

SWP Water Quality Summary

February 13 to March 12, 2008

Total Dissolved Solids: TDS increased at all SWP auto-sampler station locations where the concentrations ranged from 259 mg/L to 317 mg/L (432 uS/cm to 528 uS/cm). TDS at all locations remained below the Article 19 Monthly Average Objective of 440 mg/L. The highest concentration of 317 mg/L (528 uS/cm) occurred at Barker Slough while the lowest concentration of 259 mg/L (432 uS/cm) occurred at Vallecitos on March 12, 2008. Concentrations increased this month at Banks Pumping Plant (BPP) from 259 mg/L to 290 mg/L (432 uS/cm to 483 uS/cm). The increase observed at BPP may be due to the influence of salinity from the San Joaquin River (1,054 uS/cm on 3/12/8).

Bromide: Concentrations exceeded the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L at all locations. Concentrations ranged from 0.16 mg/L to 0.27 mg/L. Vallecitos had the lowest concentration of 0.18 mg/L, followed by Barker Slough (0.21 mg/L) and Devil Canyon with 0.22 mg/L while the highest concentration of 0.27 mg/L occurred at Check 29 as of March 12, 2008. The concentration at BPP increased from 0.20 to 0.24 mg/L as of March 13, 2008.

Turbidity: Turbidity levels decreased at BPP, Devil Canyon, Barker Slough and Vallecitos except at Checks 29 and 41. Turbidity levels ranged from 0.6 NTU to 100 NTU this month. The lowest level of 0.6 NTU occurred at Devil Canyon while the highest level of 64 NTU occurred at Barker Slough on March 12, 2008. Turbidity levels at BPP decreased from 18NTU to 16 NTU this month.

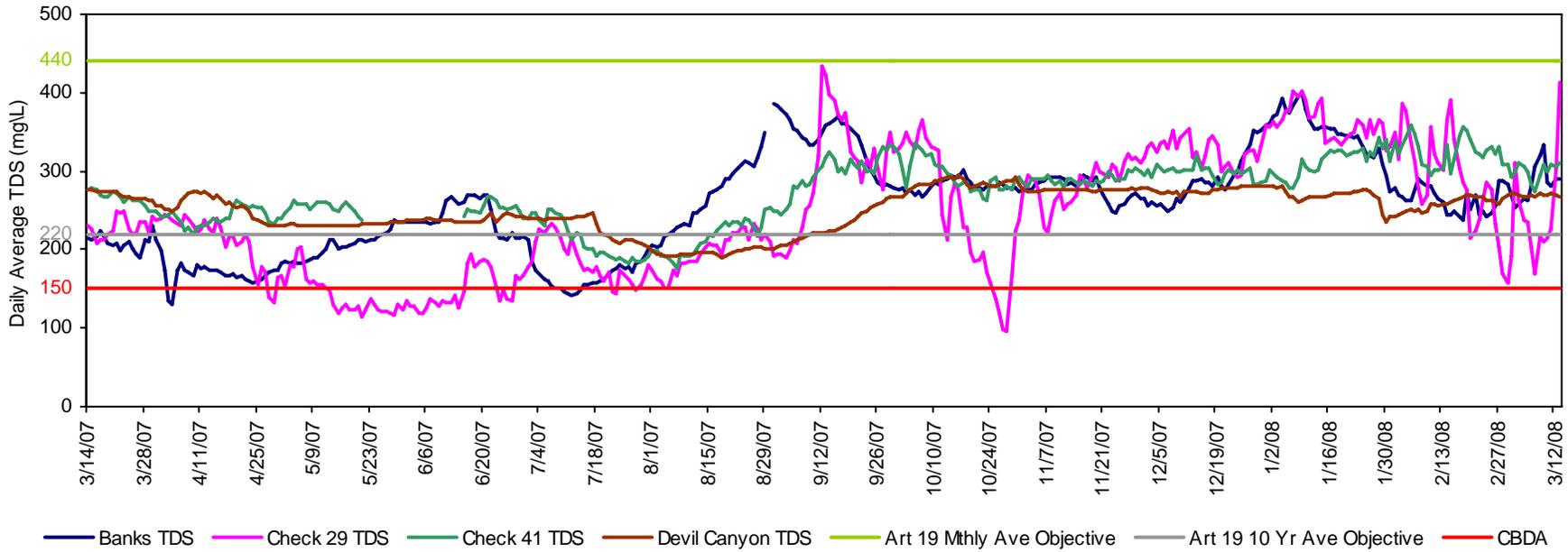
Dissolved Organic Carbon: Concentrations decreased at BPP from 6.8mg/L to 6.4 mg/L, at Check 13 from 8.5 mg/L to 8.1 mg/L while at Edmonston, DOC increased from 1.7 mg/L to 2.4 mg/L, this month. Concentrations at BPP and Check 13 exceeded the CALFED TOC Objective of 3.0 mg/L. The increase in DOC is probably due to the decreased pumping, which is prolonging the (DOC) residence time in the Delta.

Taste and Odor Compounds: MIB and geosmin remain low ranging from non-detect to 6 ng/L at Clifton Court Inlet, BPP, Del Valle Check 7, Check 41, Check 66, Castaic Lake, Silverwood Lake and Lake Perris. The highest concentration of geosmin (6 ng/L) was detected at BPP on February 25, 2008.

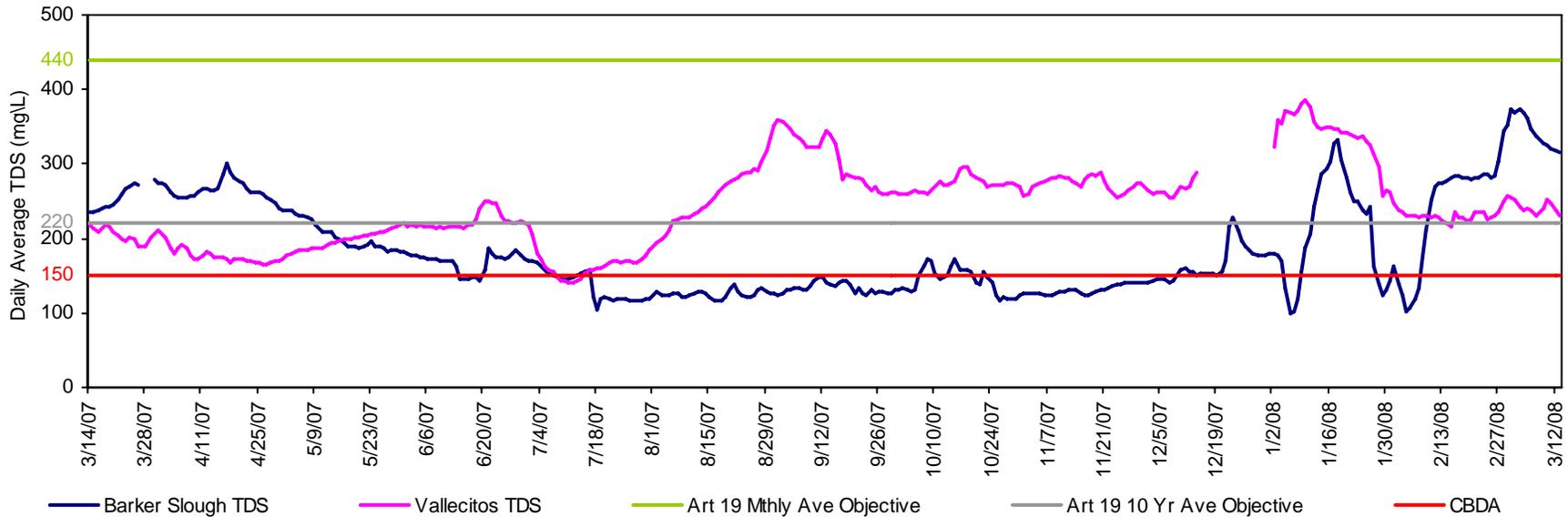
Note:

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 Cindy Garcia @ 916-653-7213, or Austine Eke @ 916-653-7227. 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.

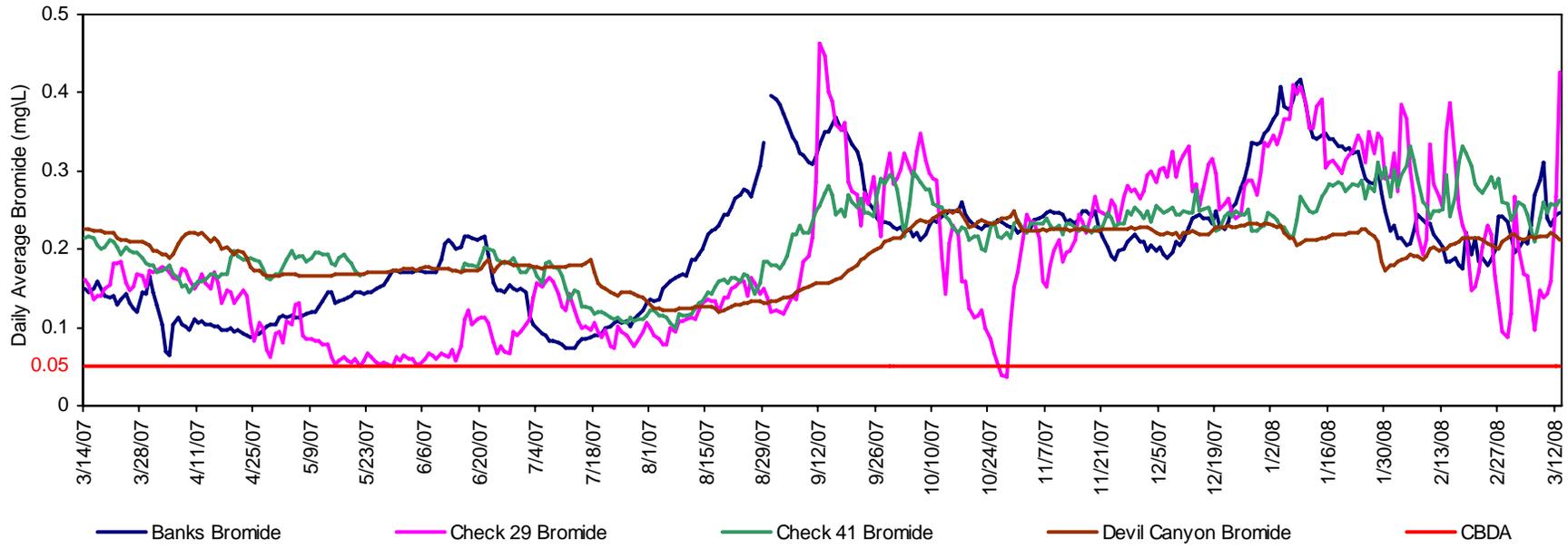
California Aqueduct - Calculated Total Dissolved Solids



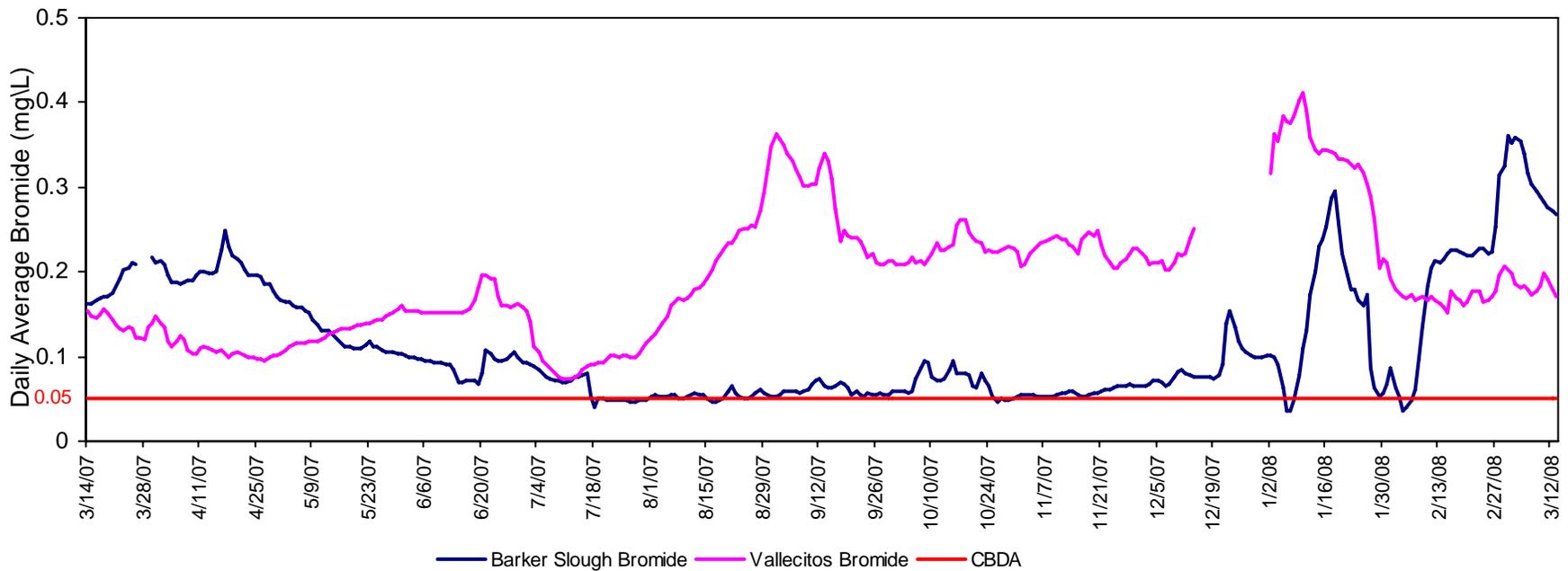
North and South Bay Aqueduct - Calculated Total Dissolved Solids



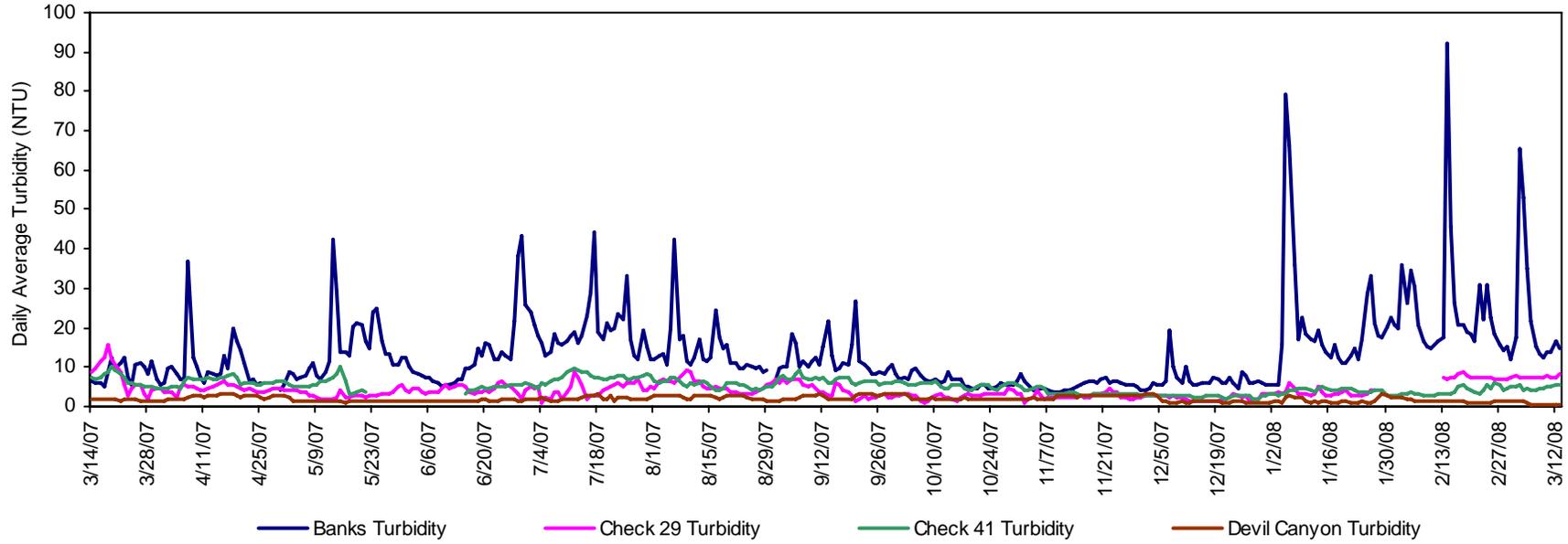
California Aqueduct - Calculated Bromide



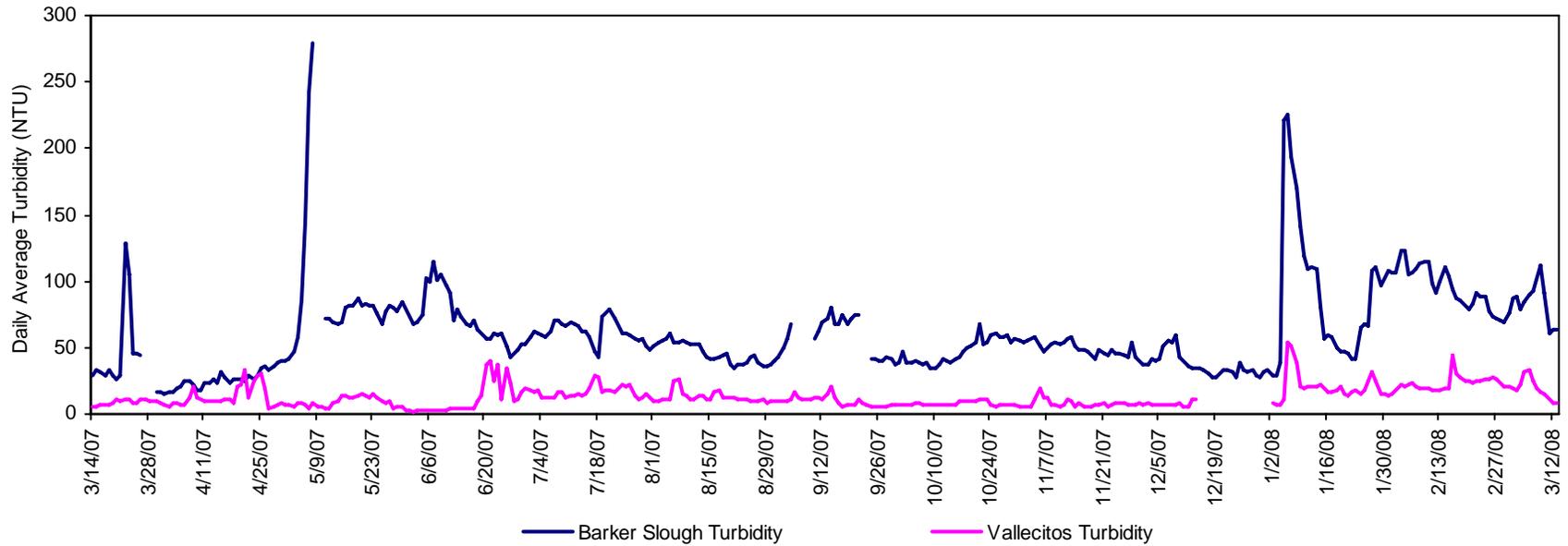
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct Calculated Dissolved Organic Carbon

