SWP Water Quality Summary

December 12 to January 9, 2008

Total Dissolved Solids: This month's data show TDS gradually increasing at Banks Pumping Plant (BPP), Checks 29, 41 and Vallecitos stations. Concentrations ranged from 155 to 423 mg/L (258 to 705 uS/cm). TDS at all locations remained below the Article 19 Monthly Average Objective of 440 mg/L. The highest concentration of 423 mg/L (705 uS/cm) occurred at BBP while the lowest concentration of 155 mg/L (258 uS/cm) occurred at Barker Slough on January 9, 2008. Concentrations increased this month at BPP from 294 to 423 mg/L (491 to 705 uS/cm). The increase observed at BPP may be due to the recent rainfall and runoff events

Bromide: Concentrations exceeded the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L at all locations. Concentrations ranged from 0.15 to 0.45 mg/L. Barker Slough had the lowest concentration of 0.15 mg/L, followed by Devil Canyon with 0.28 mg/L while the highest concentration of 0.45 mg/L occurred at BPP. The concentration at BPP increased from 0.23 to 0.45 mg/L as of January 9, 2008.

Turbidity: Turbidity levels ranged from 2 to 141 NTU this month. Turbidity at Barker Slough increased from 36 NTU on December 12 to 141 NTU on January 9, 2008, the greatest increase this month. The lowest concentration of 2 NTU occurred at Devil Canyon on January 9, 2008. Turbidity at BPP also increased from 7 to 22 NTU this month, possibly due to the recent rain and windstorms.

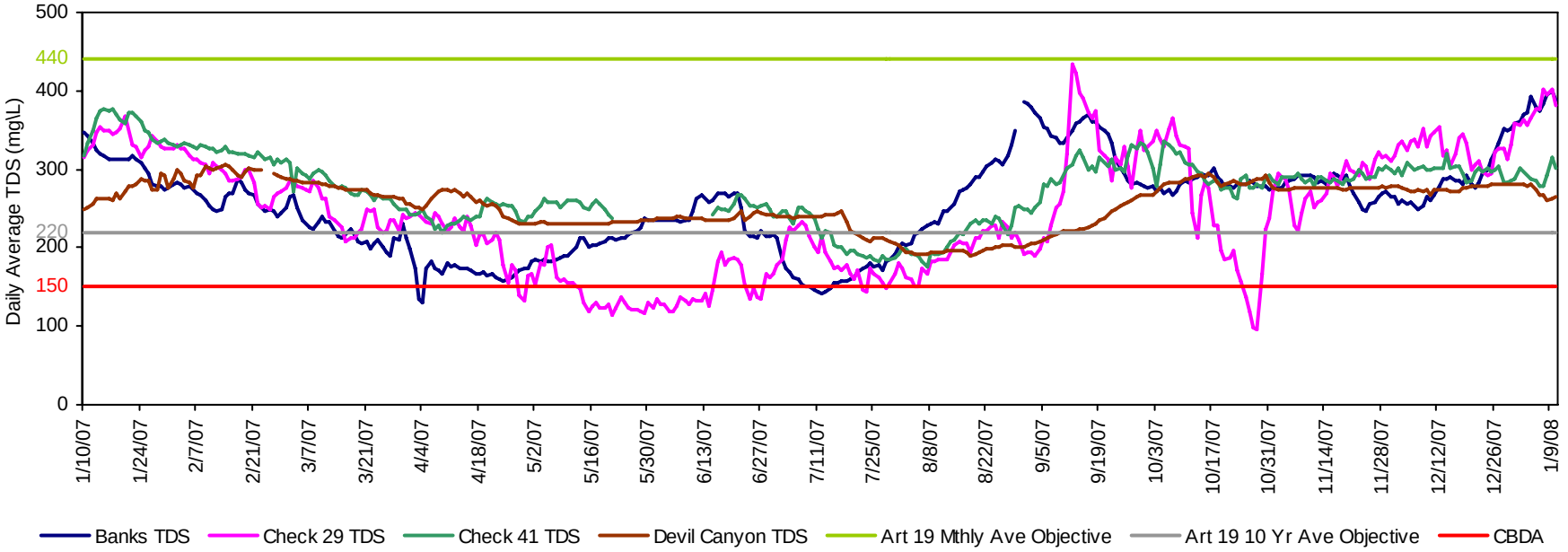
Dissolved Organic Carbon: Concentration decreased at Check 13 (1.6 mg/L) and Edmonston (0.4 mg/L) and were below the CALFED TOC Objective of 3.0 mg/L. However, DOC at BPP increased from 3.0 to 3.9 mg/L, reflecting the recent rain and windstorms events.

Taste and Odor Compounds: MIB and geosmin were generally low project wide, from November to present. Values at Clifton Court, BPP, O'Neil Outlet, Del Valle Check 7, Check 41, Check 66 and Lake Perris ranged from 2 to 11 ng/L. The highest concentrations of MIB (7 ng/L) and geosmin (11 ng/L) were detected at Check 66 and Check 41, respectively.

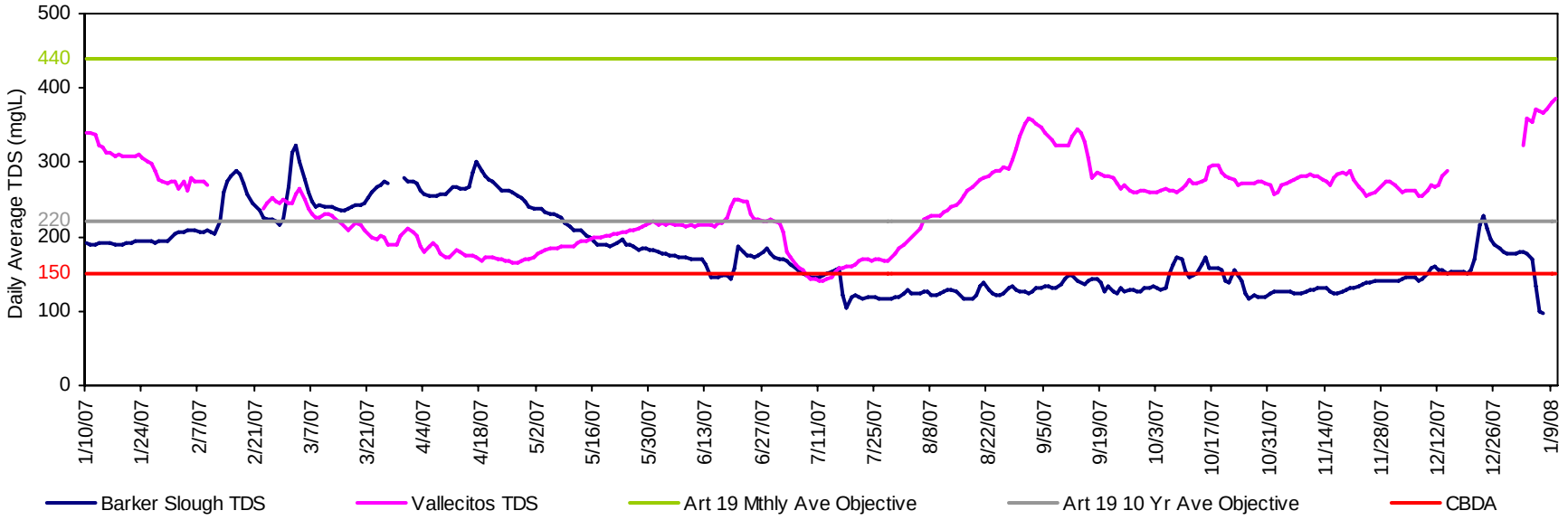
Note:

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://wwwomwq.water.ca.gov and click the "Autostation Data" link on the left side navigation bar.

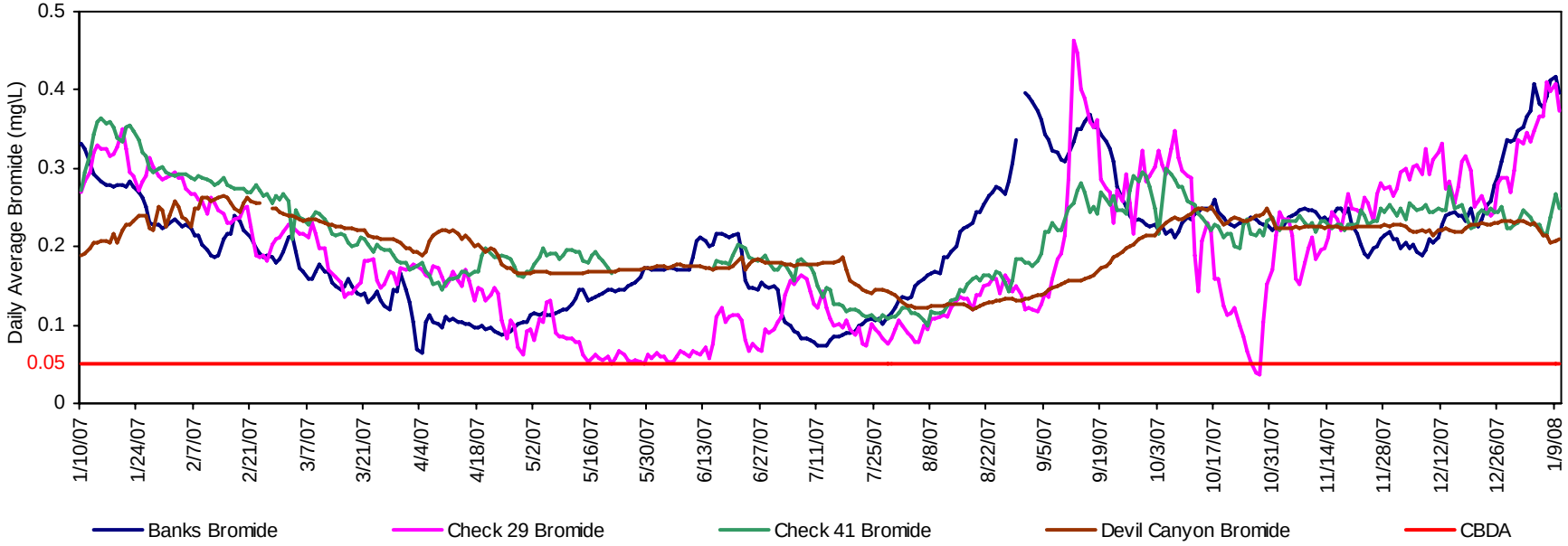
California Aqueduct - Calculated Total Dissolved Solids



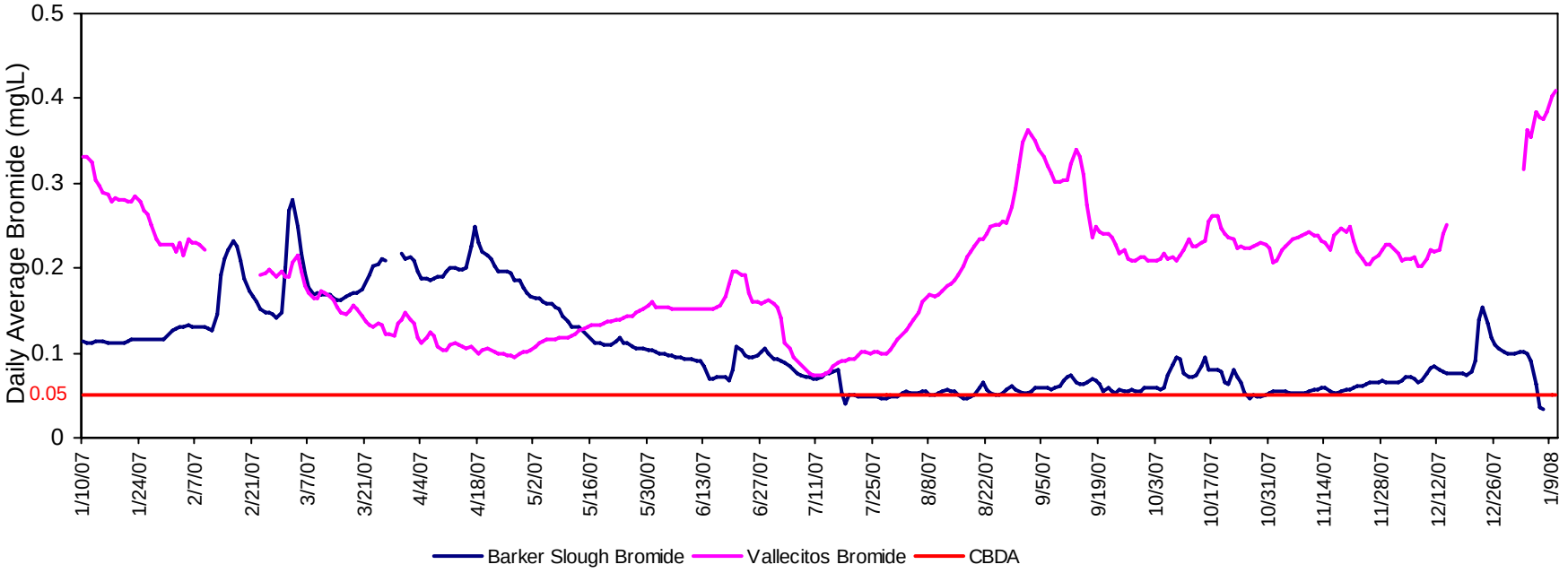
North and South Bay Aqueduct - Calculated Total Dissolved Solids



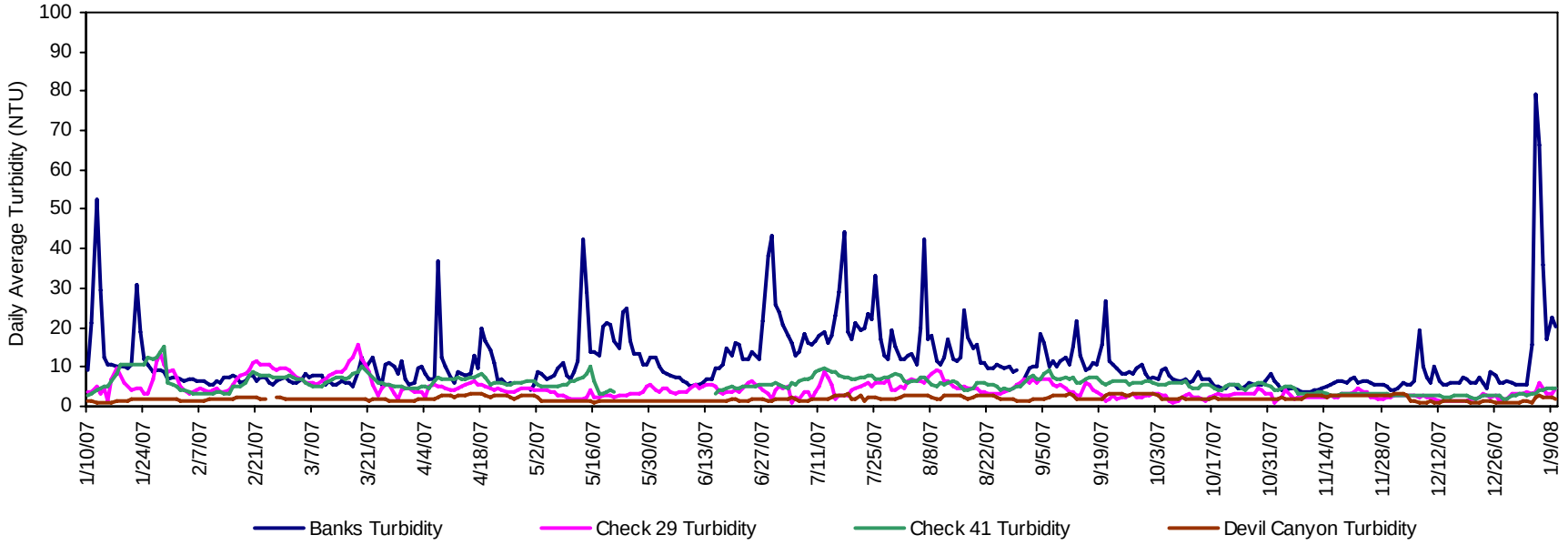
California Aqueduct - Calculated Bromide



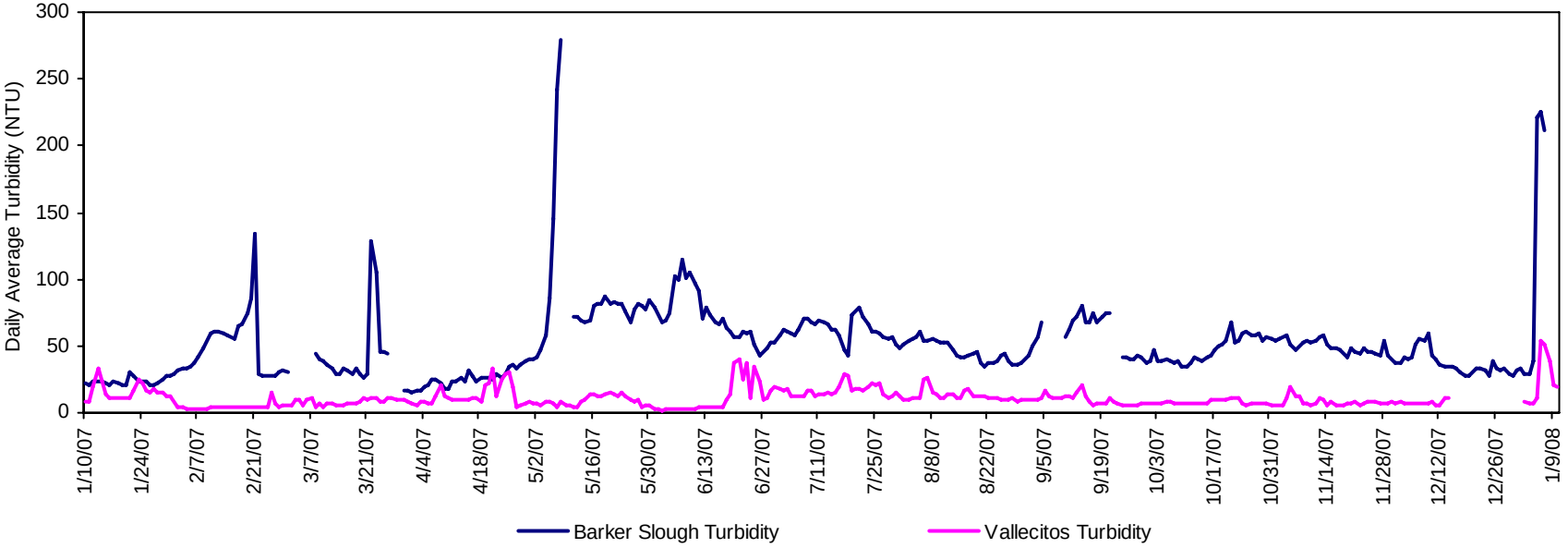
North and South Bay Aqueduct - Calculated Bromide

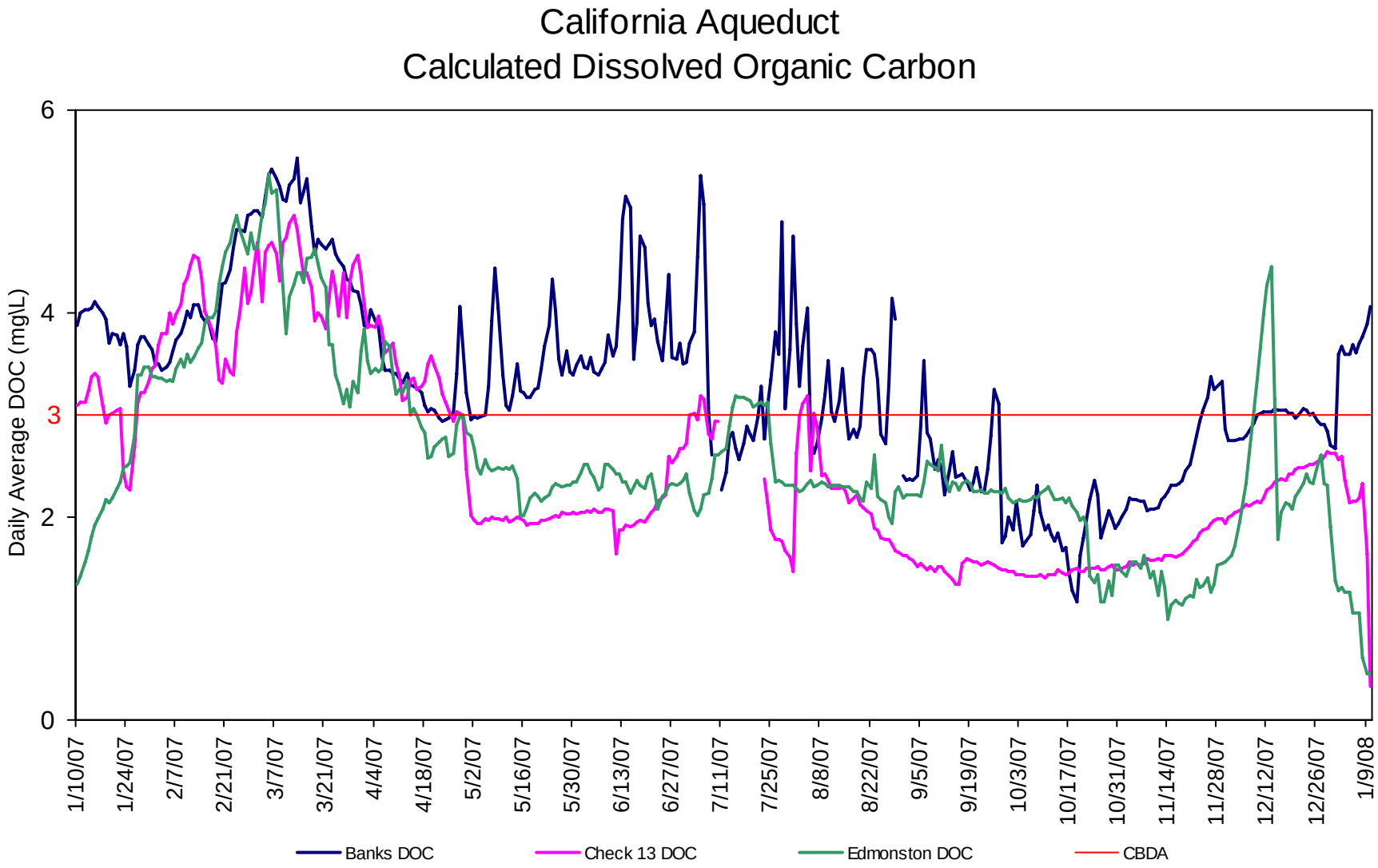


California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity




California Aqueduct
Calculated Dissolved Organic Carbon
Daily Average DOC (mg\L)
6
4
3
2
0
1/10/07
1/24/07
2/7/07
2/21/07
3/7/07
3/21/07
4/4/07
4/18/07
5/2/07
5/16/07
5/30/07
6/13/07
6/27/07
7/11/07
7/25/07
8/8/07
8/22/07
9/5/07
9/19/07
10/3/07
10/17/07
10/31/07
11/14/07
11/28/07
12/12/07
12/26/07
1/9/08
Banks DOC
Check 13 DOC
Edmonston DOC
CBDA