

SWC Board Meeting

Water Quality Report

February 2000

Automated Station Data

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

Water Quality Parameter		NBA at Barker Slough PP KG000000	Harvey O. Banks Pumping Plant KA000331	Check 13 at O'Neill Forebay Outlet KA007089	Check 29 Near Highway 119 KA024454	MWD Pipeline at Castaic Lake CA000000	Devil Canyon Pumping Plant KA041288
Turbidity (NTU)	average	52	12.4	10.2	6.6	1.1	1.2
	maximum	177	51.1	15.4	15.2	1.3	2.3
	minimum	23	6.4	6.4	2.9	0.8	0.5
Conductivity (microSiemens/cm)	average	300	403	446	434	471	522
	maximum	385	530	525	571	478	578
	minimum	184	272	373	352	464	483
Calculated TDS (mg/l)	average	178	228	255	251	281	299
	maximum	226	300	299	330	286	330
	minimum	112	154	214	203	277	278

Grab Sample Data of Special Interest

Monthly analyses of water quality constituents, including inorganic compounds, are conducted from samples collected at various locations throughout the SWP.

Water Quality Parameter January 2000 *	units	objectives	Barker Slough Pumping Plant	Harvey O. Banks Pumping Plant	Check 13 at O'Neill Forebay Outlet	Check 29 Near Highway 119	Devil Canyon Pumping Plant
Bromide	mg/l	0.05 ° °	0.03	0.17	0.16	n/a**	0.29
Hardness	mg/l	180/110 °	83	90	90	103	103
Total Alkalinity	mg/l as CaCO ₃	none	86	72	70	76	77
Total Organic Carbon	mg/l	3.0 ° °	2.5	4.0	3.8	n/a**	2.6
Total Dissolved Solids	mg/l	440/220° /150° ° °	172	246	244	295	321

* latest analyses available

** n/a-not available

° Article 19 (monthly/ten year averages)

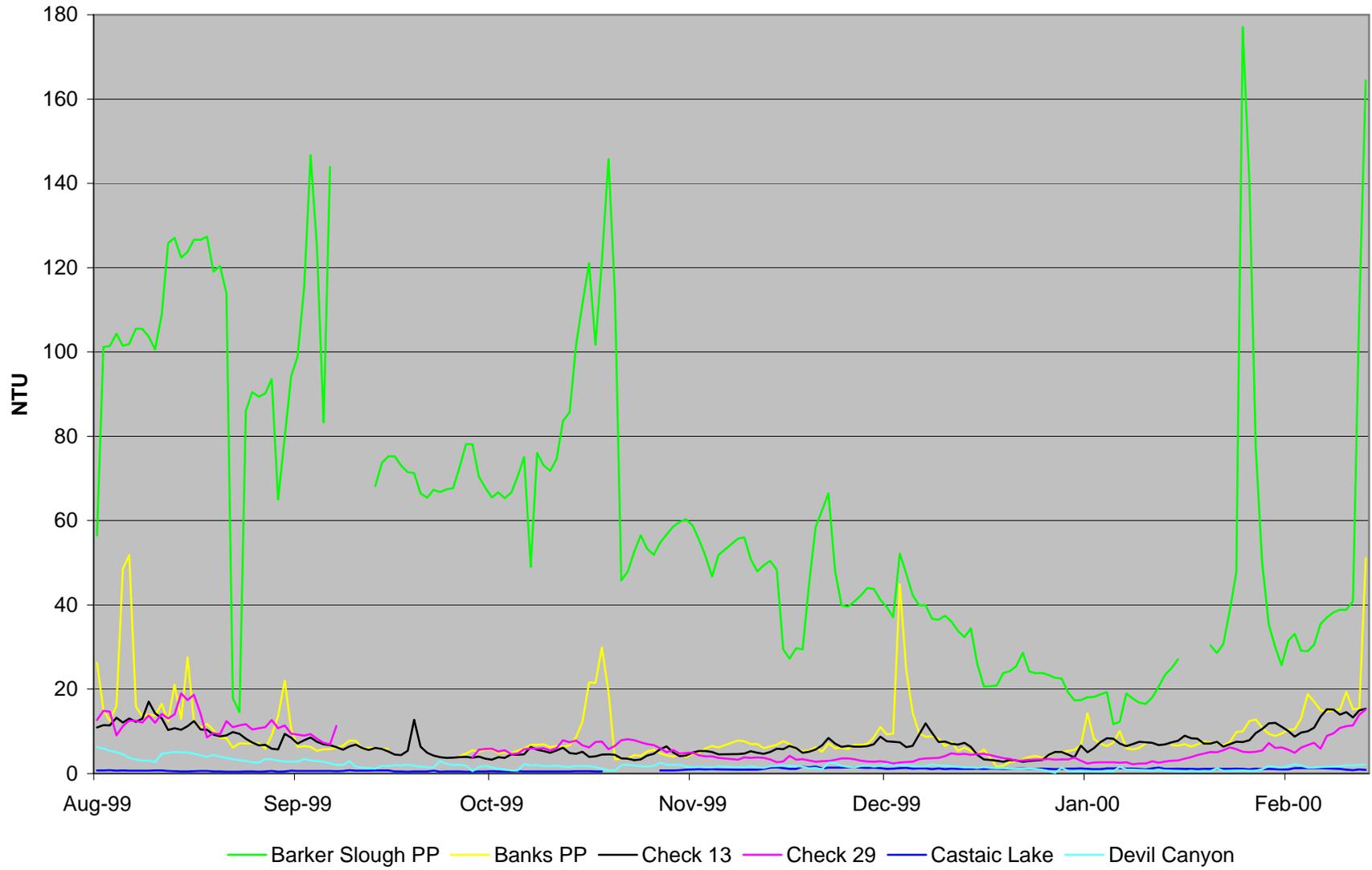
° ° CALFED/CUWA

° ° ° CUWA Proposed

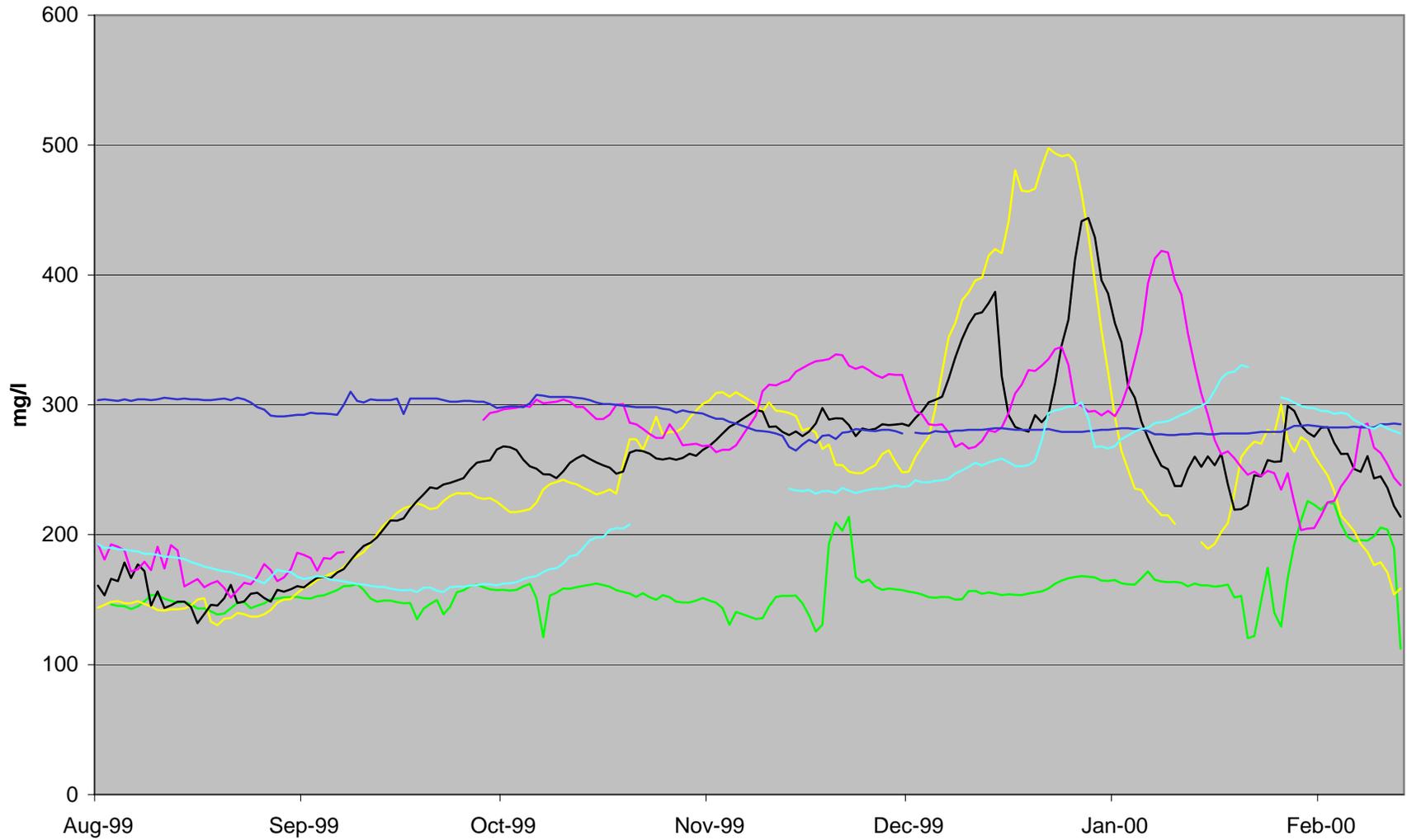
Water Quality Highlights

- ❑ During the recent stormy weather there was no recorded flow from side channels such as Salt and Cantua Creeks into the San Luis Canal.
- ❑ On January 26 and 27, the turbidity meter and EC meter at the Devil Canyon Station were replaced.

Turbidity

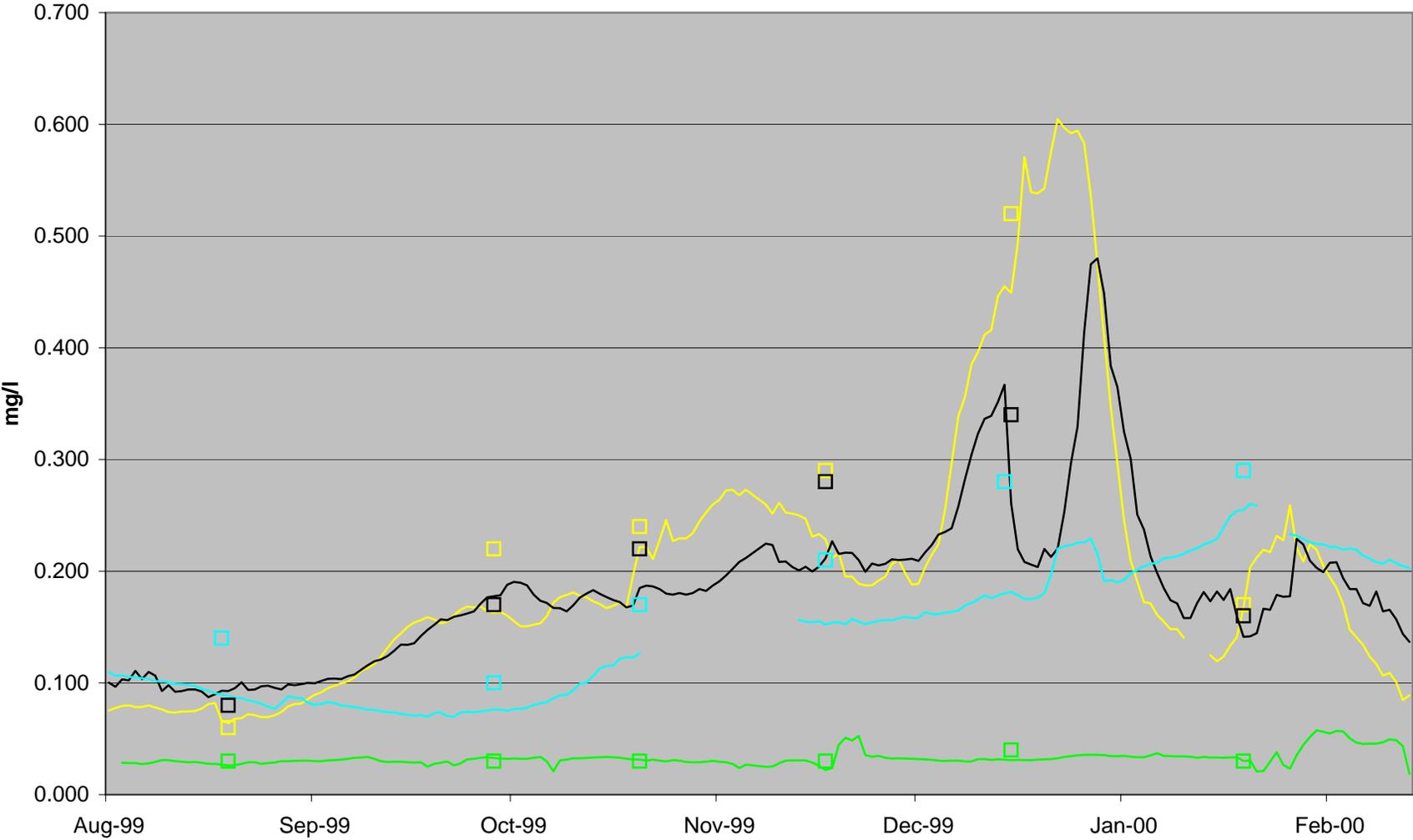


TDS (calculated)



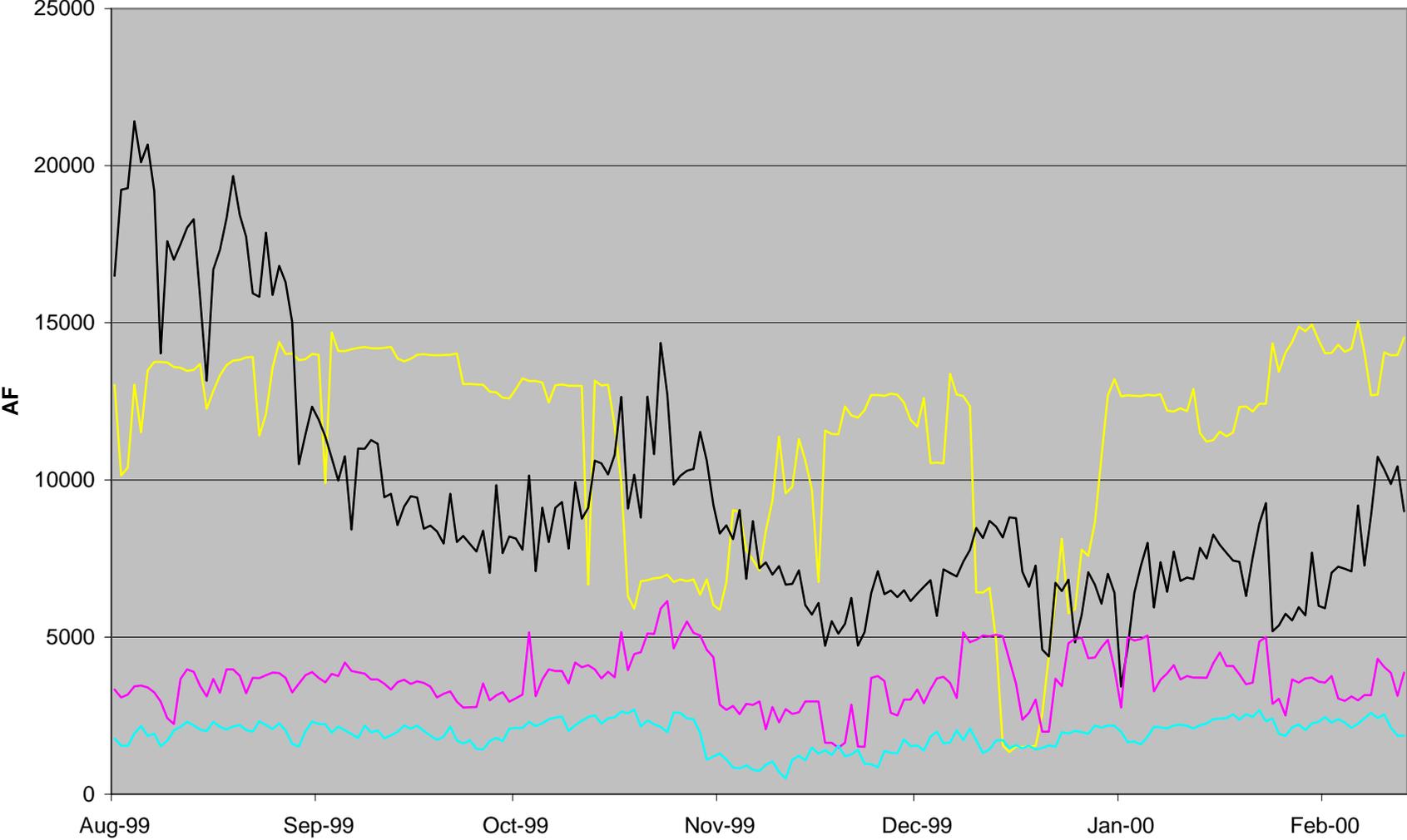
— Barker Slough PP — Banks PP — Check 13 — Check 29 — Castaic Lake — Devil Canyon

Bromide (calculated)



— Barker Slough PP — Banks PP — Check 13 — Devil Canyon □ Lab Measurement

Daily Average Flow



— Banks PP — Dos Amigos PP — Edmonston PP — Devil Canyon PP