# SWP Water Quality Summary

August 13 to September 21, 2006

**Total Dissolved Solids**: This month's data show TDS increasing slightly at all stations except at Check 41 and Devil Canyon, which decreased from 195 to 187 mg/l and 174 to 173 mg/l. Nevertheless, TDS at all locations remained below Article 19 Monthly Average Objective of 440 mg/l. The highest concentration of 187 mg/l occurred at Check 41, while Banks Pumping Plant (BPP) and Barker Slough had the lowest concentrations of 144 and 135 mg/l, respectively.

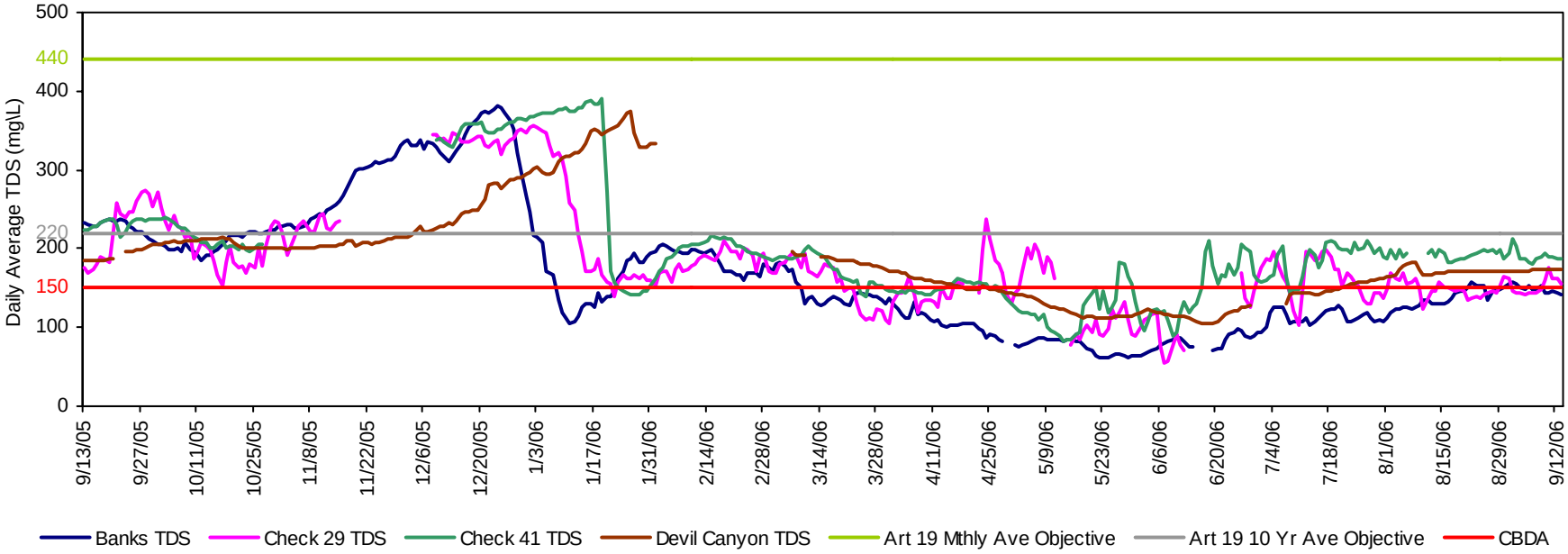
**Bromide:** Concentrations exceeded the CBDA Objective of 0.05 mg/l at all locations. Concentrations ranged from 0.06 to 0.11 mg/l. BPP, Barker Slough and Vallecitos had the lowest concentrations of 0.07, 0.06, and 0.08 mg/l, respectively. The highest concentration of 0.11 mg/l occurred at Check 41 on September 12, 2006.

**Turbidity**: Turbidity decreased at all locations except at Devil Canyon, which increased from 2 to 3 NTU. The greatest decrease of 15 NTU occurred at Barker Slough. The highest concentration of 56 NTU also occurred at Barker Slough while the lowest of 3 NTU was at Check 29 and Devil Canyon.

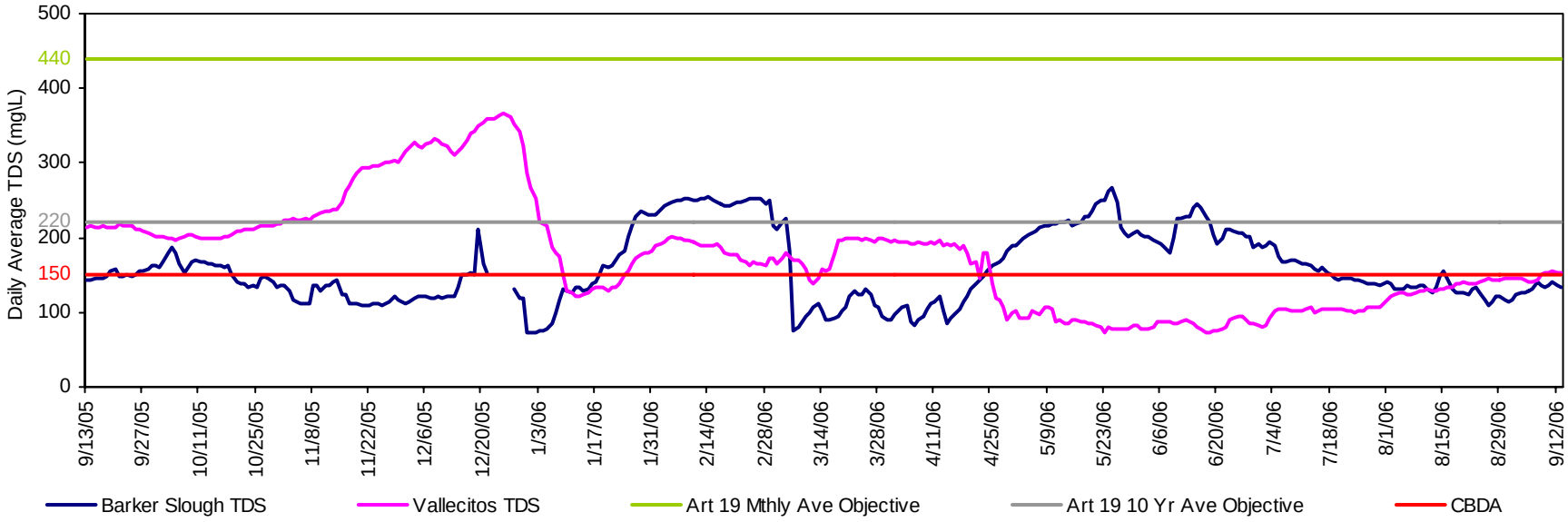
**Dissolved Organic Carbon**: Concentrations were below the CALFED TOC Objective of 3.0 mg/l at all locations except at BPP. The lowest concentration of 2.5 mg/l occurred at Edmonston followed by Check 13 with 2.9 mg/l. The UVA instrument at BPP appears to be malfunctioning, nevertheless, the correct DOC concentration remains at about 2.5 mg/l.

**Taste and Odor Compounds:** MIB and geosmin concentrations ranged from 2 to 32 ng/l at Clifton Court inlet, BBP and Del Valle Check 7. MIB and geosmin were 4 and 16 ng/L at the Clifton Court Outlet and at at BPP 5 ng/L and 32 ng/L.

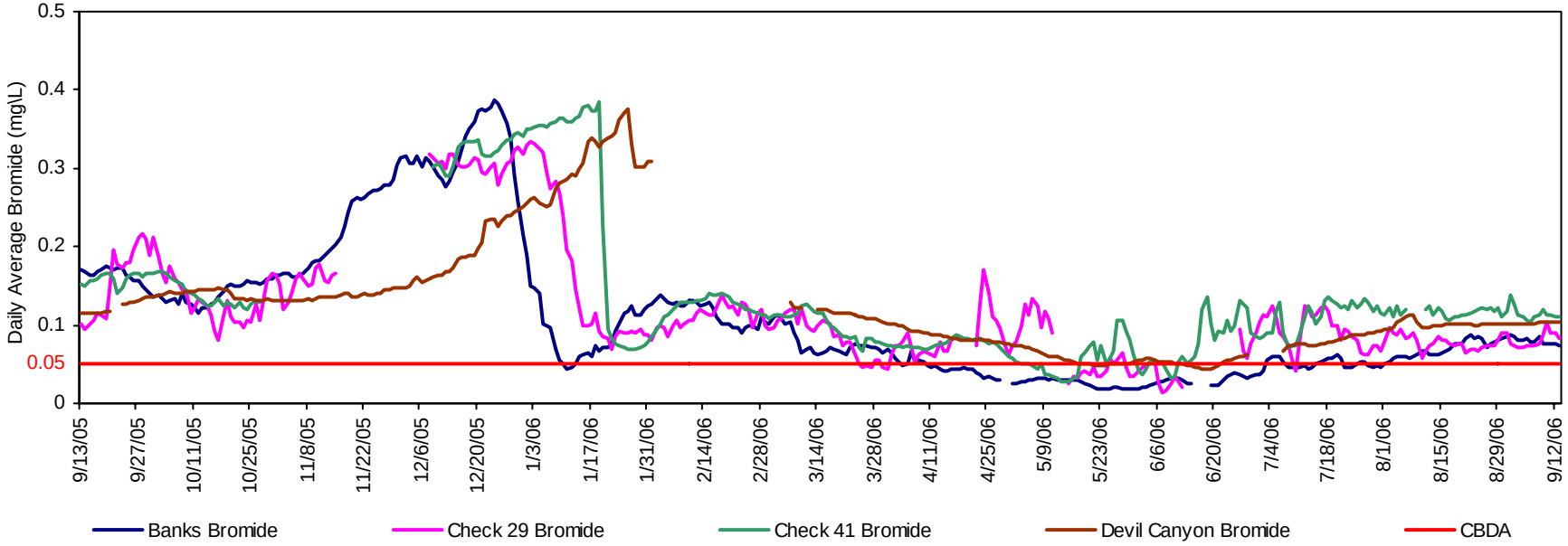
## California Aqueduct - Calculated Total Dissolved Solids



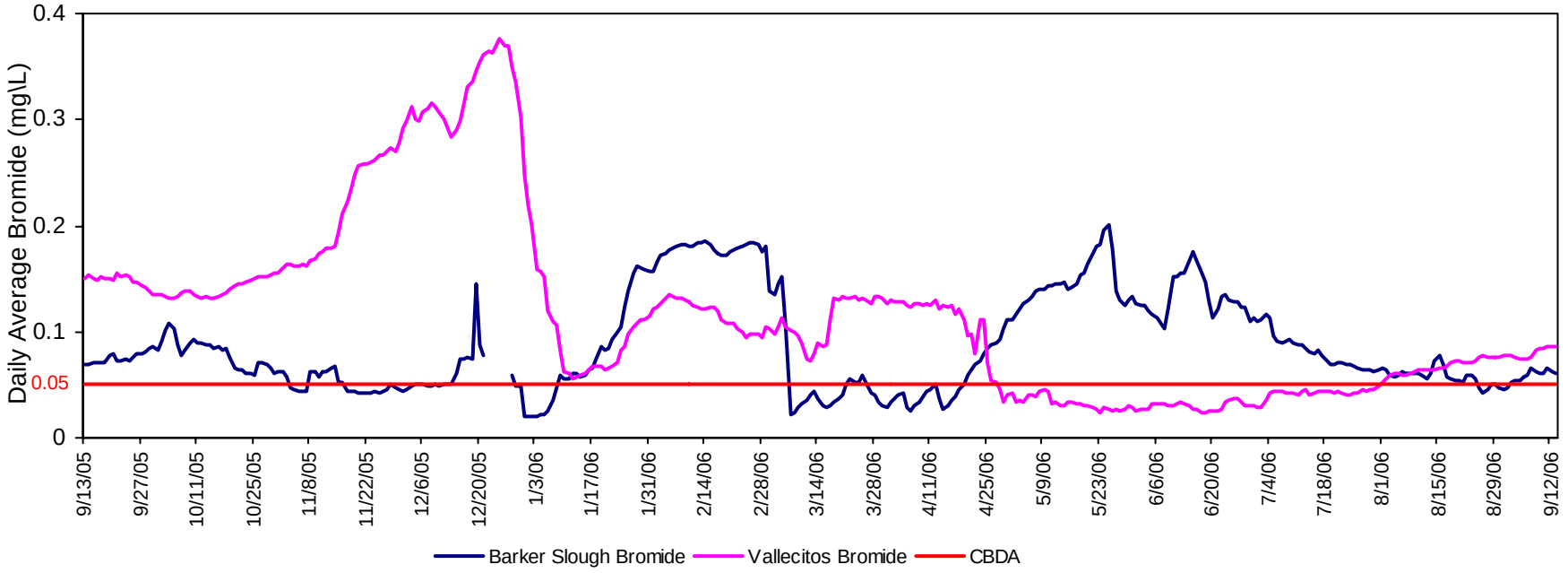

## North and South Bay Aqueduct - Calculated Total Dissolved Solids



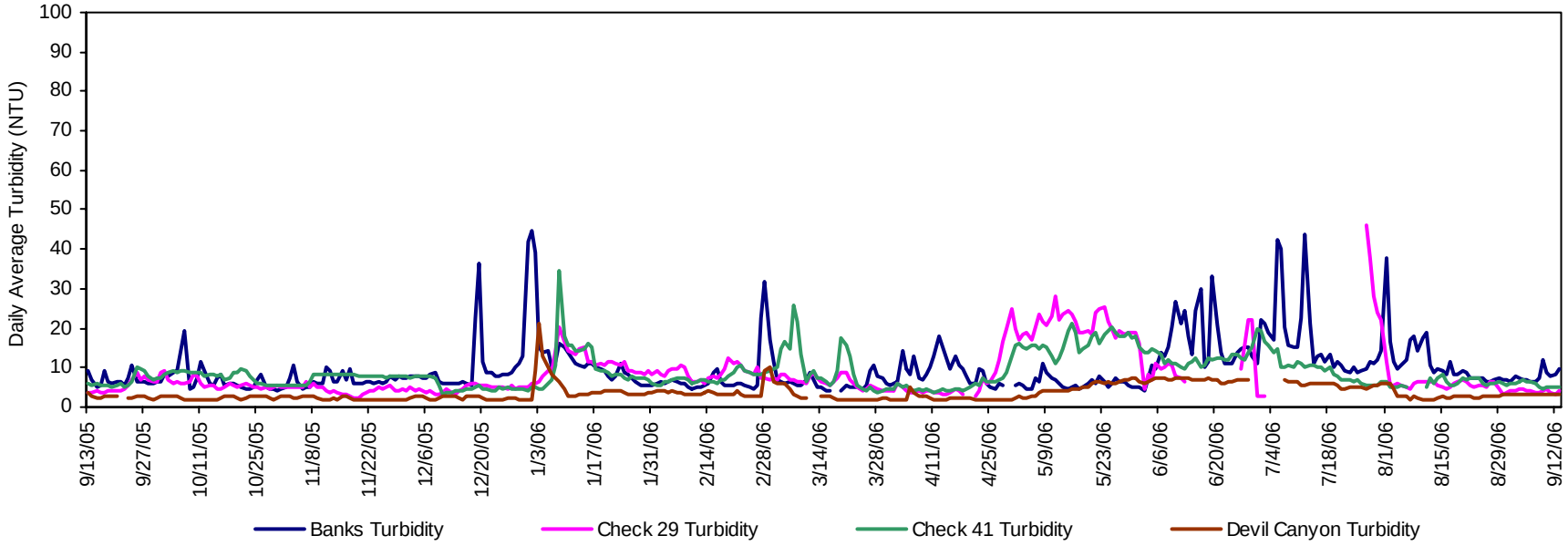
## California Aqueduct - Calculated Bromide



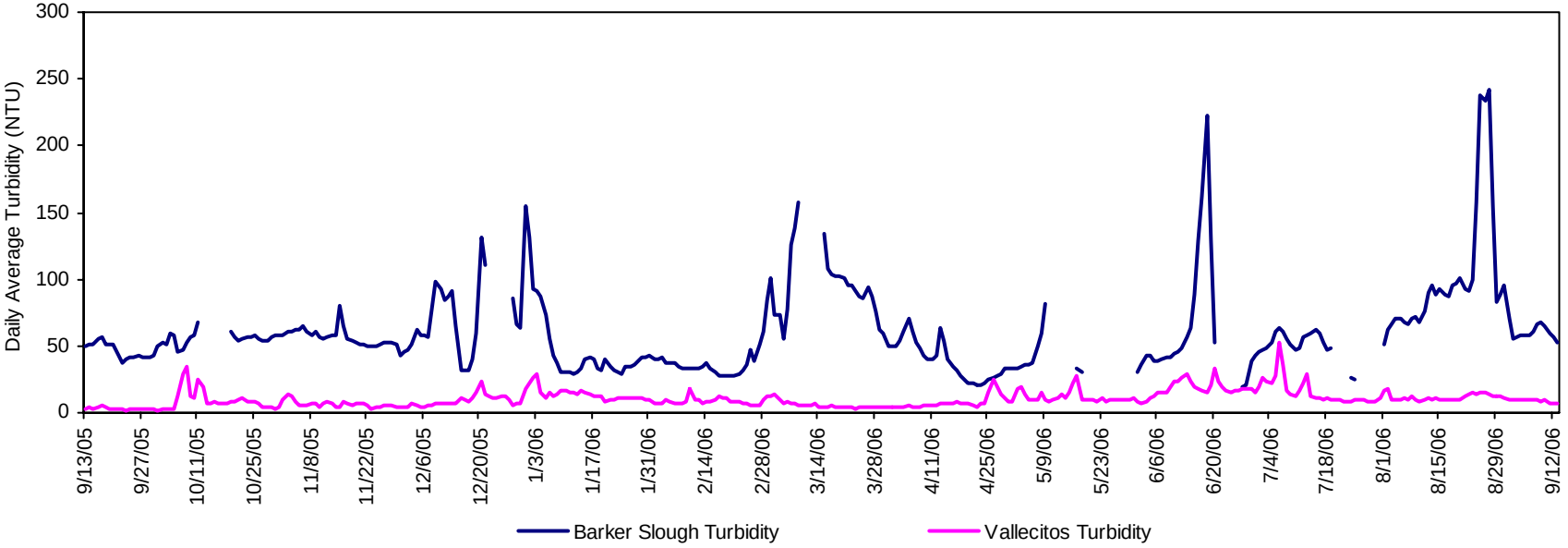

## North and South Bay Aqueduct - Calculated Bromide

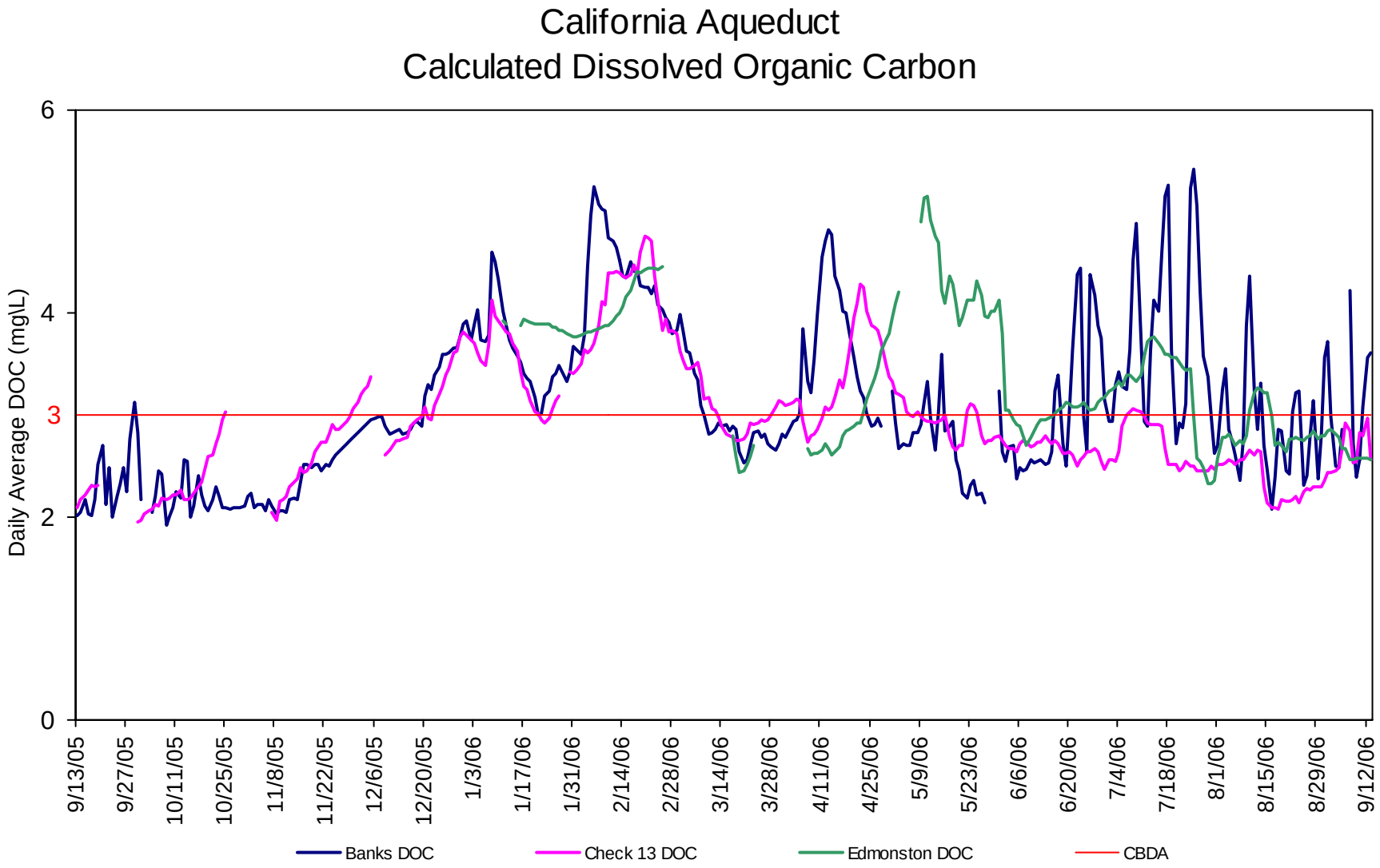


## California Aqueduct - Turbidity




## North and South Bay Aqueduct - Turbidity




California Aqueduct
Calculated Dissolved Organic Carbon
Daily Average DOC (mg\L)
6
4
3
2
0
9/13/05
9/27/05
10/11/05
10/25/05
11/8/05
11/22/05
12/6/05
12/20/05
1/3/06
1/17/06
1/31/06
2/14/06
2/28/06
3/14/06
3/28/06
4/11/06
4/25/06
5/9/06
5/23/06
6/6/06
6/20/06
7/4/06
7/18/06
8/1/06
8/15/06
8/29/06
9/12/06
Banks DOC
Check 13 DOC
Edmonston DOC
CBDA