SWP Water Quality Summary

February 20 to 27, 2008

Total Dissolved Solids: TDS increased at Banks Pumping Plant (BPP), Barker Slough and Vallecitos but decreased at Check 29, Checks 41 and Devil Canyon. Concentrations ranged from 203 mg/L to 341 mg/L (338 uS/cm to 568 uS/cm) and remained below the Article 19 Monthly Average Objective of 440 mg/L. The highest concentration of 341 mg/L (568 uS/cm) occurred at Check 41 on February 20, 2008 while the lowest concentration of 203 mg/L (338 uS/cm) occurred at Check 29 on February 27, 2008. Concentrations increased at BPP from 251 to 287 mg/L (418 uS/cm to 478 uS/cm), this week.

Bromide: Concentrations remain above the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L project wide, ranging from 0.13 mg/L to 0.31 mg/L. As of February 27, Check 29 had the lowest concentration of 0.13 mg/L, followed by Vallecitos with 0.18 mg/L while the highest concentration of 0.29 mg/L occurred at Check 41. The concentration at BPP increased slightly from 0.19 to 0.24 mg/L as of February 27, 2008.

Turbidity: Turbidity levels increased at Check 41 from 4 NTU to 6 NTU and Vallecitos from 25 NTU to 26 NTU, but decreased at BPP from 18 NTU to 16 NTU and from 79 NTU to 71 NTU at Barker Slough. Turbidity levels were unchanged at Check 29 (7 NTU), and Devil Canyon (1 NTU), this week.

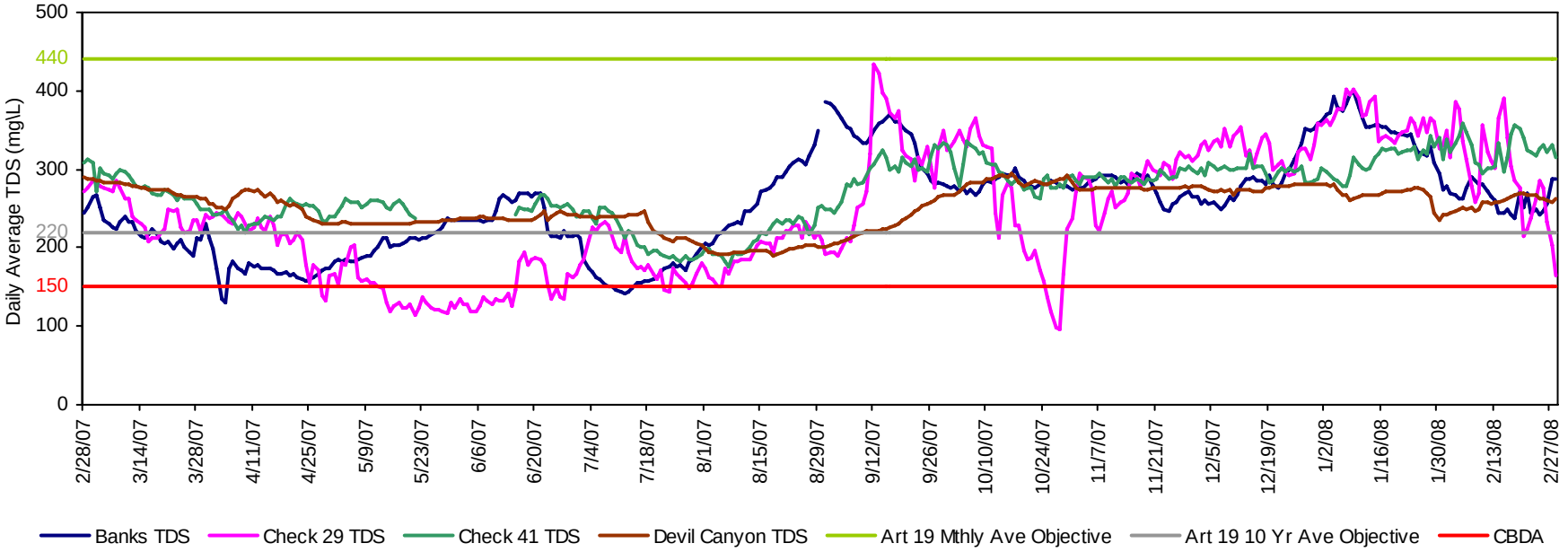
Dissolved Organic Carbon: Concentration decreased at BPP from 6.8 mg/L to 6.2 mg/L , but increased from 8.0 mg/L to 8.1 mg/L and from 3.1 mg/L to 3.4 mg/L at Check 13 and Edmonston, respectively, this week. Concentration at all the locations exceeded the CALFED TOC Objective of 3.0 mg/L.

Taste and Odor Compounds: MIB and geosmin continue to be low project wide, ranging from non-detect to 3 ng/L at Check 41, Check 66, Castaic Lake, SilverWood Lake and Lake Perris as of February 19, 20 and 21, 2008.

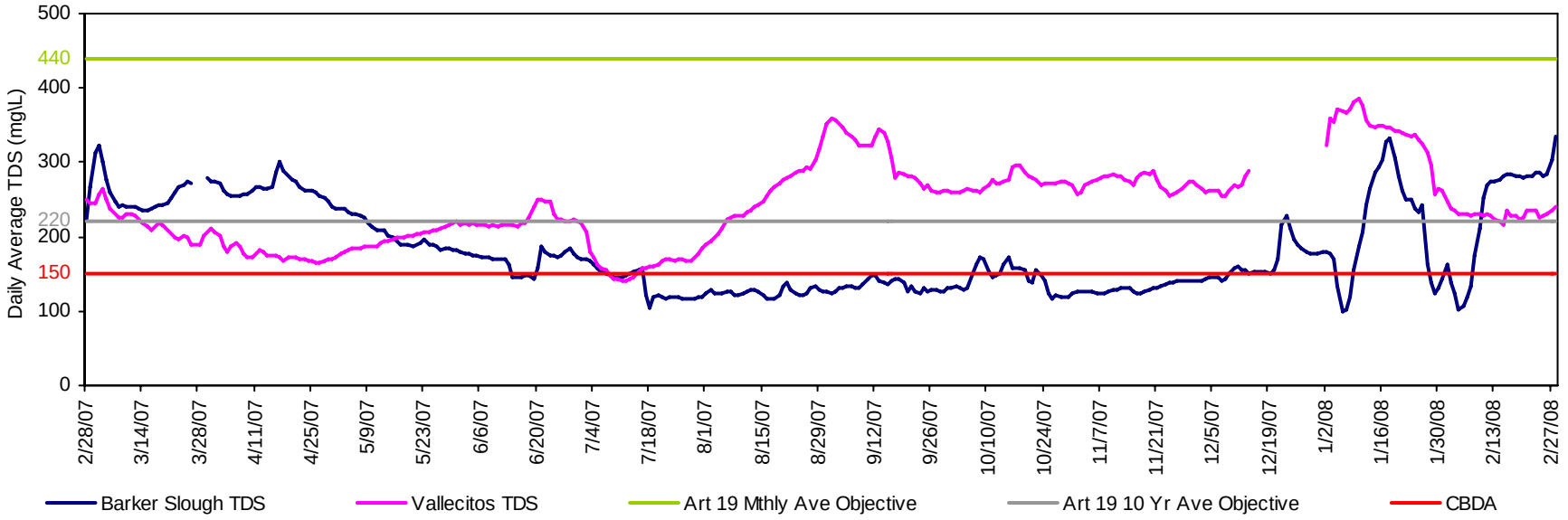
Note:

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 Austine Eke @ 916-653-7227 or Cindy Garcia @ 916-653-7213. 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.

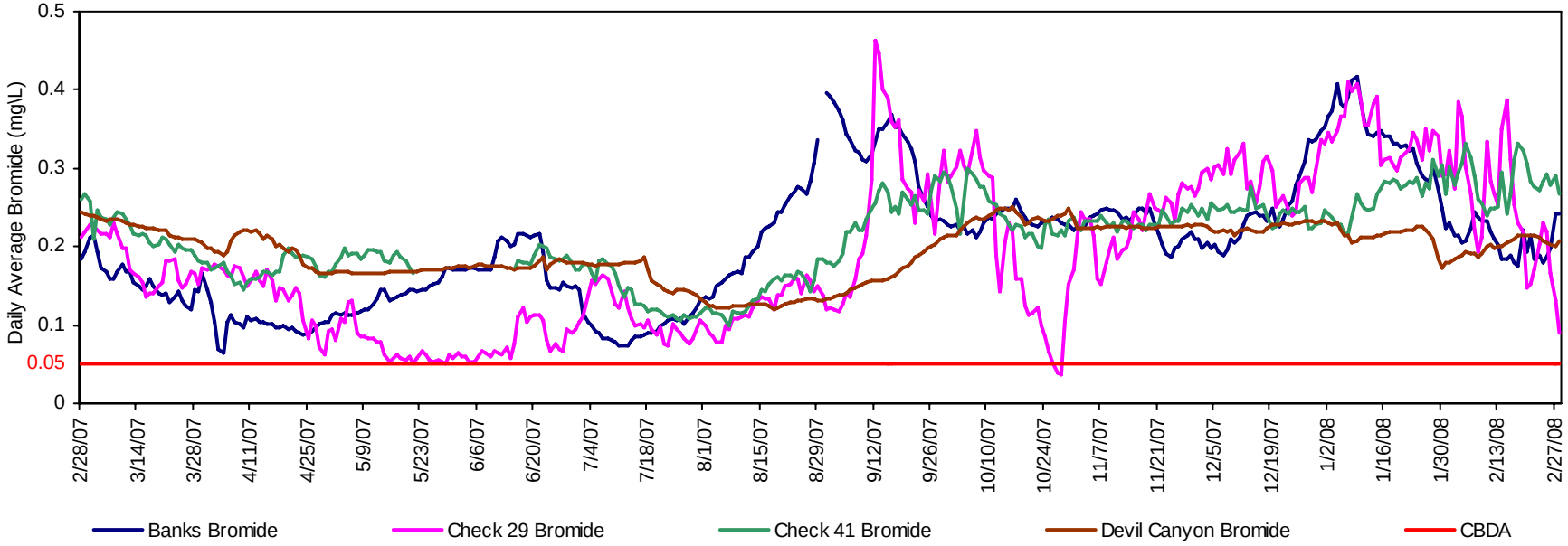
California Aqueduct - Calculated Total Dissolved Solids



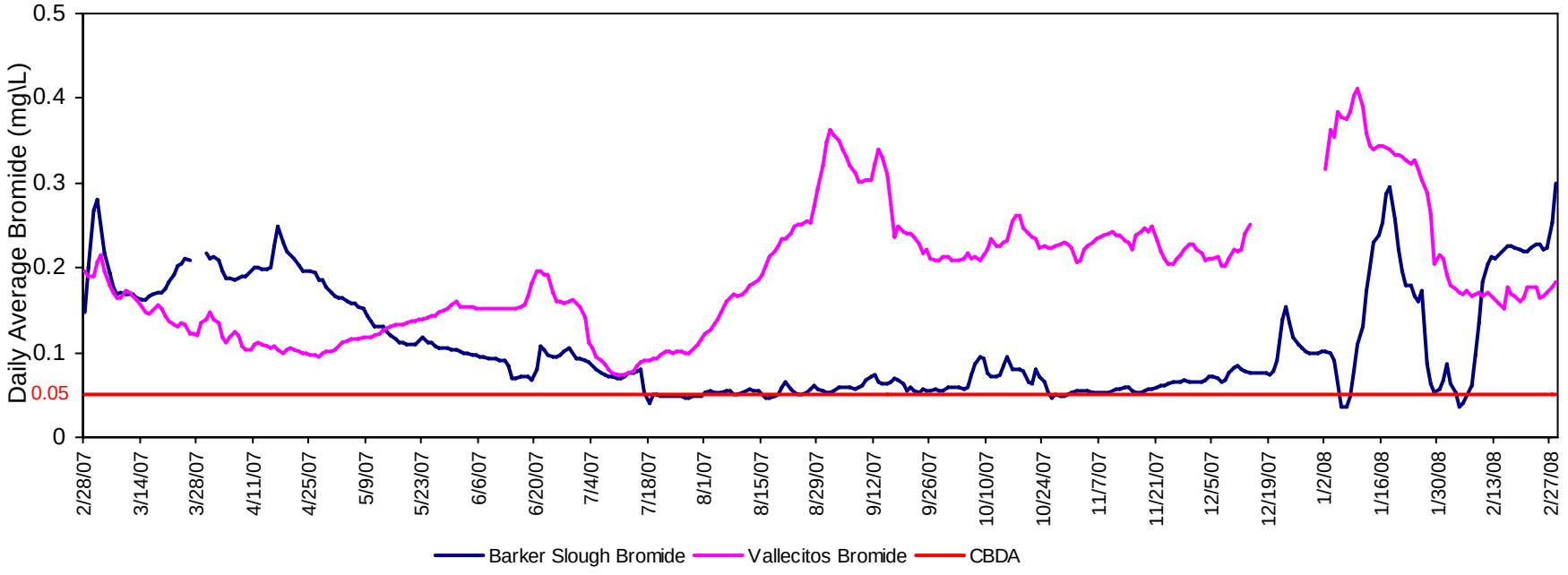
North and South Bay Aqueduct - Calculated Total Dissolved Solids



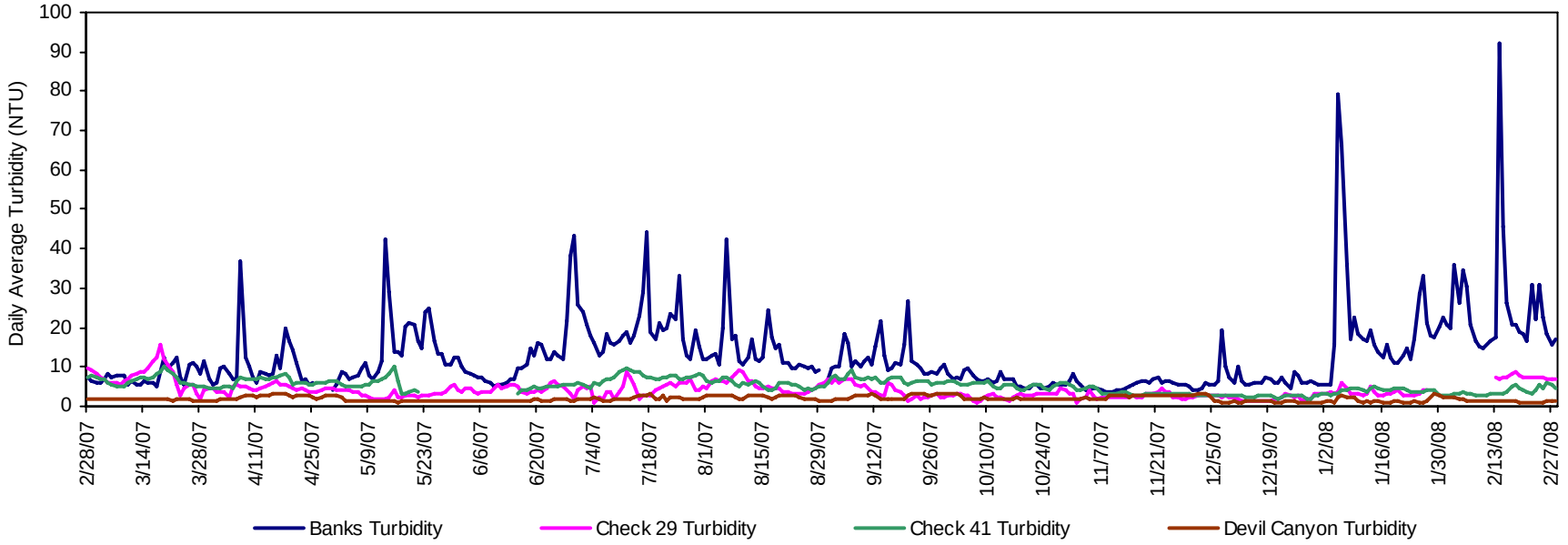
California Aqueduct - Calculated Bromide



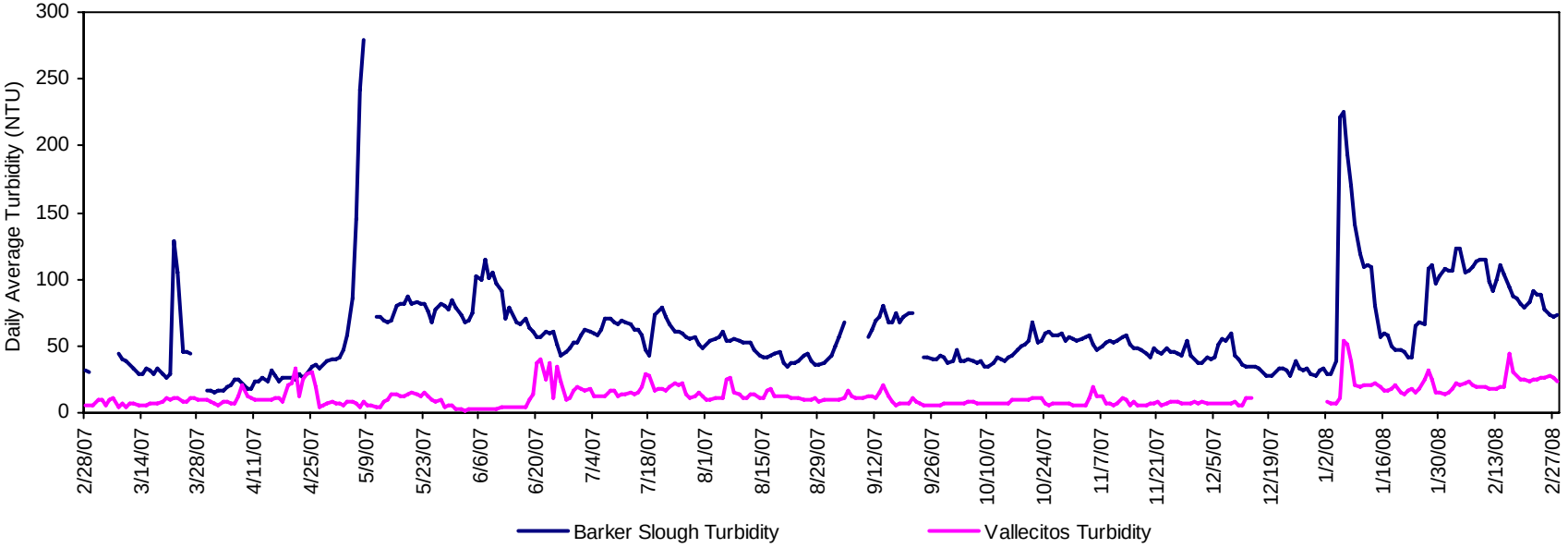
North and South Bay Aqueduct - Calculated Bromide

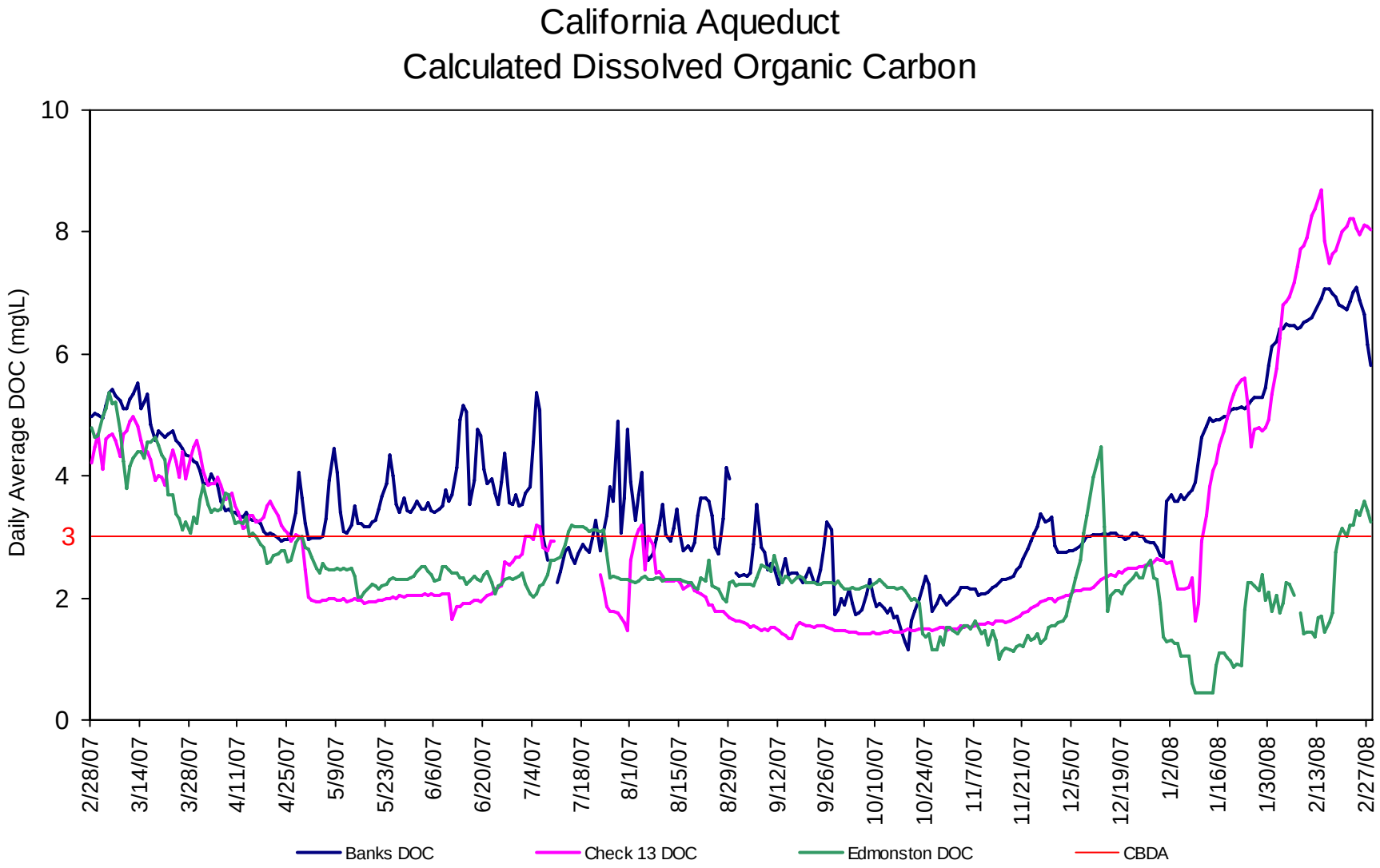


California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity




California Aqueduct
Calculated Dissolved Organic Carbon
Daily Average DOC (mg\L)
10
8
6
4
3
2
0
2/28/07
3/14/07
3/28/07
4/11/07
4/25/07
5/9/07
5/23/07
6/6/07
6/20/07
7/4/07
7/18/07
8/1/07
8/15/07
8/29/07
9/12/07
9/26/07
10/10/07
10/24/07
11/7/07
11/21/07
12/5/07
12/19/07
1/2/08
1/16/08
1/30/08
2/13/08
2/27/08
Banks DOC
Check 13 DOC
Edmonston DOC
CBDA