

SWP Water Quality Summary

August 26 to September 2, 2009

Electrical Conductivity: Concentrations increased at Devil Canyon and Vallecitos, but decreased at Check 41 and Barker Slough, from August 26 to September 2, 2009. Concentrations ranged from 234 $\mu\text{S}/\text{cm}$ to 525 $\mu\text{S}/\text{cm}$ (140 mg/L to 315 mg/L), below the Article 19 Monthly Average Objective of 440 mg/L (733 $\mu\text{S}/\text{cm}$). As of September 2, 2009, daily average concentrations varied at all the locations, with the lowest concentration of 234 $\mu\text{S}/\text{cm}$ at Barker Slough while the highest concentration of 525 $\mu\text{S}/\text{cm}$ occurred at HBP. EC concentrations at HBP remain unchanged at 525 $\mu\text{S}/\text{cm}$, as of September 2, 2009. No data were unavailable for Check 29 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 2, 2009, Barker Slough had the lowest concentration of 0.07 mg/L while the highest concentration of 0.25 mg/L occurred at Vallecitos.

Turbidity: As of September 2, 2009, turbidity levels increased at Check 41 and Vallecitos, but decreased at Devil Canyon and Barker Slough. Turbidity levels ranged from 1.6 NTU to 63.3 NTU this week. On September 2, 2009, the lowest level of 1.6 NTU occurred at Devil Canyon while the highest level of 62.5 NTU occurred at Barker Slough. In addition, as of September 2, 2009, the levels at HBP remain unchanged at 6.3 NTU.

Dissolved Organic Carbon (DOC): Concentrations increased at Check 13 and Edmonston from August 26 to September 2, 2009. DOC concentrations increased from 2.1 mg/L to 2.3 mg/L and from 2.9 mg/L to 3.2 mg/L at Check 13 and Edmonston, respectively. Concentrations at HBP were unchanged at 2.5 mg/L, as of September 2, 2009.

Taste and Odor Compounds: As of August 26, 2009, MIB and geosmin levels ranged from non-detect to 7 ng/L at Clifton Court Inlet and Outlet, HBP, Del Valle Check 7, O'Neill Forebay, Check 41, and Lakes Castaic.

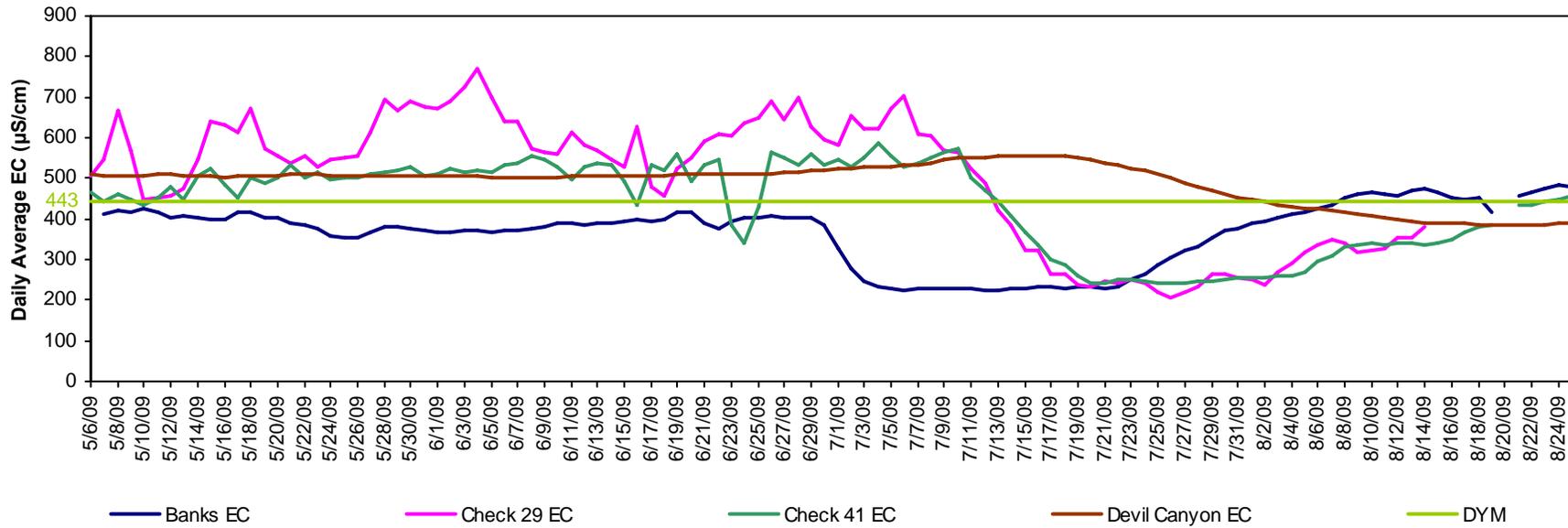
Ground water pump-ins to the California Aqueduct during August 19 to 26, 2009 totaled 2,557 AF. The break down of the total volume was:

- Arvin Edison Water Storage District = 328 AF
- Kern Water Bank Authority (who operate the Kern Water Bank Canal) = 1,776 AF
- Kern County Water Agency (who operate the Cross Valley Canal) = 427 AF
- Semitropic Water Storage District = 26 AF.

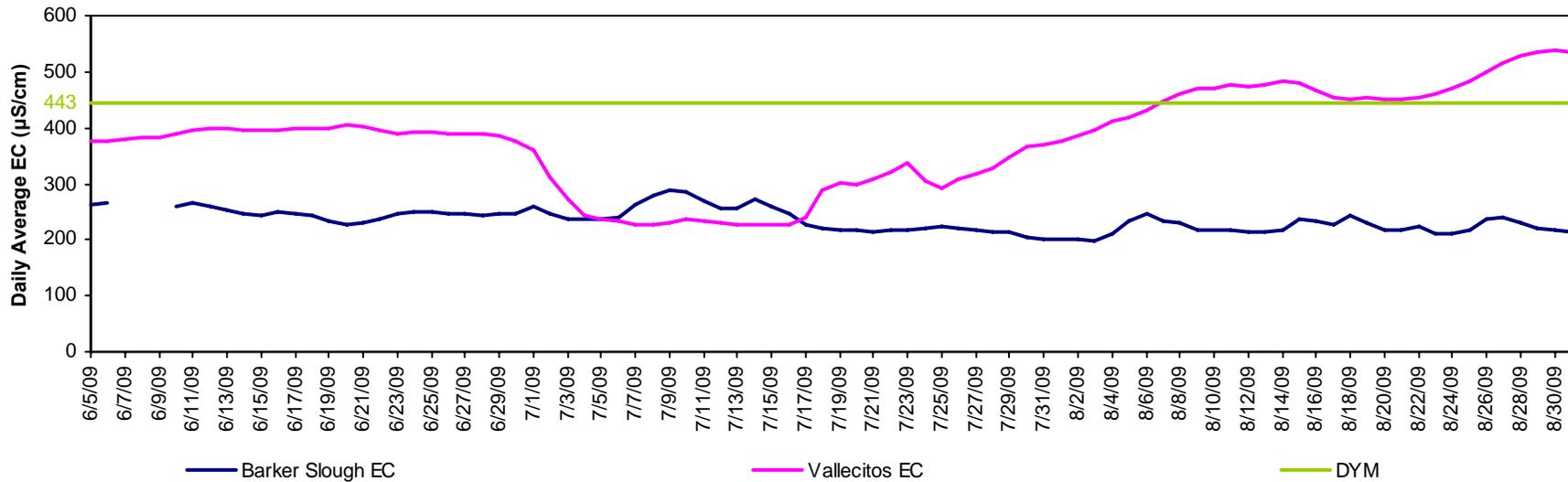
To gain prospective of the additions of pump-in waters to the SWP, DWR Operations & Maintenance, Operations Control Office (OCO) posts "Dispatcher's Daily Water Reports" at this link: [//swpoco.water.ca.gov/4dwr/indexi.html](http://swpoco.water.ca.gov/4dwr/indexi.html).

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.

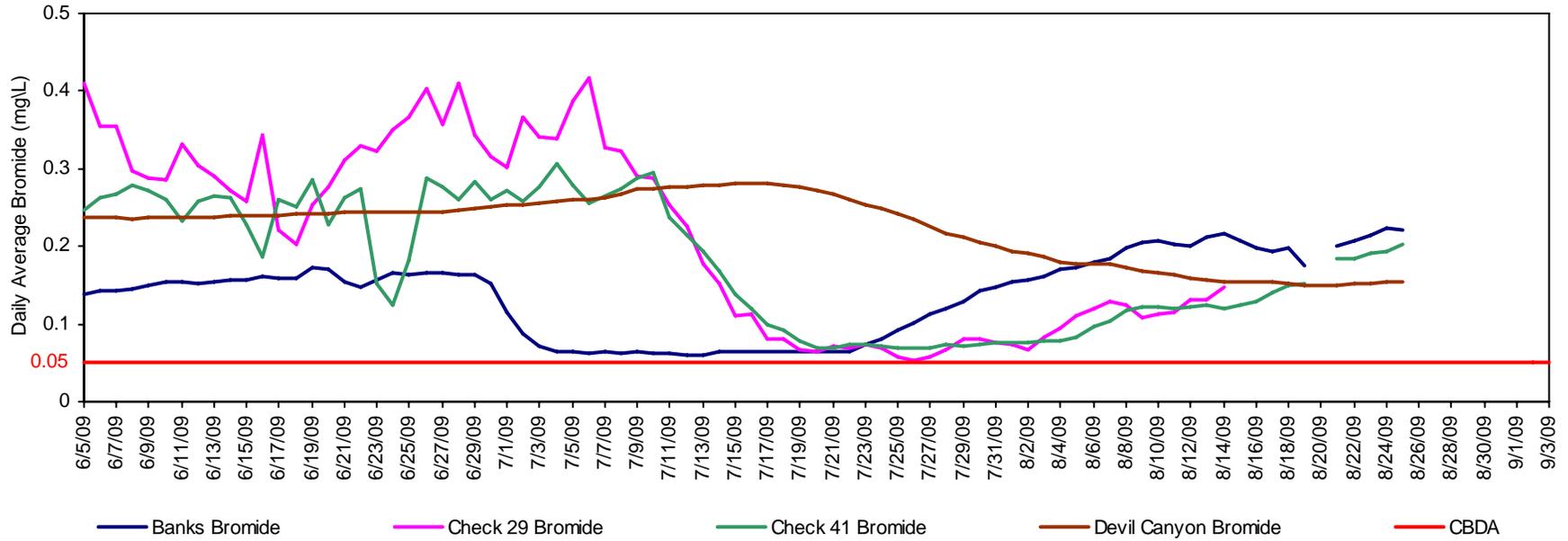
California Aqueduct - Electrical Conductivity



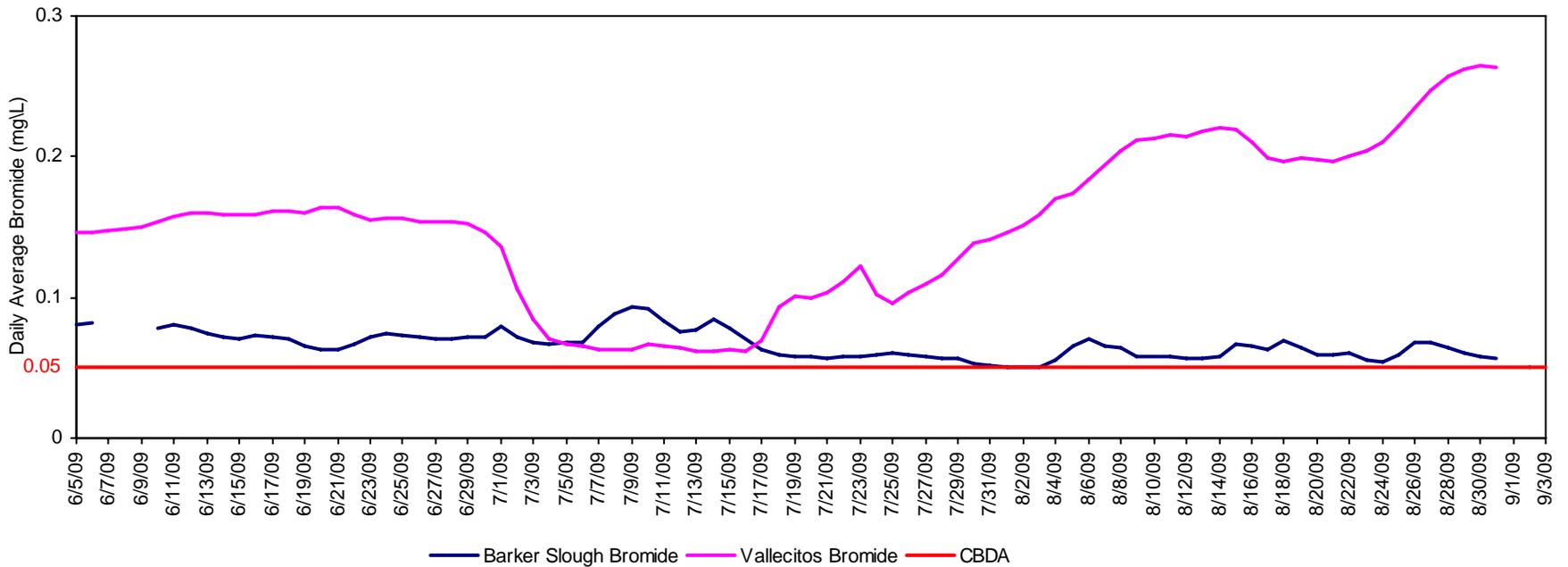
North and South Bay Aqueduct - Electrical Conductivity



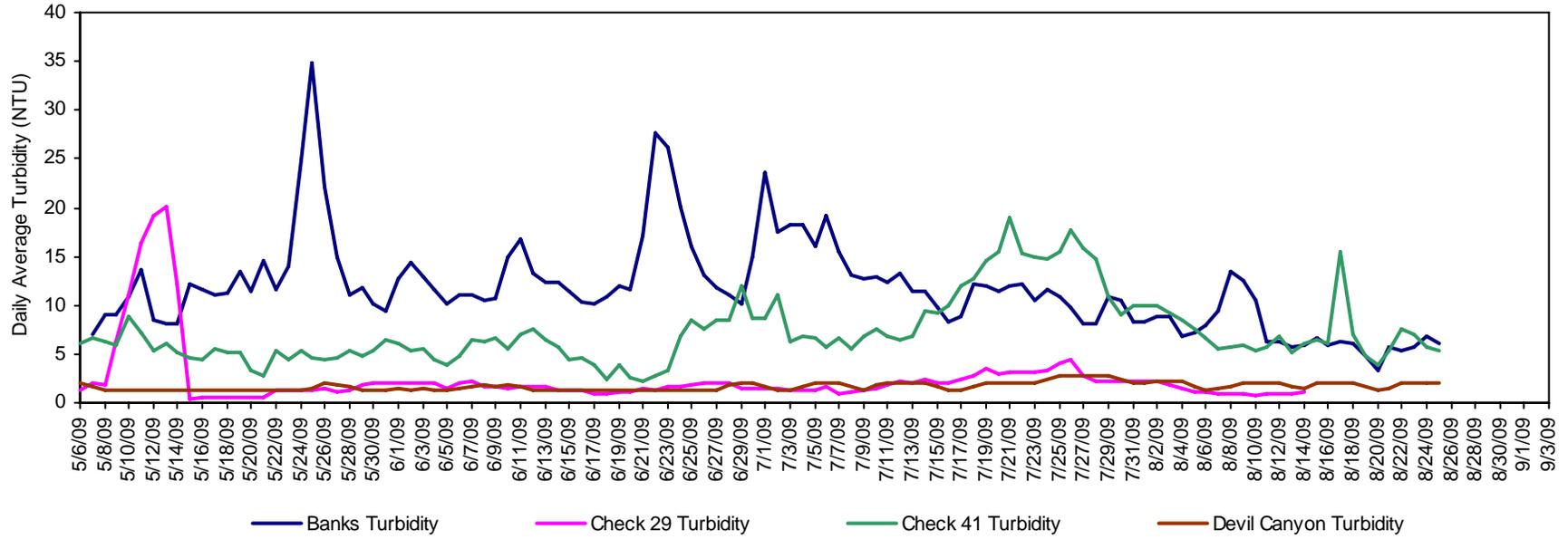
California Aqueduct - Calculated Bromide



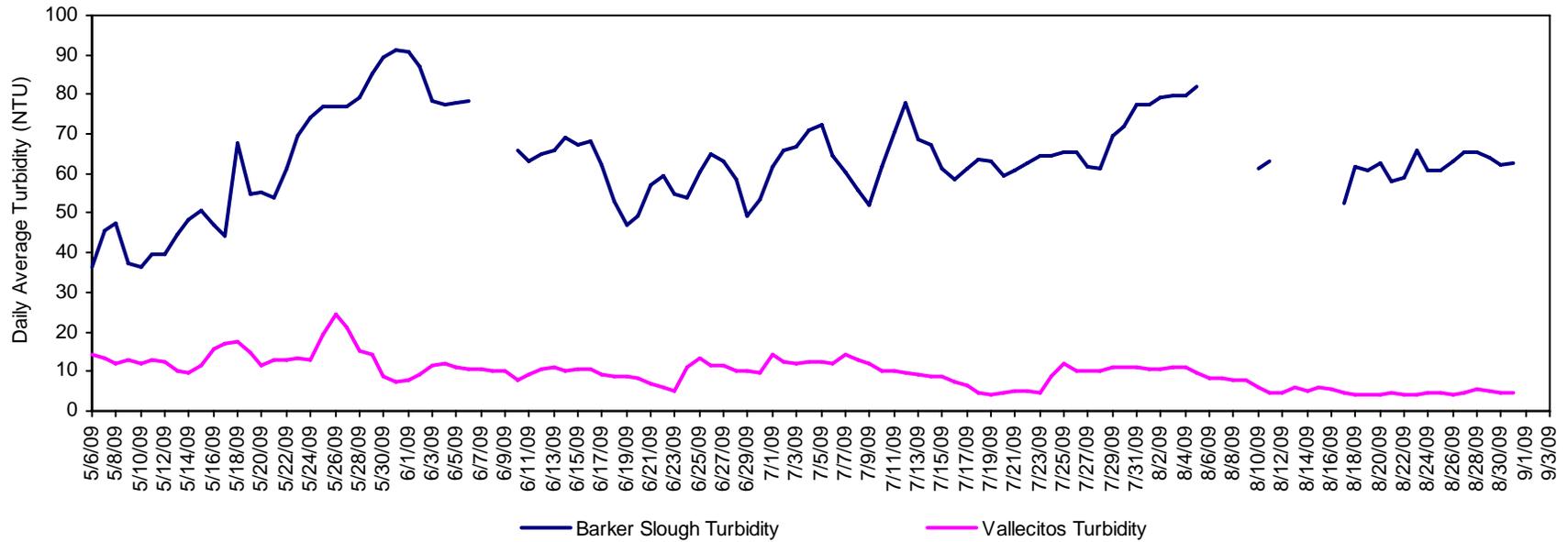
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct Calculated Dissolved Organic Carbon

