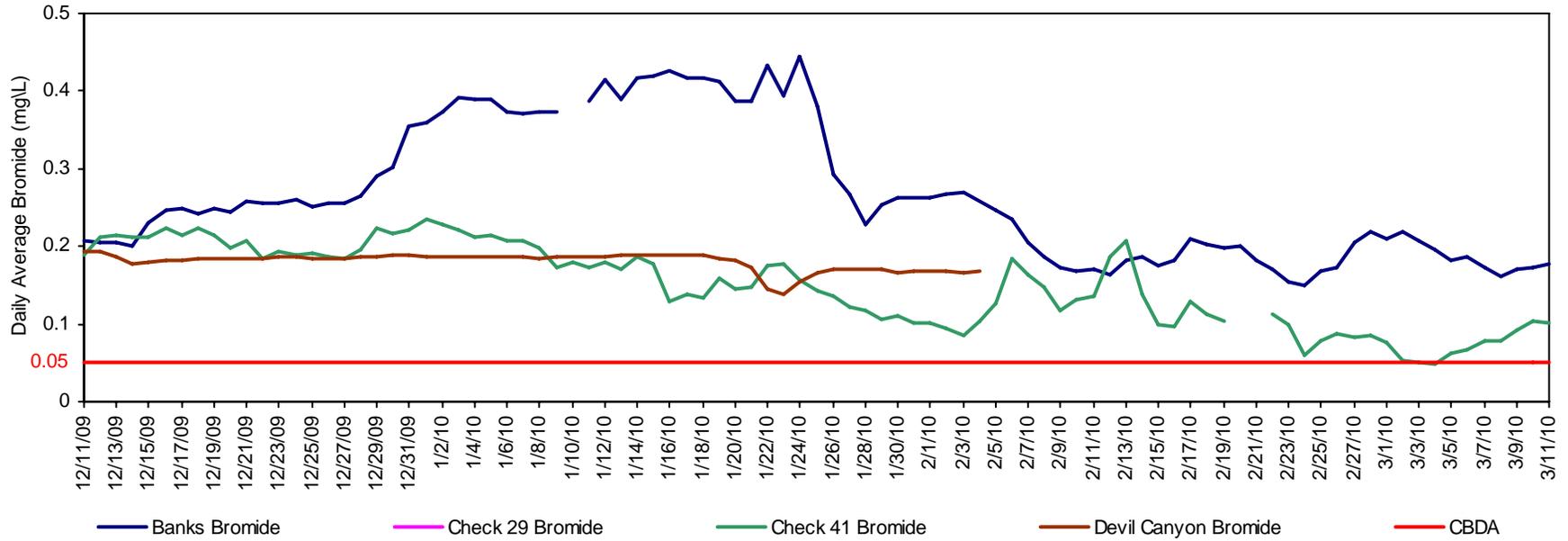
### California Aqueduct - Electrical Conductivity



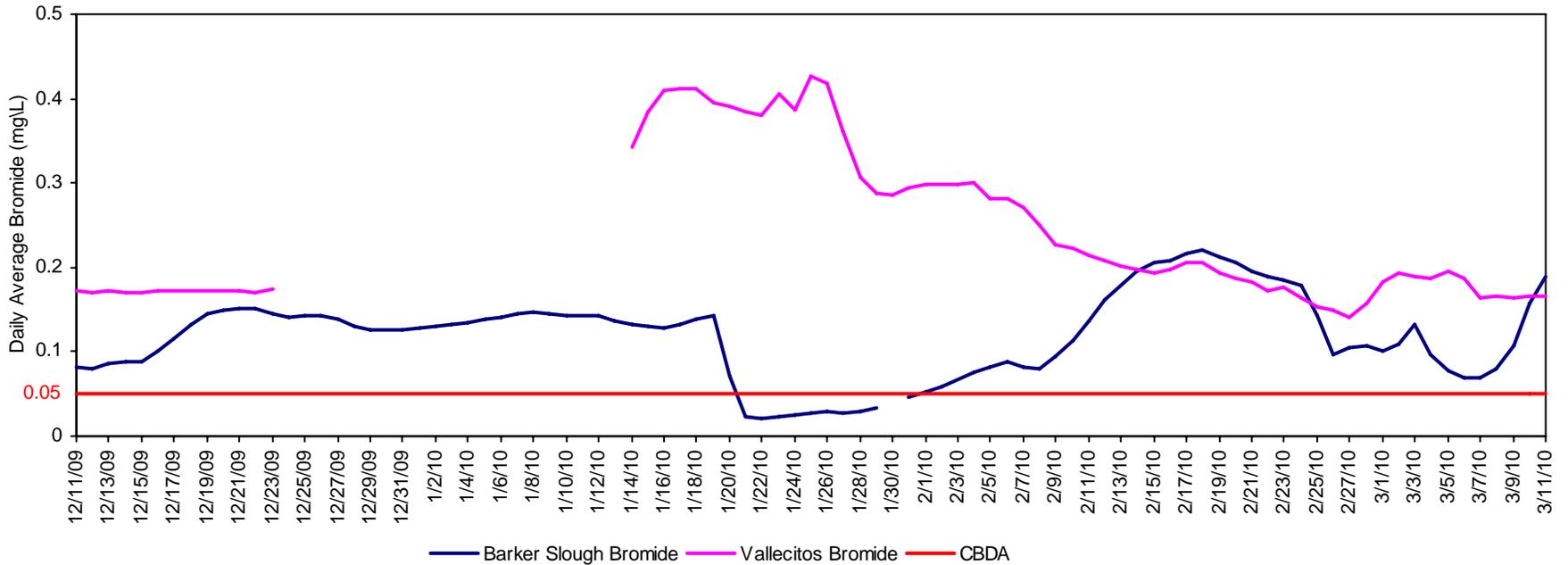
### North and South Bay Aqueduct - Electrical Conductivity



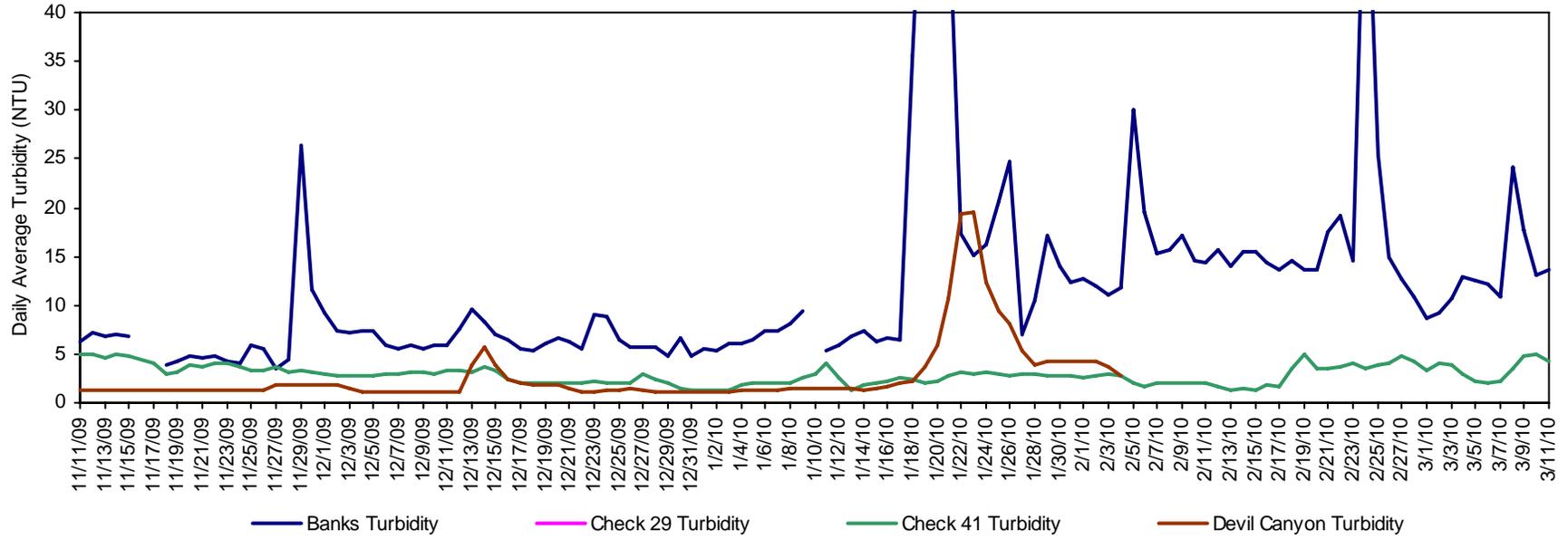
### California Aqueduct - Calculated Bromide



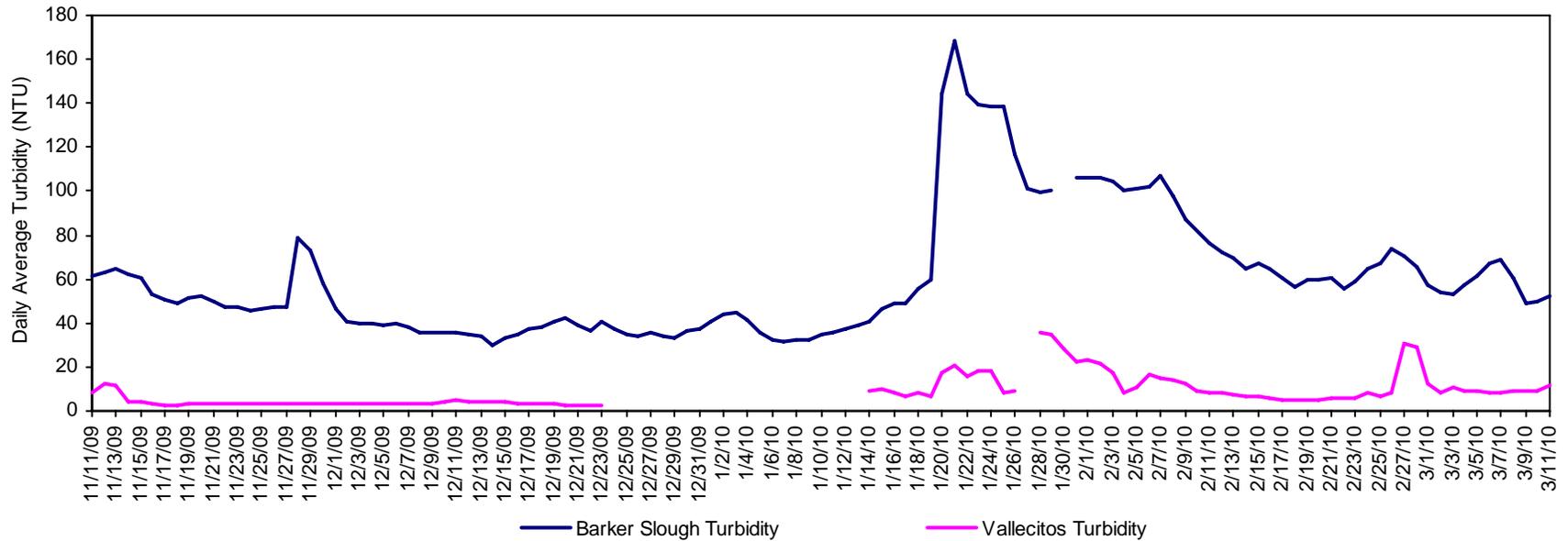
### North and South Bay Aqueduct - Calculated Bromide



### California Aqueduct - Turbidity



### North and South Bay Aqueduct - Turbidity



# California Aqueduct Calculated Dissolved Organic Carbon

