

SWP Weekly Water Quality Summary

November 16 to 22, 2010

Electrical Conductivity (EC): EC concentrations increased at Harvey O. Banks Pumping Plant (HBP), Check 29, Check 41, Barker Slough and Vallecitos. All EC concentrations were below the Article 19 Monthly Average Objective of 733 $\mu\text{S}/\text{cm}$ (440 mg/L). Concentrations ranged from 220 to 491 $\mu\text{S}/\text{cm}$ (132 to 294 mg/L). At the end of the week, the lowest concentration of 244 $\mu\text{S}/\text{cm}$ (146 mg/L) occurred at Barker Slough, and the highest concentration of 491 $\mu\text{S}/\text{cm}$ (294 mg/L) occurred at HBP. EC increased at HBP from 481 $\mu\text{S}/\text{cm}$ to 491 $\mu\text{S}/\text{cm}$ (289 to 294 mg/L).

Bromide*: Concentrations exceeded the California Bay-Delta Authority Objective of 0.05 mg/L at all the stations. Barker Slough had the lowest concentration of 0.06 mg/L, while the highest concentration of 0.23 mg/L occurred at HBP.

* 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 HBP, Check 29, and Vallecitos, but decreased at Check 41 and Barker Slough. Turbidity ranged from 2.6 NTU to 43.6 NTU. At the end of the week, the lowest level of 3.4 NTU occurred at Check 41 and Vallecitos, while the highest level of 32.9 NTU occurred at Barker Slough. Turbidity levels at HBP increased from 7.3 NTU to 10.7 NTU.

Dissolved Organic Carbon (DOC): Concentrations remained at 2.2 mg/L at HBP and at 2.0 mg/L at Check 13. DOC concentrations increased from 3.1 to 3.2 mg/L at Edmonston Pumping Plant.

Taste and Odor Compounds: MIB and geosmin concentrations in the SWP will be available in the next weekly water quality summary.

Groundwater pump-ins to the California Aqueduct totaled 1,853 AF. The breakdown of the total volume was:

- Kern Water Bank Authority (who operate the Kern Water Bank Canal) = 28 AF
- Semitropic (2&3) Water Storage District = 1,825 AF

No data were available for Devil Canyon this week due to malfunctioning instruments.

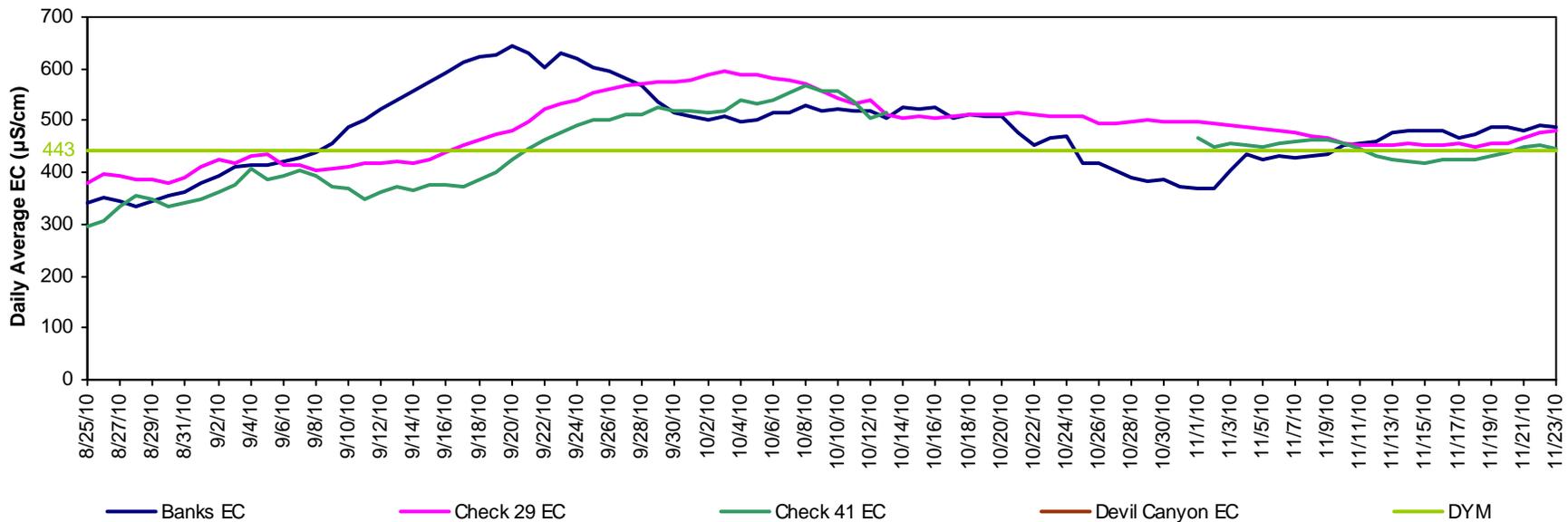
The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientists and interested parties with the status of water quality in the State Water Project (SWP). You can direct your comments, questions and suggestions to Cindy Garcia @ 916-653-7213 or Austine Eke @ 916-653-7227. To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

http://www.water.ca.gov/swp/waterquality/AutostationData/Autostation_map.cfm, and

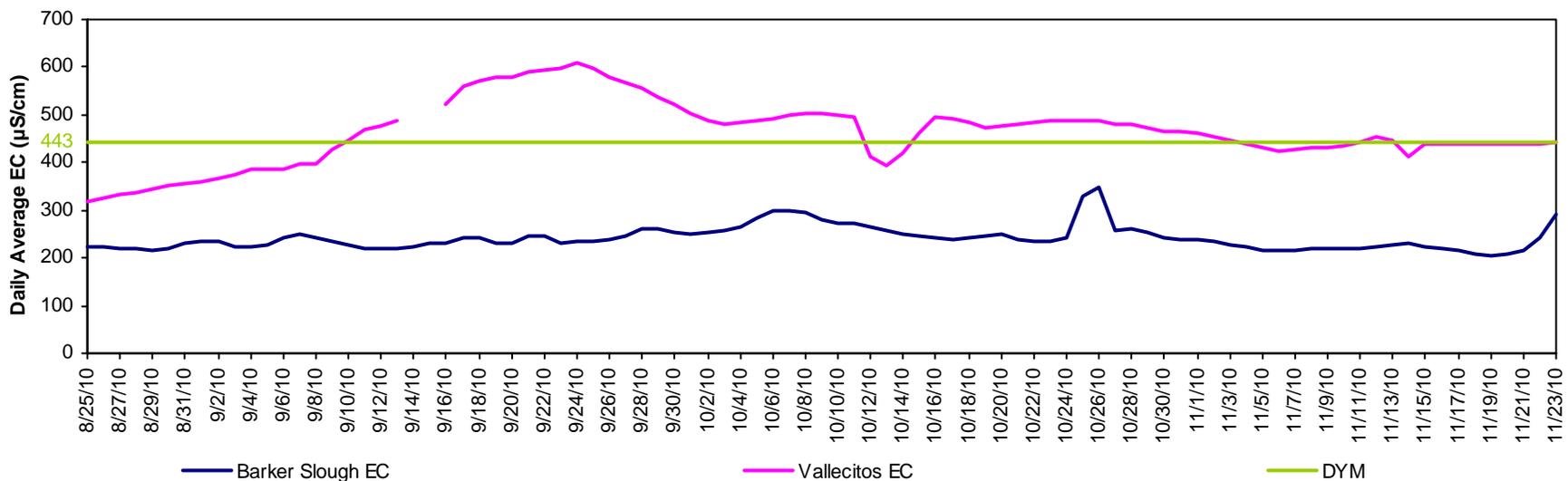
click on a station name on the map to link to the station's data on the California Data Exchange Center (CDEC) website.

To view the Edmonston's daily AF pumping data, visit www.water.ca.gov. 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."

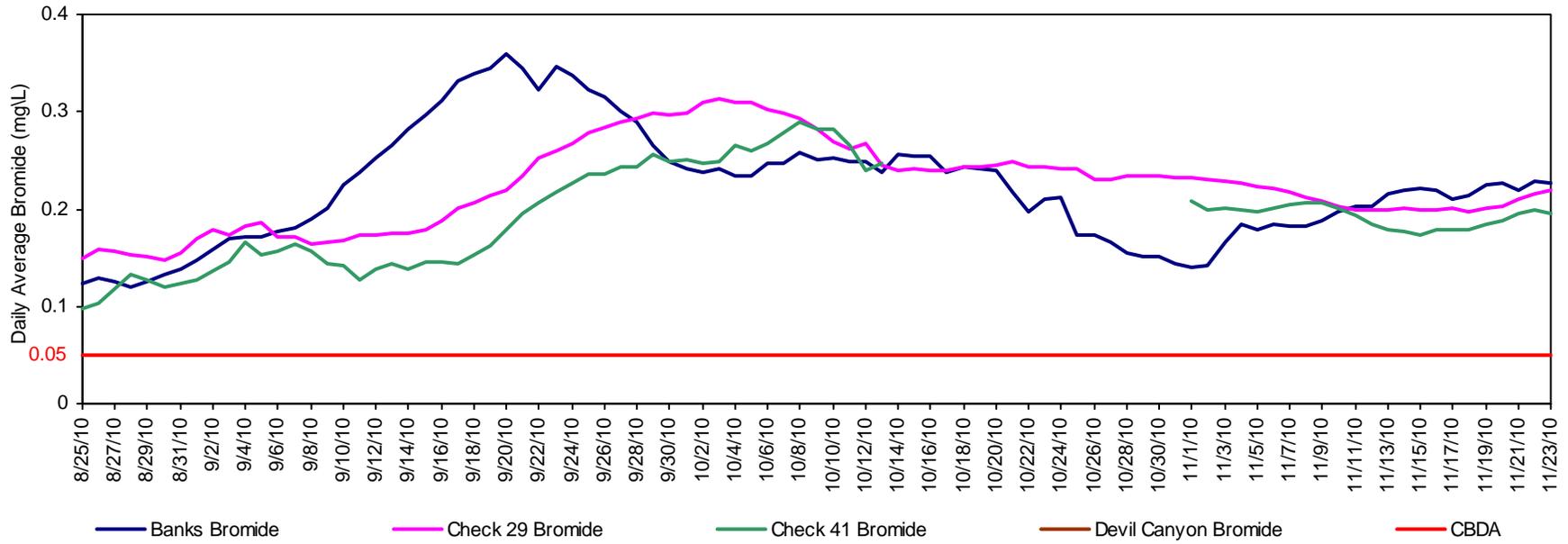
California Aqueduct - Electrical Conductivity



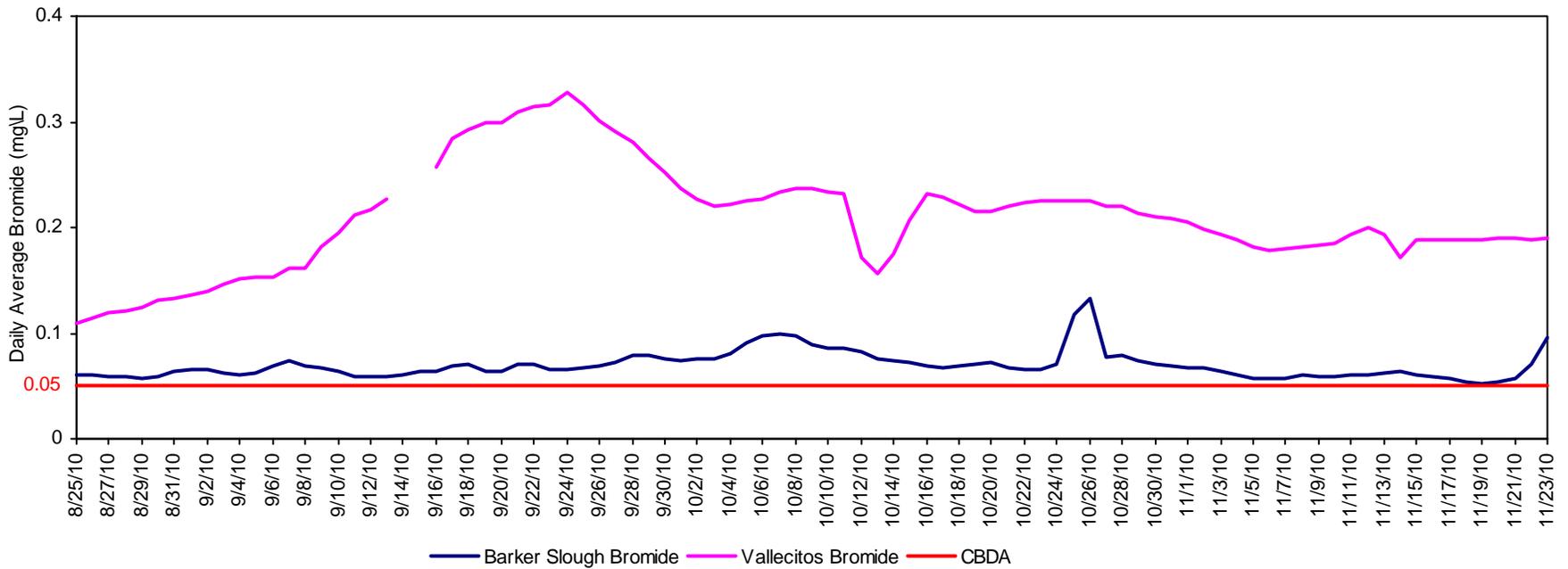
North and South Bay Aqueduct - Electrical Conductivity



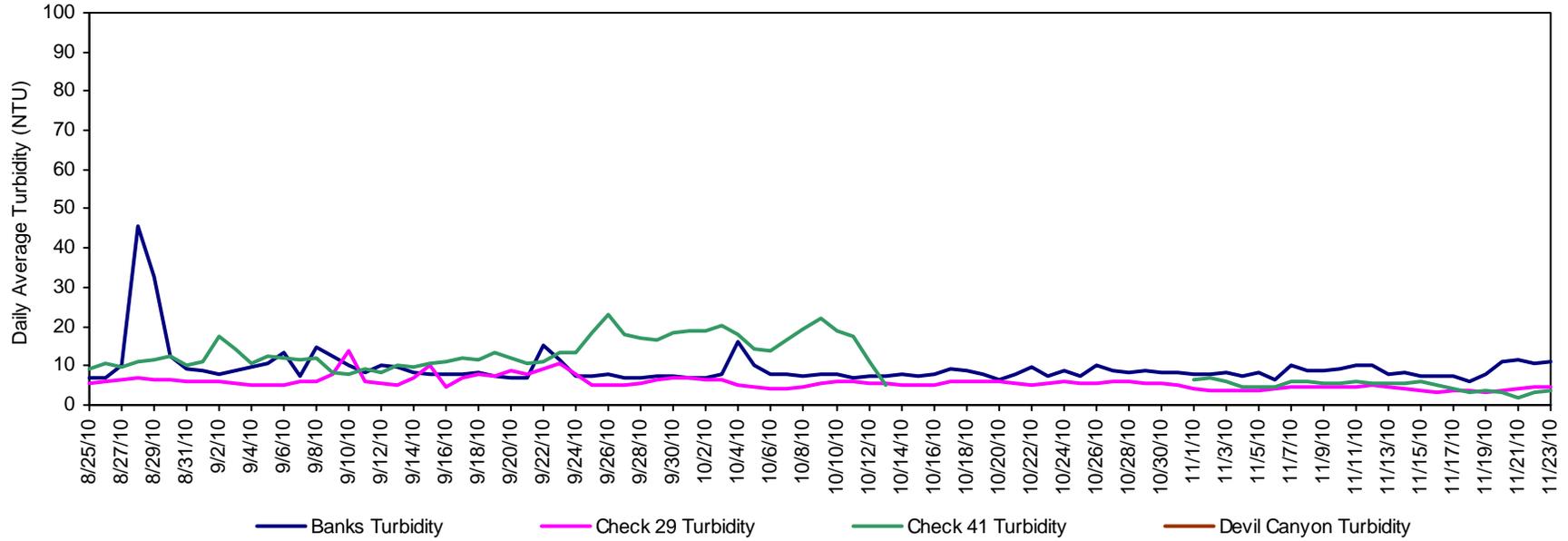
California Aqueduct - Calculated Bromide



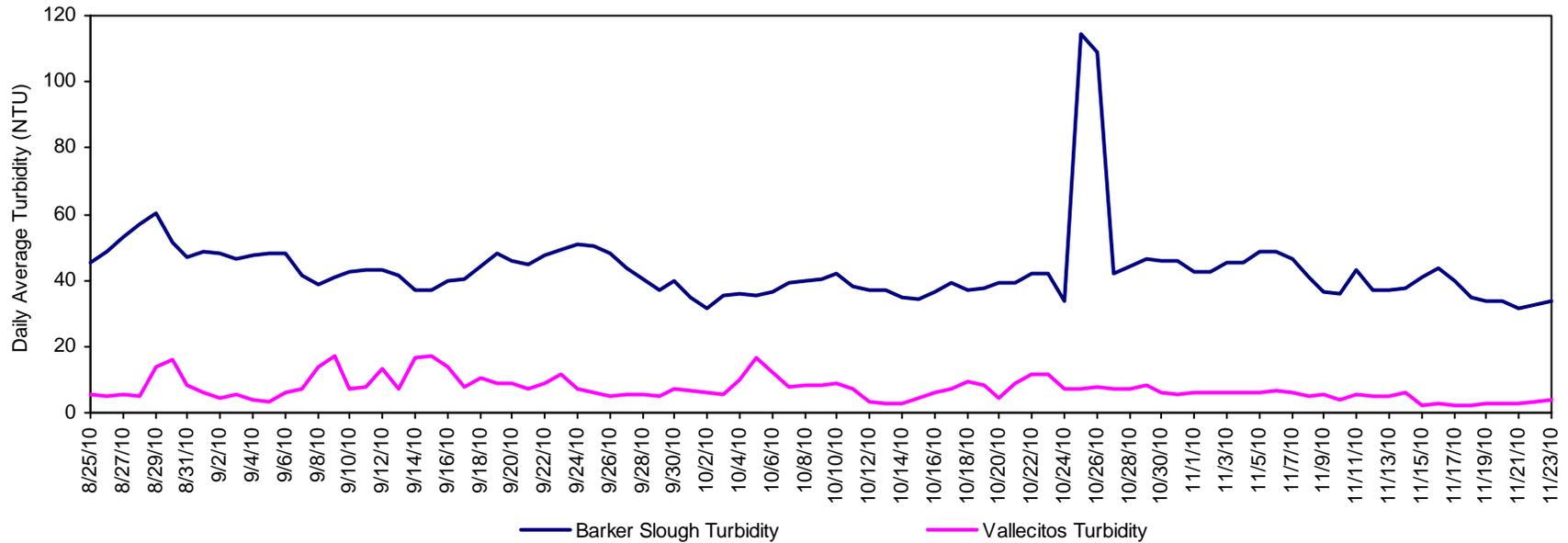
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct Calculated Dissolved Organic Carbon

