

SWP Water Quality Summary

July 8 to 15, 2009

Electrical Conductivity: Concentrations decreased at Check 29, Check 41 and Barker Slough, but increased at Devil Canyon from July 8 to July 15, 2009. Concentrations ranged from 228 $\mu\text{S}/\text{cm}$ to 603 $\mu\text{S}/\text{cm}$ (137 mg/L to 362 mg/L), below the Article 19 Monthly Average Objective of 440 mg/L (733 $\mu\text{S}/\text{cm}$). As of July 15, 2009, daily average concentrations varied at all the locations, with the lowest and highest concentrations of 228 $\mu\text{S}/\text{cm}$ and 556 $\mu\text{S}/\text{cm}$ occurring at Vallecitos and Devil Canyon, respectively. In addition, as of July 15, 2009, the Banks Pumping Plant (BPP) and Vallecitos EC concentrations were unchanged at 229 $\mu\text{S}/\text{cm}$ and 228 $\mu\text{S}/\text{cm}$.

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 0.32 mg/L. As of July 15, BPP and Vallecitos had the lowest concentration of 0.06 mg/L, followed by Barker Slough with 0.08 mg/L, while the highest concentration of 0.28 mg/L occurred at Devil Canyon.

Turbidity: Turbidity levels increased at Check 29, Check 41, Devil Canyon and Barker Slough, but decreased at BPP and Vallecitos from July 8 to July 15, 2009. Turbidity levels ranged from 1.0 NTU to 61.2 NTU this week. On July 15, 2009, the lowest level of 2.0 NTU occurred at Devil Canyon while the highest level of 61.2 NTU occurred at Barker Slough. As of July 15, 2009, the level at BPP decreased from 13.1 NTU to 9.8 NTU.

Dissolved Organic Carbon (DOC): Concentrations varied at all locations from July 8 to July 15, 2009. DOC concentrations decreased from 3.0 mg/L to 2.7 mg/L at BPP and from 3.4 mg/L to 2.4 mg/L at Check 13, but increased at Edmonston from 2.4 mg/L to 2.9 mg/L, as of July 15, 2009.

Taste and Odor Compounds: MIB and geosmin levels ranged from non-detect to 14 ng/L at Clifton Court Outlet, BPP, Del Valle Check 7, O'Neill Forebay, Check 41, Check 66, Castaic Lake, Silverwood Lake and Lake Perris, during July 5 to 7, 2009.

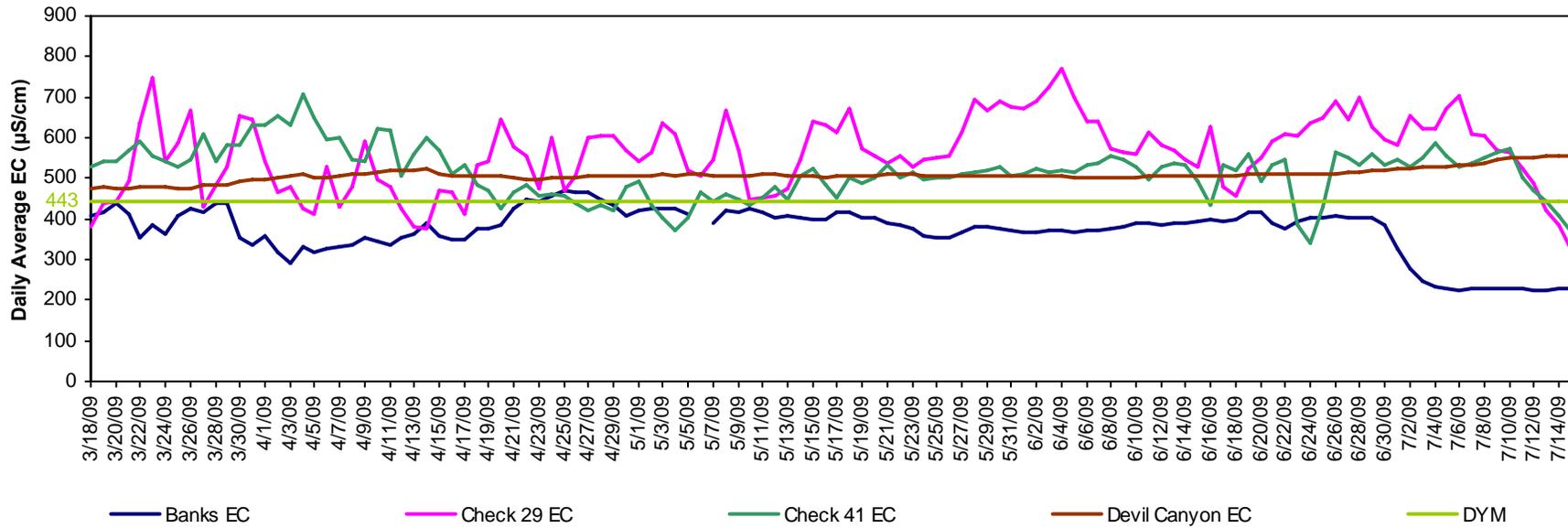
Ground water pump-ins to the California Aqueduct from Arvin Edison Water Storage District, Kern Water Bank Authority (who operate the Kern Water Bank Canal), Kern County Water Agency (who operate the Cross Valley Canal) and Semitropic Storage District totaled 7,682 AF during July 8 to July 15, 2009.

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:

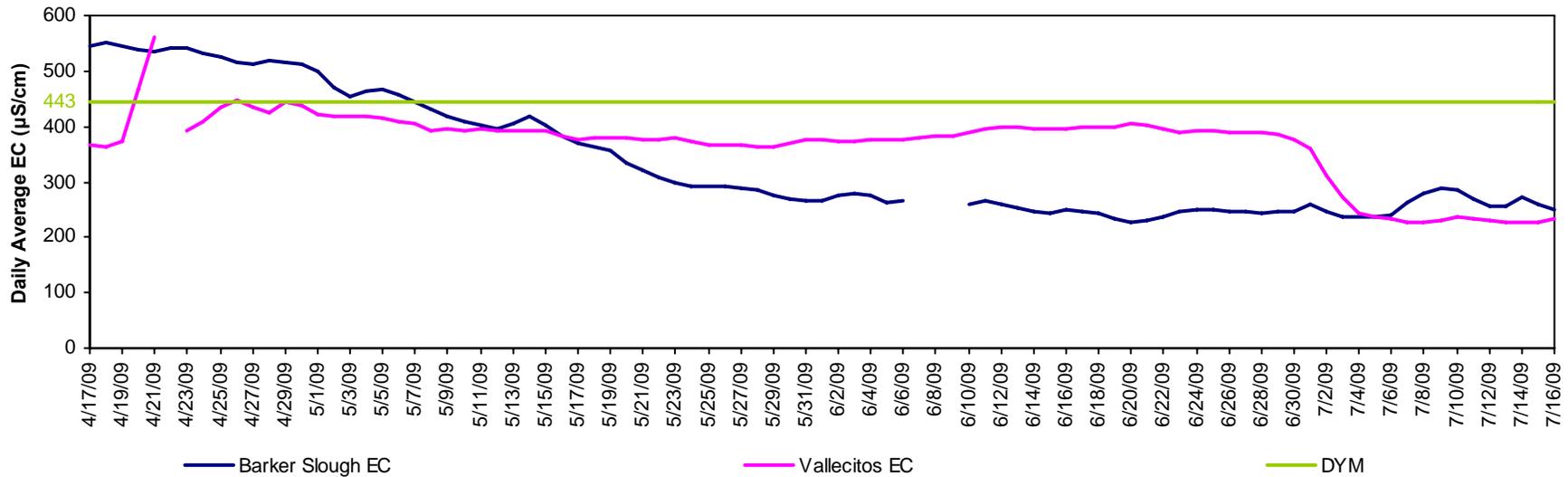
http://www.water.ca.gov/swp/waterquality/AutostationData/Autostation_map.cfm, and

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

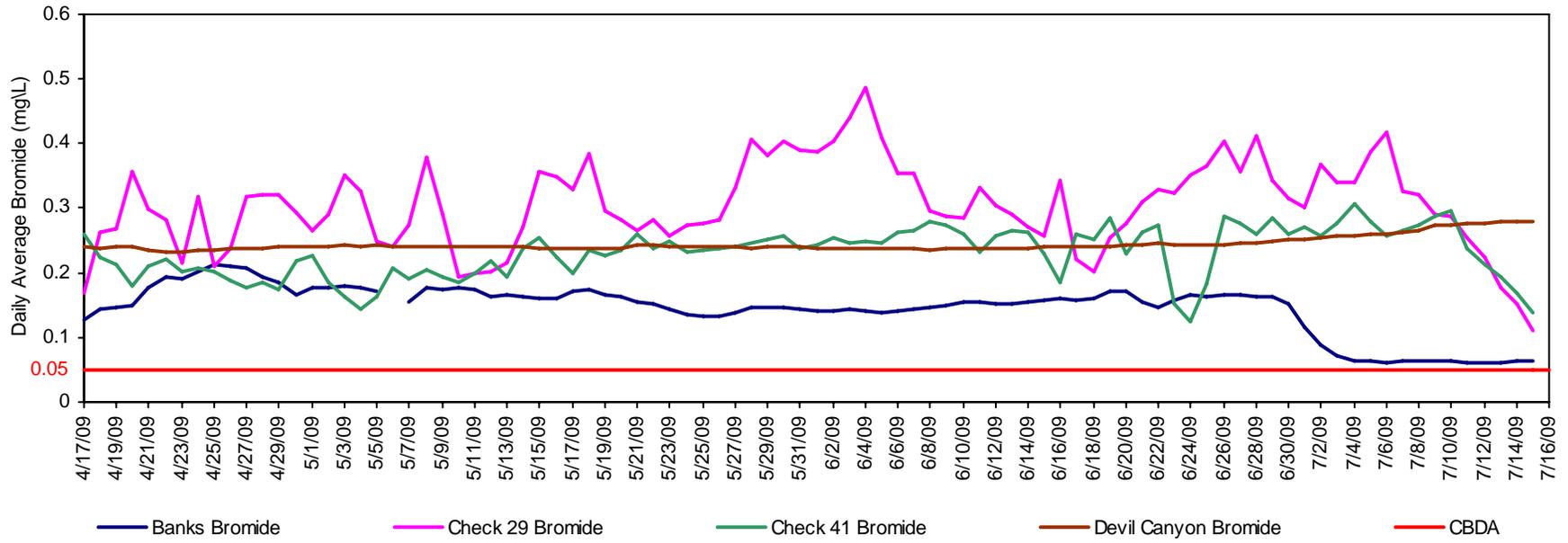
California Aqueduct - Electrical Conductivity



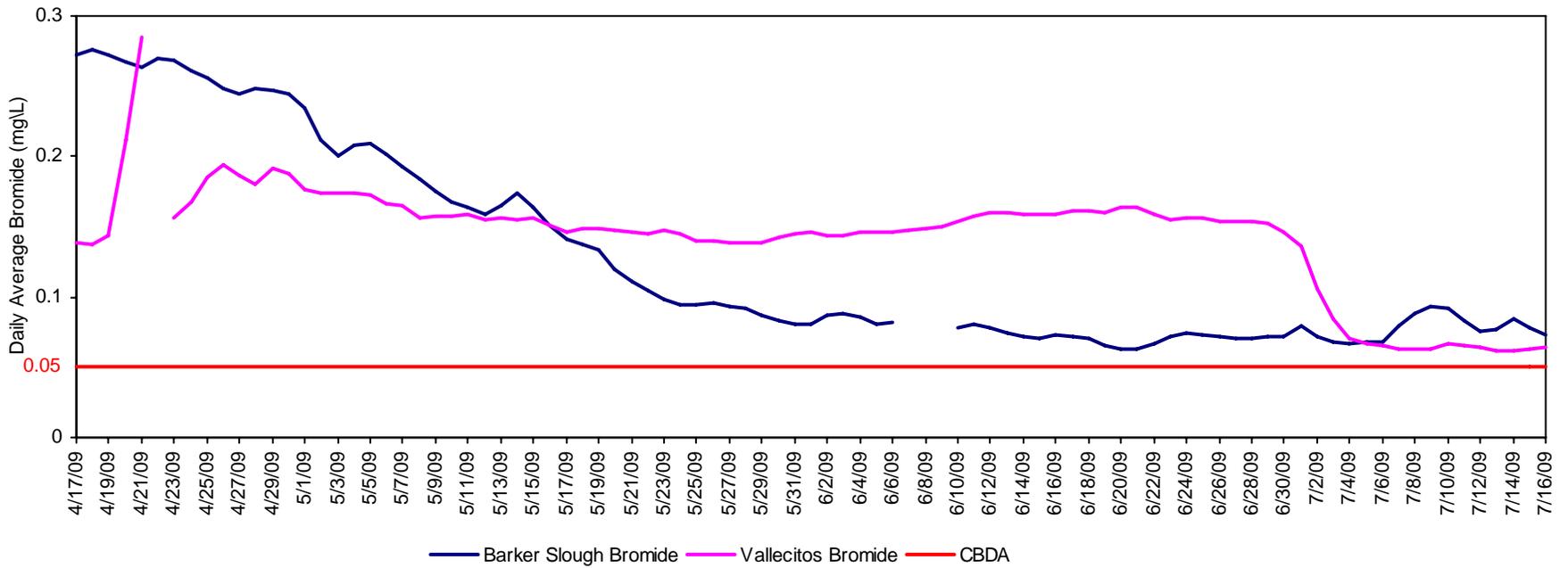
North and South Bay Aqueduct - Electrical Conductivity



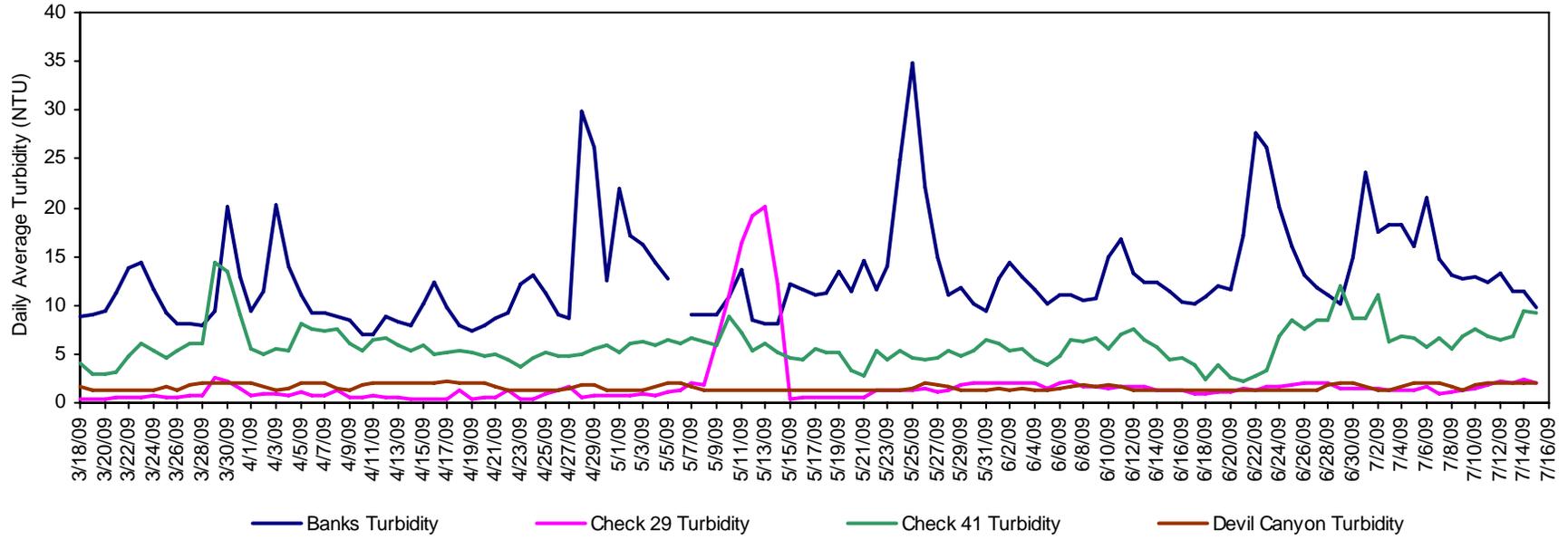
California Aqueduct - Calculated Bromide



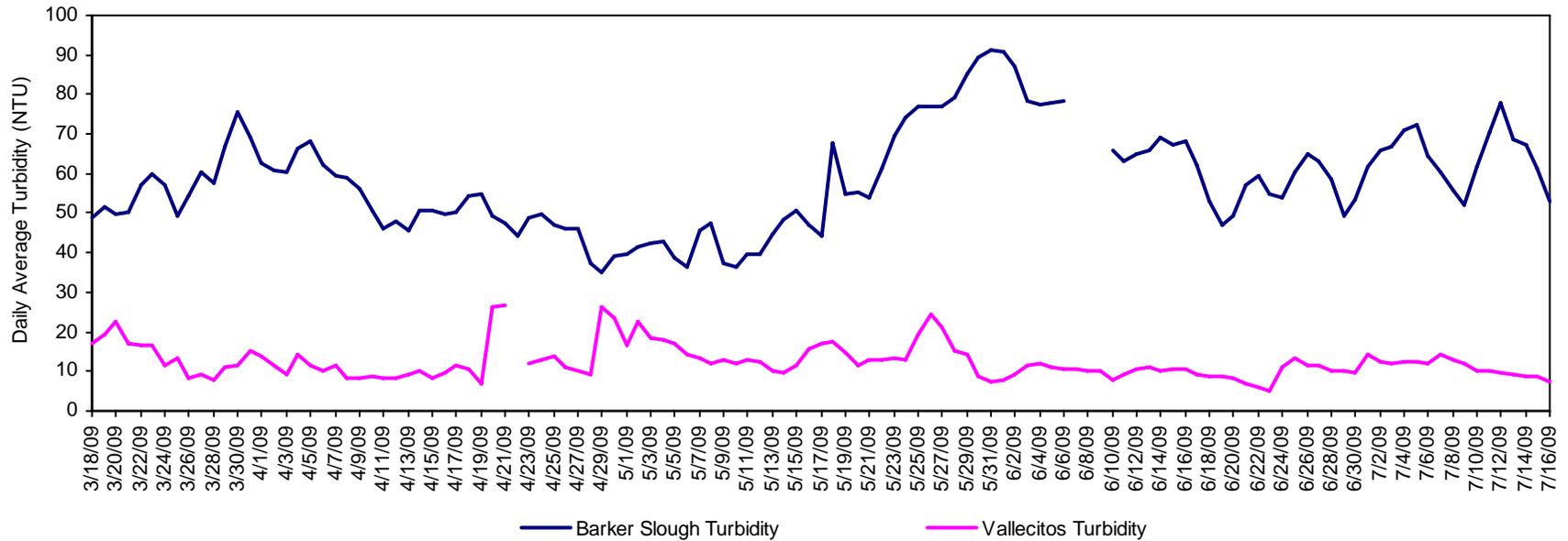
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct Calculated Dissolved Organic Carbon

