

SWP Water Quality Summary

January 11 to February 8, 2006

Total Dissolved Solids: TDS at Banks Pumping Plant (BPP), Checks 29, 41 and Devil Canyon increase from early to late January 2006, while the increases at Barker Slough and Vallecitos started from late January 2006. TDS was at BPP (206 mg/l), Check 29 (259 mg/l) Check 41 (390 mg/l) and Devil Canyon (375 mg/l). TDS at all locations remained below Article 19 Monthly Average Objective of 440 mg/l. TDS declined significantly with the high Delta outflow in December and early January, but has increased as outflow subsided.

Bromide: Concentrations at BPP, Barker Slough and Vallecitos increased starting from January 11, 2006. In the first week of February 2006, bromide at BPP and Barker Slough increased from 0.04 to 0.12 mg/l and 0.06 to 0.18 mg/l, respectively. All the sites exceeded the CBDA Objective of 0.05 mg/l. The highest concentrations of 0.20 mg/l occurred at Devil Canyon on February 8, 2006.

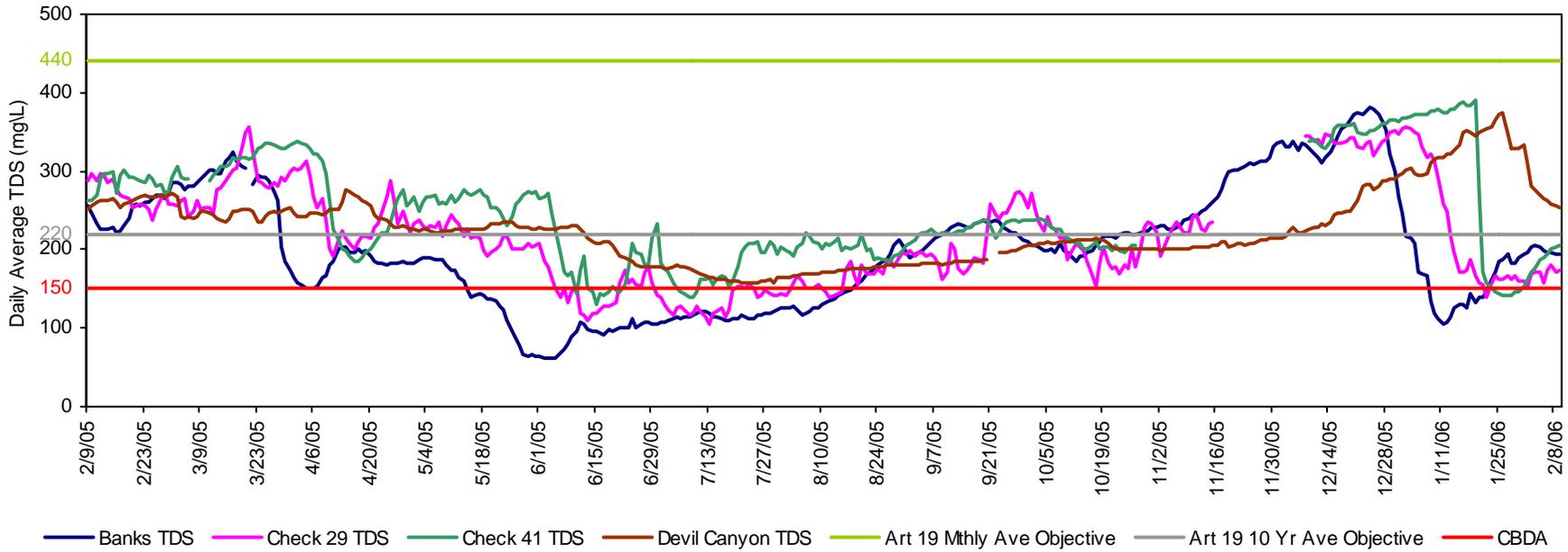
Turbidity: Decreased at all locations decreased except at Devil Canyon and Vallecitos. Turbidity decreased from 12 to 6, 14 to 10, 16 to 7 NTU and 15 to 7 NTU at BPP, Checks 29, 41 and Vallecitos, respectively from January 11 to February 8, 2006. The greatest decrease of 9 NTU occurred at Check 41.

Dissolved Organic Carbon: Concentrations remained above the CALFED TOC Objective of 3.0 mg/l since January 1, 2006. DOC at BPP and Check 13 increased from 4.0 to 5.0 mg/l and 3.9 to 4.1 mg/l, respectively from January 11 to February 8, 2006. However, these increases are within the normal background level for Delta water this time of the year.

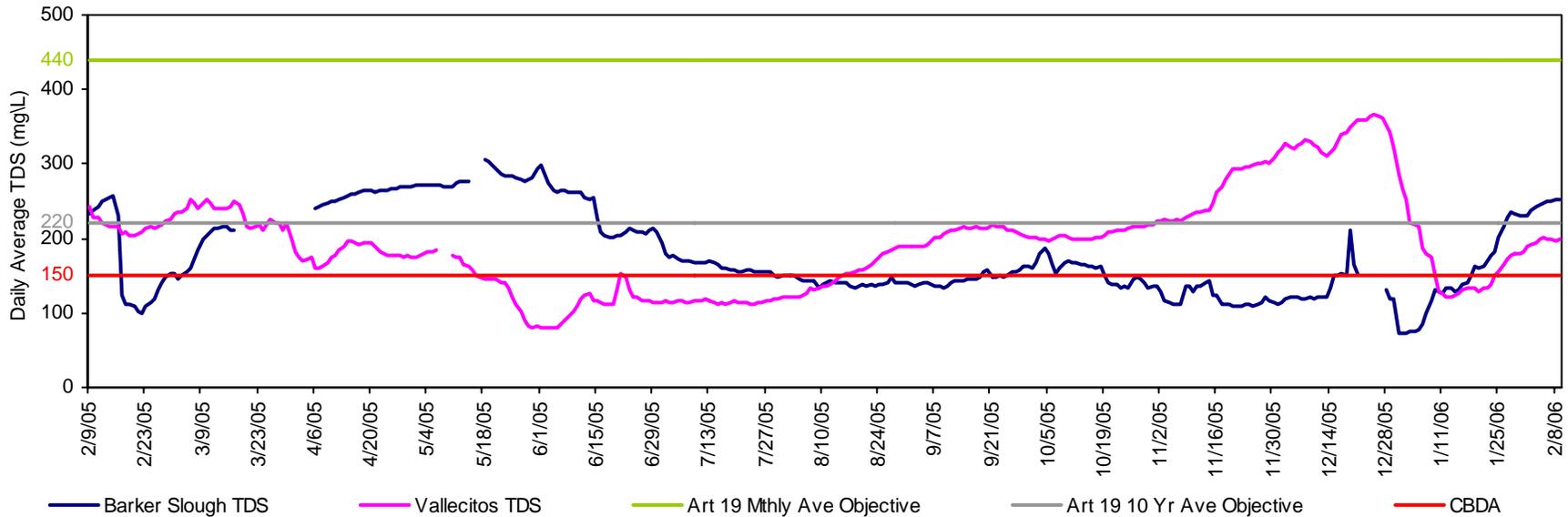
Taste and Odor Compounds: Taste and odor compounds, MIB and geosmin remained low project-wide since December 2005. Current 2006 data showed that MIB and geosmin were below detection at San Luis Reservoir intake, Pacheco Pumping Plant, Del Valle Check 7, and BPP. Geosmin was 2 ng/l at Clifton Court inlet and O'Neill outlet.

Ground Water Pump-in: None.

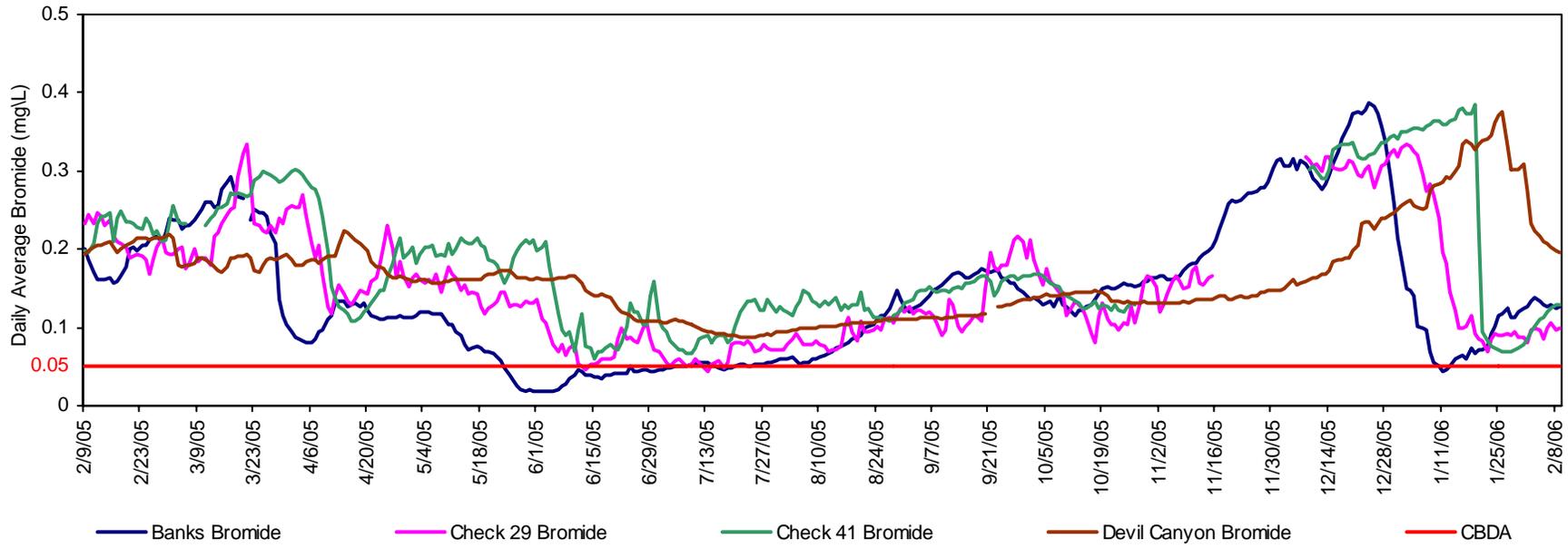
California Aqueduct - Calculated Total Dissolved Solids



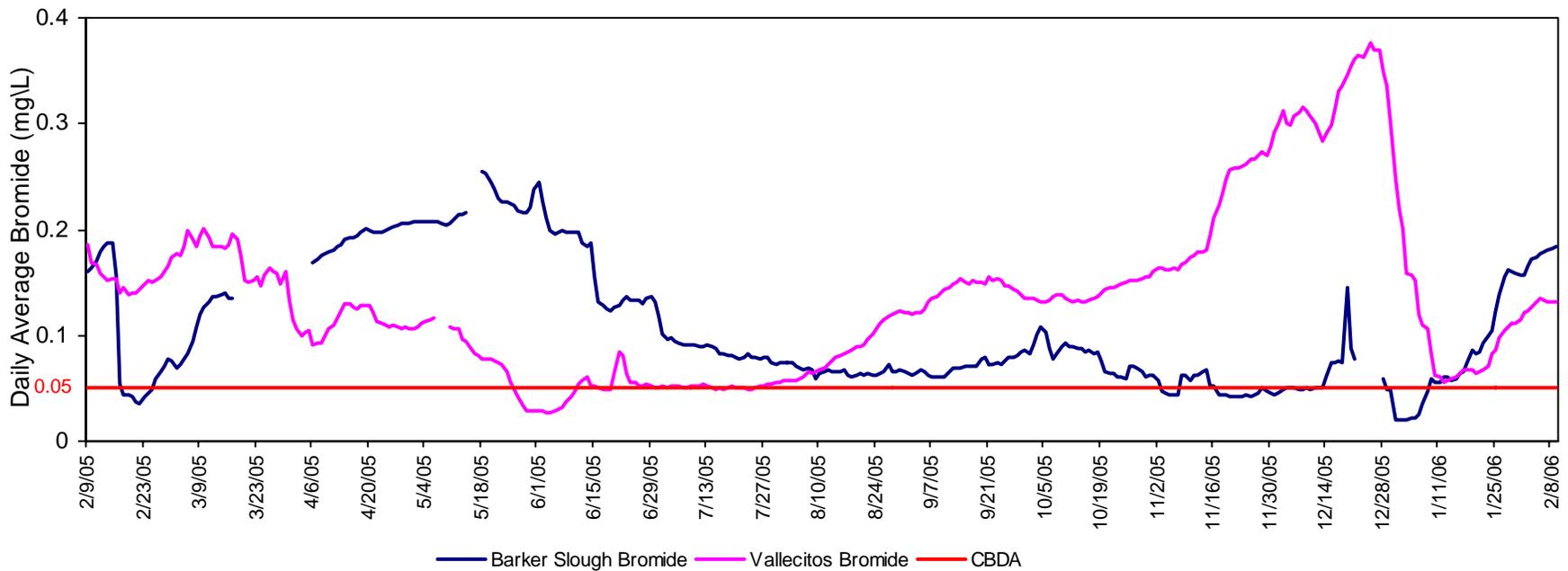
North and South Bay Aqueduct - Calculated Total Dissolved Solids



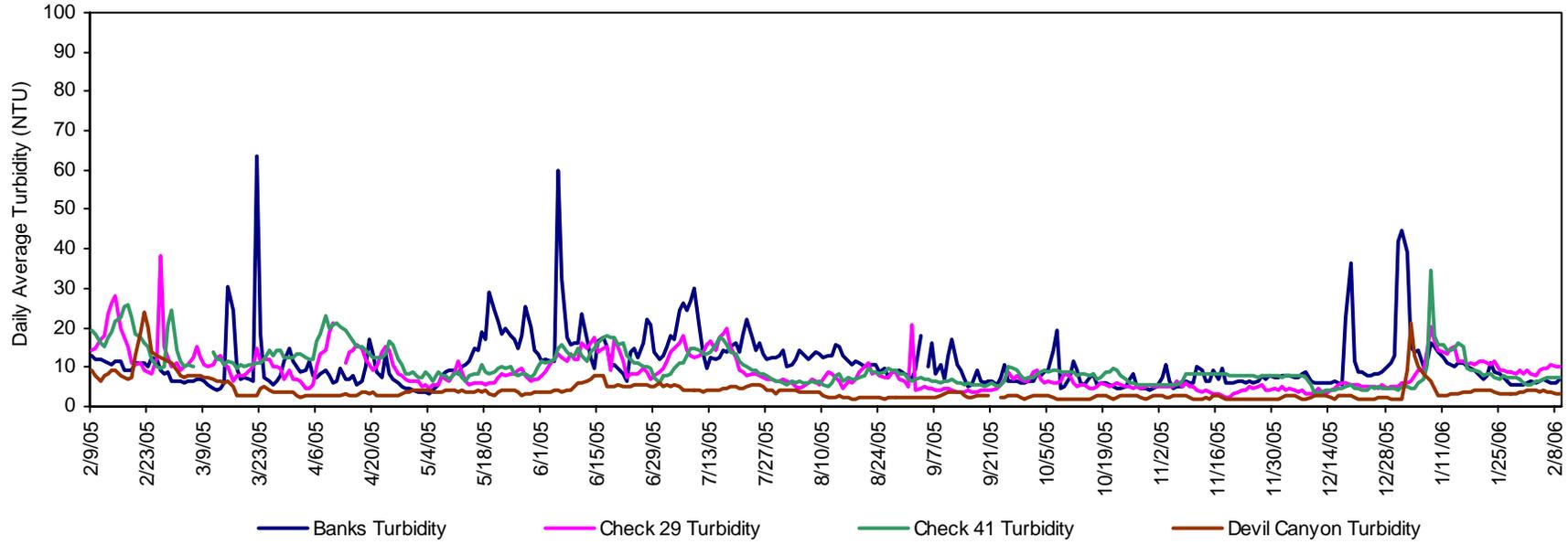
California Aqueduct - Calculated Bromide



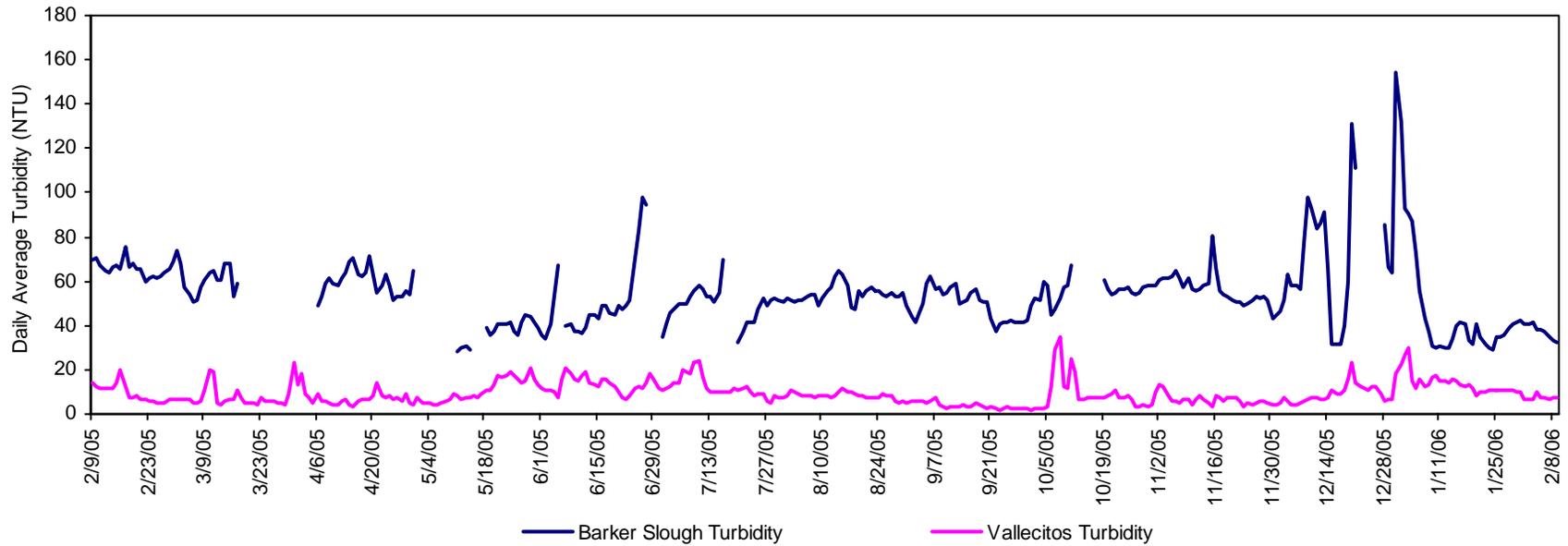
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct Calculated Dissolved Organic Carbon

