

# SWP Water Quality Summary

August 19 to 26, 2009

**Electrical Conductivity:** Concentrations increased at Harvey O. Banks Pumping Plant (HBP), Check 41, Devil Canyon, Barker Slough and Vallecitos, from August 19 to 26, 2009. Concentrations ranged from 231  $\mu\text{S}/\text{cm}$  to 525  $\mu\text{S}/\text{cm}$  (139 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 August 26, 2009, daily average concentrations varied at all the locations, with the lowest concentration of 238  $\mu\text{S}/\text{cm}$  at Barker Slough, while the highest concentration of 525  $\mu\text{S}/\text{cm}$  occurred at HBP. EC concentrations at HBP increased from 415  $\mu\text{S}/\text{cm}$  to 425  $\mu\text{S}/\text{cm}$ , as of August 26, 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 0.26 mg/L. As of August 26, 2009, Barker Slough had the lowest concentration of 0.07 mg/L while the highest concentration of 0.26 mg/L occurred at HBP.

**Turbidity:** As of August 26, 2009, turbidity levels increased at HBP, Devil Canyon and Vallecitos, but decreased at Check 41 and Barker Slough. Turbidity levels ranged from 1.6 NTU to 120.0 NTU this week. On August 26, 2009, the lowest level of 1.7 NTU occurred at Devil Canyon while the highest level of 63.3 NTU occurred at Barker Slough. In addition, as of August 26, 2009, the levels at HBP increased from 4.8 NTU to 6.3 NTU.

**Dissolved Organic Carbon (DOC):** Concentrations increased at HBP and Edmonston from August 19 to 26, 2009. DOC concentrations increased from 2.0 mg/L to 2.5 mg/L and from 2.7 mg/L to 2.9 mg/L at HBP and Edmonston, respectively. Concentrations at Check 13 were unchanged at 2.1 mg/L, as of August 26, 2009.

**Taste and Odor Compounds:** As of August 26, 2009, MIB and geosmin levels ranged from non-detect to 18 ng/L at Clifton Court Inlet and Outlet and Lakes Castaic, Mathews, Skinner and Perris.

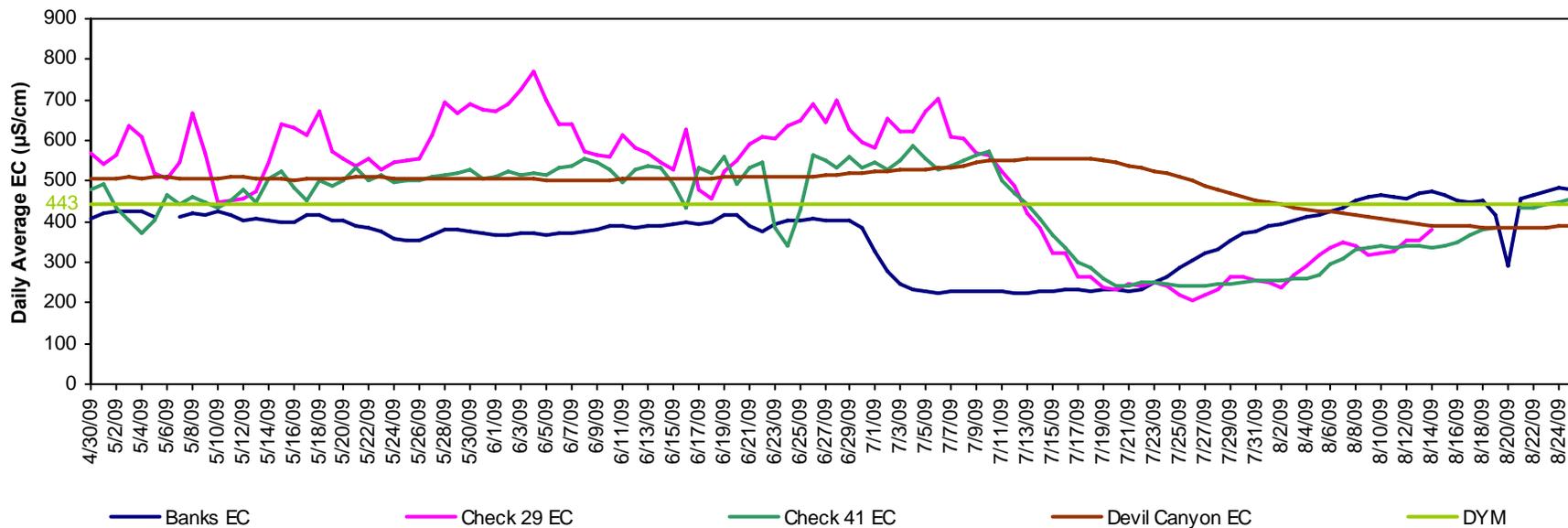
Ground water pump-ins to the California Aqueduct during August 19 to 26, 2009 totaled 4,614 AF. The break down of the total volume was:

- Arvin Edison Water Storage District = 1 AF
- Kern Water Bank Authority (who operate the Kern Water Bank Canal) = 1,765 AF
- Kern County Water Agency (who operate the Cross Valley Canal) = 427 AF
- Semitropic Water Storage District = 9 AF.

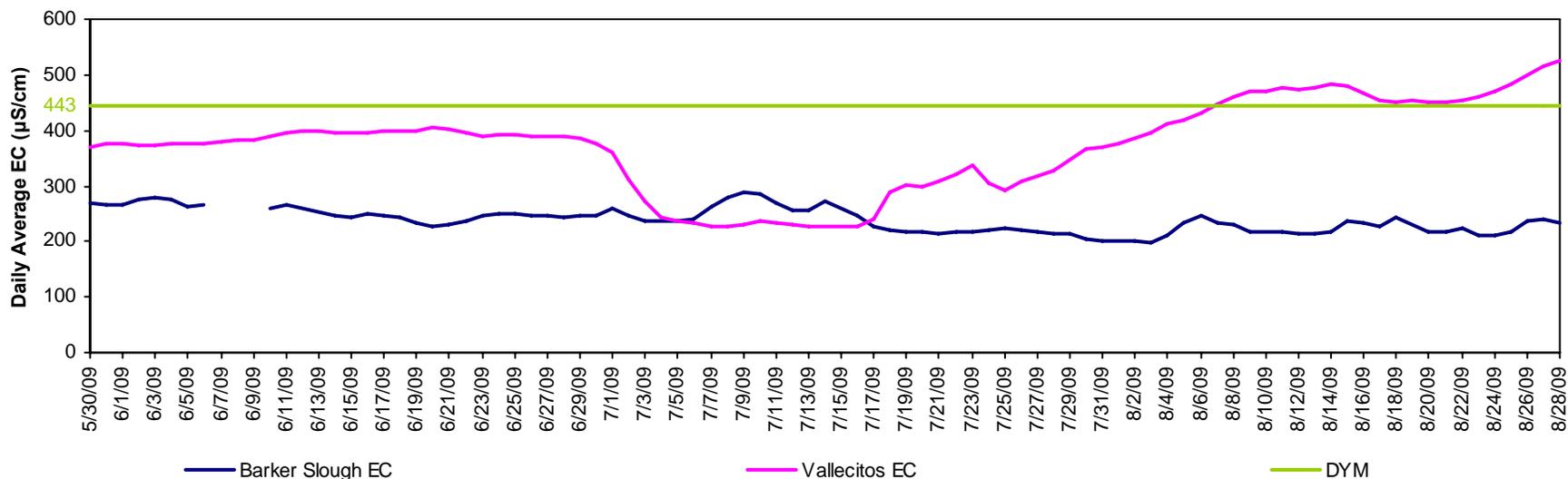
To gain prospective of the additions of pump-in waters to the SWP, DWR Operations & Maintenance, Operations Control Office (OCO) posts "Dispatcher's Daily Water Reports" at this link: [//swpoco.water.ca.gov/4dwr/indexi.html](http://swpoco.water.ca.gov/4dwr/indexi.html).

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](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.

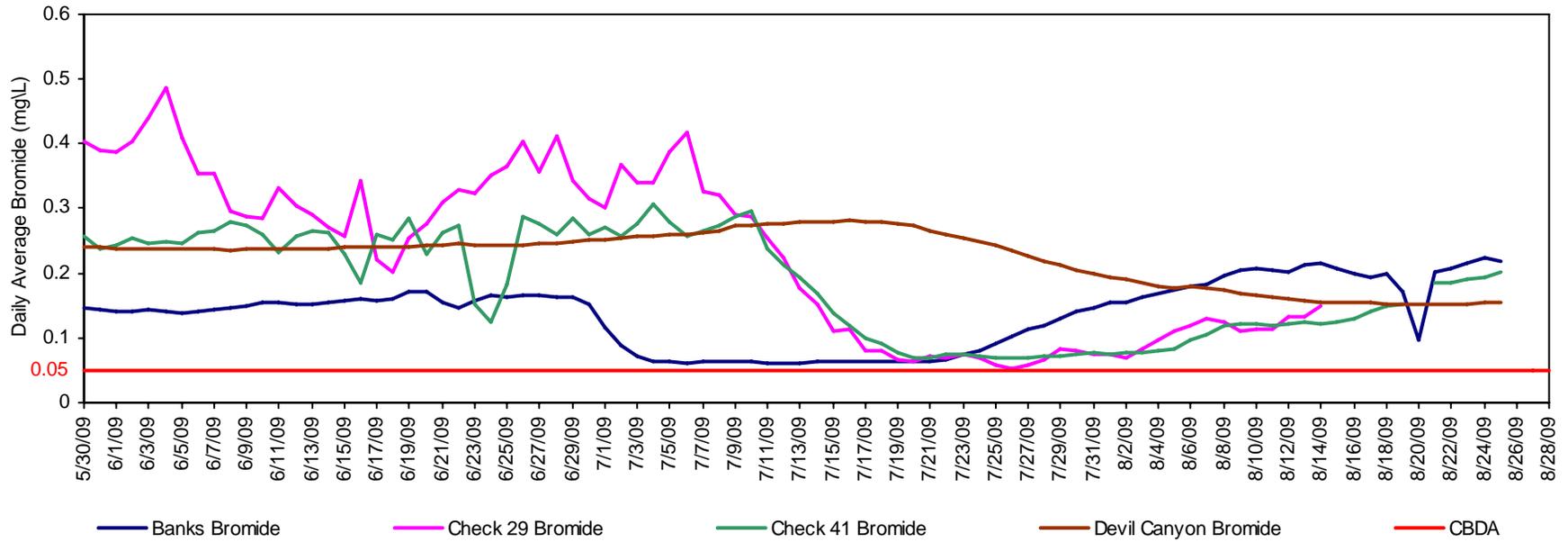
### California Aqueduct - Electrical Conductivity



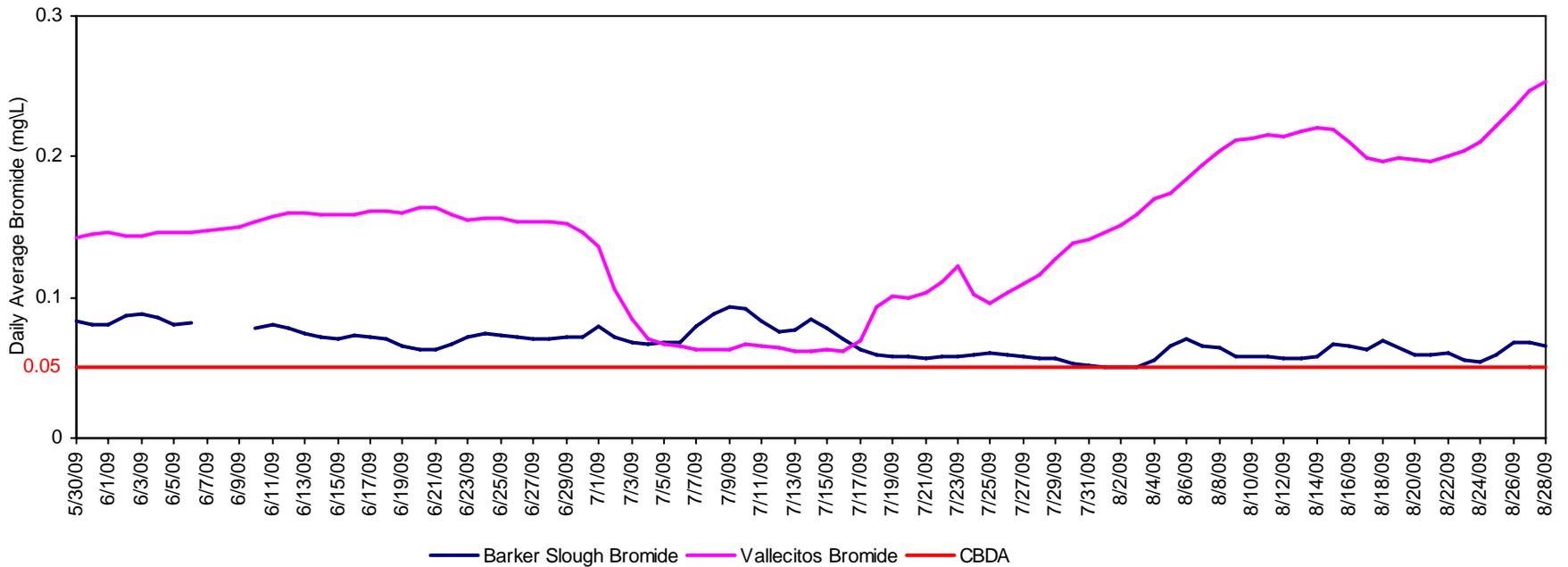
### North and South Bay Aqueduct - Electrical Conductivity



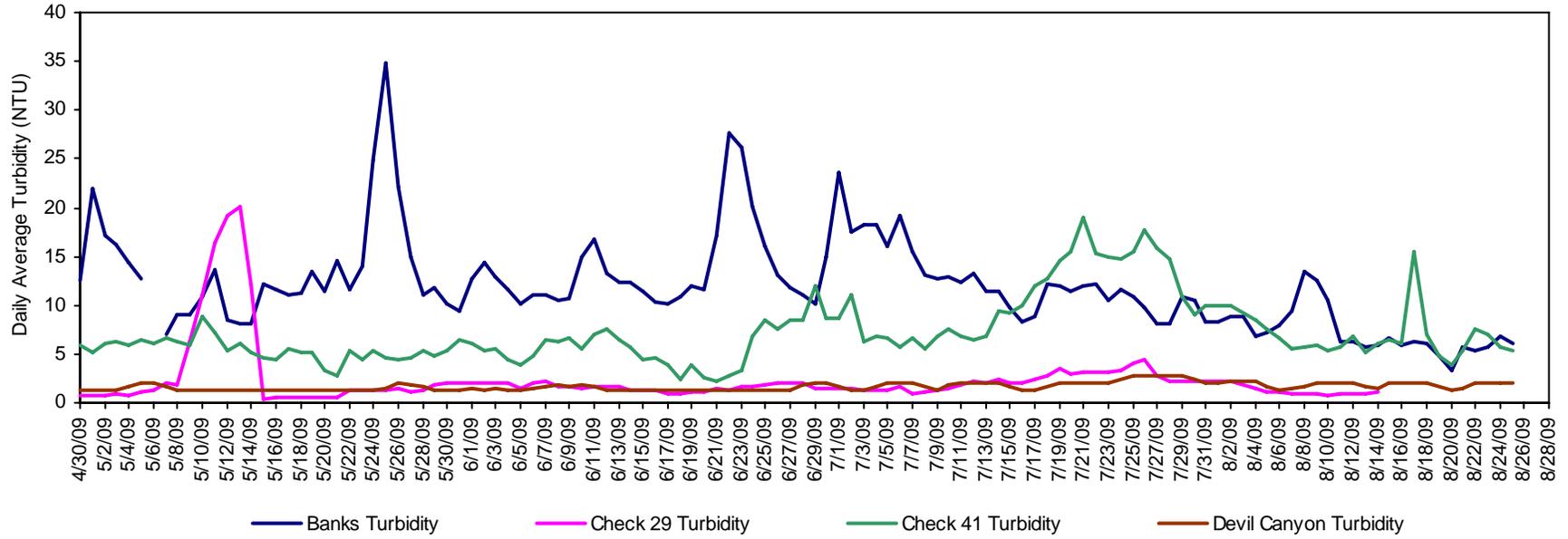
### California Aqueduct - Calculated Bromide



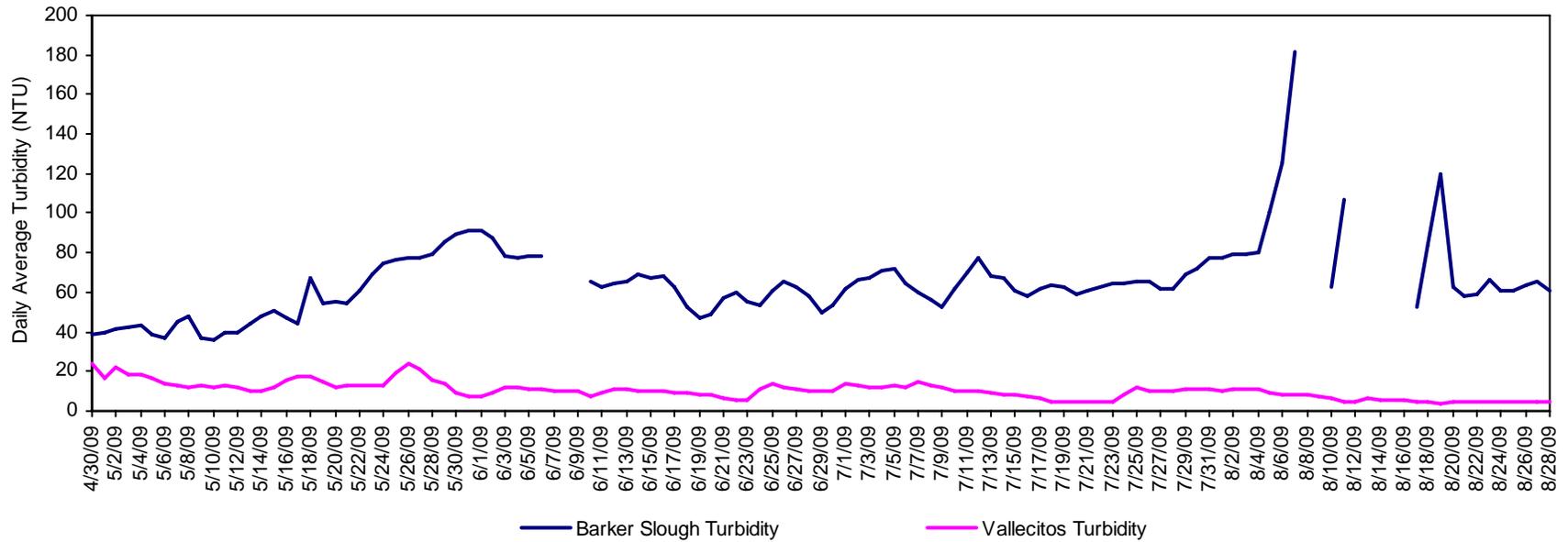
### North and South Bay Aqueduct - Calculated Bromide



### California Aqueduct - Turbidity



### North and South Bay Aqueduct - Turbidity



# California Aqueduct Calculated Dissolved Organic Carbon

