

# SWP Water Quality Summary

November 7 to December 12, 2007

**Total Dissolved Solids:** This month's data show TDS increasing at Checks 29, 41 and Barkers Slough stations. Concentrations ranged from 156 to 355 mg/L. TDS at all locations remained below the Article 19 Monthly Average Objective of 440 mg/L. The highest concentration of 355 mg/L occurred at Check 29 while the lowest concentration of 156 mg/L occurred at Barker Slough on December 12, 2007. Concentrations decreased slightly from 291 to 278 mg/L this month at Banks Pumping Plant (BPP). The higher concentration observed at Check 29 could be due to the influence from Delta Mandota Canal (555 uS/cm).

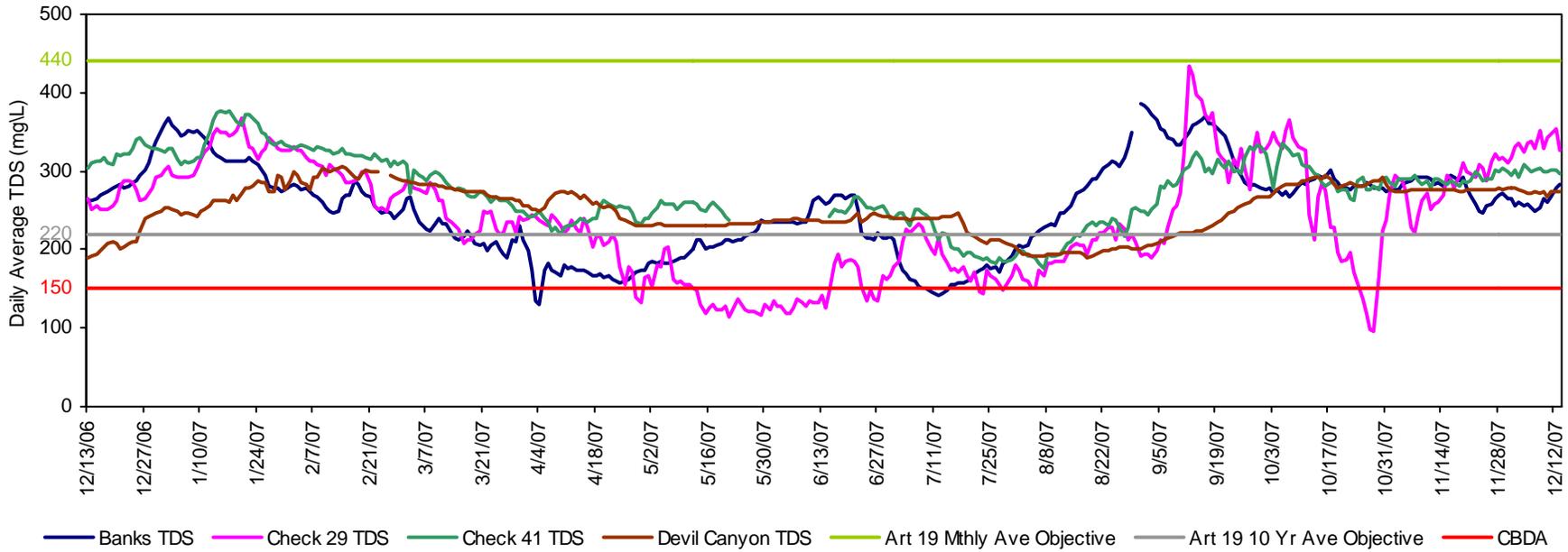
**Bromide:** Concentrations exceeded the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L at all locations. Concentrations ranged from 0.08 to 0.33 mg/L. Barker Slough had the lowest concentration of 0.08 mg/L, followed by Devil Canyon and Vallecitos with 0.22 mg/L while the highest concentration of 0.33 mg/L occurred at Check 29. The concentration at BPP decreased from 0.25 to 0.23 mg/L as of December 12, 2007.

**Turbidity:** Turbidity levels ranged from 1 to 36 NTU this month. Turbidity at Barker Slough decreased from 49 NTU on November 7 to 36 NTU on December 12, 2007, the greatest decrease this month. The lowest concentration of 1 NTU occurred at Devil Canyon on December 12, 2007. Turbidity at BPP increased from 4 to 7 NTU this month, possibly due to the current rainstorm.

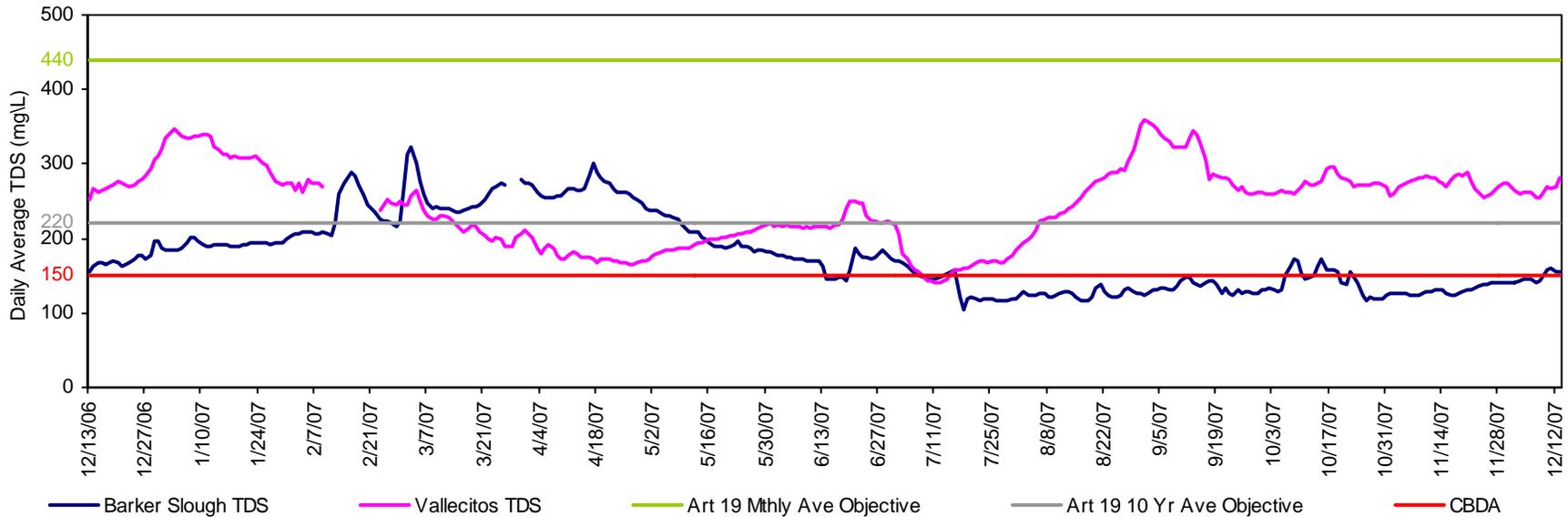
**Dissolved Organic Carbon:** Concentration increased at all locations. Nevertheless, they were below the CALFED TOC Objective of 3.0 mg/L at BPP and Check 13. DOC at BPP, Check 13 and Edmonston increased from 2.2 to 3.0 mg/L, 1.5 to 2.3 mg/L and 1.6 to 4.3 mg/L, respectively. These increases could be attributed to the recent rainstorms.

**Taste and Odor Compounds:** MIB and geosmin were generally low project wide, from November to present. Values at Clifton Court, BPP, ONeil Outlet, Del Valle Check 7 and Lake Perris ranged from Non-detect to 10 ng/L.

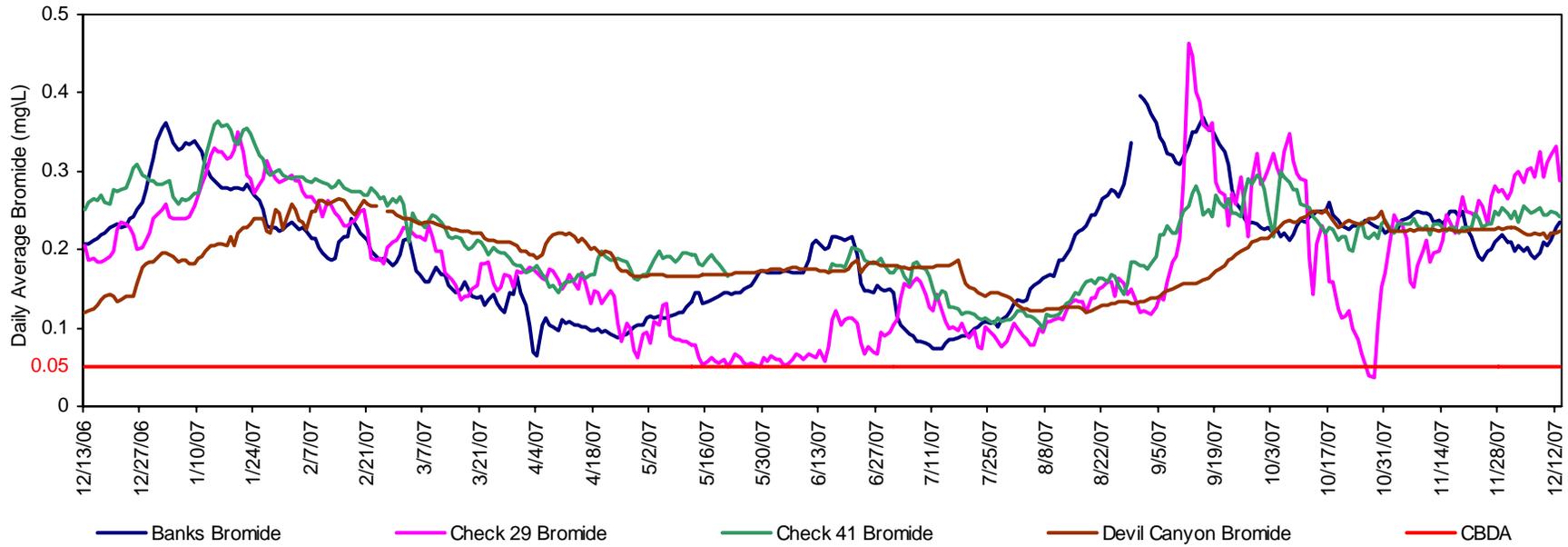
### California Aqueduct - Calculated Total Dissolved Solids



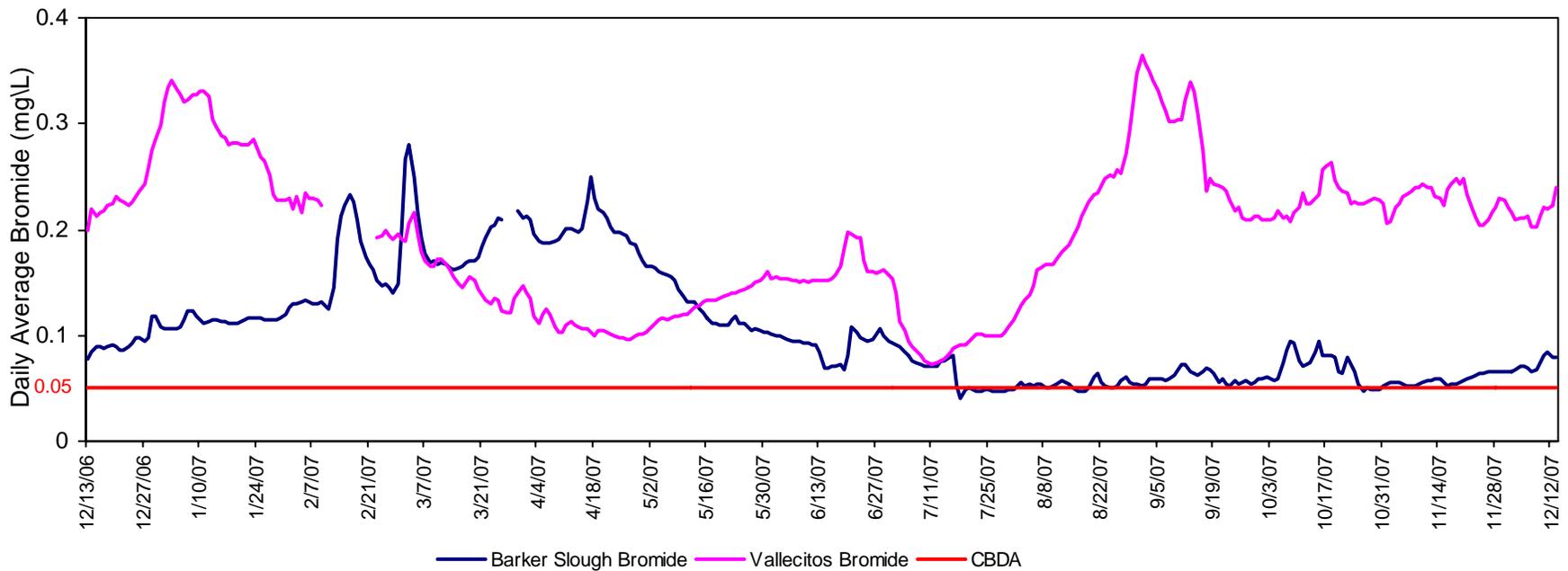
### North and South Bay Aqueduct - Calculated Total Dissolved Solids



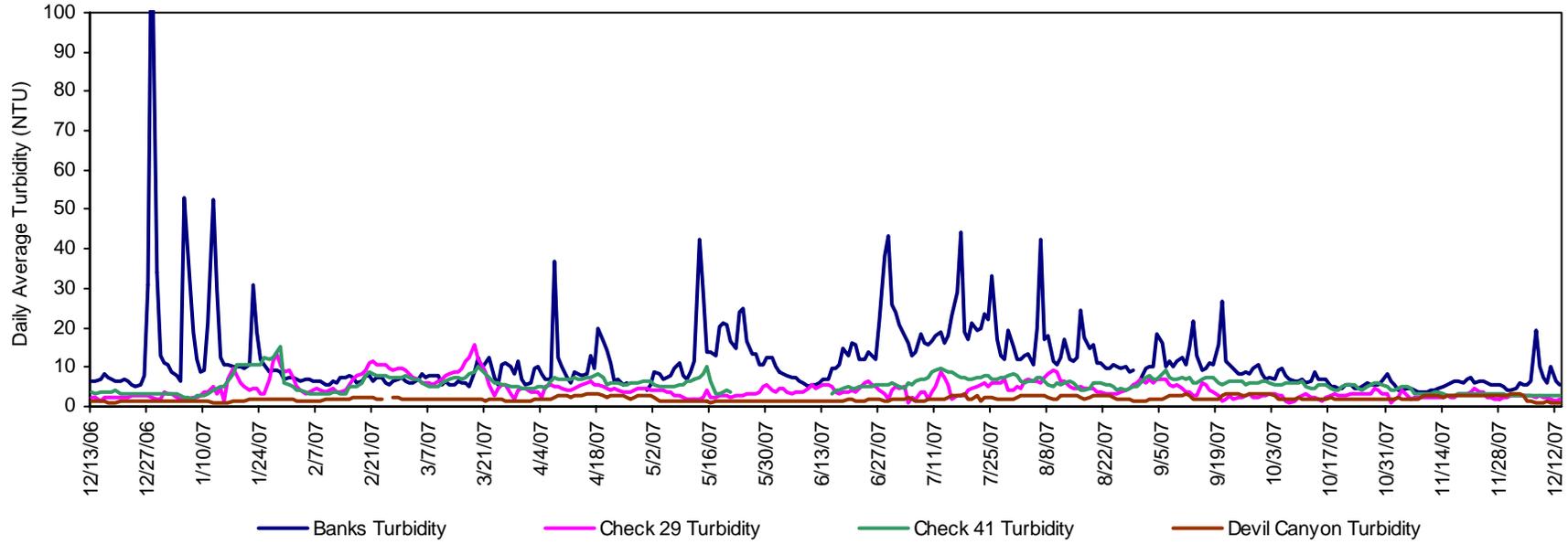
### California Aqueduct - Calculated Bromide



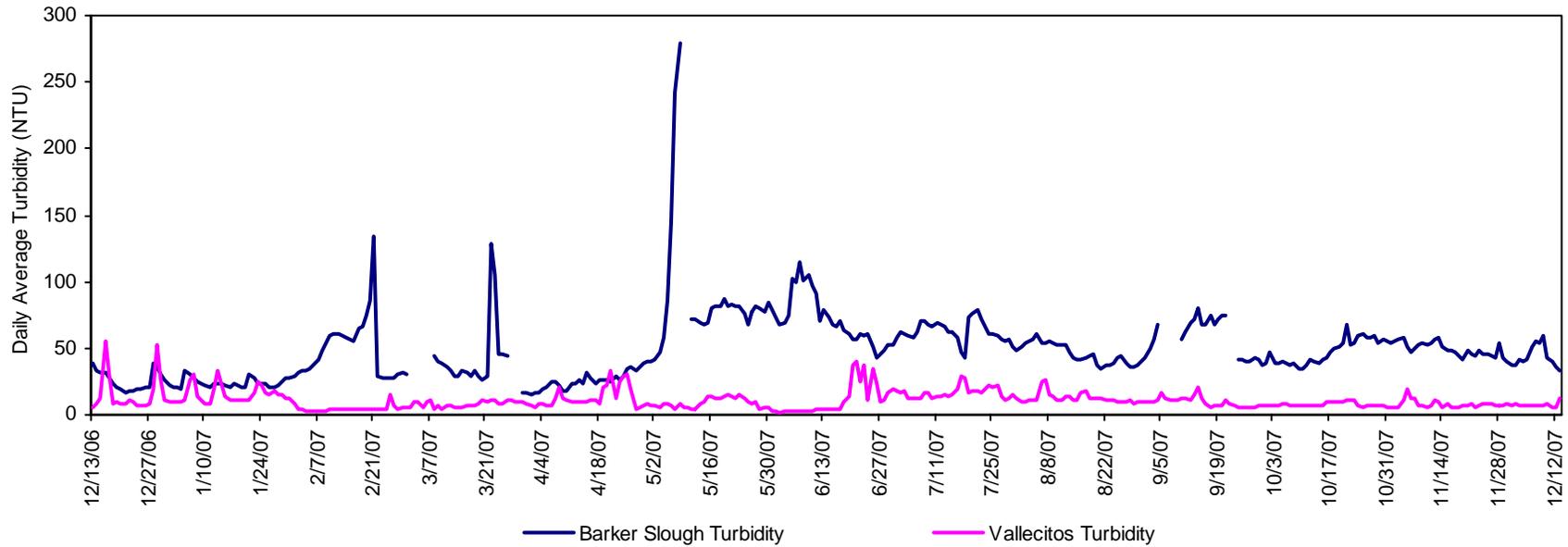
### North and South Bay Aqueduct - Calculated Bromide



### California Aqueduct - Turbidity



### North and South Bay Aqueduct - Turbidity



# California Aqueduct Calculated Dissolved Organic Carbon

