MINERAL QUALITY OBJECTIVES FOR SURFACE WATERS

Stream/Station[b]	Objectives (mg/l)[a] TDS	Sulfate	Chloride	Boron	Nitrogen[c]	SER[d]	(SAR[e])
Ventura River:							
At Matilija Hot Spring	600	300	50	1.0	5	[e]	
At Casitas Vista Road	800	300	60	1.5	5	[e]	
At Shell Road	1,500	600	600	1.5	10	5.0	
Santa Clara River:							
At West Pier Highway 99	900	450	80	1.5	10	5.0	
At Los Angeles and Ventura County Line	1,100	550	90	1.5	5	10.0	
At A Street, Fillmore	1,300	650	80	1.5	5	5.0	
Santa Paula Bridge	1,300	650	80	1.5	5	5.0	
At Saticoy Diversion Dam	1,100	550	60	1.5	5	5.0	
At United States Highway 101	800	400	60	1.5	5	5.0	
Santa Paula Creek:							
(Above) ~~At~~ Santa Paula Water Works-Diversion Dam	600	300	60	1.0	5	5.0	
Sespe Creek:							
~~(~~500 feet downstream from Little Sespe Creek~~), at gaging station)~~ (Above gaging station,	800	400	60	1.5	5	5.0	
Piru Creek:							
(Above ~~At~~ gaging station below Santa Felicia Dam)	950	500	50 (75)	1.5	5	5.0	
Calleguas Creek:							
(Above ~~At~~ Potrero Road	850	400 (250)	50 (150)	1.0	5 (10)	[e]	

Proposed revision on next Page

Ventura River	TDS	Sulfate	Chloride	Boron	Nitrogen	SAR
Above Camino Cielo Road	700	300	50	1.0	5	5.0
Reach bounded by Camino Cielo Road and Casitas Vista Road	800	300	60	1.5	5	5.0
Reach bounded by Casitas Vista Road and Oak View STP	1,000	300	60	1.5	5	5.0
Below Oak View STP to Main Street	1,500	600	600	1.5	10	5.0
Santa Clara River						
Above Lang	600	100	50	0.5 (f)	5	5.0
Reach bounded by Lang and West Pier Highway 99	1,200	450	100	1.5	10	5.0
Reach bounded by West Pier Highway 99 and Los Angeles-Ventura County Line	1,200	550	100	1.5	5	10.0
Reach bounded by Los Angeles-Ventura County Line and A Street, Fillmore	1,300	650	100	1.5	5	5.0
Reach bounded by A Street, Fillmore and Santa Paula Bridge	1,300	650	80	1.5	5	5.0
Reach bounded by Santa Paula Bridge and Saticoy Diversion Dam	1,300	650	80	1.5	5	5.0

...NIA—RESOURCES AGENCY
...A REGIONAL WATER QUALITY CONTROL BOARD—
...ELES REGION
... BROADWAY, SUITE 4027
...ELES, CALIFORNIA 90012
... 620-4460

EDMUND G. BROWN JR., Governor

February 6, 1978

TO: Interested Persons

RE: Public Hearing for the Adoption of Revisions to the Water Quality Control Plan - Basin 4A

Gentlemen:

Reference is made to our letter dated February 3, 1978, which transmitted tentative revisions to the Water Quality Control Plan for the Santa Clara River Basin (4A).

Enclosed are revised pages 00036 and 00043 of the originally transmitted material; a note has been added to each page.

If you have any questions please call us.

Very truly yours,

Raymond M. Hertel

RAYMOND M. HERTEL
Executive Officer

MINERAL QUALITY OBJECTIVES FOR SURFACE WATERS

As part of the State's continuing planning process, data will be collected and numerical water quality objectives will be developed for those mineral and nutrient constituents where sufficient information is presently not available for the establishment of such objectives.

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a/ The objective at each station is of the weighted annual average. Samples shall be collected at monthly intervals preferably but at least at quarterly intervals. Flow rate shall be determined at the time of sampling.

b/ See Figure 4-1 for location.

c/ Nitrate-N plus Nitrite-N.
Eutrophication problems have not impaired the beneficial use of surface waters in the basin. The eutrophication of the basin is described starting on Page II-14-1. The lack of phosphorus data precluded the establishment of meaningful numerical objectives for phosphorus.

d/ Sodium Equivalent-Ratio (Sodium Adsorption Ratio)

e/ No data available

f/ Where naturally occurring boron results in concentration higher than the stated objective requirements should be set on a case by case basis.

Note: In cases where revisions were proposed to raise certain numerical objectives, these were made to correct errors in the Basin Plan made by the original Contractor and/or to reflect existing quality based on more, newer, and better data. This does not in any way represent a relaxation of Standards.

Page: 34	Santa Clara River above Lang

Recommended Change:

New Station added @ Lang

Objectives: TDS = 600 mg/l
SO4 = 100 mg/l
Cl = 50 mg/l
B = 0.5 mg/l
N = 5 mg/l

Justification: Affords better break-down of former reach and sampling data available @ Lang. No point source discharges above Lang. Water Quality represents natural flow conditions.

see also Table 2 attached

Page: 34	Reach bounded by Lang and West Pier Hwy 99

Recommended Change:

Change TDS objective from 900 to 1200 mg/l

change Cl objective from 80 to 100 mg/l

Justification: The proposed changes to the surface water objectives correct some inconsistencies in the Basin Plan objectives between surface and ground water. There are two controllable point source discharges to this reach. They are the LACSD WRPs No. 26 and No. 32. The total volume of these discharges is 5.3 mgd (1977 average). The primary use of this wastewater is for incidental groundwater recharge; however, the natural inflow and outflow in this reach are far in excess of the total discharge volume. The Santa Clara River is largely an underground river in this reach. Analysis of groundwaters in this reach shows that TDS averages around 1200 mg/l; the proposed objectives would conform with the quality of the natural inflow and outflow. Assessment work has shown no adverse effects on beneficial uses, and the proposed small increases in mineral objectives will not have a significant effect on downstream beneficial uses.

See also Table 2 attached

Page: 34	Reach bounded by West Pier Hwy 99 and L.A.-Ventura County Line

Recommended Change:

Change TDS objective from 1100 to 1200 mg/l
Change Cl objective from 90 to 100 mg/l

Justification:

No significant point sources in this reach.
This reflects water quality conditions found to exist at West Pier Hwy 99 and at L.A.-Ventura County Line.

see also Table 2 attached

Page: 34	Reach bounded by L.A.-Ventura County Line and A Street, Fillmore

Recommended Change:

Change Cl objective from 80 to 100mg/l

Justification:

No significant point-source discharges in this reach.
This reflects current water quality and conforms w/ the reach immediately upstream.

see also Table 2 attached

TABLE 2

Santa Clara River

Station	Parameter	1970 - 1974 mg/l		1975 - 1977 mg/l	
		Range High	Arithmetic Ave	Range High	Arithmetic Ave
Above Lang (Samples @ Lang)	TDS	495	482 (6)	503	467 (9)
	SO_4	—	—	100	91 (8)
	Cl	—	—	45	39 (8)
	B	—	—	0.36	0.3 (2)
	N	—	—	0.61	0.26 (5)
Reach bounded by Lang and West Pier Hwy 99 (Samples @ Hwy 99)	TDS	1255	991 (12)	1367	1171 (5)
	Cl	99	68 (38)	121	101 (12)
Reach bounded By West Pier Hwy 99 and CA - Ventura County line (Samples @ CA-Ventura Co line)	TDS	—	—	1450	1172 (23)
	Cl	95	72 (31)	110	87 (20)
				(see also samples @ Hwy 99)	
Reach bounded by C.A. - Ventura Co. line and A Street, Fillmore. (Samples @ C.A.-Ventura Co. line	see above - all data exists @ C.A Ventura Co. line, No data at Fillmore.				