

SWP Water Quality Summary

September 16 to 23, 2009

Electrical Conductivity: Concentrations increased at Harvey O. Banks Pumping Plant (HBP), Devil Canyon, and Barker Slough from September 16 to 23, 2009. Concentrations ranged from 265 $\mu\text{S}/\text{cm}$ to 563 $\mu\text{S}/\text{cm}$ (159 mg/L to 338 mg/L), below the Article 19 Monthly Average Objective of 440 mg/L (733 $\mu\text{S}/\text{cm}$). As of September 23, 2009, daily average concentrations varied at all the locations, with the lowest concentration of 310 $\mu\text{S}/\text{cm}$ occurring at Barker Slough, while the highest concentration of 563 $\mu\text{S}/\text{cm}$ occurred at HBP. EC concentrations at HBP increased slightly from 519 $\mu\text{S}/\text{cm}$ to 563 $\mu\text{S}/\text{cm}$ as of September 23, 2009.

Bromide: Concentrations exceeded the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L at all locations. Bromide concentrations ranged from 0.08 mg/L to 0.29 mg/L. As of September 23, 2009, Barker Slough had the lowest concentration of 0.11 mg/L while the highest concentration of 0.29 mg/L occurred at HBP.

Turbidity: As of September 23, 2009, turbidity levels decreased at HBP and Barker Slough, but increased slightly at Devil Canyon. Turbidity levels ranged from 2.0 NTU to 39 NTU at the end of the week. On September 23, 2009, the lowest level of 2.0 NTU occurred at Devil Canyon while the highest level of 39 NTU occurred at Barker Slough. As of September 23, 2009, the levels at HBP decreased from 6.0 NTU to 3.9 NTU.

Dissolved Organic Carbon (DOC): Concentrations increased at Check 13 and Edmonston from September 16 to 23, 2009. DOC concentrations increased from 2.6 mg/L to 2.7 mg/L at Check 13 and from 1.7 mg/L to 2.0 mg/L at Edmonston, respectively. HBP had a DOC concentration of 2.3 mg/L on September 16 and again on September 23.

Taste and Odor Compounds: As of September 23, 2009, MIB and geosmin levels ranged from ND to 10 ng/L at Clifton Court Inlet and Outlet, HBP, Del Valle Check 7, San Luis Tower, Check 41, Pacheco Pumping Plant, O'Neill Forebay Outlet (Check 13), and Lake Mathews.

Ground water pump-ins to the California Aqueduct during September 16 to 23, 2009 totaled 3,962 AF. The break down of the total volume was:

- Arvin Edison Water Storage District = 3,942 AF
- Kern Water Bank Authority (who operate the Kern Water Bank Canal) = 13 AF
- Semitropic Water Storage District = 7 AF.

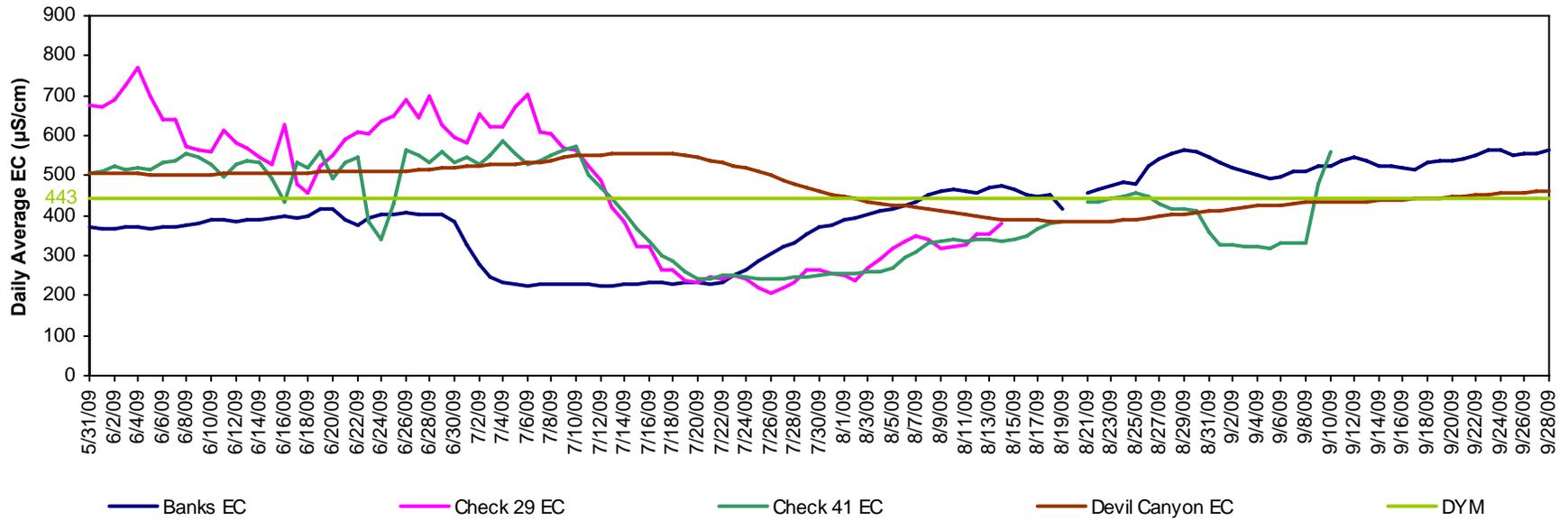
No data were unavailable for Checks 29, 41 and Vallecitos because of malfunctioning instruments.

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

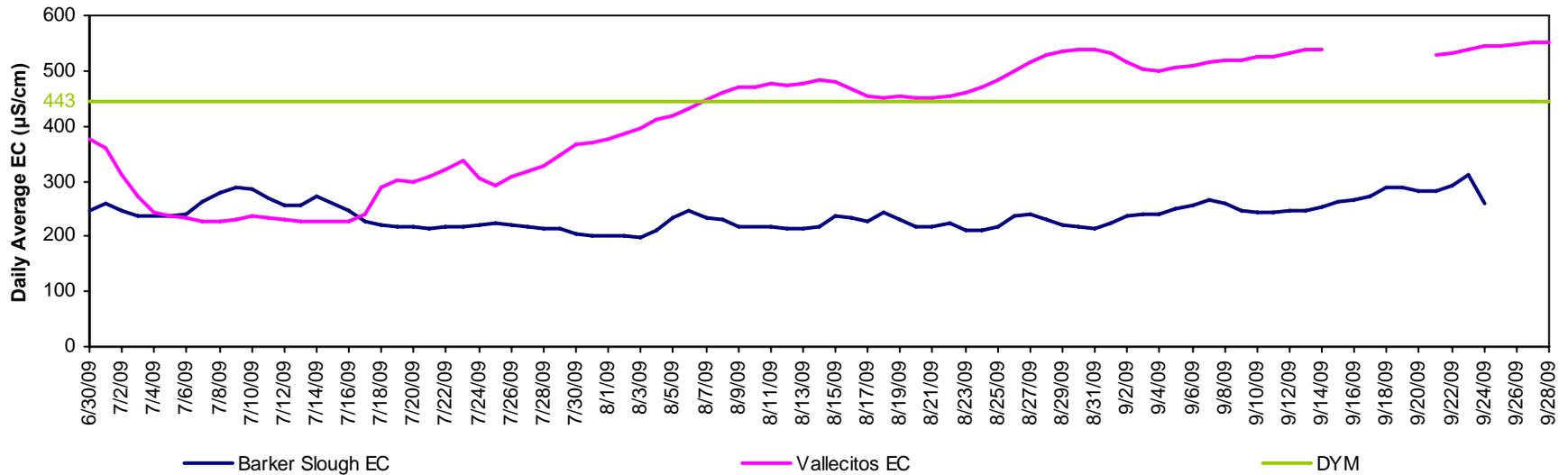
(SWP). Your comments, questions and suggestions are welcome and can be directed to Cindy Garcia @ 916-653-7213, or Austine Eke @ 916-653-7227. To view WQ data from the automated stations along the SWP, visit: http://www.water.ca.gov/swp/waterquality/AutostationData/Autostation_map.cfm, and click on a station name on the map to link to the station's data on the California Data Exchange Center (CDEC) website.

To view the Edmondston'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".

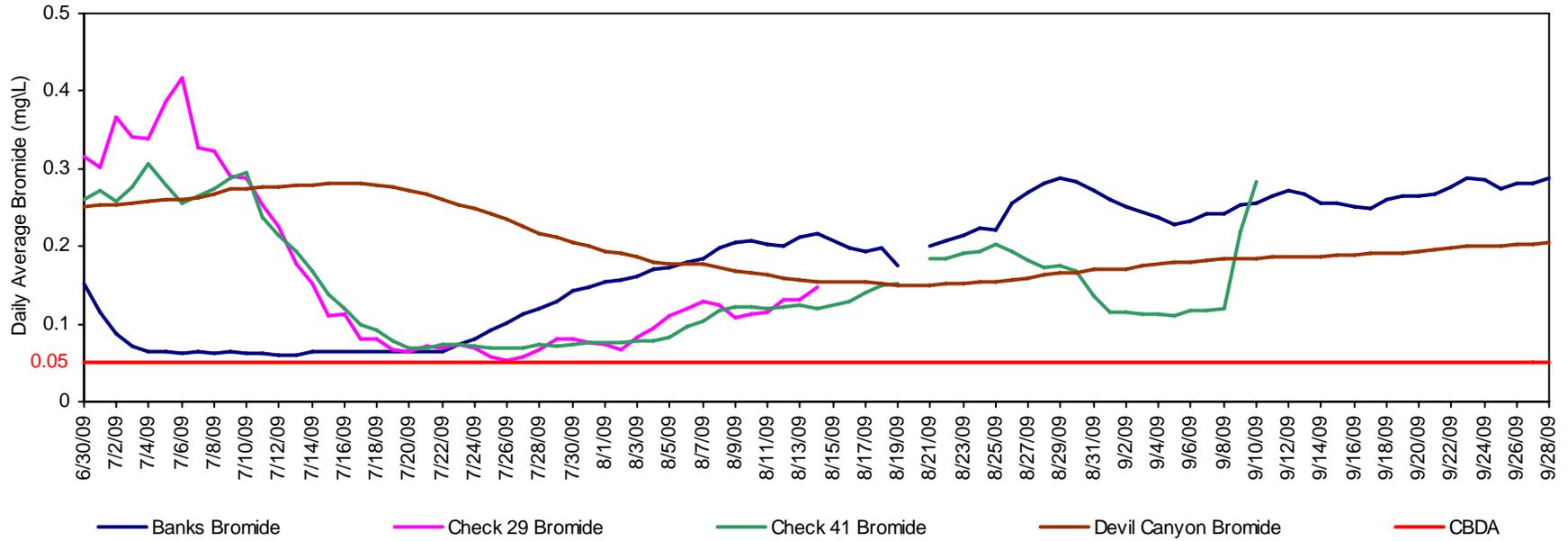
California Aqueduct - Electrical Conductivity



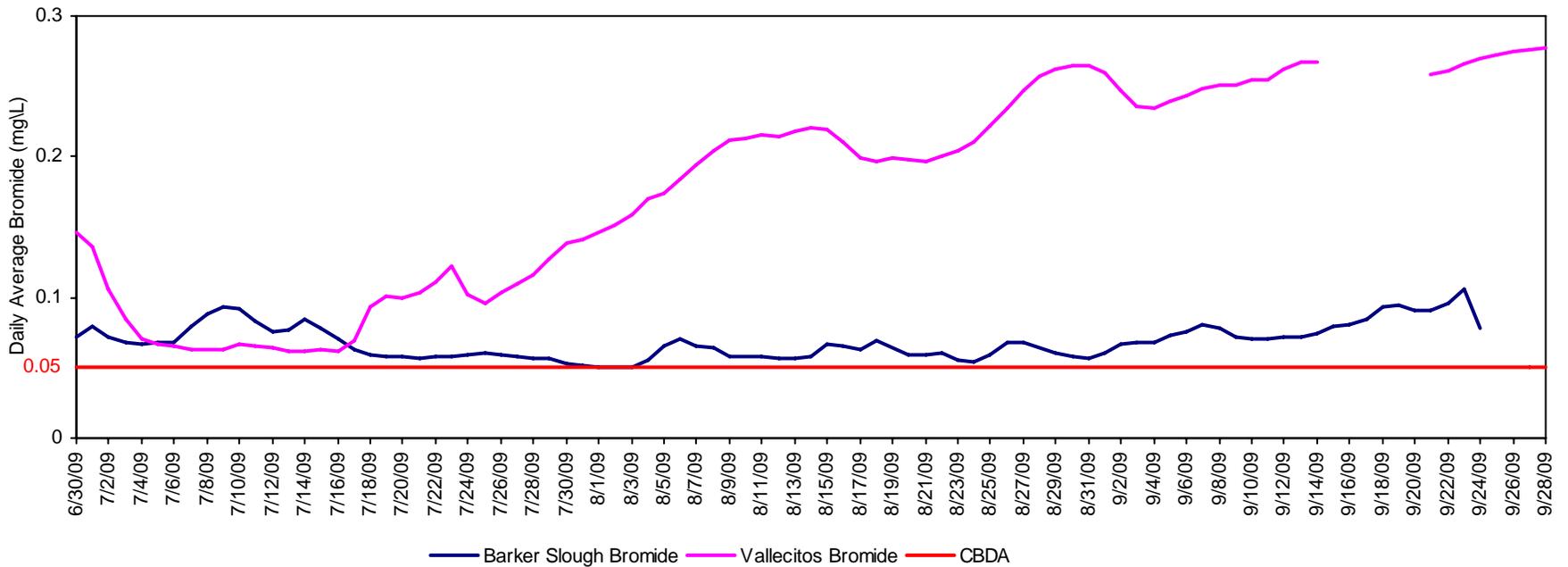
North and South Bay Aqueduct - Electrical Conductivity



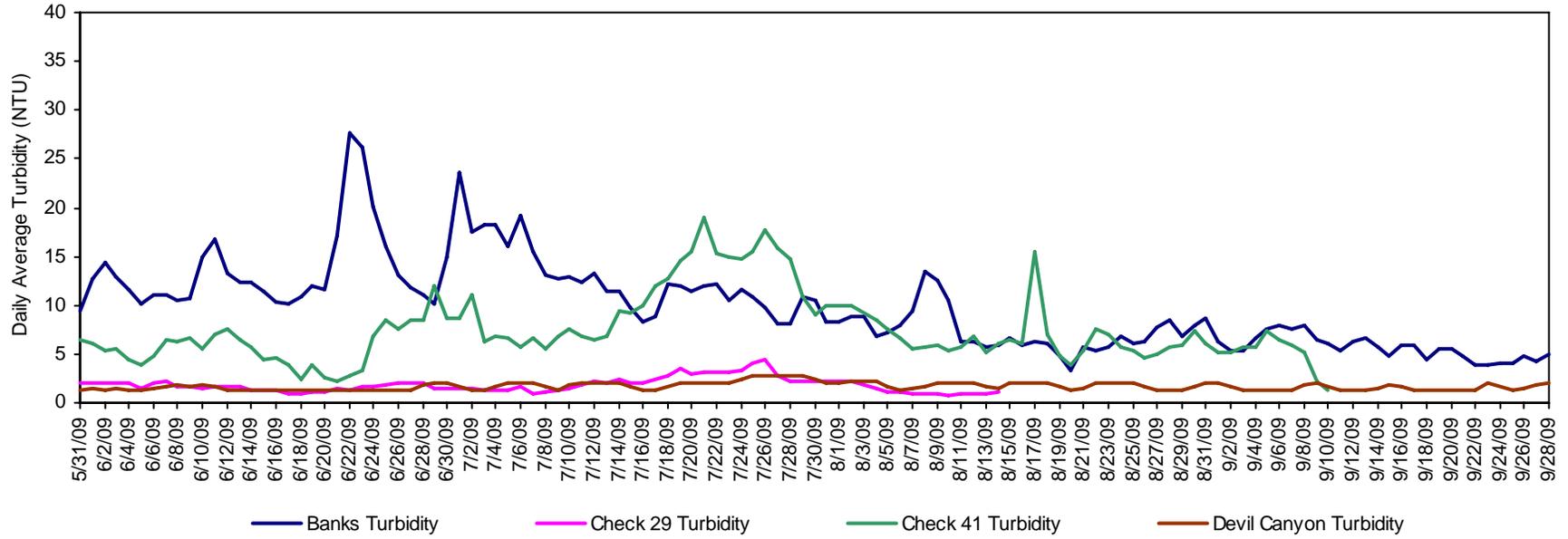
California Aqueduct - Calculated Bromide



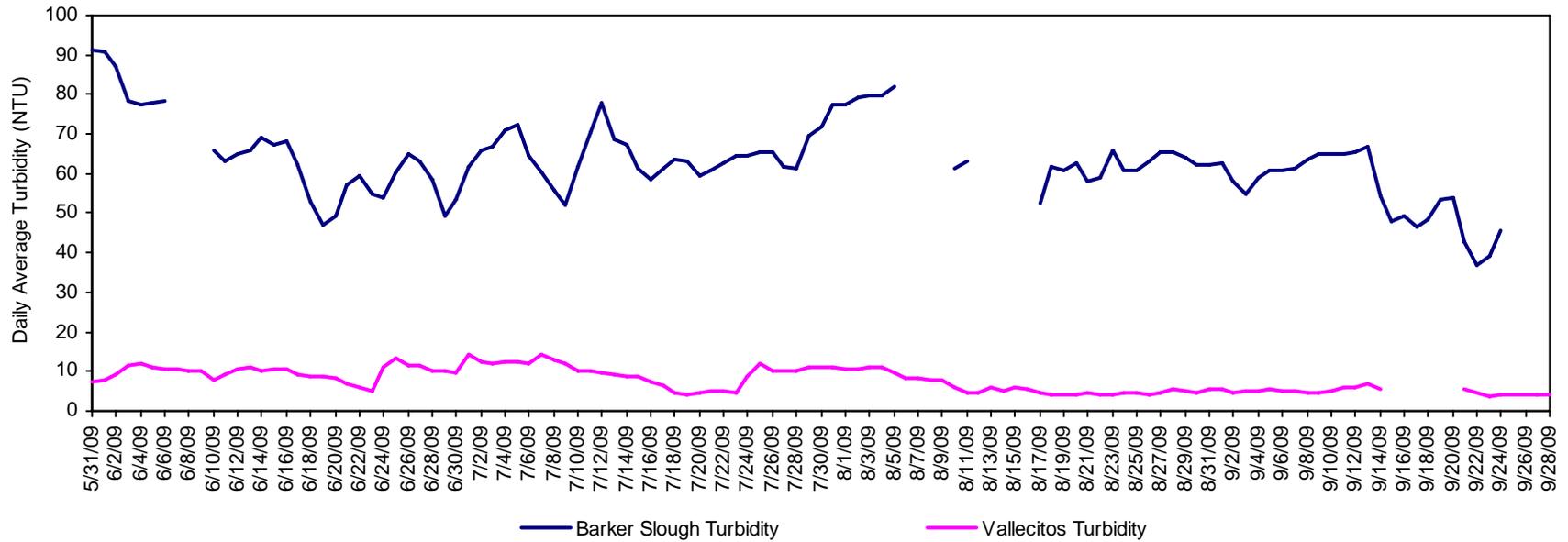
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct Calculated Dissolved Organic Carbon

