

SWP Weekly Water Quality Summary

December 29, 2010 to January 4, 2011

Electrical Conductivity: EC decreased at all locations and concentrations ranged from 228 $\mu\text{S}/\text{cm}$ to 438 $\mu\text{S}/\text{cm}$ (137 to 263 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 400 $\mu\text{S}/\text{cm}$ (240 mg/L) occurred at Vallecitos, while the lowest concentration of 228 $\mu\text{S}/\text{cm}$ (137 mg/L) occurred at HBP and Barker Slough. EC concentrations at HBP decreased from 293 $\mu\text{S}/\text{cm}$ to 228 $\mu\text{S}/\text{cm}$ (176 to 137 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 0.19 mg/L. At the end of the week, HBP and Barker Slough had the lowest concentration of 0.06 mg/L, while the highest concentration of 0.16 mg/L occurred at Vallecitos.

* 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, Check 41 and Vallecitos, but increased at Check 29 and Barker Slough. Turbidity levels ranged from 5.0 to 67.8 NTU. The lowest level of 5.0 NTU occurred at Check 29, while the highest level of 67.8 NTU occurred at Barker Slough. Turbidity levels at HBP decreased slightly from 29.6 NTU to 27.1 NTU.

Dissolved Organic Carbon (DOC): Concentrations increased from 4.4 mg/L to 5.2 mg/L at HBP, from 3.3 mg/L to 4.1 mg/L at Check 13, and from 3.0 to 3.4 mg/L at Edmonston Pumping Plant.

Taste and Odor Compounds: MIB and geosmin concentrations in the SWP at HBP and Clifton Court Inlet ranged from ND to 3 ng/L.

Ground water pump-ins to the California Aqueduct totaled 11 AF. The break down of the total volume was:

- Arvin-Edison Water Storage District = 2 AF
- Semitropic 2 Water Storage District = 9 AF.

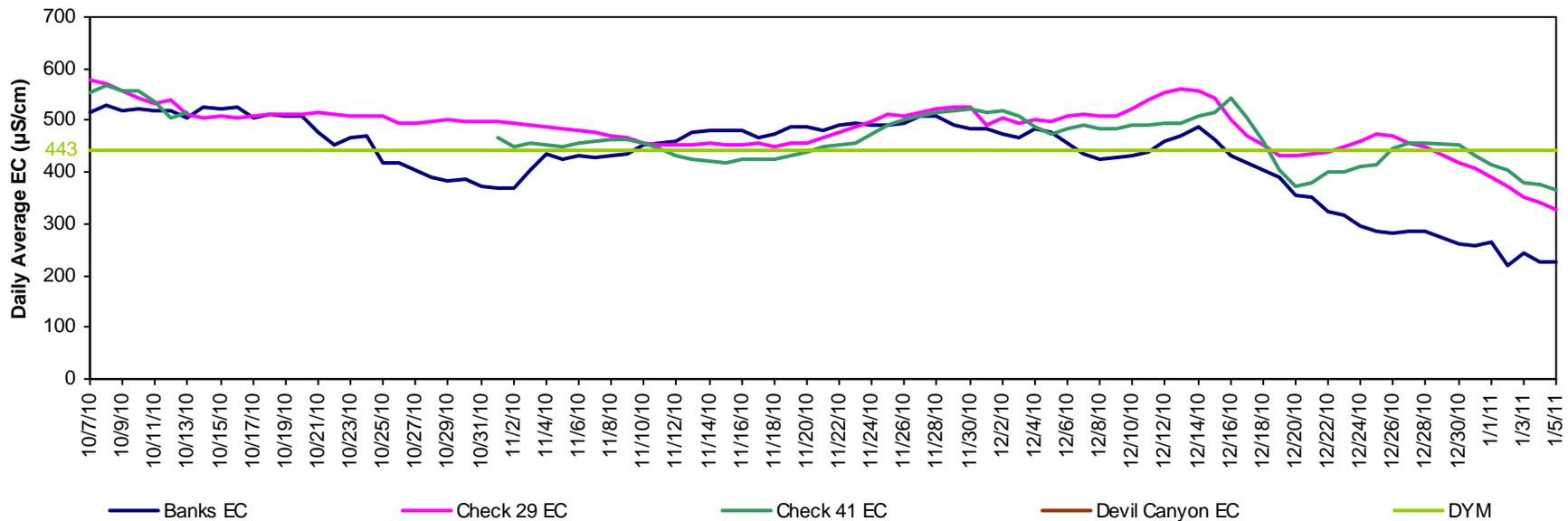
As of January 4, 2011, no data were available for Devil Canyon due to malfunctioning instruments.

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:

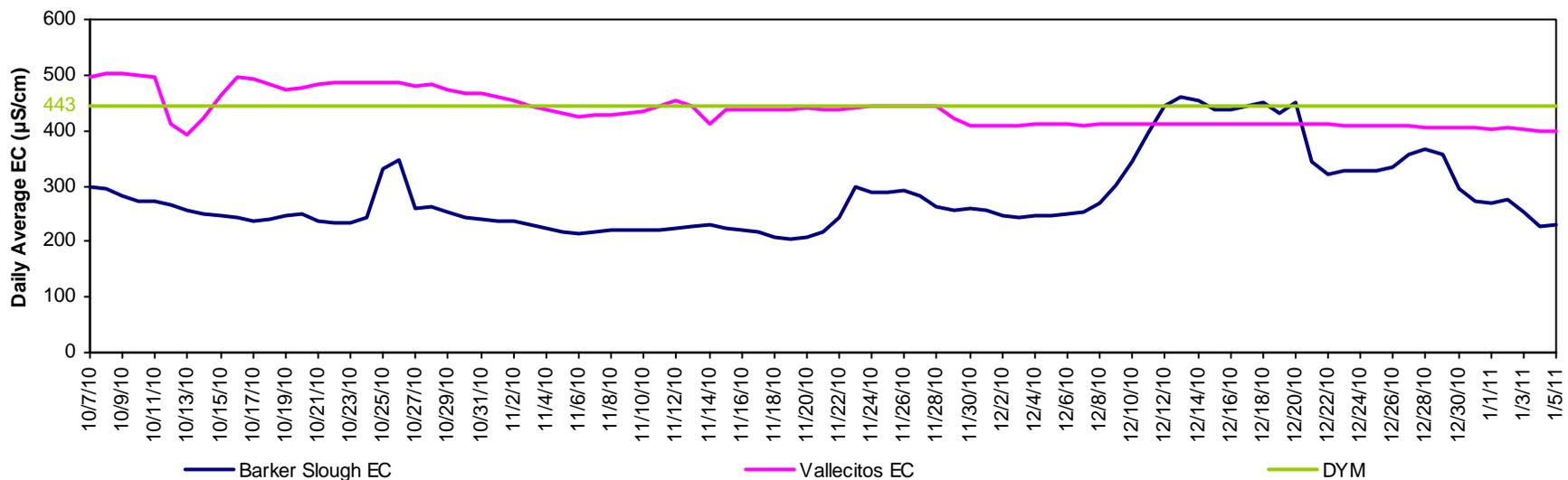
http://www.water.ca.gov/swp/waterquality/AutostationData/Autostation_map.cfm, and click on a station name on the map to link to the station's data on the California Data Exchange Center (CDEC) website.

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.”

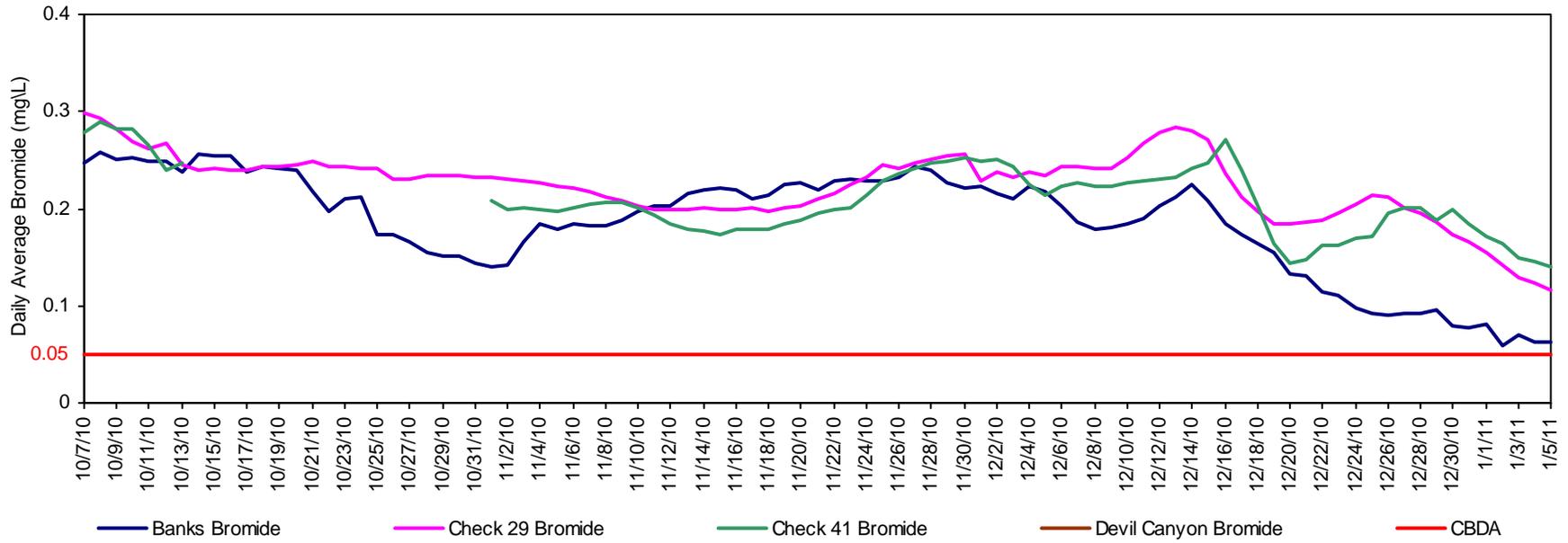
California Aqueduct - Electrical Conductivity



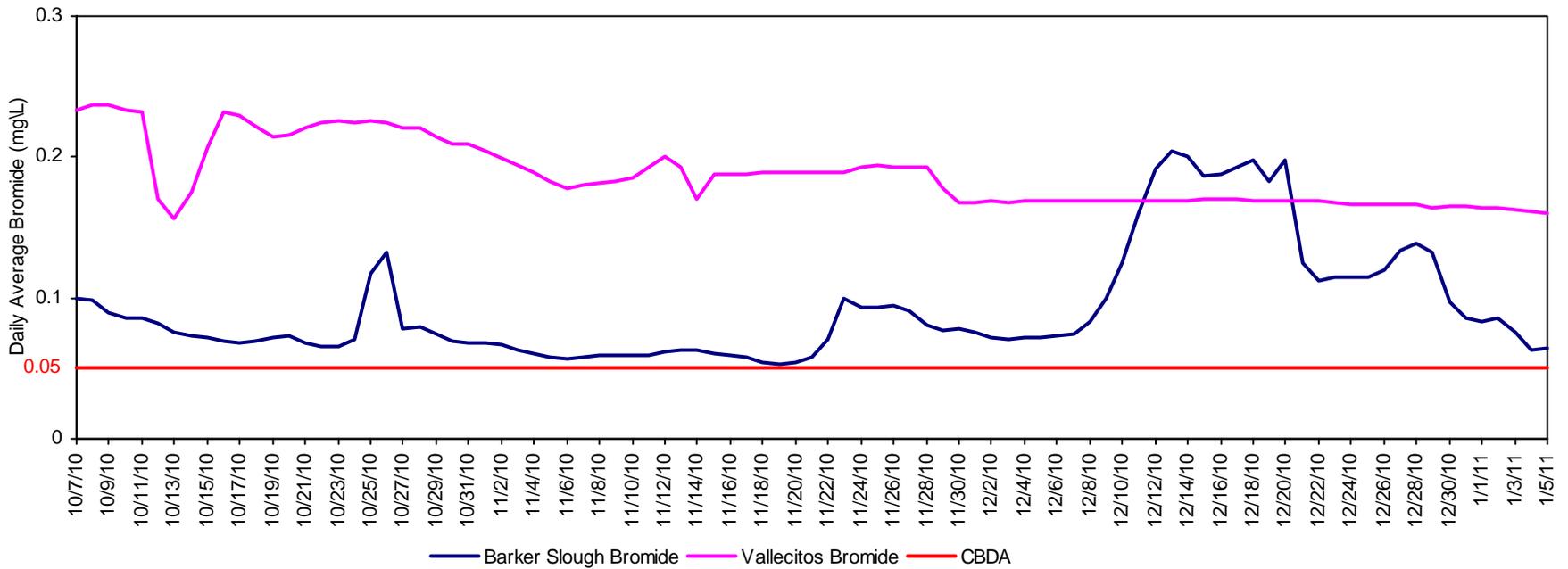
North and South Bay Aqueduct - Electrical Conductivity



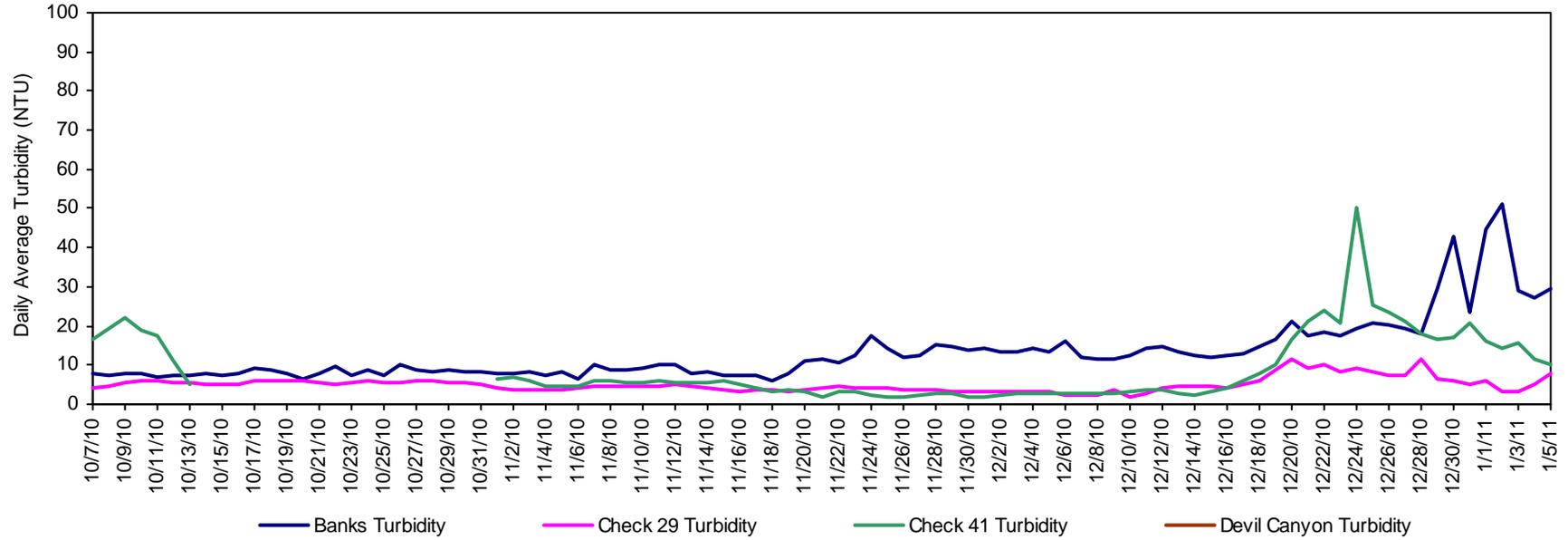
California Aqueduct - Calculated Bromide



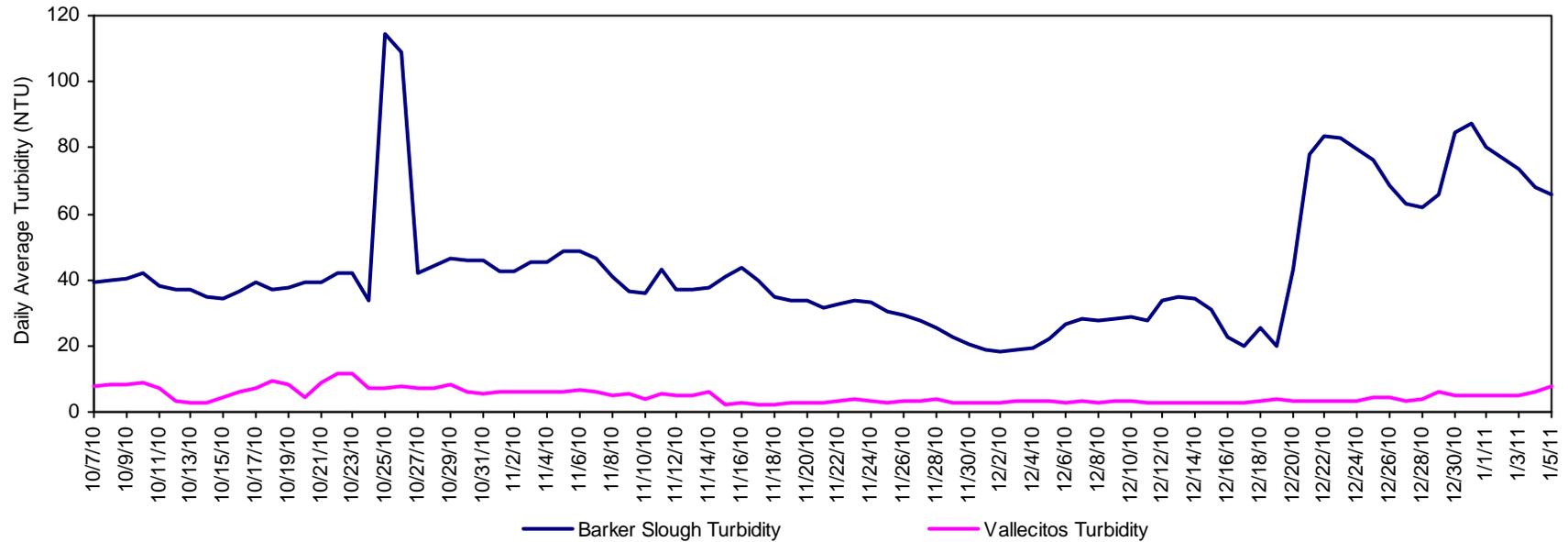
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct Calculated Dissolved Organic Carbon

