

SWP Water Quality Summary

May 14 to 21, 2008

Total Dissolved Solids: TDS increased at Banks Pumping Plant (BPP), Check 41 and Devil Canyon, but decreased at Vallecitos. Concentrations ranged from 132 mg/L to 281 mg/L (220 uS/cm to 468 uS/cm) and remained below the Article 19 Monthly Average Objective of 440 mg/L. The highest concentration of 281 mg/L (468 uS/cm) occurred at Check 41 while the lowest concentration of 161 mg/L (268 uS/cm) occurred at Barker Slough on May 21, 2008. Concentrations increased this week at BPP from 237 mg/L to 242 mg/L (395 uS/cm to 403 uS/cm).

Bromide: Concentrations remain above the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L project wide, ranging from 0.06 mg/L to 0.22 mg/L. As of May 21, Barker Slough had the lowest concentration of 0.09 mg/L, followed by Vallecitos with 0.17 mg/L while the highest concentration of 0.22 mg/L occurred at Check 41 and Devil Canyon. The concentration at BPP increased slightly from 0.17 mg/L to 0.18 mg/L this week.

Turbidity: Turbidity levels increased from 27 NTU to 29 NTU at BPP, but decreased from 6 NTU to 5 NTU at Check 41 and from 22 NTU to 17 NTU at Vallecitos. Turbidity levels were unchanged at Devil Canyon (2 NTU). The highest level of 76 NTU occurred at Barker Slough.

Dissolved Organic Carbon: Concentrations increased at BPP from 6.4 mg/L to 6.8 mg/L, at Check 13 from 3.4 mg/L to 3.6 mg/L, and from 2.4 mg/L to 2.7 mg/L at Edmonston this week.

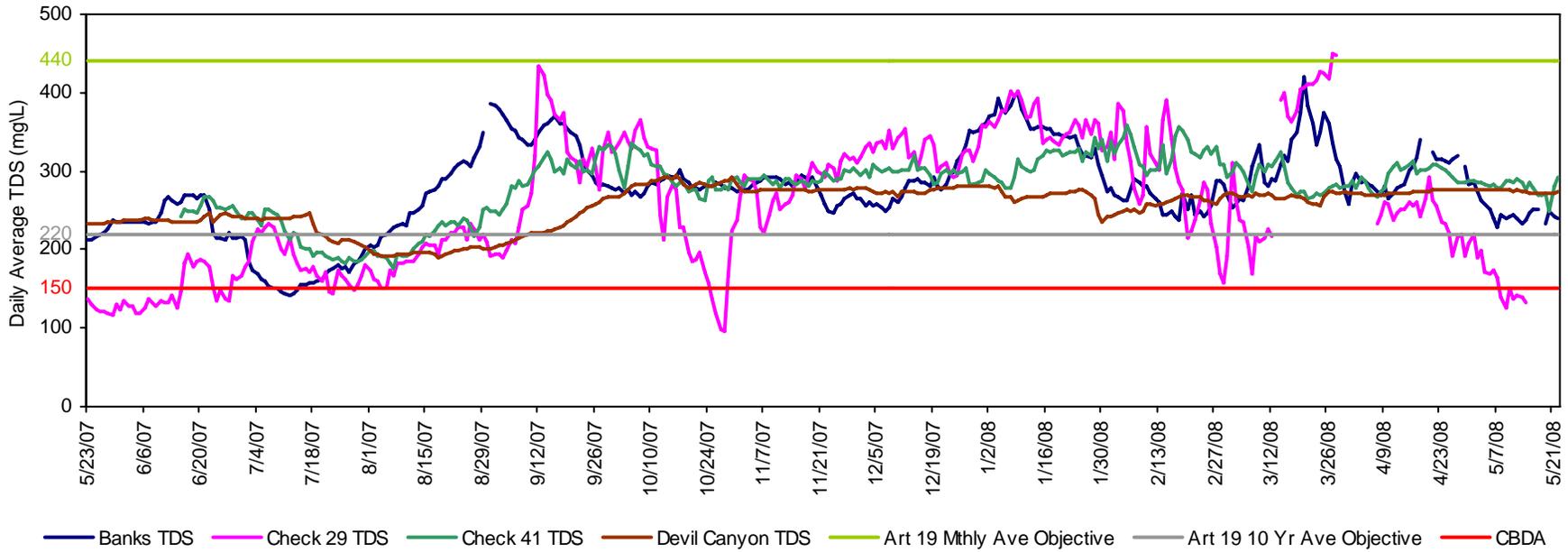
Taste and Odor Compounds: MIB and geosmin were generally low project wide, ranging from non-detect to 8 ng/L at Clifton Court Boat Dock, BPP, South Bay Aqueduct at Del Valle Check 7, O'Neill Forebay, Check 66, Castaic Lake, Silverwood Lake and Lake Perris. The only exception was at Check 41, where geosmin concentrations rose to 29 ng/L on May 20, 2008.

Note:

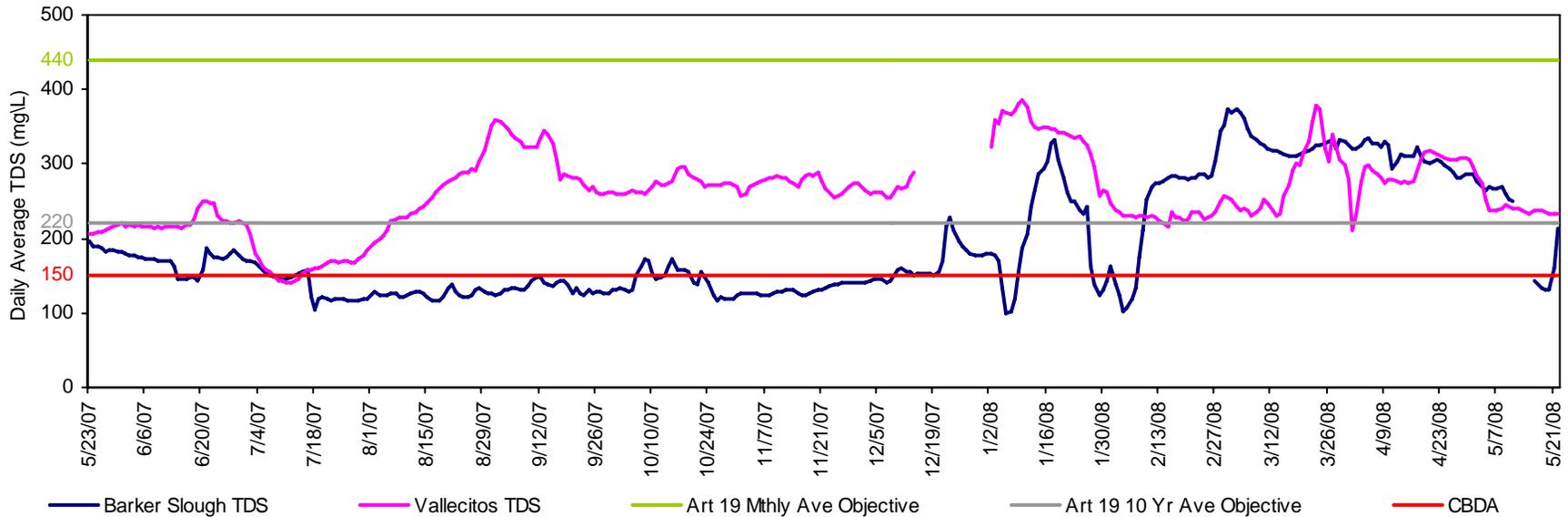
The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientist and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and can be directed to Austine Eke @ 916-653-7227 or Cindy Garcia @ 916-653-7213. To view WQ data from any of the 15 automated stations along the SWP, visit: <http://www.womwq.water.ca.gov> and click the "Autostation Data" link on the left side navigation bar.

*There is no data for Check 29 because work is in progress to fix instrument that appear to be malfunctioning.

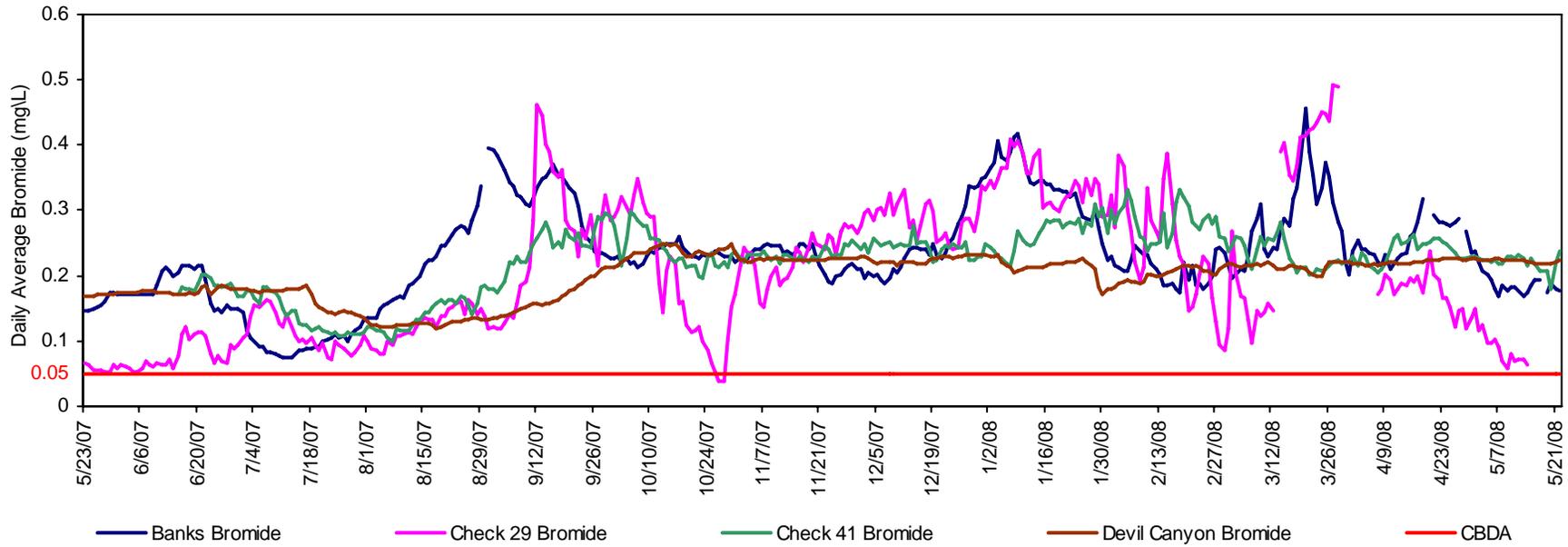
California Aqueduct - Calculated Total Dissolved Solids



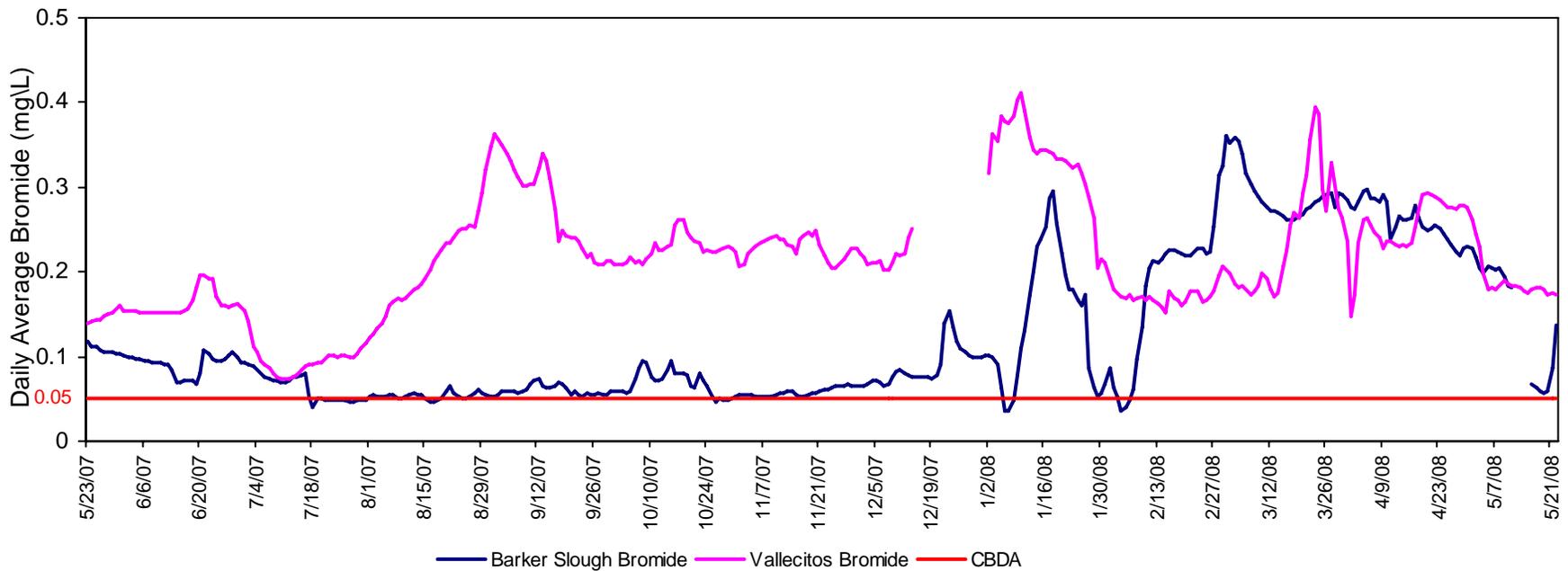
North and South Bay Aqueduct - Calculated Total Dissolved Solids



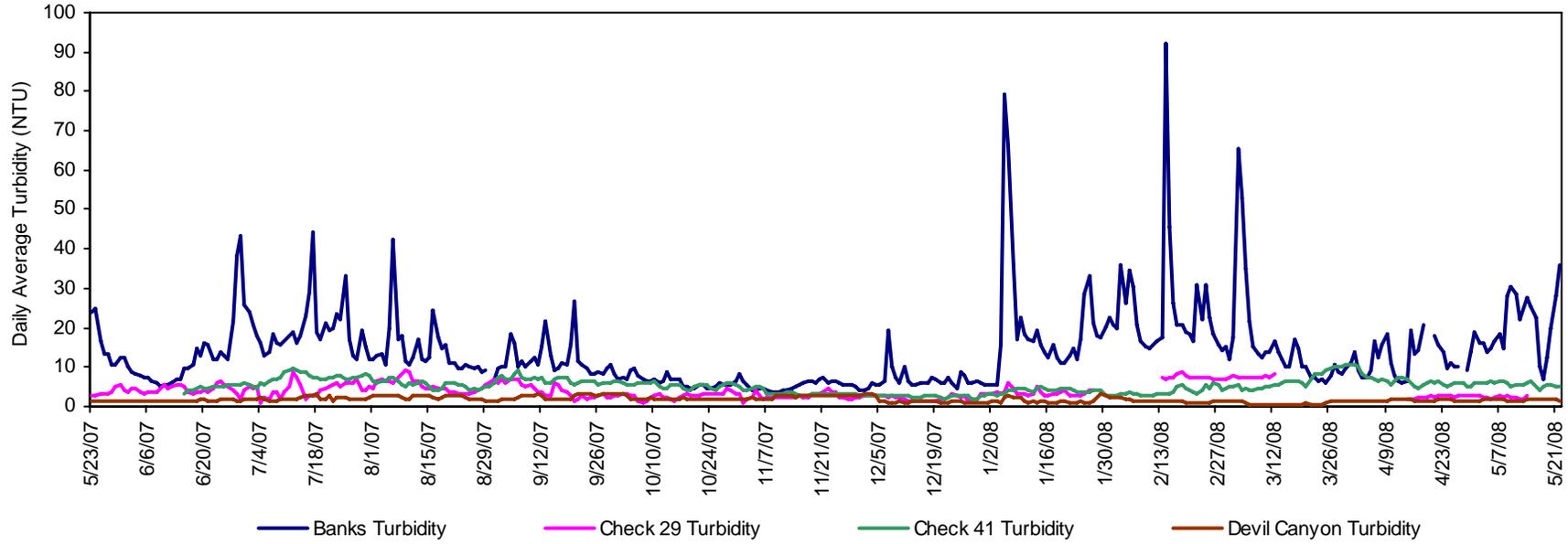
California Aqueduct - Calculated Bromide



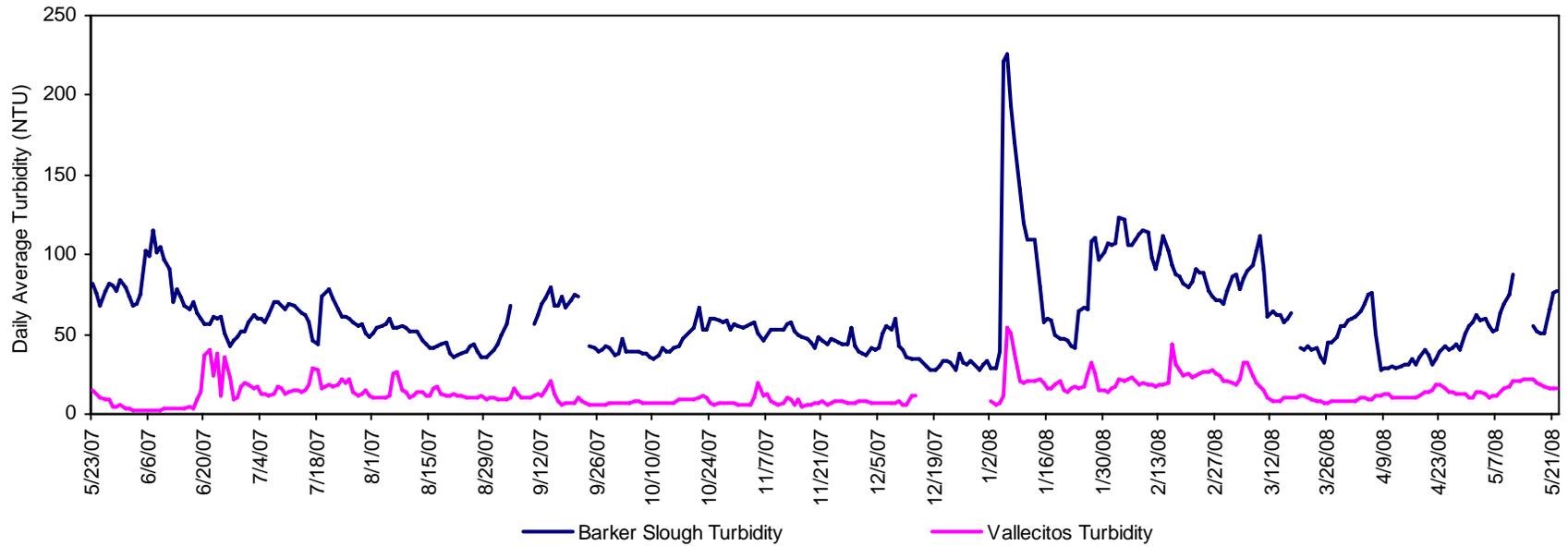
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct Calculated Dissolved Organic Carbon

