Table 2
City of Stockton
Ambient Water Quality Monitoring Program
R1 - Bowman Road

Priority Pollutant Data Summary

Parameter / Sample Date	units	May-94	Jun-94	Jul-94	Aug-94	Sep-94	May-95	Jun-95	Jul-95	Aug-95	Sep-95	May-96	Jun-96	Jul-96	Aug-96	Sep-96	May-97	Jun-97	Jul-97	Aug-97	Sep-97	May-98	Jun-98
		Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Total Recoverable Metals																							
Antimony	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.5	<1.5
Arsenic	ug/L	<4.0	<4.0	4.4	4.0	<4.0	2.5	2.6	2.2	3.0	2.6	<1.0	2.4	2.9	3.7	2.3	<1.0	1.7	3.0	2.8	2.2	2.5	0.8
Beryllium	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.2	<0.2
Cadmium	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.12	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.12	<0.10	<0.5	<0.5
Chromium	ug/L	2.1	1.5	2.9	2.5	7.3	3.8	4.6	6.0	6.4	3.3	1.1	3.6	4.8	4.6	6.7	<1.0	3.5	3.9	2.3	<1.0	4	2.8
Copper	ug/L	2.7	2.9	3.1	3.6	5.4	4.0	3.7	7.0	4.1	4.0	3.5	4.9	2.6	4.2	4.5	<1.0	6.4	7.2	4.2	<1.0	4	3.1
Lead	ug/L	<1.0	<1.0	<1.0	1.5	1.4	<1.0	<1.0	<1.0	<2.6	<1.0	<1.0	1.1	<1.0	<1.0	3.5	<1.0	<1.0	1.3	<1.0	<1.0	<2.5	<2.5
Mercury	ug/L	0.024	<0.010	0.036	<0.20	0.025	<0.010	0.017	0.012	<0.010	<0.010	<0.010	0.010	0.018	<0.010	<0.010	0.019	0.018	0.031	<0.010	<0.010	<0.2	<0.2
Nickel	ug/L	<5.0	<5.0	<5.0	<5.0	8.1	<5.0	5.0	7.3	5.7	<6.0	<5.0	6.0	<5.0	<5.0	7.4	<5.0	<5.0	<5.0	<5.0	1.5	4.7	5.3
Selenium	ug/L	<1.0	1.8	<1.0	<1.0	2.4	<1.0	<1.0	<1.0	1.8	<1.0	<1.0	<5.0	1.6	<1.0	<1.0	<1.0	1.5	<1.0	<1.0	<1.0	1.1	<1.0
Silver	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	0.13	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.6	<1.8
Thallium	ug/L	<1.0	<2.0	<1.0	1.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1	<1
Zinc	ug/L	3.5	<1.0	3.0	9.5	11	8.3	8.2	11	12	11	5.0	12	5.8	12	<5.0	<5.0	9.4	<5.0	6.4	<5.0	30	<30
Dissolved Metals																							
Antimony	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.5	<1.5
Arsenic	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	1.8	1.2	<1.0	2.1	1.3	<1.0	2.1	1.7	1.8	<1.0	<1.0	<1.0	1.2	2.0	2.1	22	1.0
Beryllium	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.2	<0.2
Cadmium	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.5	<0.5
Chromium	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1.0
Copper	ug/L	1.5	1.4	2.0	1.4	<1.0	<1.0	<1.0	<1.0	<1.0	1.8	<1.0	<1.0	2.4	1.2	1.2	<1.0	<1.0	<1.0	1.8	<1.0	<3.0	<3.0
Lead	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.5	<2.5
Mercury	ug/L	0.012	<0.010	0.020	<0.20	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.20	<0.010	<0.010	0.016	<0.010	<0.010	<0.2	<0.2
Nickel	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	1.5	<4.2	<4.2
Selenium	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	1.4	<1.0	<1.0	1.2	<1.0	<1.0	1.2	2.3	<1.0	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0
Silver	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.6	<1.8
Thallium	ug/L	<1.0	<2.0	<1.0	2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1	<1
Zinc	ug/L	1.6	<1.0	<1.0	5.1	1.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<30	<30

Additional Information - Reasonable Potential Analysis- Stockton RWCF
NPDES 0079138 Application Section II.15

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R1 - Bowman Road

Priority Pollutant Data Summary

Sample Date:		May-94	Jun-94	Jul-94	Aug-94	Sep-94	May-95	Jun-95	Jul-95	Aug-95	Sep-95	May-96	Jun-96	Jul-96	Aug-96	Sep-96	May-97	Jun-97	Jul-97	Aug-97	Sep-97	May-98	Jun-98
Parameter	units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Field Measurements																							
Dissolved Oxygen	mg/L	7.7	7.5	4.0	4.6	6.8	8.4	6.3	8.5	6.2	7.3	8.6	8.4	7.5	7.9	7.1	8.6	9.1	7.2	6.5	7.9	9.5	8.6
Temperature	C	20.0	24.0	28.0	25.5	21.0	16.4	18.4	19.1	23.8	22.0	19.1	21.9	26.1	27.3	23.0	16.6	21.3	25.6	28.2	23.5	17.1	^8.8
pH	-	7.3	8.3	6.8	7.3	7.6	7.21	8.9	6.2	7.0	7.53	7.35	7.76	7.77	7.27	7.55	7.35	8.22	8.00	7.2	7.37	7.52	7.0
Light Penetration	in	20.0	na	36.0	na	na	38.5	na	10.0	na	12.0	19.0	na	12.0	na	na	14.0	32.0	14.5	16.0	19.1	19.0	18.0
Inorganics																							
Cyanide, ug/L	ug/L	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<20	<20
Hardness	mg/L	98	208	174	150	234	62	60	38		109	88	127	191	161	153	84	138	176	162	149	54	46
TKN	mg/L	0.6		2.6		1.2	0.8		0.4	111	0.4	1.3		0.8		0.9	0.7		0.8		0.8	<0.5	
Ammonia-N	mg/L	<0.1		1.8		<0.1	0.2		<0.1		<0.1	<0.1		<0.1		0.2	<0.2		<0.2		<0.2	<0.2	
Nitrate-N	mg/L	1.04		1.7		1.7	0.30		0.33		1.4	0.61		2.3		2.5	1.2		2.0		1.6	0.37	
Nitrite-N	mg/L	0.02		0.03		0.02	0.01		<0.01		0.02	0.01		0.05		0.03	0.01		0.04		(Incl in NO3	0.02	
Total Phosphorus	mg/L	0.22		0.39		0.15	0.18		0.22		0.19	0.09		0.35		0.35	0.17		0.29		0.22	0.16	
Dissolved Phosphorus	mg/L	0.15		0.29		0.04	0.14		0.06		0.12	0.08		0.15		0.16	0.05		0.15		na	0.07	
TSS	mg/L	28		38		87	na		61		29	65		83		62	28		65		31	51	
TDS	mg/L	266		540		630	105		77		272	168		467		382	240		406		379	122	
Conductivity	mg/L	454		828		1046	157		136		470	280		821		630	358		698		614	216	
Turbidity	mg/L	22		32		57	24		42		28	22		45		39	17		39		23	25	
BOD	mg/L	<2		<2		4	<2		<2		na	<2		2.6		<2	<2		4.9		2.6	<2	
COD	mg/L	10		16		22	20		na		9.2	7		83		19	<3.0		14		7.0	10	
TOC	mg/L	4		5		6	4		3.9		4.9	3.0		3.3		3.2	2.9		2.6		2.5	3.0	
DOC	mg/L	3		4		4	3		2.7		3.9	2.5		3.3		3.0	2.3		2.6		2.3	2.6	
Chlorophyll a	ug/L	9.1		10		89	65		89		13	13		38		20	16		75		46	13	

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Sample Date:		May-94	Jun-94	Jul-94	Aug-94	Sep-94	May-95	Jun-95	Jul-95	Aug-95	Sep-95	May-96	Jun-96	Jul-96	Aug-96	Sep-96	May-97	Jun-97	Jul-97	Aug-97	Sep-97	May-98	Jun-98
Parameter	units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Semi-volatile Organics																							
Acenaphthene	ug/L	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Acenaphthylene	ug/L	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Aniline	ug/L	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<5.0	<5.0
Anthracene	ug/L	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Benzidine	ug/L	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	na	na
Benzoic Acid	ug/L	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<50
Benzo(a)anthracene	ug/L	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Benzo(b)fluoranthene	ug/L	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<25
Benzo(k)fluoranthene	ug/L	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<25
Benzo(g,h,i)perylene	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<25	<25
Benzo(a)pyrene	ug/L	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<25
Benzyl Alcohol	ug/L	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<50
Benzyl butyl phthalate	ug/L	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
bis(2-chloroethoxy)methane	ug/L	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
bis(2-chloroethyl)ether	ug/L	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
bis(2-chloroisopropyl)ether	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<5.0	<5.0
bis(2-ethylhexyl)phthalate	ug/L	<10	<10	15	<10	<15	<15	23	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<3.0	<3.0
4-Bromophenyl phenyl ether	ug/L	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
4-Chloroaniline	ug/L	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<5.0	<5.0
2-Chloronaphthalene	ug/L	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
4-Chloro-3-methylphenol	ug/L	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Chlorophenol	ug/L	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
4-Chlorophenyl phenyl ether	ug/L	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chrysene	ug/L	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dibenzo(a,h)anthracene	ug/L	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<25
Dibenzofuran	ug/L	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<5.0	<5.0
Di-n-butylphthalate	ug/L	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichlorobenzene	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<5.0	<5.0
1,3-Dichlorobenzene	ug/L	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,4-Dichlorobenzene	ug/L	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
3,3'-Dichlorobenzidine	ug/L	<100	<100	<100	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2,4-Dichlorophenol	ug/L	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Diethyl phthalate	ug/L	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2,4-Dimethylphenol	ug/L	<10	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dimethyl phthalate	ug/L	<10	<10	<10	<10	5.4	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0