

# SWP Water Quality Summary

September 9 to 16, 2009

**Electrical Conductivity:** Concentrations decreased at Harvey O. Banks Pumping Plant (HBP), but increased at Devil Canyon, and Barker Slough, from September 9 to 16, 2009. Concentrations ranged from 247  $\mu\text{S}/\text{cm}$  to 523  $\mu\text{S}/\text{cm}$  (148 mg/L to 314 mg/L), below the Article 19 Monthly Average Objective of 440 mg/L (733  $\mu\text{S}/\text{cm}$ ). As of September 16, 2009, daily average concentrations varied at all the locations, with the lowest concentration of 265  $\mu\text{S}/\text{cm}$  occurring at Barker Slough, while the highest concentration of 519  $\mu\text{S}/\text{cm}$  occurred at HBP. EC concentrations at HBP decreased from 523  $\mu\text{S}/\text{cm}$  to 519  $\mu\text{S}/\text{cm}$ , as of September 16, 2009. No data were unavailable for Checks 29, 41 and Vallecitos because of malfunctioning instruments.

**Bromide:** Concentrations exceeded the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L at all locations. Bromide concentrations ranged from 0.07 mg/L to 0.25 mg/L. As of September 16, 2009, Barker Slough had the lowest concentration of 0.07 mg/L while the highest concentration of 0.25 mg/L occurred at HBP.

**Turbidity:** As of September 16, 2009, turbidity levels increased at HBP, but decreased at Devil Canyon and Barker Slough. Turbidity levels ranged from 1.6 NTU to 65.1 NTU this week. On September 16, 2009, the lowest level of 1.6 NTU occurred at Devil Canyon while the highest level of 49.2 NTU occurred at Barker Slough. As of September 16, 2009, the levels at HBP increased from 6.0 NTU to 6.5 NTU.

**Dissolved Organic Carbon (DOC):** Concentrations increased at Check 13, but decreased at HBP and Edmonston from September 9 to 16, 2009. DOC concentrations increased from 2.4 mg/L to 2.6 mg/L at Check 13, but decreased from 2.5 mg/L to 2.3 mg/L and from 3.9 mg/L to 1.7 mg/L at HBP and Edmonston, respectively.

**Taste and Odor Compounds:** As of September 16, 2009, MIB and geosmin levels ranged from 1 to 9 ng/L at Clifton Court Inlet and Outlet, HBP, Del Valle Check 7, Lake Del Valle Outlet, San Luis Reservoir, Pacheco Pumping Plant and O'Neill Forebay Outlet (Check 13).

Ground water pump-ins to the California Aqueduct during September 9 to 16, 2009 totaled 3,099 AF. The break down of the total volume was:

- Arvin Edison Water Storage District = 3,077 AF
- Kern Water Bank Authority (who operate the Kern Water Bank Canal) = 10 AF
- Semitropic Water Storage District = 12 AF.

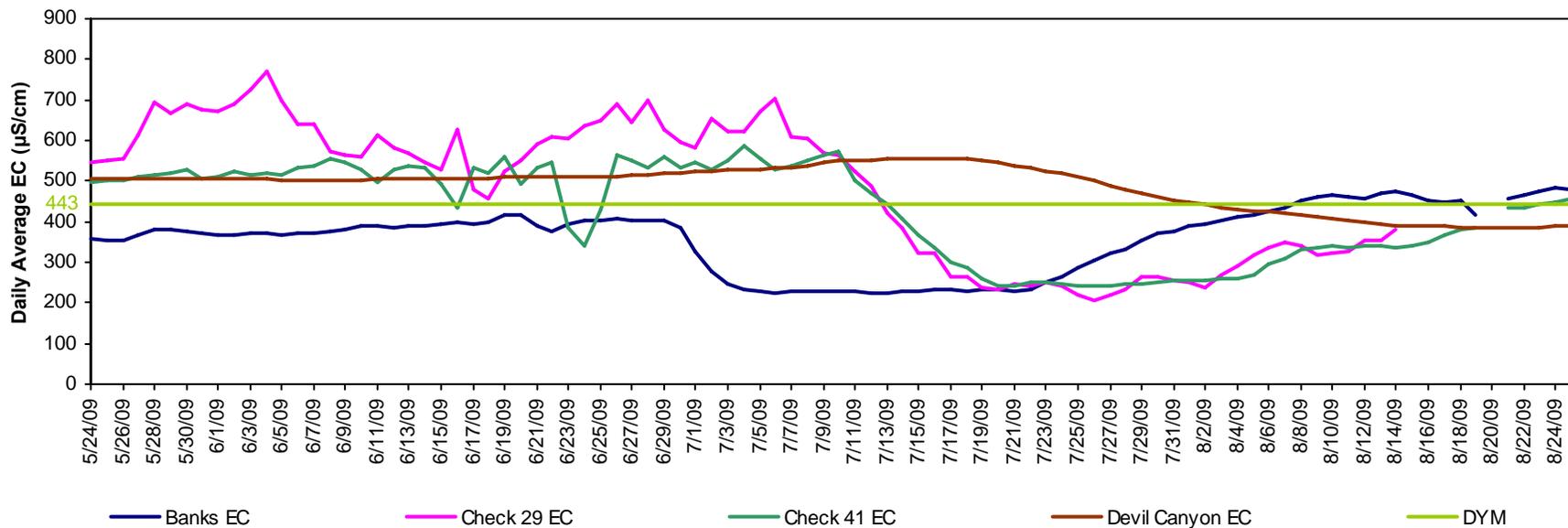
The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientists and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and can be directed to Cindy Garcia @ 916-653-7213, or Austine Eke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

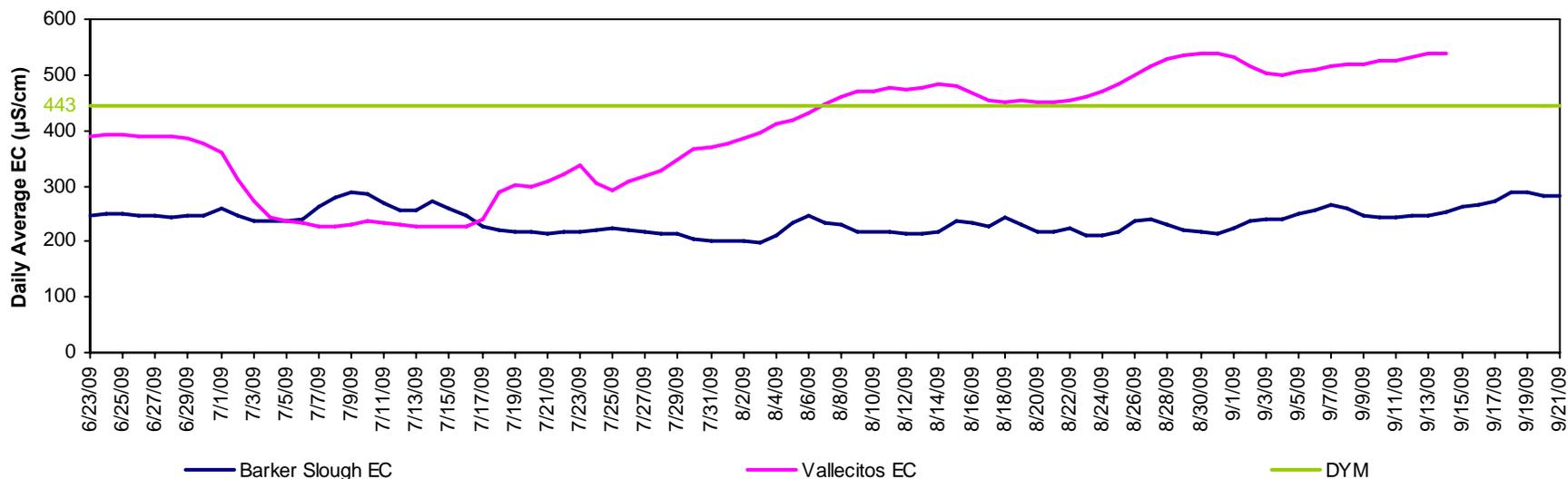
click on a station name on the map to link to the station's data on the California Data Exchange Center (CDEC) website.

To view the Edmondston'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".

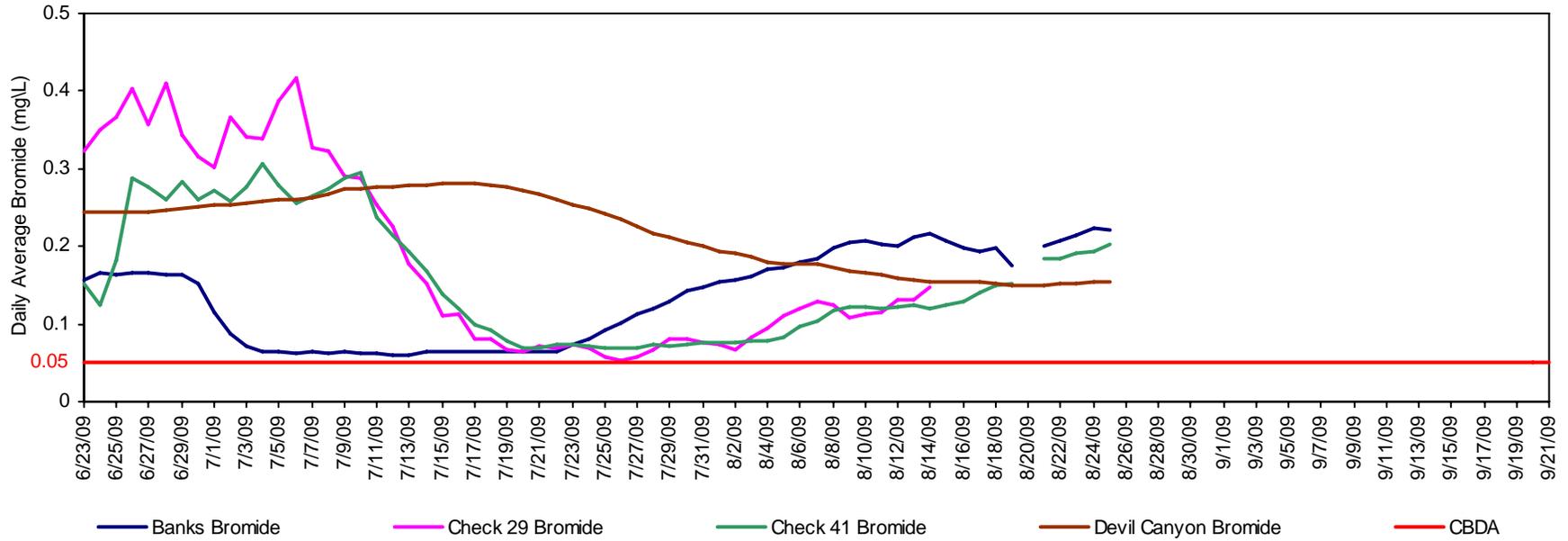
### California Aqueduct - Electrical Conductivity



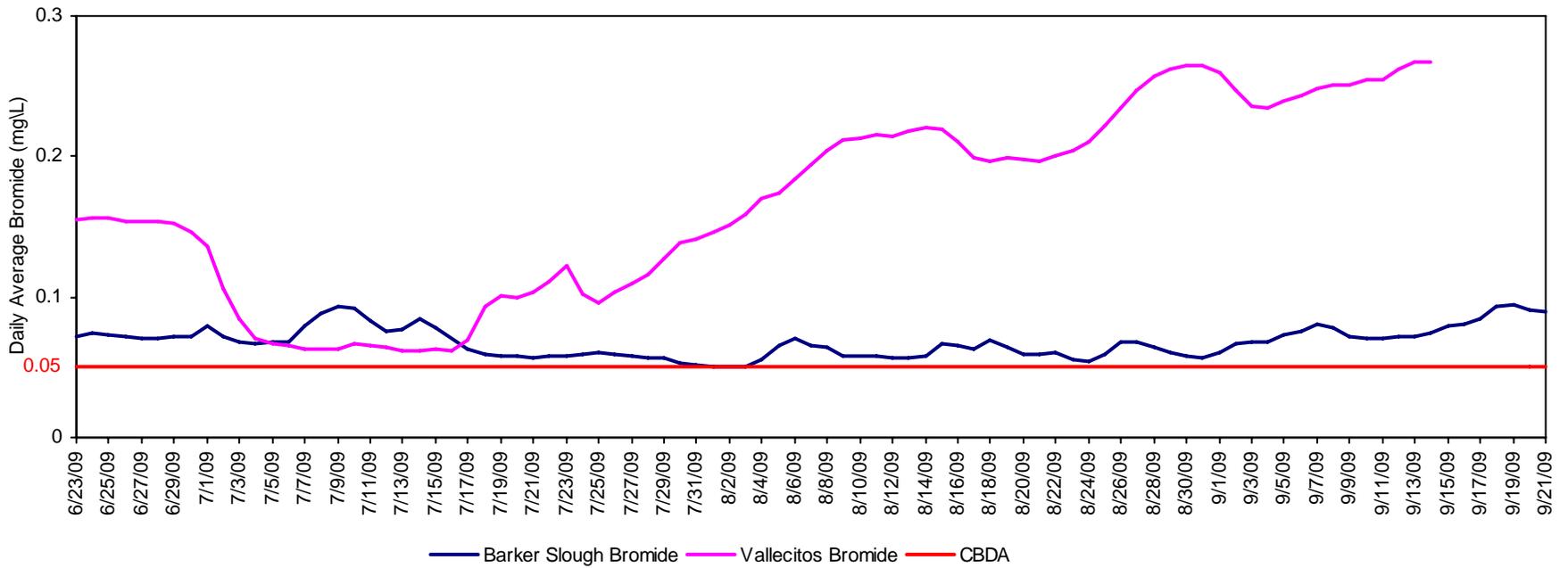
### North and South Bay Aqueduct - Electrical Conductivity



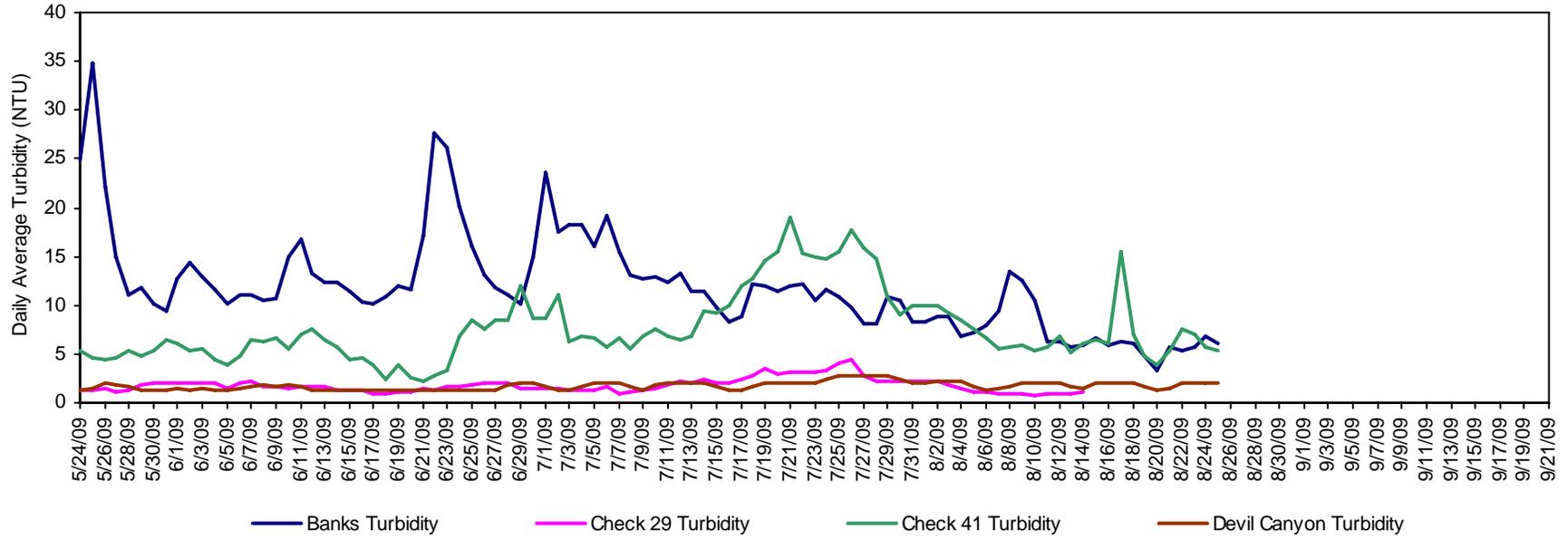
### California Aqueduct - Calculated Bromide



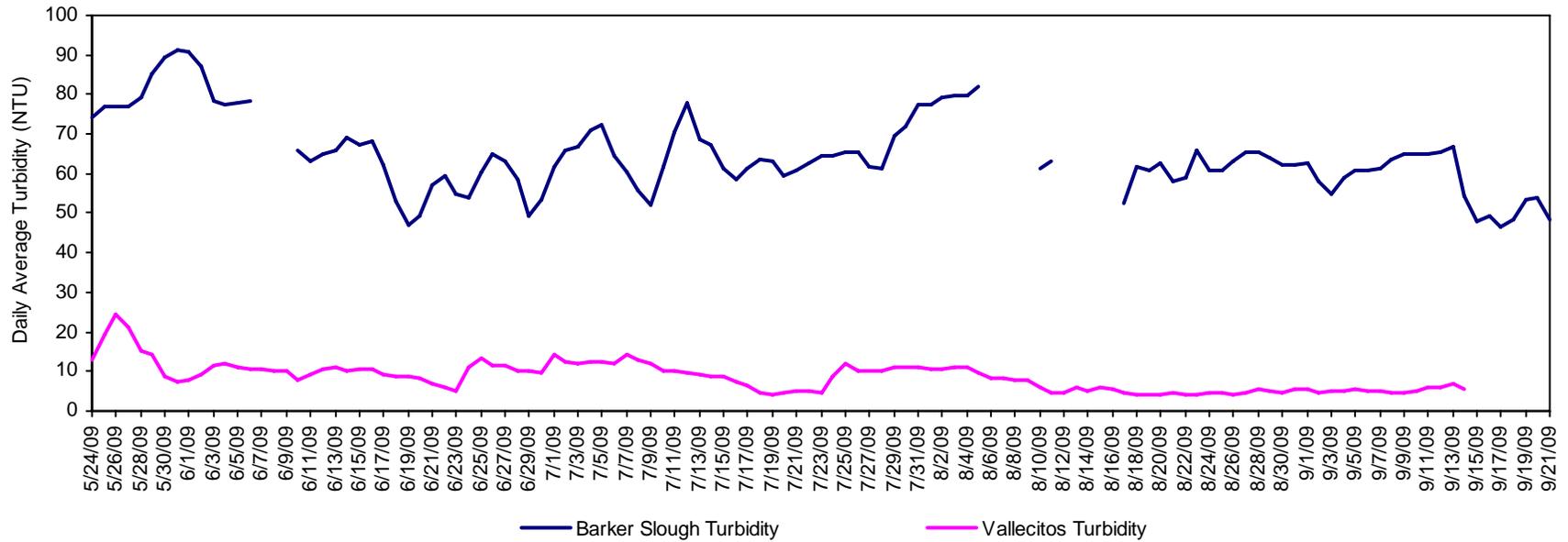
### North and South Bay Aqueduct - Calculated Bromide



### California Aqueduct - Turbidity



### North and South Bay Aqueduct - Turbidity



# California Aqueduct Calculated Dissolved Organic Carbon

