SWP Water Quality Summary

March 12, 2001

Automated Station Data

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

Water Quality Parameter 2/13/01 to 3/12/01		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 Power Plant KA041288
Turbidity (NTU)	average	103	17	11	5	1.1	2
	maximum	193	65	15	9	5.3	3
	minimum	33	10	8	2	0.7	1
Conductivity	average	374	480	473	468	459	585
(microSiemens/cm)	maximum	678	542	535	509	462	707
	minimum	106	436	428	409	458	541
Calculated TDS (mg/l)	average	220	272	270	271	275	334
	maximum	392	307	305	294	276	401
	minimum	68	247	245	236	274	310

Grab Sample Data of Special Interest

Laboratory analyses of water quality constituents, including inorganic compounds, are conducted from monthly water quality samples collected throughout the SWP.

Water Quality Parameter February 2001 [1]	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 Power Plant
Bromide	mg/l	0.05 [3]	0.06	0.18	0.19	0.33	0.33
Hardness	mg/l	180/110 [5]	161	102	108	128	130
Total Alkalinity	mg/l as $caco_3$	none	117	82	84	84	77
Total Organic Carbon [2]	mg/l	3.0 [3]	5.5	5.3	5.1	4.6	3.2
Total Dissolved Solids	mg/l	440/220 [5] /150 [4]	264	254	271	337	301

[1] latest analyses available n/a = not available [2] Total Organic Carbon analyzed by wet oxidation method

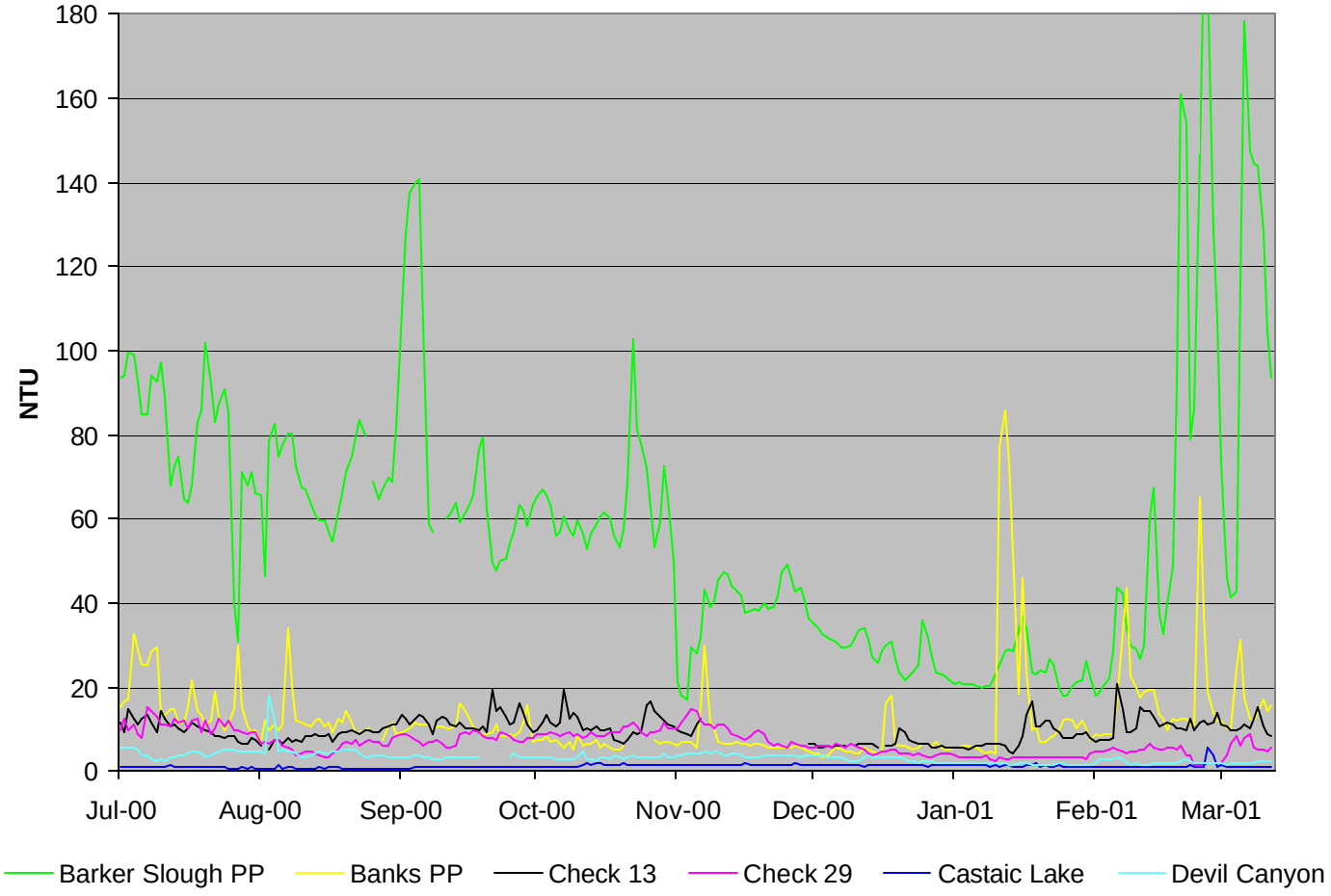
[3] CALFED/CUWA [4] CUWA Proposed [5] Article 19 (monthly/ten year averages)

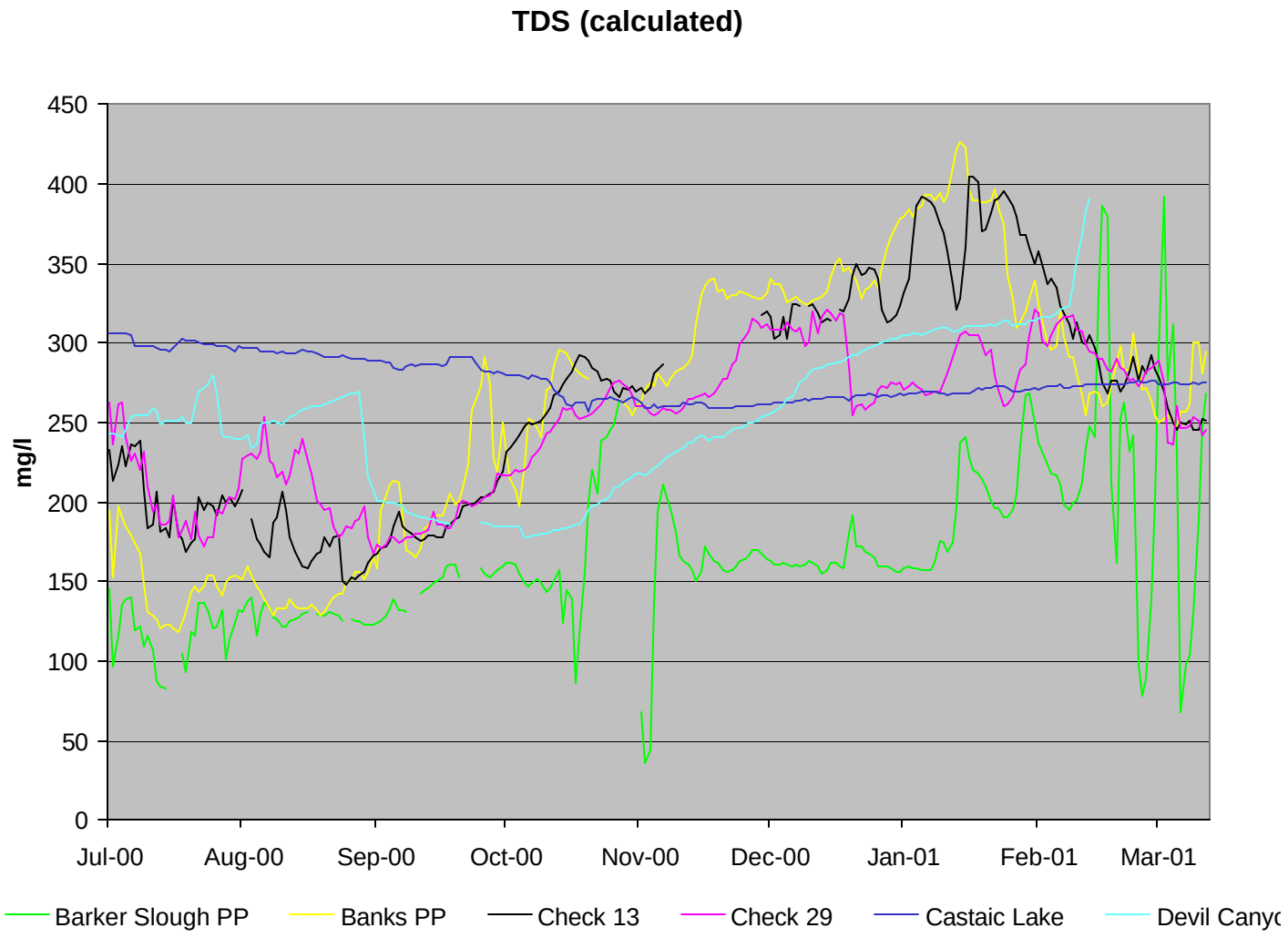
Water Quality Highlights

- On 3/1/01 Kern water bank began to put water into the SWP. Preliminary data indicate only minor impacts on water quality.
- On 3/5/01 flood-water entered the San Luis Canal from Salt and Cantua Creeks, Water samples were collected for laboratory analysis.
- Recent rainfall has increased delta outflow and reduced salinity in the SWP.

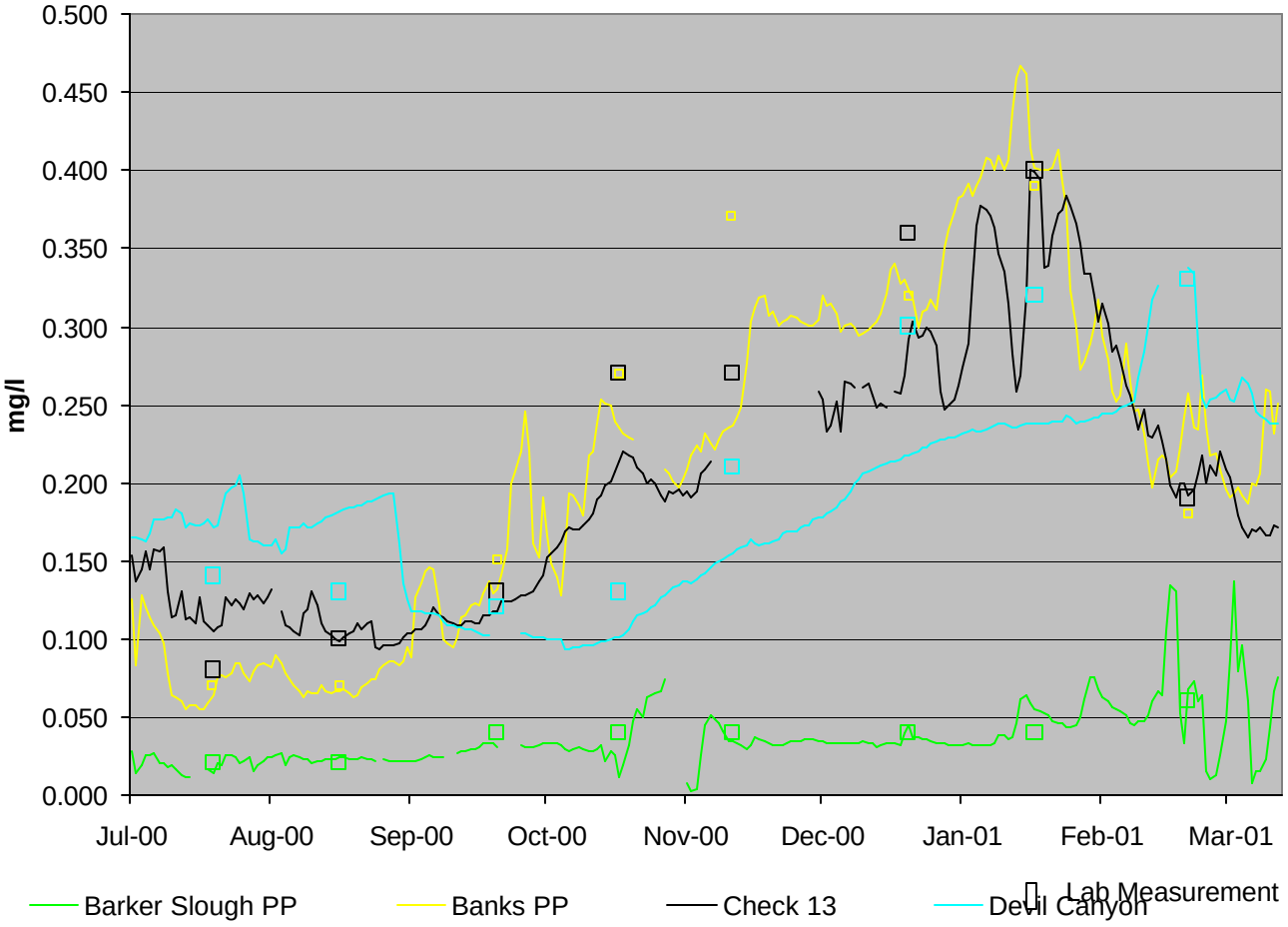
For more information refer to: http://wwwomwg.water.ca.gov and http://wwwdpla.ca.gov/supply/sampling/mwg/main.htm

Turbidity


NTU
180
160
140
120
100
80
60
40
20
0
Jul-00
Aug-00
Sep-00
Oct-00
Nov-00
Dec-00
Jan-01
Feb-01
Mar-01
Barker Slough PP
Banks PP
Check 13
Check 29
Castaic Lake
Devil Canyon


TDS (calculated)
mg/l
450
400
350
300
250
200
150
100
50
0
Jul-00
Aug-00
Sep-00
Oct-00
Nov-00
Dec-00
Jan-01
Feb-01
Mar-01
Barker Slough PP
Banks PP
Check 13
Check 29
Castaic Lake
Devil Canyo

Bromide (calculated)



Daily Average Flow