SWP Water Quality Summary

September 24 to October 1, 2008

TDS / Electrical Conductivity: Concentrations increased at Banks Pumping Plant (BPP), Check 29, Barker Slough and Vallecitos, but was unchanged at Devil Canyon, from September 24 to October 1, 2008. Concentrations ranged from 127 mg/L to 405 mg/L (220 µS/cm to 701 µS/cm), but remained below the Article 19 Monthly Average Objective of 440 mg/L (733 µS/cm). Daily average concentrations varied at all the locations. As of October 1, 2008, the lowest and highest concentrations of 157 mg/L (264 µS/cm) and 405 mg/L (701 µS/cm) occurred at Barker Slough and Check 29, respectively. Concentrations at BPP increased from 321 mg/L to 350 mg/L (567 µS/cm to 617 µS/cm), this week.

Bromide: Concentrations exceeded the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L at all locations and ranged from 0.06 mg/L to 0.42 mg/L. As of October 1, Barker Slough had the lowest concentration of 0.08 mg/L, followed by Devil Canyon with 0.22 mg/L while the highest concentration of 0.42 mg/L occurred at Check 29. Concentrations at BPP increased slightly from 0.29 mg/L to 0.33 mg/L as of October 1, 2008.

Turbidity: Turbidity levels increased at BPP and Devil Canyon, but decreased slightly at Check 29 and Barker Slough. Turbidity levels ranged from 0.7 NTU to 42 NTU as of October 1, 2008. The lowest level of 0.7 NTU occurred at Check 29 while the highest level of 42 NTU occurred at Barker Slough on October 1, 2008. BPP mean daily turbidity levels increased slightly from 4 NTU to 5 NTU as of October 1, 2008.

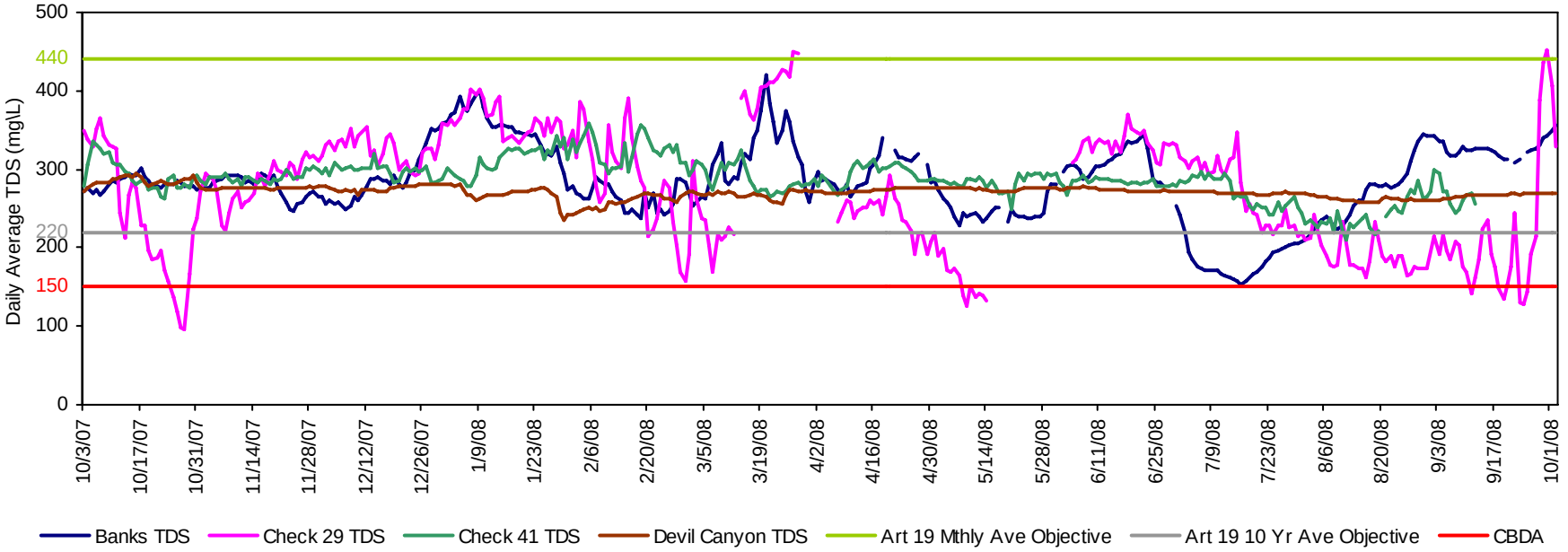
Dissolved Organic Carbon (DOC): Concentrations increased at BPP from 2.4 mg/L to 4.1 mg/L, at Check 13 from 2.2 mg/L to 2.4 mg/L, at Edmonston from 1.1 mg/L to 1.3 mg/L as of October 1, 2008.

Taste and Odor Compounds: MIB and geosmin remain low project-wide, ranging from non-detect to 8 ng/L at Clifton Court, BPP, Del Valle Check 7 and O'Neill Forebay Outlet as of October 1, 2008.

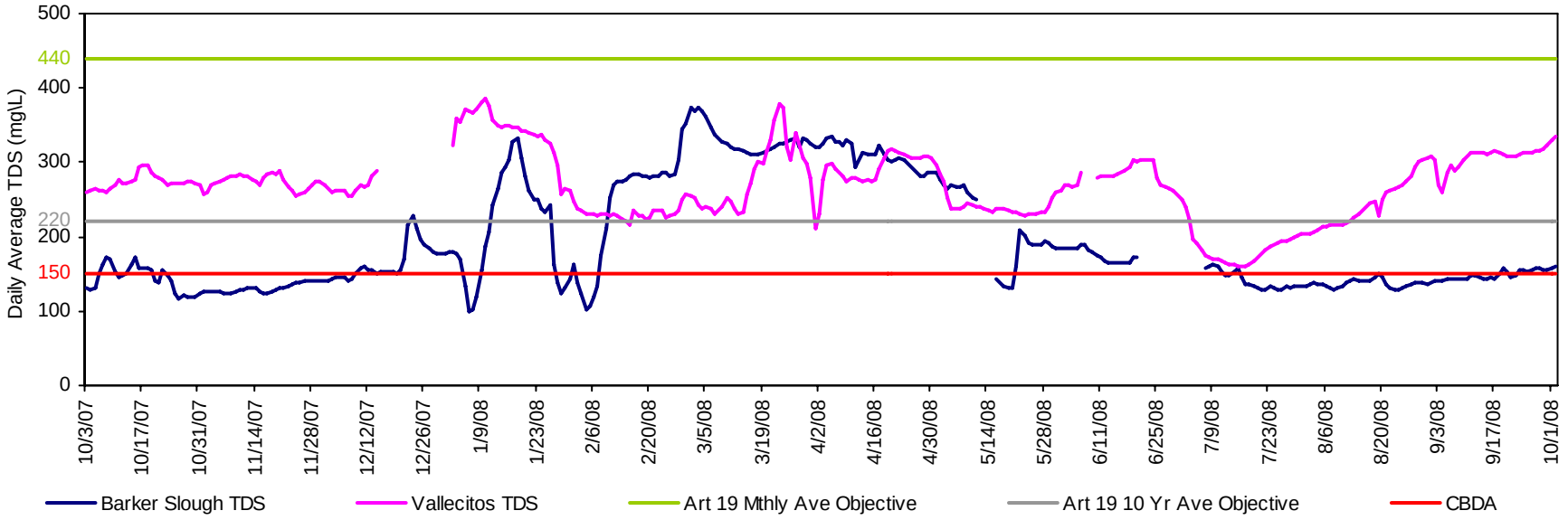
- There is no data for Check 41 because work is in progress to fix the malfunctioning instruments.

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.

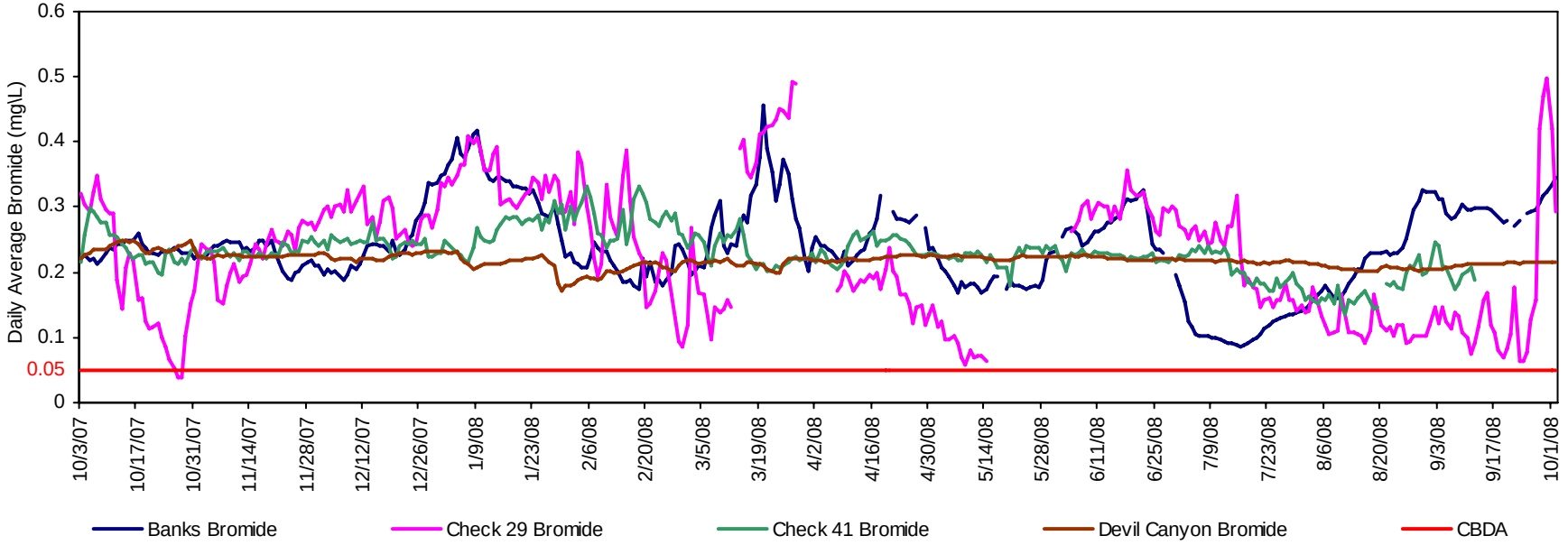
California Aqueduct - Calculated Total Dissolved Solids



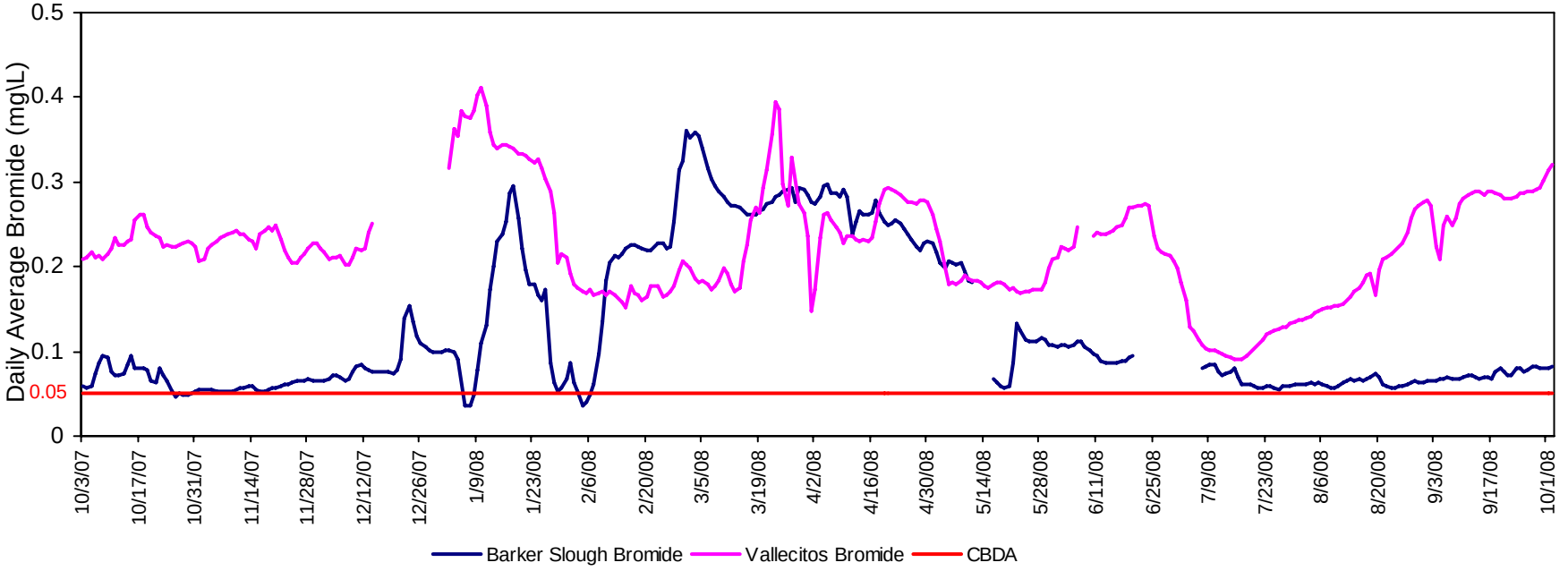
North and South Bay Aqueduct - Calculated Total Dissolved Solids



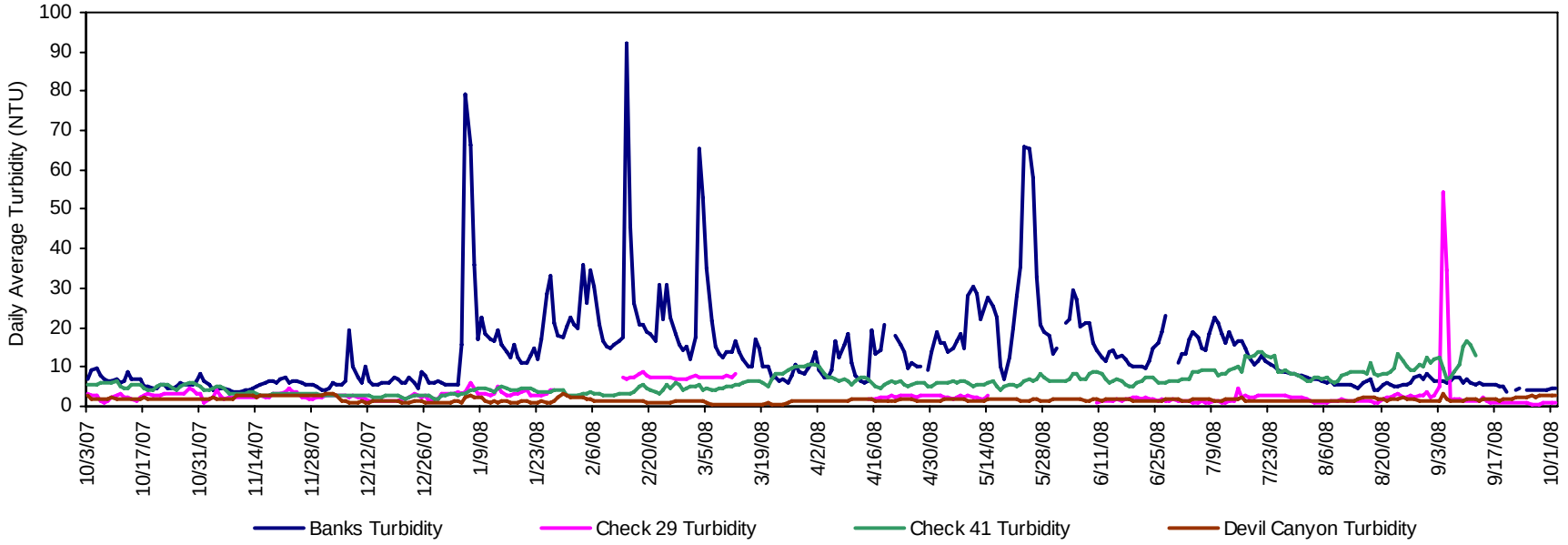
California Aqueduct - Calculated Bromide



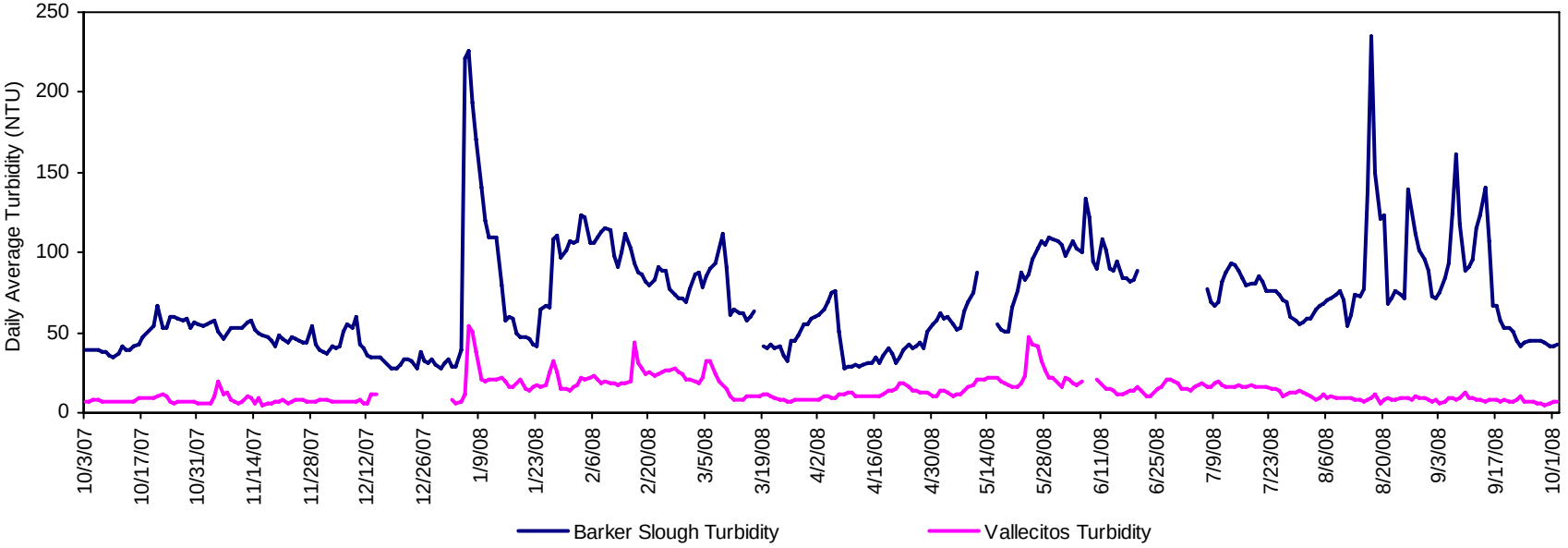
North and South Bay Aqueduct - Calculated Bromide

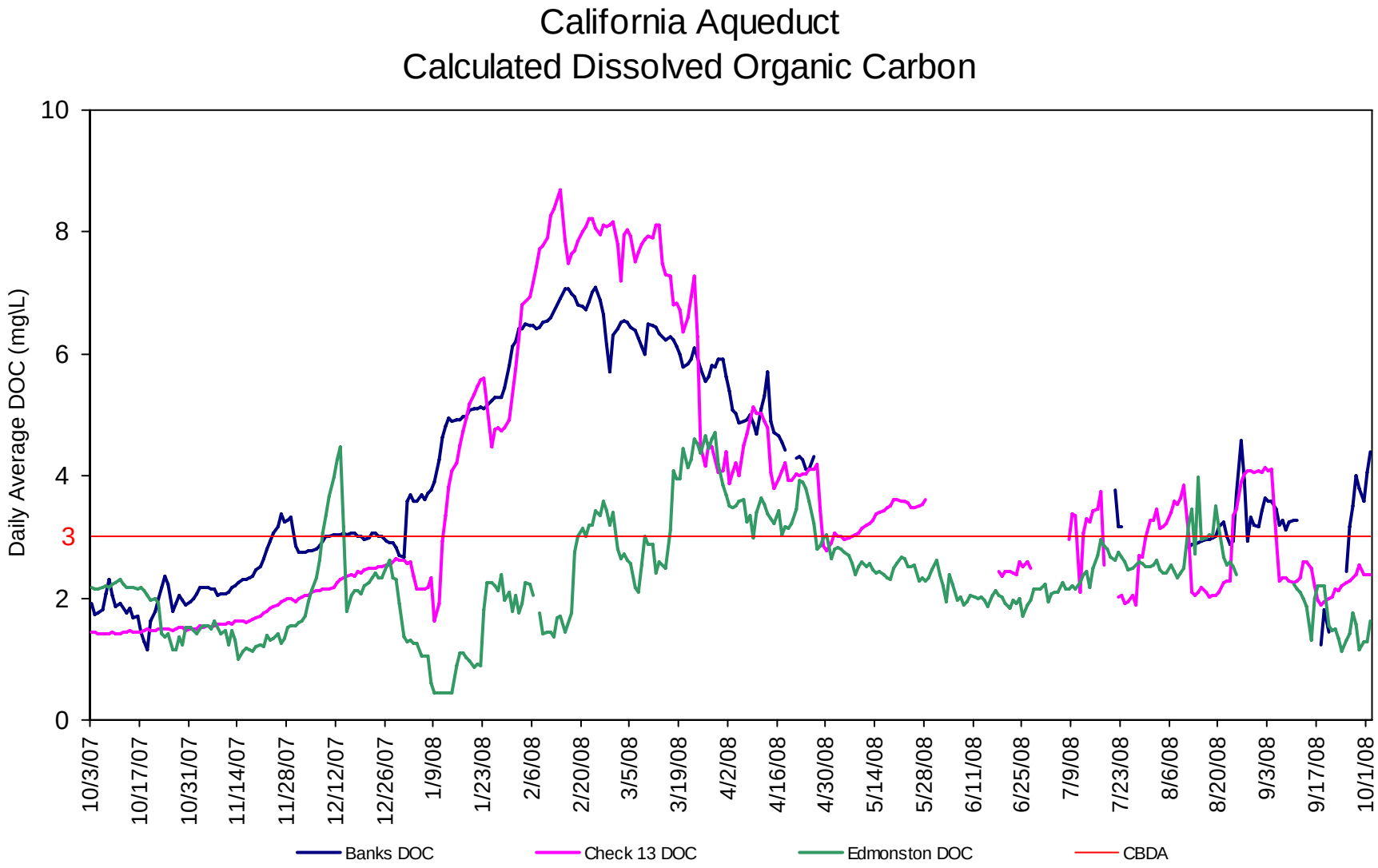


California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity




California Aqueduct
Calculated Dissolved Organic Carbon
Daily Average DOC (mg\L)
10
8
6
4
3
2
0
10/3/07
10/17/07
10/31/07
11/14/07
11/28/07
12/12/07
12/26/07
1/9/08
1/23/08
2/6/08
2/20/08
3/5/08
3/19/08
4/2/08
4/16/08
4/30/08
5/14/08
5/28/08
6/11/08
6/25/08
7/9/08
7/23/08
8/6/08
8/20/08
9/3/08
9/17/08
10/1/08
Banks DOC
Check 13 DOC
Edmonston DOC
CBDA