State Water Project Quarterly Business Report
April to June 2008

◆ Water Quality Data is from the Water Data Library (Grab Samples)

Concentrations of all constituents of concern in the State Water Project (SWP) ranged from low to moderate in the Delta, the North and South Bay Aqueducts and the California Aqueduct.

Total Dissolved Solids (TDS) in SWP ranged from 156 to 344 mg/L this quarter and below the Article 19 Monthly Objective of 440 mg/L (733 uS/cm). TDS concentrations varied slightly at Banks Pumping Plant (BPP), in the California Aqueduct, and in the South Bay Aqueduct at Del Valle Check 7. A significant decrease to 344 mg/L in April and 156 mg/L in June 2008 was recorded in the North Bay Aqueduct at Barker Slough.

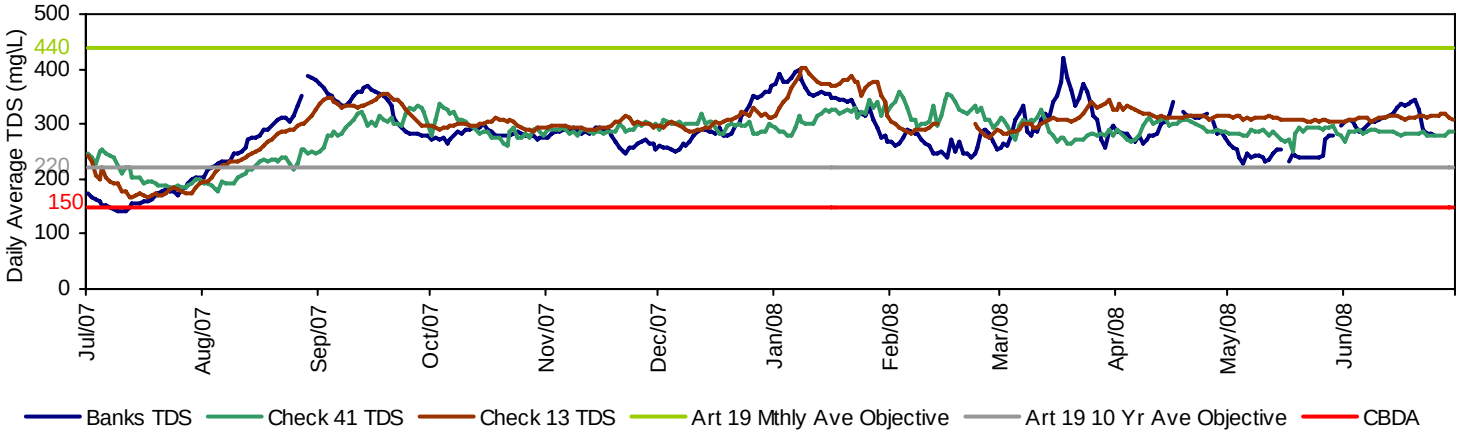
Bromide concentrations in the SWP ranged from 0.04 to 0.28 mg/L. Concentrations were higher at BPP, the South Bay and the California Aqueduct. They ranged from 0.15 to 0.23 mg/L, 0.22 to 0.28 mg/L, and 0.15 to 0.20 mg/L, respectively. However, bromide concentrations ranged from 0.04 to 0.09 mg/L in the North Bay Aqueduct at Barkers Slough.

DOC concentrations at BPP, the North and South Bay Aqueducts were higher for April to June, ranging from 3.1 to 4.6 mg/L, 3.0 to 5.0 mg/L and 3.6 to 5.3 mg/L, respectively. Whereas, in the California Aqueduct, concentrations were lower, ranging from 3.1 to 3.5 mg/L at Check 13, 2.6 to 3.5 mg/L at Check 41 and 2.6 to 3.1 mg/L at Devil Canyon, probably due to low DOC in groundwater turn-ins.

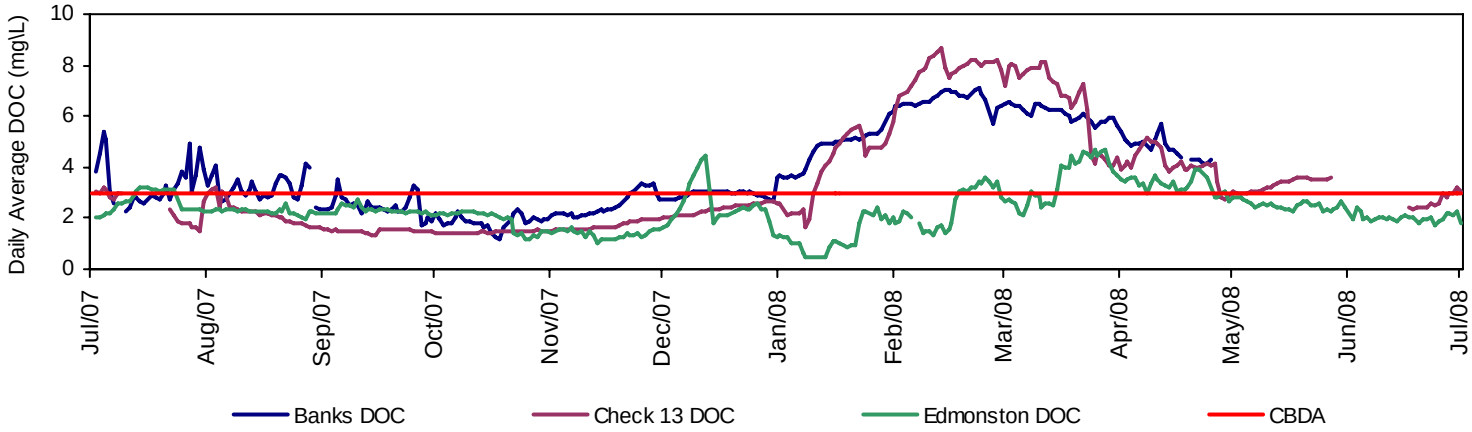
The taste and odor compounds MIB and geosmin continue to be low in BPP, the North and South Bay Aqueducts and the California Aqueduct, and they ranged from non-detect to 3 ng/L.

Groundwater turn-ins to the California Aqueduct from Arvin-Edison Water Storage District, Kern Water Bank Canal, Cross Valley Canal, and Semitropic Water Storage District totaled 102,768 af during the second quarter.

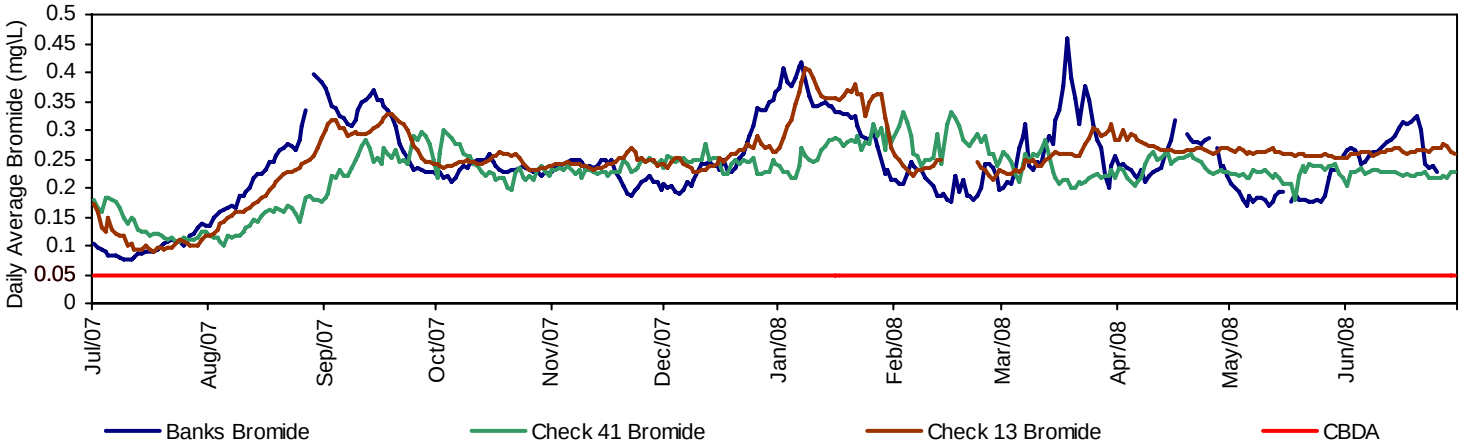
California Aqueduct - Calculated Total Dissolved Solids



California Aqueduct - Calculated Dissolved Organic Carbon



California Aqueduct - Calculated Bromide



Constituents of Concern in the State Water Project

			TDS	Bromide	DOC	MIB/Geosmin
			(mg/L)	(mg/L)	(mg/L)	(ng/L)
				Goals		
SWP Facility	Station	Month, 2008	440[a]	0.05[b]	3.0[b]	7 to 10?
California Aqueduct	Banks Pumping Plant	April	307	0.21	4.6	ND to 3
		May	226	0.15	3.1	ND to 3
		June	309	0.23	4.2	ND to 3
	Check 13	April	300	0.27	3.5	ND to 2
		May	301	0.28	3.1	ND to 2
		June	291	0.27	3.3	ND to 2
	Check 41	April	303	0.22	3.5	
		May	286	0.26	2.7	
		June	283	0.24	2.6	
	Devil Canyon Afterbay	April	284	0.22	3.1	
		May	282	0.24	2.8	
		June	279	0.24	2.6	
South Bay Aqueduct	Del Valle Check 7	April	285	0.18	5.0	ND to 3
		May	234	0.15	3.0	ND to 2
		June	286	0.20	4.1	ND to 2
	Lake Del Valle (Outlet)	April	No Data	No Data	No Data	No Data
		May	No Data	No Data	No Data	No Data
		June	No Data	No Data	No Data	No Data
North Bay Aqueduct	Barker Slough Pumping Plant	April	344	0.09	5.3	
		May	192	0.05	4.0	
		June	156	0.04	3.6	

a: Article 19 Objective, Monthly Average
b: California-Bay Delta Authority Target
ND = Non detect