SWP Water Quality Summary

August 5 to 12, 2009

Electrical Conductivity: Concentrations increased at all locations except Devil Canyon and Barker Slough from August 5 to 12, 2009. Concentrations ranged from 213 µS/cm to 473 µS/cm (128 mg/L to 284 mg/L), below the Article 19 Monthly Average Objective of 440 mg/L (733 µS/cm). As of August 12, 2009, daily average concentrations varied at all the locations, with the lowest and highest concentrations of 213 µS/cm and 473 µS/cm occurring at Barker Slough and Vallecitos, respectively. EC concentrations at Harvey O. Banks Pumping Plant (HBP) increased from 416 µS/cm to 457 µS/cm, as of August 12, 2009.

Bromide: Concentrations exceeded the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L at all locations. Bromide concentrations ranged from 0.06 mg/L to 0.21 mg/L. As of August 12, 2009, Barker Slough had the lowest concentration of 0.06 mg/L, followed by Check 41 with 0.12 mg/L, while the highest concentration of 0.21 mg/L occurred at Vallecitos.

Turbidity: As of August 12, 2009, turbidity levels decreased at all locations except Devil Canyon. Turbidity levels ranged from 0.95 NTU to 100.5 NTU this week. On August 12, 2009, the lowest level of 0.95 NTU occurred at Check 29 while the highest level of 6.4 NTU occurred at Check 41. Also, as of August 12, 2009, the levels at HBP decreased from 7.1 NTU to 6.2 NTU.

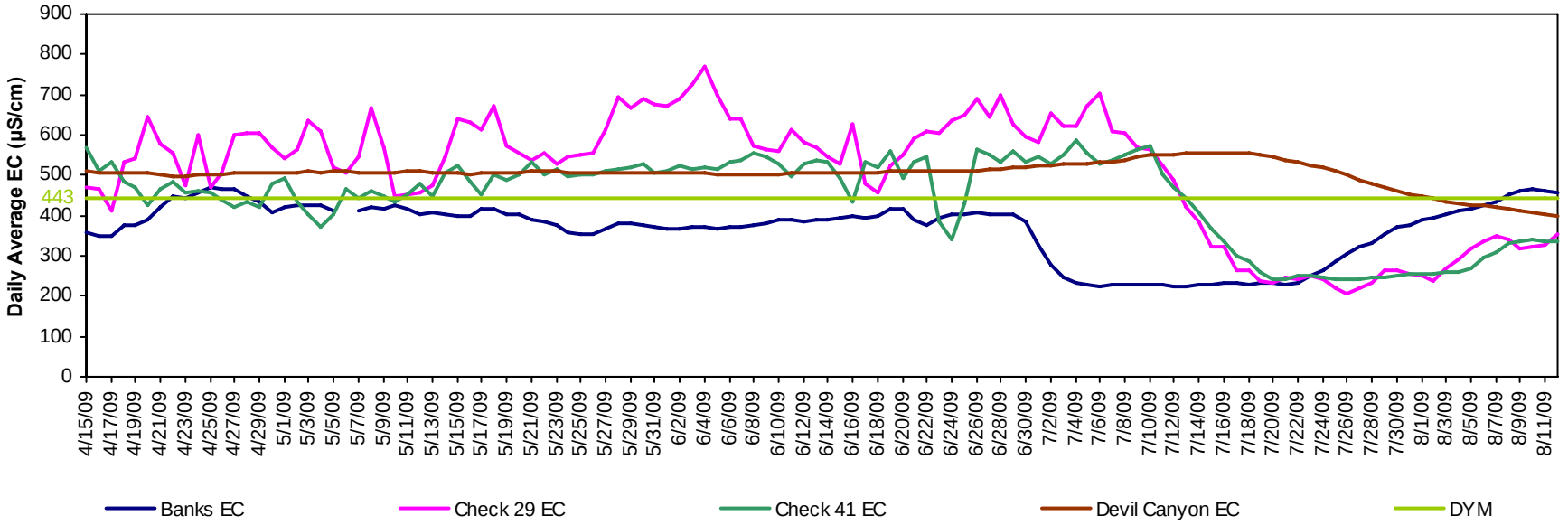
Dissolved Organic Carbon (DOC): Concentrations increased at all locations from August 5 to 12, 2009. DOC concentrations increased from 2.2 mg/L to 2.3 mg/L at HBP and Check 13 and from 2.3 mg/L to 2.7 mg/L at Edmonston.

Taste and Odor Compounds: MIB and geosmin levels ranged from non-detect to 12 ng/L at Clifton Court Inlet and Outlet, HBP, Del Valle Check 7, Check 41, Check 66, Castaic Lake, Silverwood Lake, and Lake Perris during August 5 to 12, 2009.

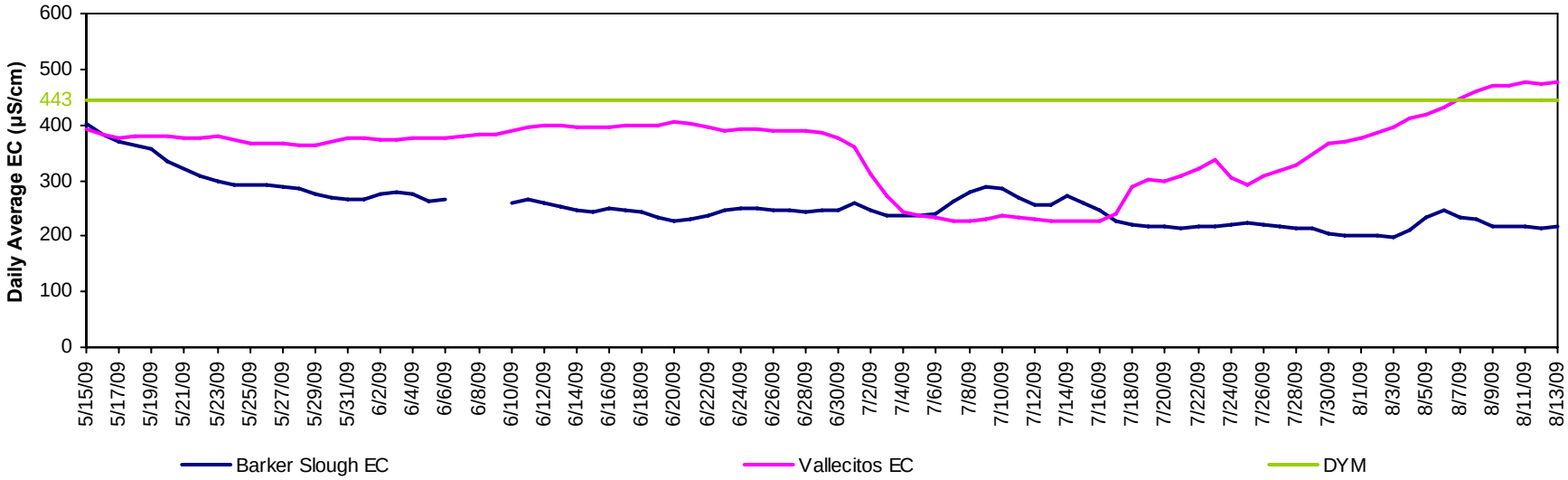
Ground water pump-ins to the California Aqueduct from Arvin Edison Water Storage District, Kern Water Bank Authority (who operate the Kern Water Bank Canal), Kern County Water Agency (who operate the Cross Valley Canal) and Semitropic Water Storage District totaled 6,609 AF during August 5 to 12, 2009.

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.

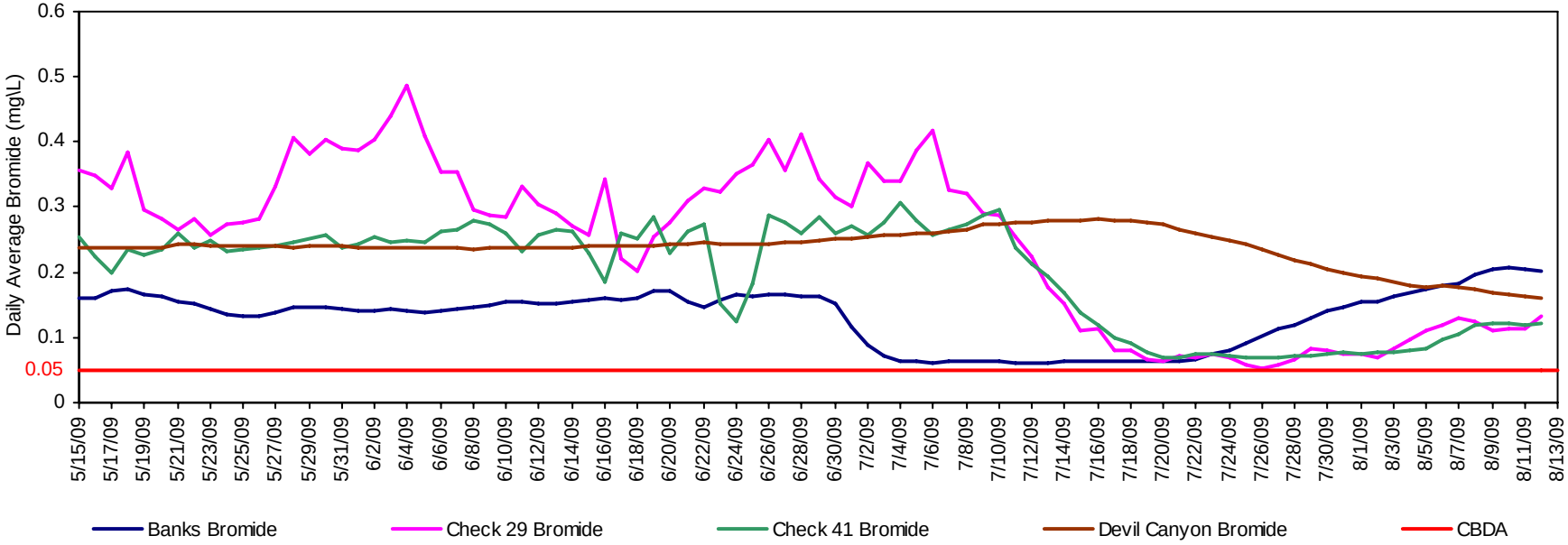
California Aqueduct - Electrical Conductivity



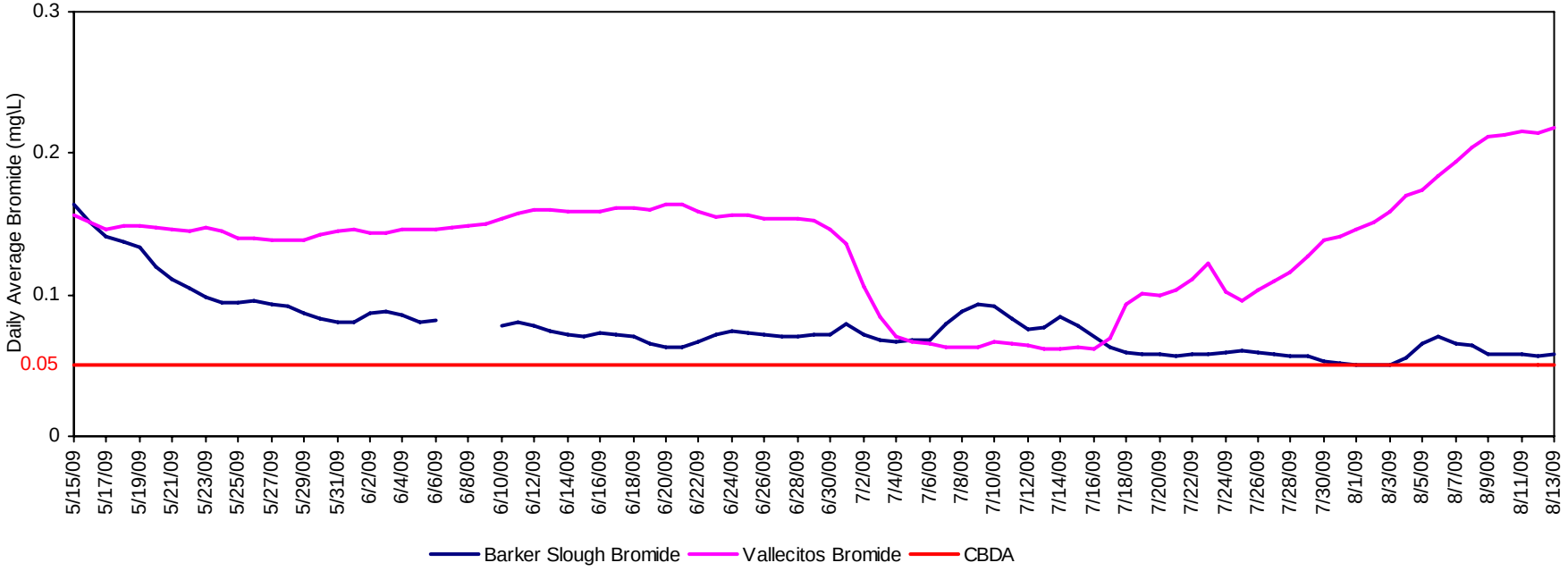
North and South Bay Aqueduct - Electrical Conductivity



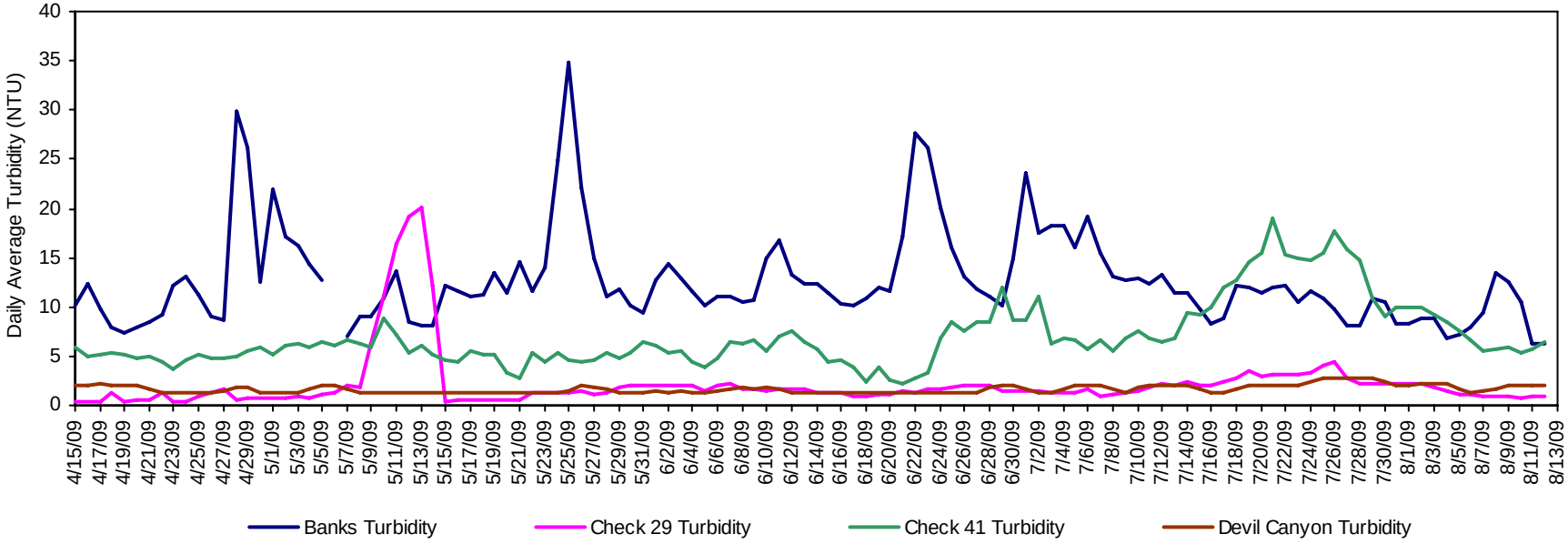
California Aqueduct - Calculated Bromide



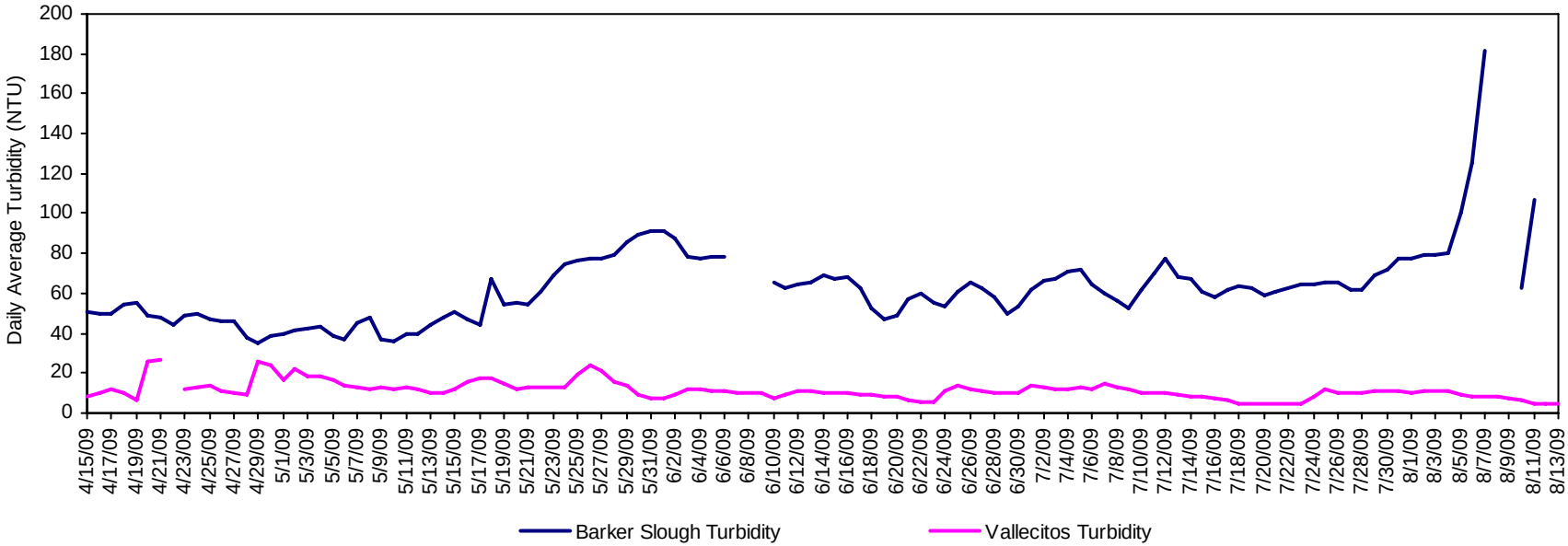
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct
Calculated Dissolved Organic Carbon