

SWP Water Quality Summary

July 9 to August 7, 2008

Electrical Conductivity: EC increased at Banks Pumping Plant (BPP) and Vallecitos, but decreased at Check 29, Check 41, Devil Canyon and Barker Slough, from July 9 to August 7, 2008. Concentrations ranged from 218 uS/cm to 464 uS/cm, but remained below the Article 19 Monthly Average Objective of 440 mg/L (733 uS/cm). Daily average concentrations varied at all the locations. The lowest and highest concentrations of 218 uS/cm and 464 uS/cm occurred at Barker Slough and Devil Canyon. Concentrations increased this month at BPP from 302 uS/cm to 415 uS/cm. The increase observed at BPP may be due to seawater intrusion.

Bromide: Concentrations exceeded the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L at all locations. Concentrations ranged from 0.06 mg/L to 0.21 mg/L. As of August 7, Barker Slough had the lowest concentration of 0.06 mg/L, followed by Check 29 with 0.10 mg/L while the highest concentration of 0.21 mg/L occurred at Devil Canyon. Concentration at BPP increased from 0.10 to 0.17 mg/L as of August 7, 2008.

Turbidity: Turbidity levels decreased at BPP, Check 41, and Vallecitos, but increased at Barker Slough, and unchanged at Check 29 and Devil Canyon. Turbidity levels ranged from 1 NTU to 71 NTU as of August 7, 2008. The lowest level of 1 NTU occurred at Check 29 and Devil Canyon while the highest level of 71 NTU occurred at Barker Slough on August 7, 2008. BPP mean daily turbidity levels decreased to 6 NTU on August 7, 2008.

Dissolved Organic Carbon (DOC): Concentrations increased at Check 13 and Edmonston, from 3.4 mg/L to 3.6 mg/L and from 2.2 mg/L to 2.4 mg/L, respectively as of August 7, 2008. DOC daily average concentration at BPP as of August 7, 2008 was 4 mg/L.

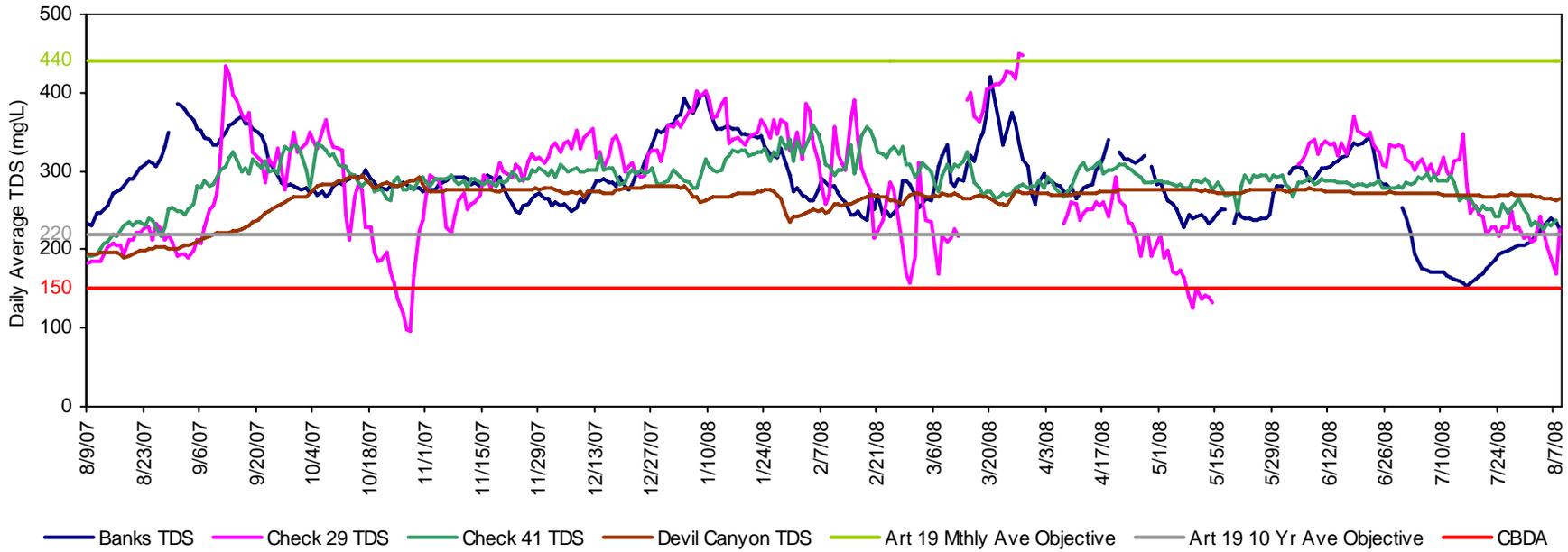
Taste and Odor Compounds: MIB and geosmin remain very low project wide, ranging from non-detect to 6 ng/L at Clifton Court, BPP, Del Valle Check 7, Check 41, Check 66, Castaic Lake, Silverwood Lake and Lake Perris.

Pump_ins: Pumpins to the State Water Project (SWP) from the Banking Programs (Alvin Edison, Kern Water Banks, Cross Valley Canal and Semi-tropic 3) this month added a total volume of 26,663 acre feet (AF).

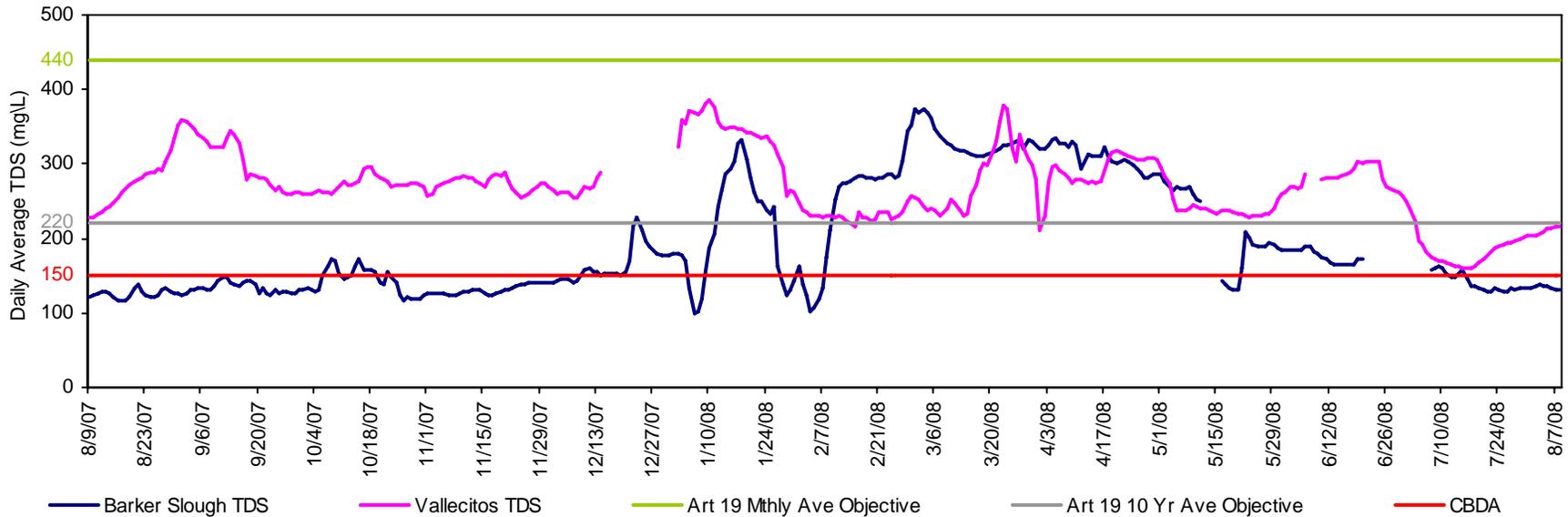
Note:

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://www.womwq.water.ca.gov> and click the “Autostation Data” link on the left side navigation bar.

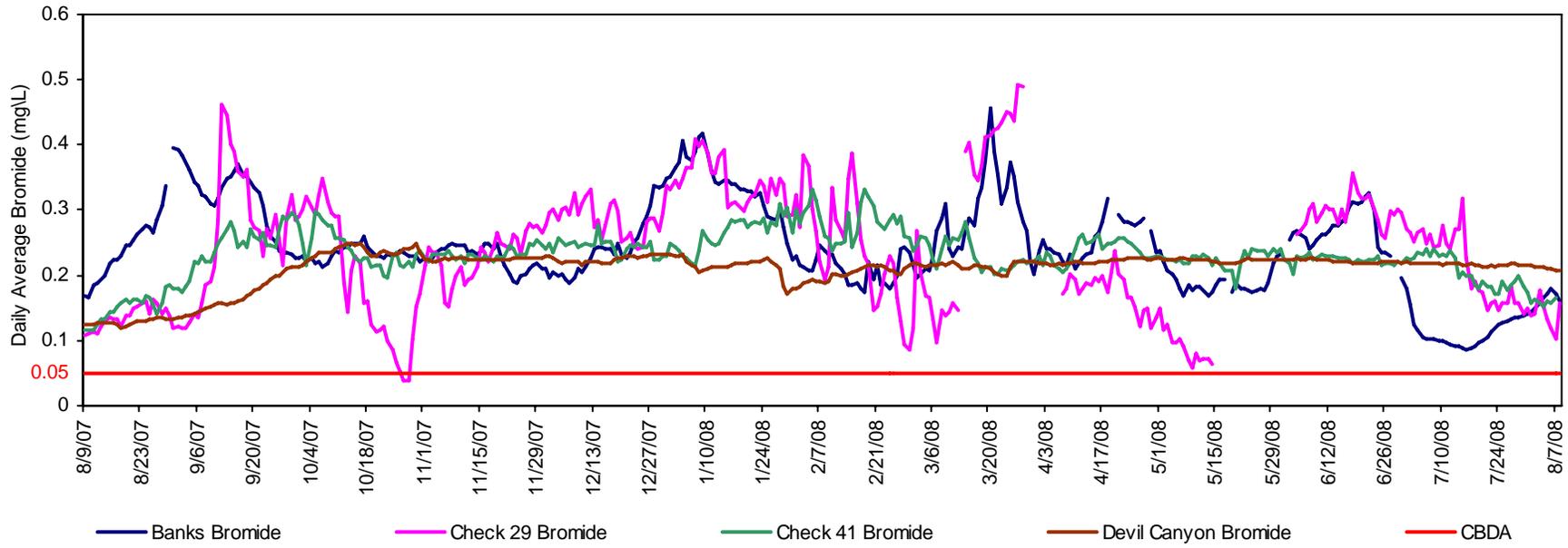
California Aqueduct - Calculated Total Dissolved Solids



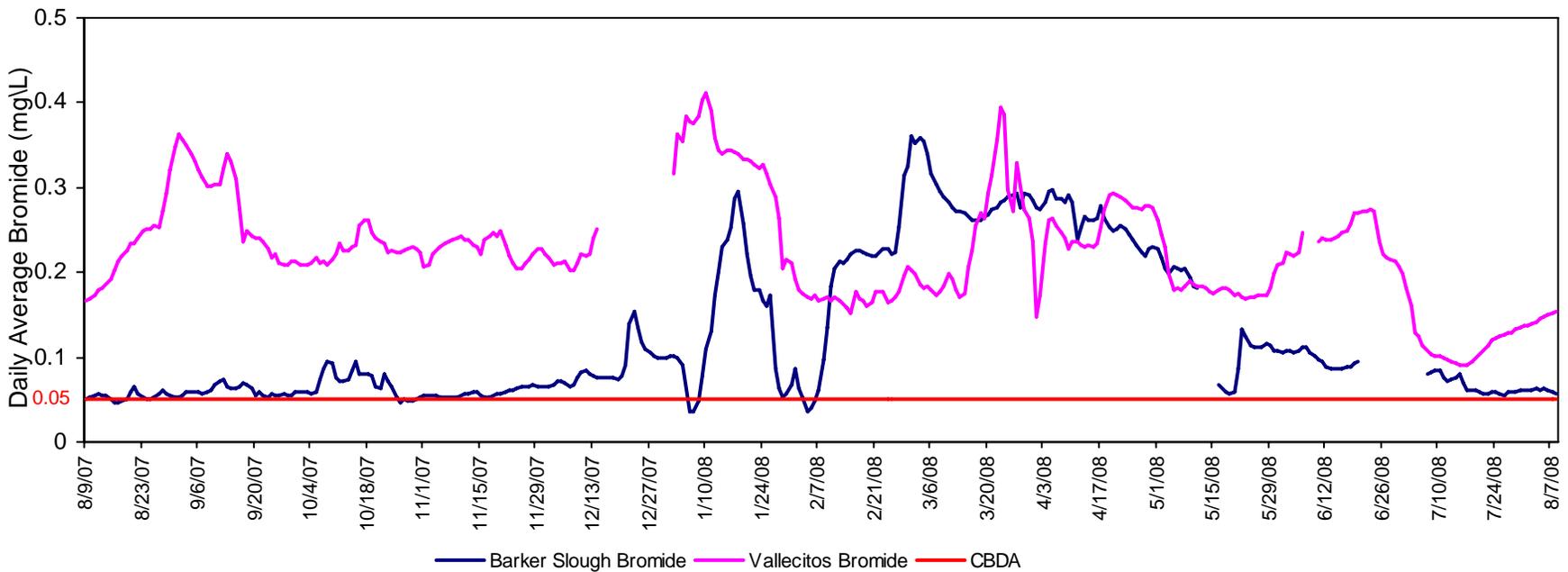
North and South Bay Aqueduct - Calculated Total Dissolved Solids



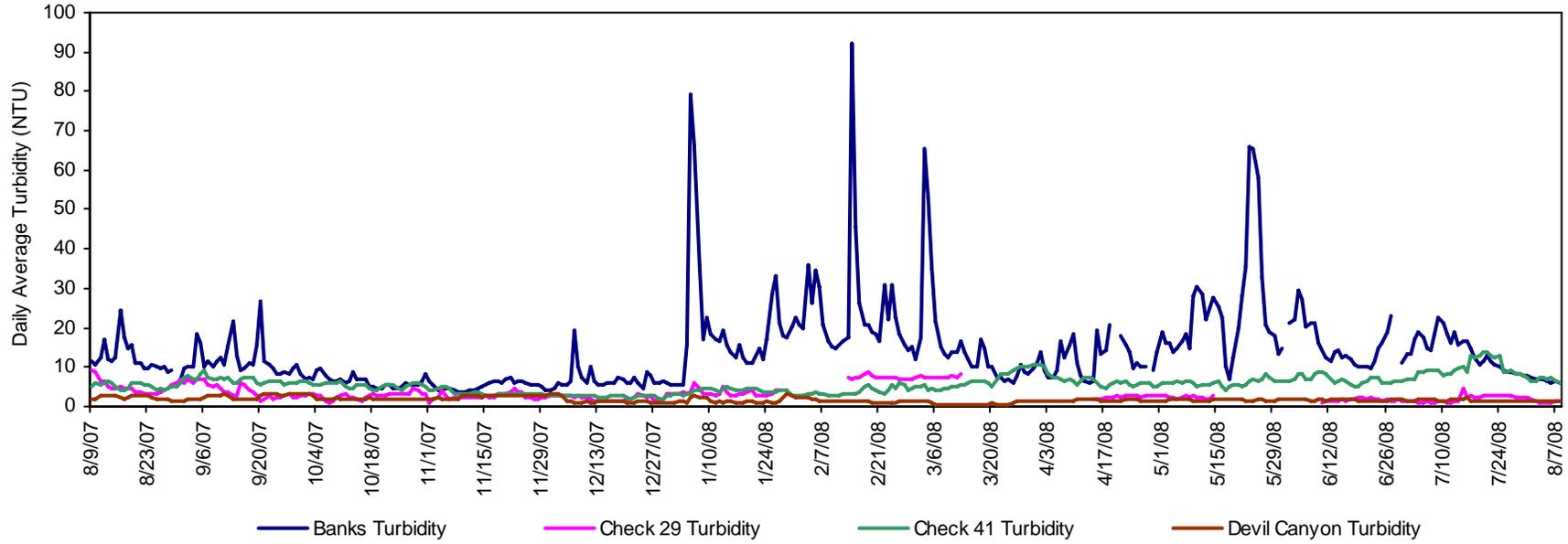
California Aqueduct - Calculated Bromide



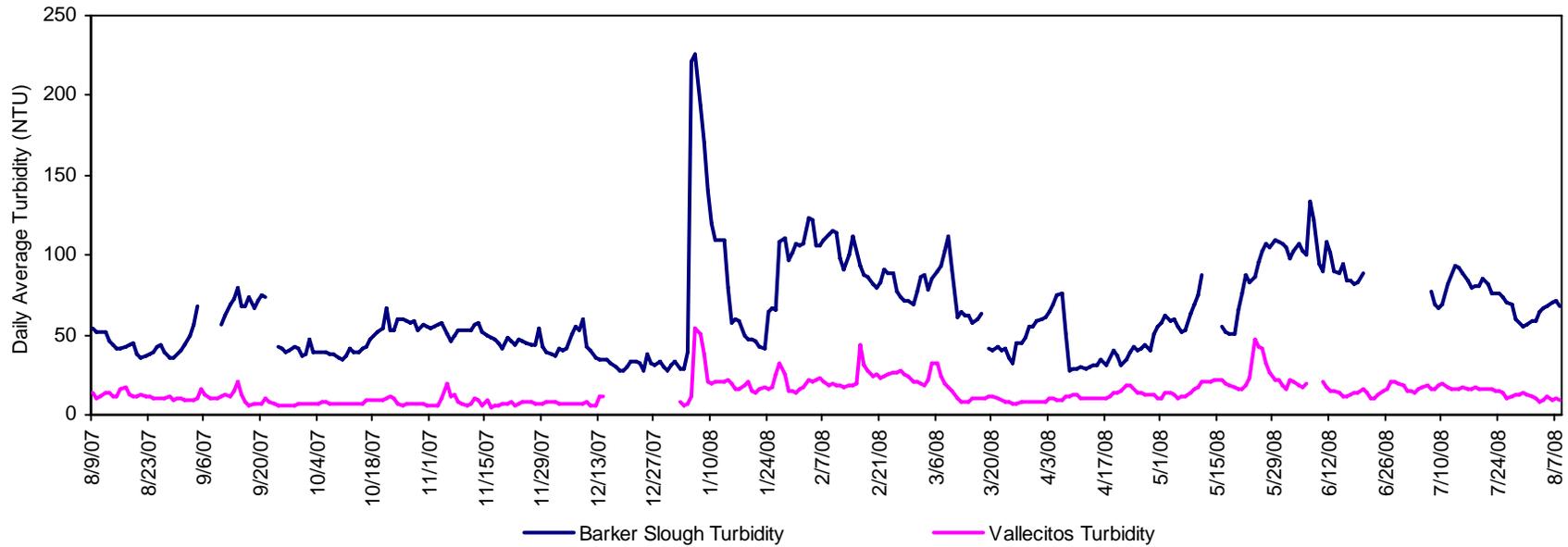
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct Calculated Dissolved Organic Carbon



SWP Water Quality Report

DWR Operations & Maintenance Water Quality Automated Station Data from July 9, to August 7, 2008

Automated sampling stations provide real time data by continuously measuring water quality conditions in the California Aqueduct.

Water Quality Parameters	Objective	Range	Harvey O. Banks PP KA000331	Check 29 KA024454	Check 41 KA030341	Devil Canyon KA041288	NBA at Barker Slough KG000000	Vallecitos KB002250	Check 13 O'Neill Forebay Outlet KA007089	Edmonston PP Milepost 293.45
EC (µS/cm)	733**	average	336	423	436	475	230	331		
		7/9/08	302	514	493	478	271	304		
		8/7/08	415	307	396	464	218	385		
Bromide (mg/L)	0.05*	average	0.12	0.18	0.19	0.22	0.06	0.12		
		7/9/08	0.10	0.25	0.23	0.22	0.08	0.24		
		8/7/08	0.17	0.10	0.16	0.21	0.06	0.15		
Turbidity (NTU)		average	11	2	9	2	73	14		
		7/9/08	23	1	9	1	67	18		
		8/7/08	6	1	7	1	71	9		
DOC (mg/L)	3.0*	average	3.7						2.7	2.5
		7/9/08	0						3.4	2.2
		8/7/08	4.0						3.6	2.4
Taste & Odor Parameters	Range	Clifton Court KA000000	Harvey O. Banks PP KA000331	Lake Del Valle, Check 7 KB001632	Check 13 O'Neill Forebay Outlet KA007089	Check 41 KA030341	Check 66 KA040341	Castaic Lake	Lake Perris	Silverwood Lake
MIB (ng/L)	8/4/08	ND	1	4		2	3	ND	2	3
Geosmin (ng/L)	8/4/08	6	4	6		3	5	ND	ND	3

*CBDA Objective

**Article 19 Monthly Average (converted from 440 mg/L to 733µS/cm)

ND = Non-detect