

SWP Water Quality Summary

January 20, 2005

Total Dissolved Solids: TDS from California Aqueduct, North and South Bay Aqueduct gradually increased to late December 2004 and early January 2005. Thereafter, concentrations started declining especially at Banks Pumping Plant and Devil Canyon on January 2, 2005, due to recent rainfall. TDS at Devil Canyon decreased substantially, ranging from 257 mg/l on January 6 to 91 mg/l on January 12, 2005. The highest concentration of 362 mg/l occurred at Check 41 on January 12 2005, while the lowest concentration of 91 mg/l was at Devil Canyon due to floodwater inflow. However, TDS at all locations remain below Article 19 Monthly Average Objective.

Bromide: Concentrations at Check 29, Check 41, Barker Slough and Vallecitos increased starting from the middle of November 2004 through January 12, 2005. On the first week of January 2005, bromide concentrations at Banks Pumping Plant and Vallecitos, peaked to 0.38 and 0.36 mg/l and have since dropped to 0.24 and 0.27 mg/l. The highest concentration of 0.34 mg/l occurred at Check 29 while Barker Slough had the lowest concentration of .02 mg/l, both on January 2005.

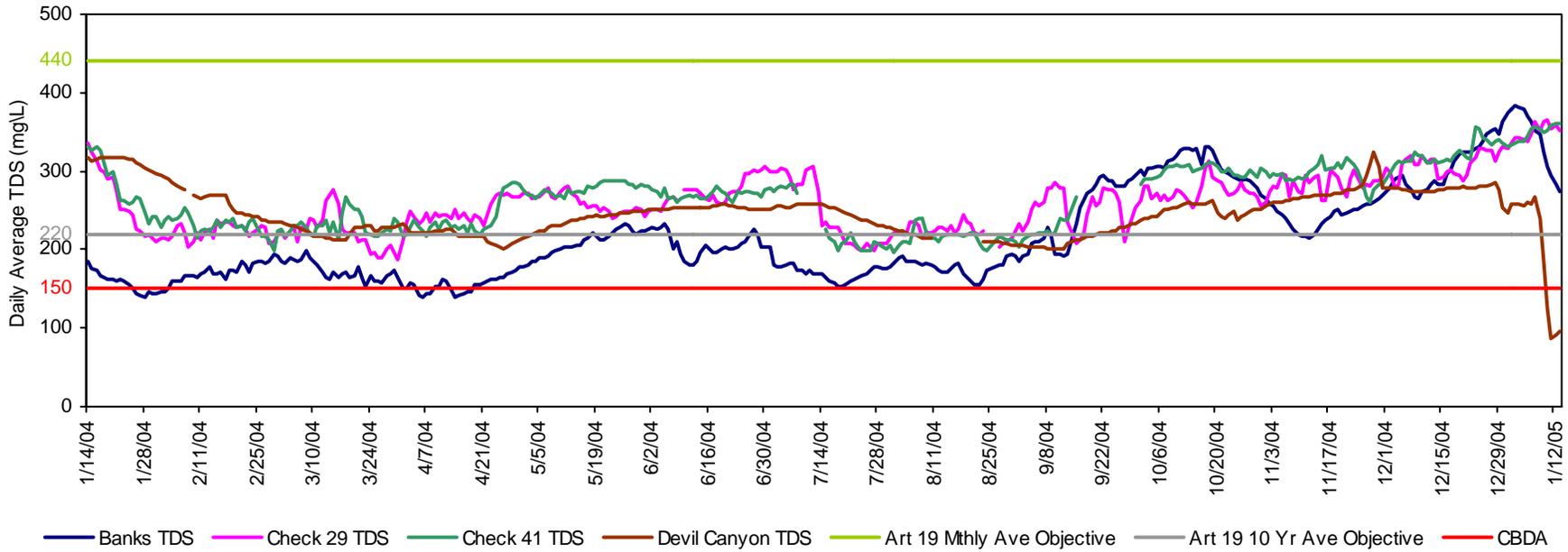
Turbidity: At all locations remained low from the middle of November 2004 to late December 2004, after which it peaked at Banks Pumping Plant, Barker Slough and Devil Canyon. Concentrations were high at Devil Canyon, Barker Slough and Vallecitos. The increase was pronounced at Devil Canyon, Barker Slough and Banks Pumping Plant, ranging from 125 NTU to 321 NTU between December 31, 2004 and January 12, 2005.

Dissolved Organic Carbon: Concentration has remained above the CALFED TOC Objective, through January 13, 2005. DOC at Banks Pumping Plant and Check 13 increased from 3.8 to 7.4 mg/l and 4.0 to 7.2 mg/l respectively, from January 1 to January 13, 2005, due to rainfall runoff.

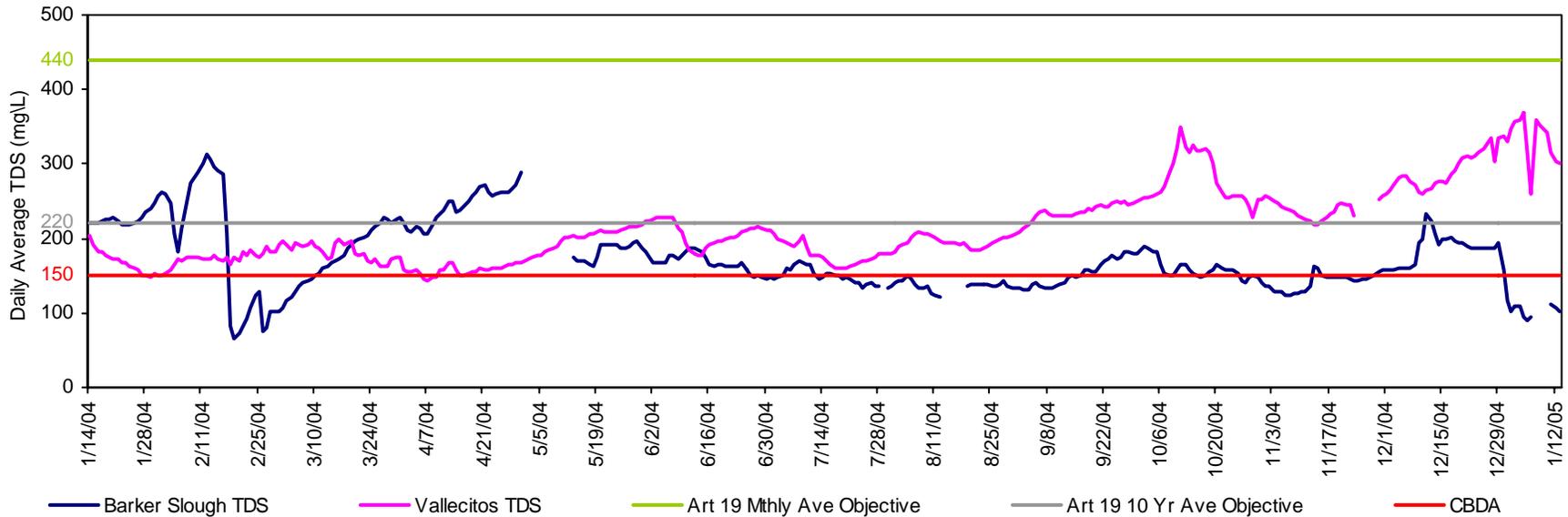
Taste and Odor: MIB has been low project wide since November 2004. Current data showed that MIB at Clifton Court, Banks Pumping Plant, Del Valle Check 7 and Lake Del Valle Outlet were low and ranged from non-detect to 1 ng/l while geosmin increased to 5 ng/l at Clifton Court Outlet and Bank Pumping Plant.

Ground Water Pump-in: No ground water pump-in.

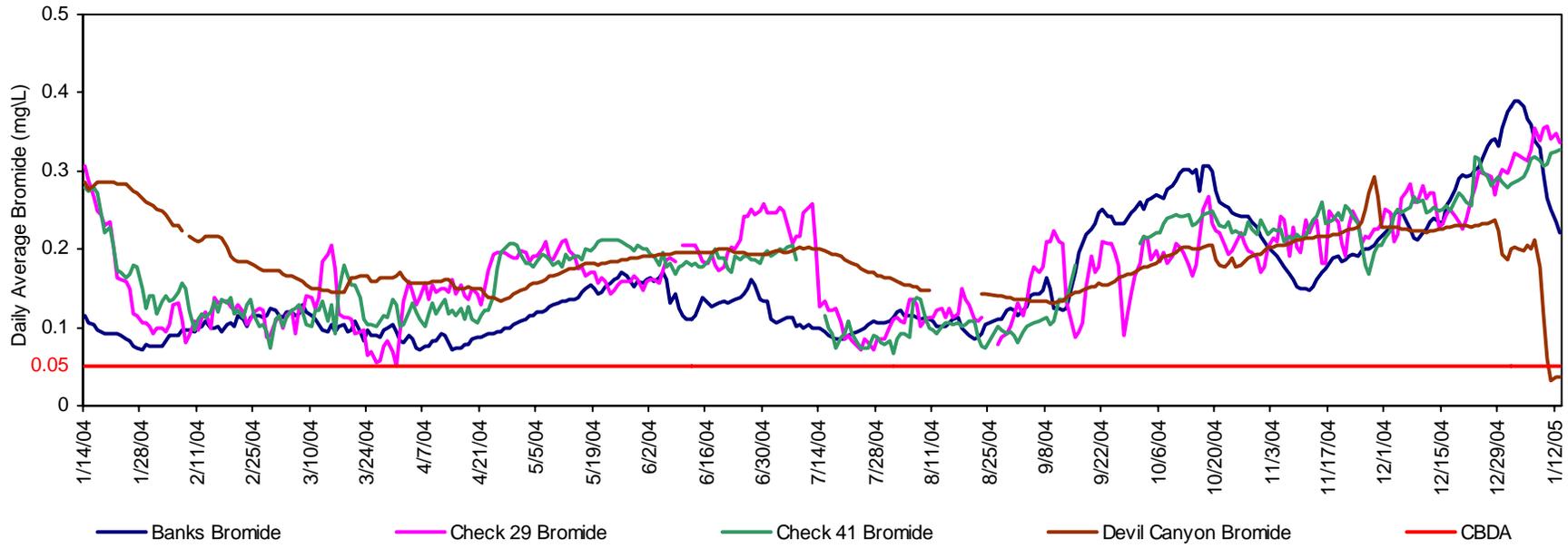
California Aqueduct - Calculated Total Dissolved Solids



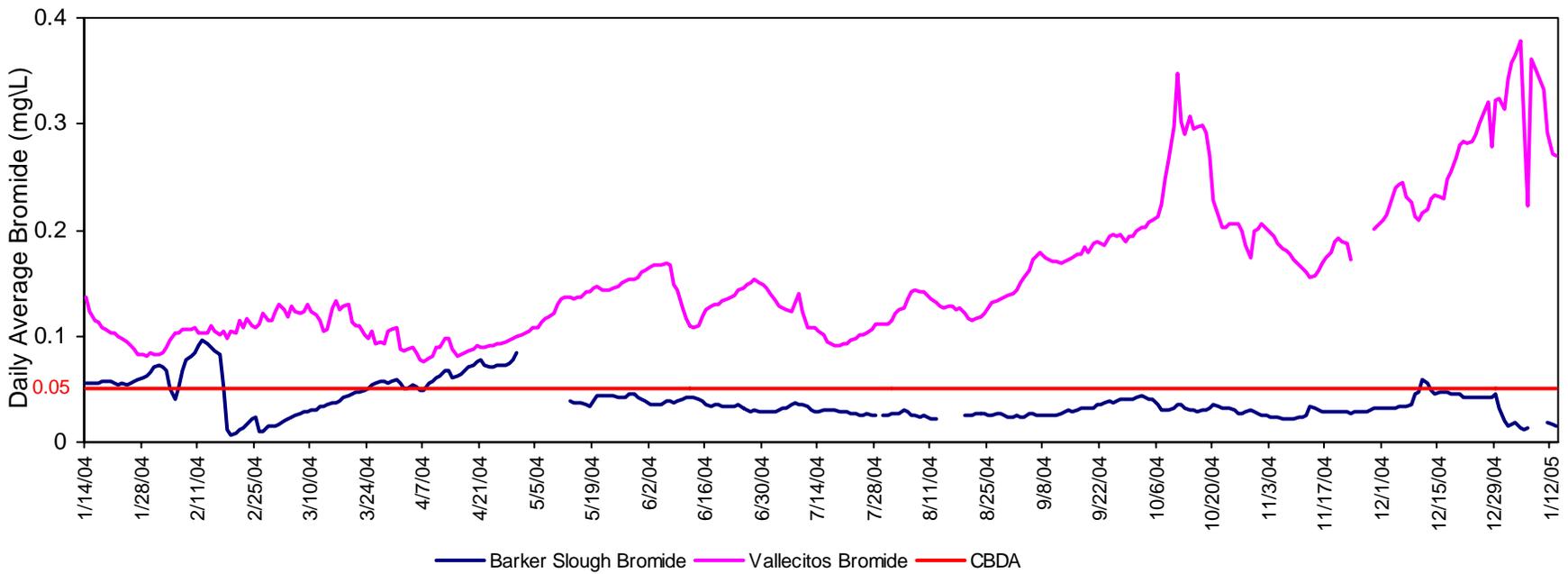
North and South Bay Aqueduct - Calculated Total Dissolved Solids



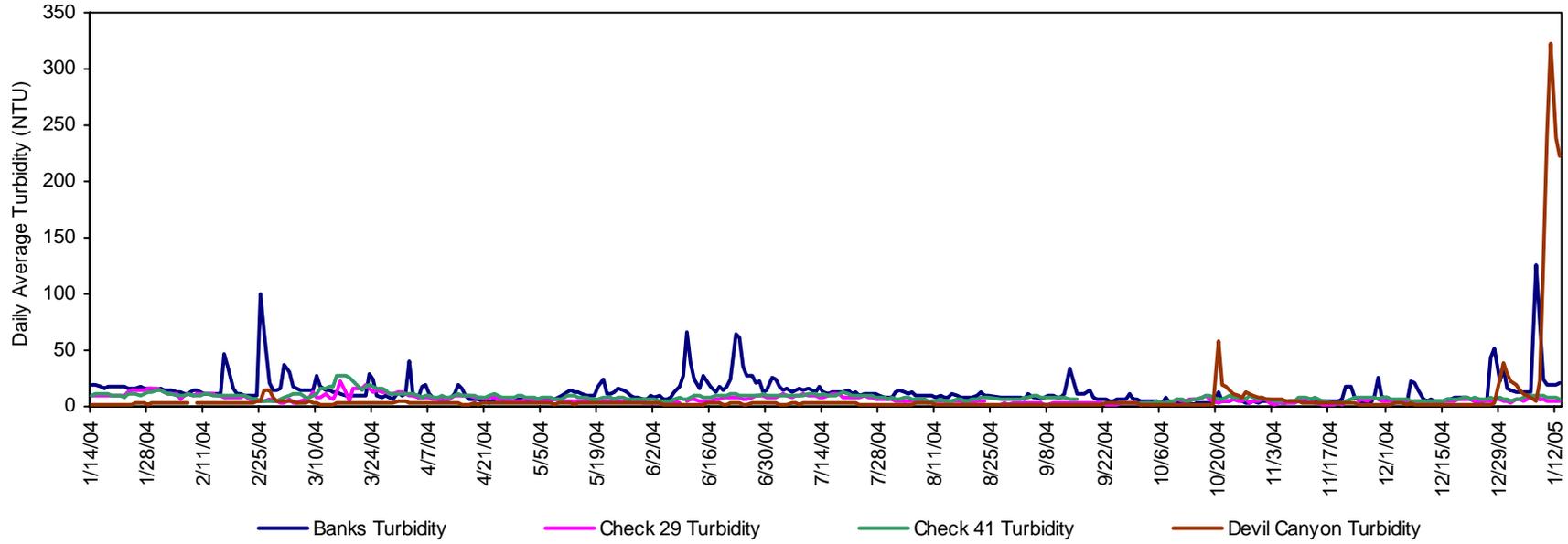
California Aqueduct - Calculated Bromide



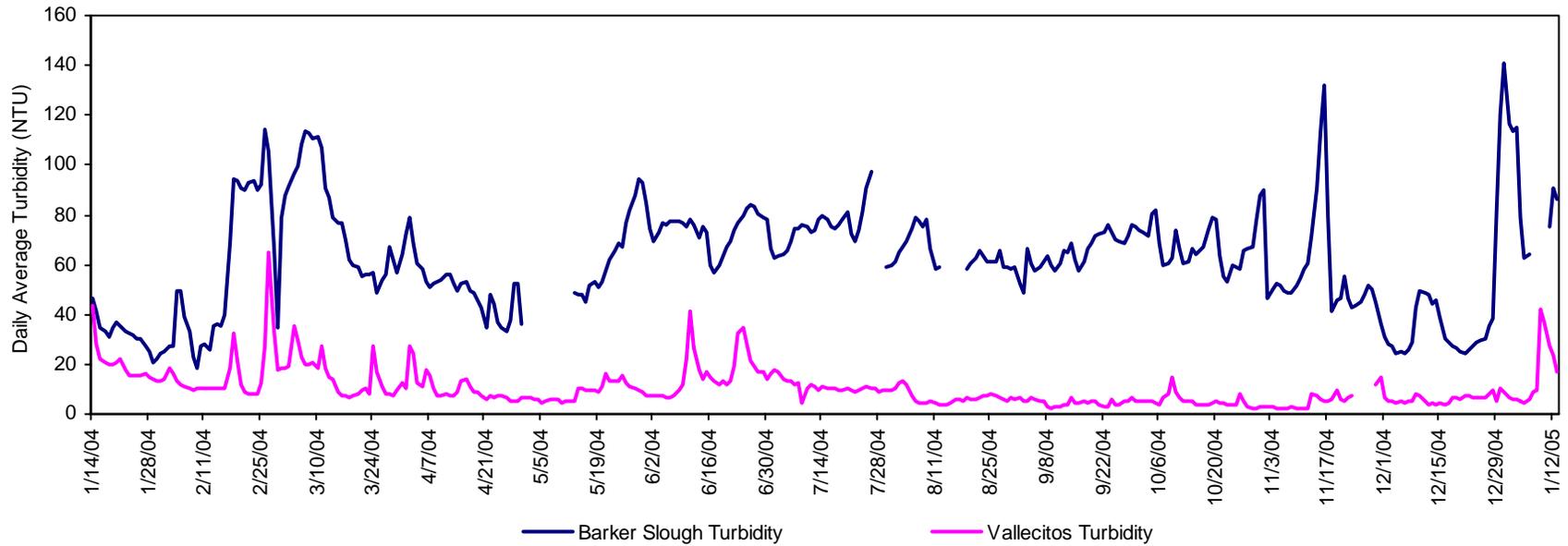
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct Calculated Dissolved Organic Carbon

