SWP Weekly Water Quality Summary

November 11 to 18, 2009

Electrical Conductivity: Concentrations decreased at Harvey O. Banks Pumping Plant (HBP), Devil Canyon, Barker Slough, and Vallecitos, but increased at Check 41, from November 11 to 18, 2009. Concentrations ranged from 259 µS/cm to 517 µS/cm (155 mg/L to 310 mg/L), below the Article 19 Monthly Average Objective of 440 mg/L (733 µS/cm). As of November 18, the lowest concentration of 259 µS/cm occurred at Barker Slough while the highest concentration of 503 µS/cm occurred at Devil Canyon. EC concentrations at HBP decreased slightly from 426 µS/cm to 402 µS/cm as of November 18, 2009.

Bromide*: Concentrations exceeded the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L at all locations. Concentrations ranged from 0.08 mg/L to 0.25 mg/L. As of November 18, Barker Slough had the lowest concentration of 0.08 mg/L, while the highest concentration of 0.24 mg/L occurred at Devil Canyon. Concentrations at HBP decreased slightly from 0.18 mg/L to 0.16 mg/L this week.

* Bromide concentrations are calculated values using linear regression equations using EC concentrations and are not as accurate as bromide concentrations from laboratory analysis.

Turbidity: From November 11 to 18, turbidity levels decreased at all locations, but were unchanged at Devil Canyon. Turbidity levels ranged from 1.3 NTU to 61.1 NTU during the week. As of November 18, 2009, the lowest level of 1.3 NTU occurred at Devil Canyon while the highest level of 49.3 NTU occurred at Barker Slough. As of November 18, the levels at HBP decreased from 6.2 NTU to 3.9 NTU.

Dissolved Organic Carbon (DOC): Concentrations decreased from 2.9 mg/L to 2.1 mg/L at Check 13, but increased from 4.3 mg/L to 4.9 mg/L at Edmonston. Due to malfunctioning instrument, there were no data for HBP this week.

Taste and Odor Compounds: MIB and geosmin concentrations were low project wide ranging from ND to 4 ng/L at Clifton Court Inlet, HBP, O'Neill Outlet, Check 41, Del Valle Check 7, Pacheco Pumping Plant Outlet and Lake Castaic as of November 16 and 17, 2009.

Ground water pump-ins to the California Aqueduct from November 11 to 18, 2009 totaled 21,025 AF. The break down of the total volume was:

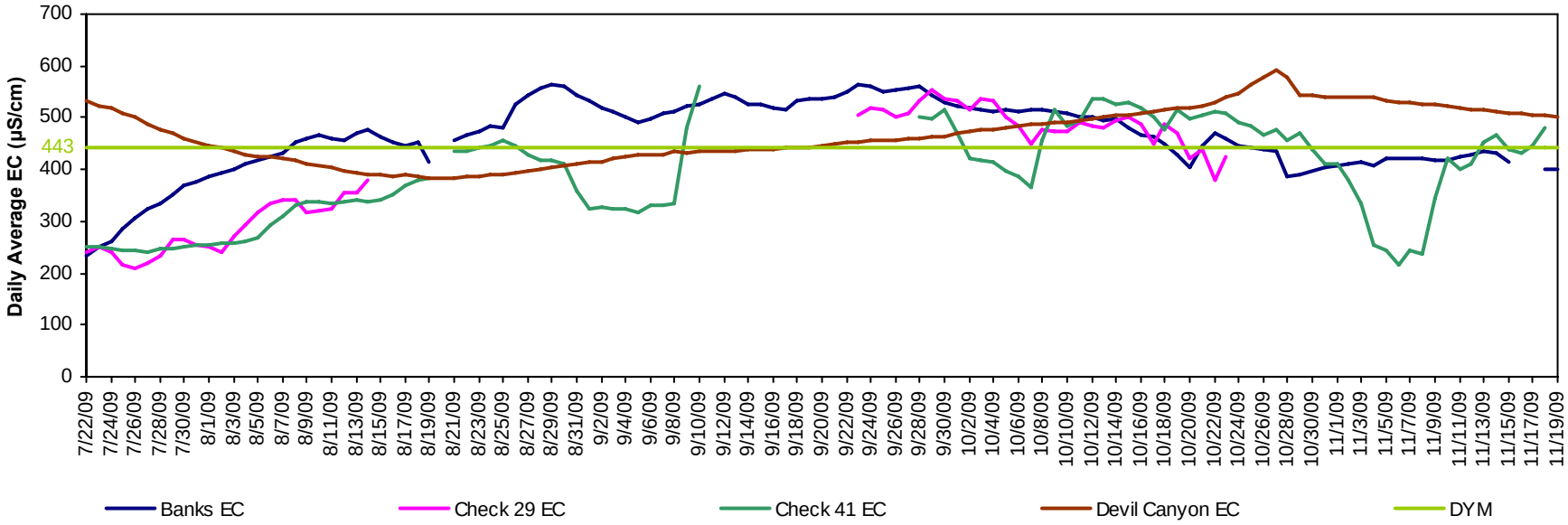
- Arvin Edison Water Storage District = 4,318 AF
- Kern Water Bank Authority (who operate the Kern Water Bank Canal) = 5,937 AF
- Kern County Water Agency (who operate the Cross Valley Canal) = 9,445 AF
- Semitropic (2&3) Water Storage District = 1,325 AF.
- Wheeler Ridge Maricopa Water Storage District = 0 AF.

As of October 21, 2009, no data were available for Check 29 due to malfunctioning Turbidity instrument and the water quality station upgrades currently underway.

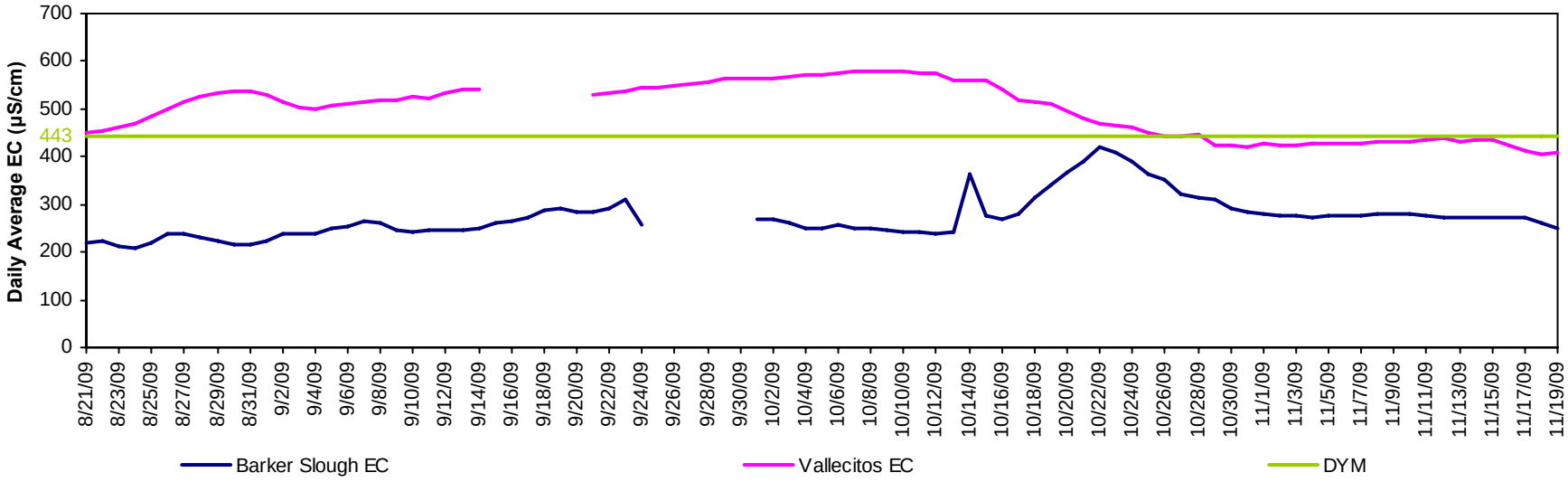
The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientists and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and can be directed to Cindy Garcia @ 916-653-7213, or Austine Eke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

To view the Edmondston's daily AF pumping data, visit: 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."

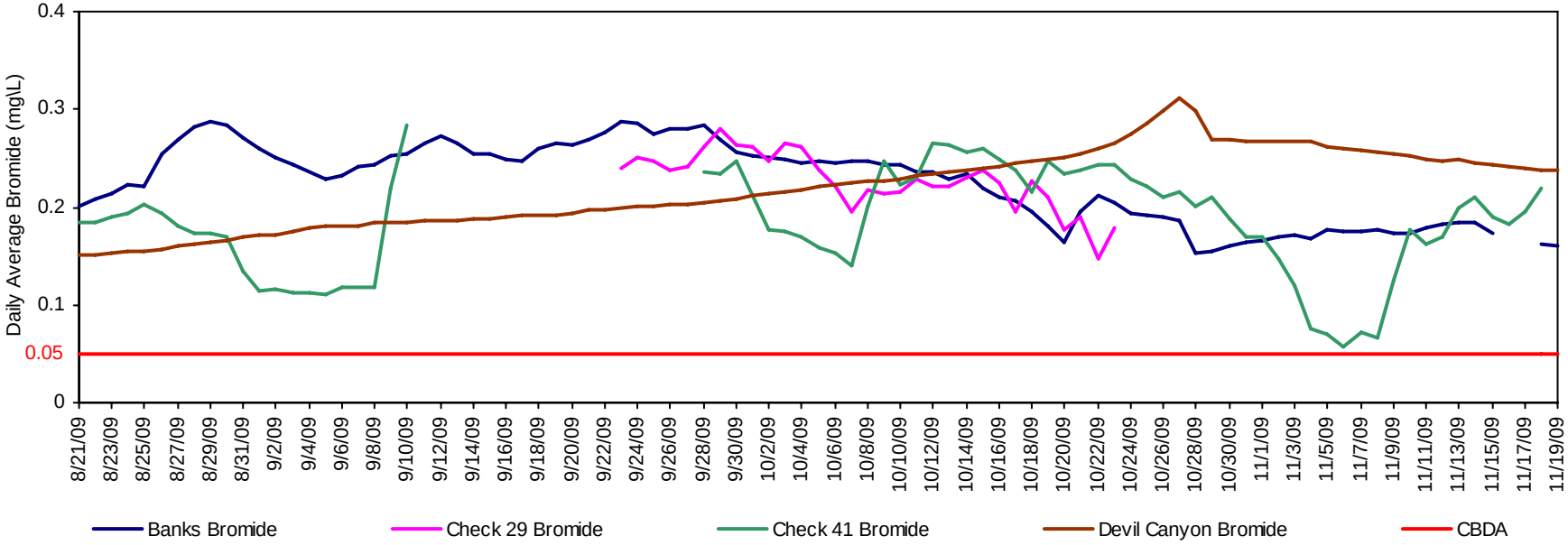
California Aqueduct - Electrical Conductivity



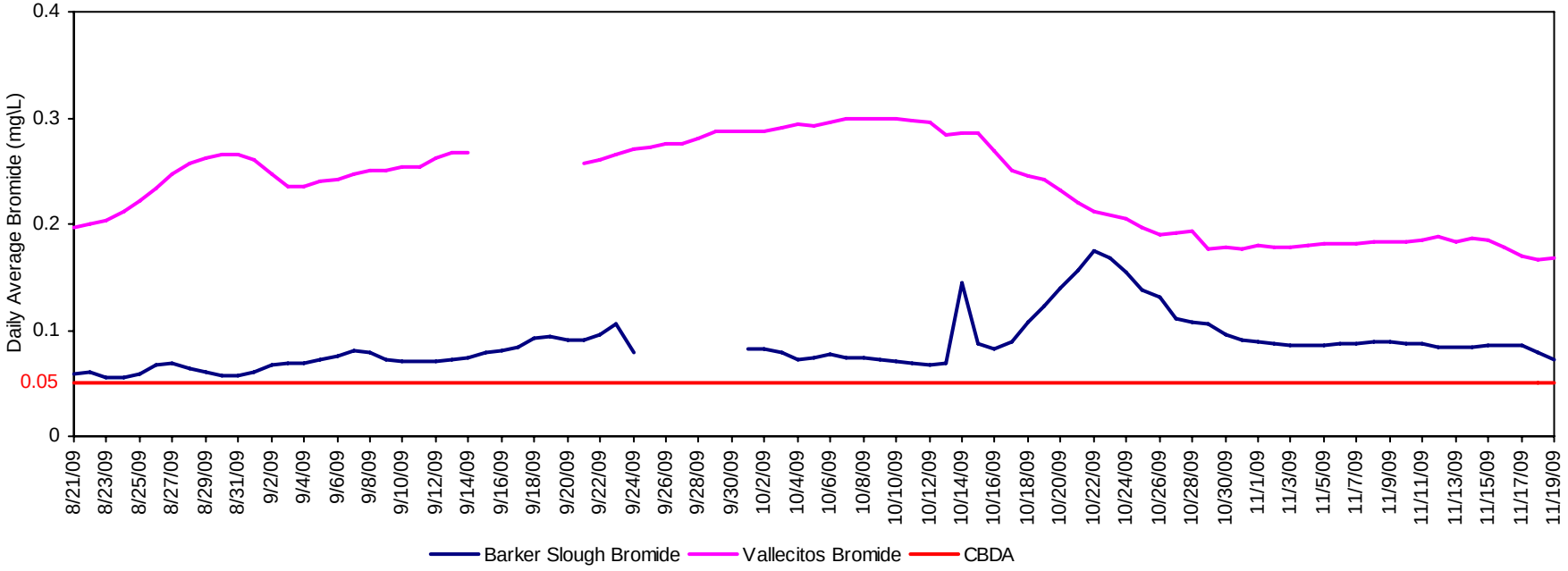
North and South Bay Aqueduct - Electrical Conductivity



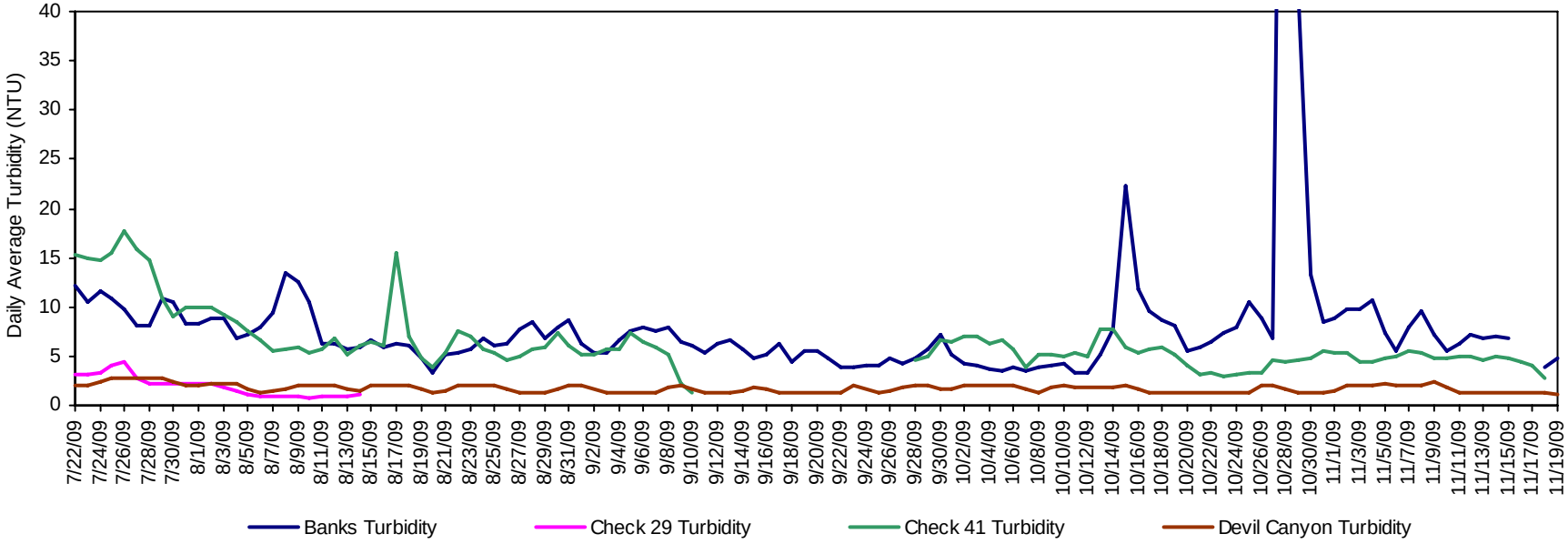
California Aqueduct - Calculated Bromide



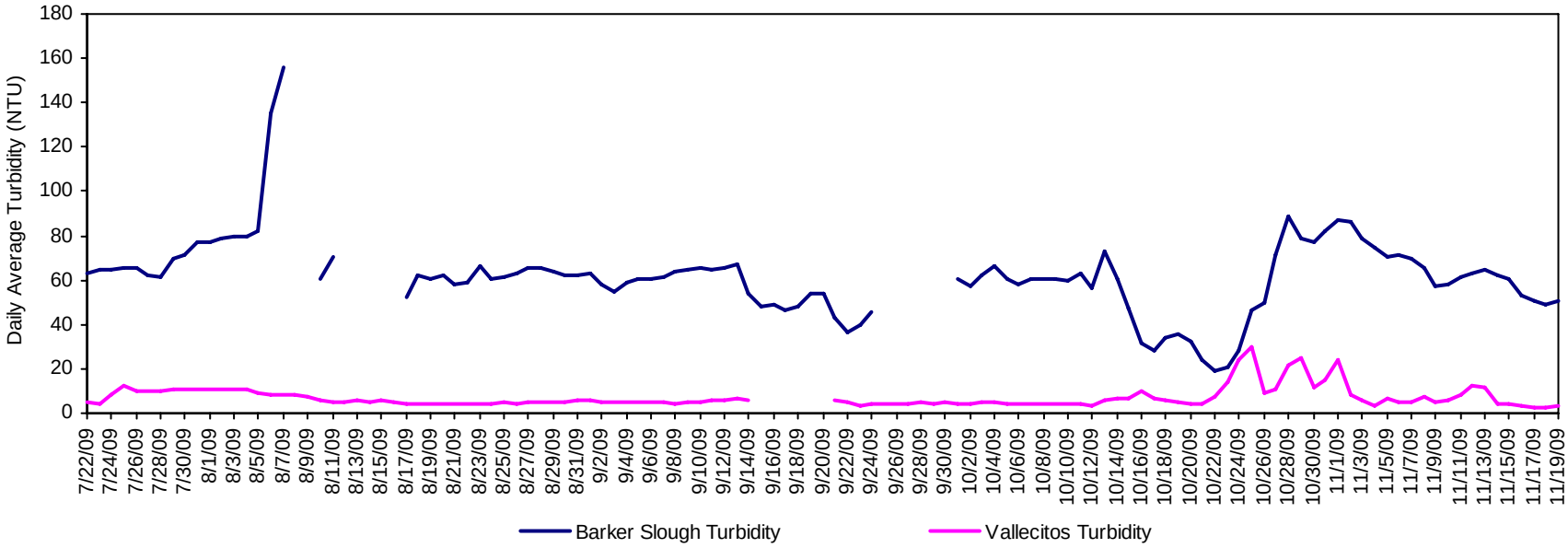
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct
Calculated Dissolved Organic Carbon