WATER BULLETIN NUMBER 65 -- INTERNATIONAL BOUNDARY AND WATER COMMISSION

QUALITY OF WATER - 1993

08-3772.00 RIO GRANDE AT FOSTER RANCH NEAR LANGTRY, TEXAS AND RANCHO SANTA ROSA, COAHUILA

1993 Date	Time Std.	Stream flow, Momen-tary CMS	Specific Conduct-ance Micro-siemens	pH Units	Water Temper-ature Deg C	Hard-ness, Total (as CaCO3) mg/L	Hard-ness, Noncar-bonate (as CaCO3) mg/L	Calcium ion (Ca), Dis-solved mg/L	Magne-sium ion (Mg), Dis-solved mg/L	Sodium ion (Na), Dis-solved mg/L	Sodium Adsorp-tion Ratio (SAR)	Potassium ion (K) Dissolved mg/L	Alka-linity Total (as CaCO3) mg/L	Sulfate ion (SO4) Dis-solved mg/L	Chloride ion (Cl), Dis-solved mg/L	Silica (SiO2), Dis-solved mg/L	Oxygen, Dis-solved (DO) mg/L	Coli-form, Fecal Cols./ 100 mL	Tur-bidity NTU	Solids Dis-solved (Calcu-lated) mg/L	Solids Dis-solved (Residue $180 Deg C) mg/L	Sus-pended Sedi-ment mg/L
Jan. 26	1105	22.6	1,570	8.4	11.5	330	180	90	25	200	5	6.6	154	330	210	12	11.1	K2	63	969	1,010	145
April 27	1025	18.8	1,500	8.3	21.0	320	180	85	25	200	5	7.3	138	370	170	17	8.8	31	35	961	1,080	78
Aug. 17	1100	25.6	1,260	8.3	26.5	270	130	75	19	160	4	6.8	136	330	120	23	9.3	K13	41	820	852	168

K Results based on colony count outside the acceptance range (non-ideal colony count)

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SUSPENDED SILT - 1993

1993 Date	Time Std.	Stream-flow, Momen-tary CMS	Gravimetric Percent	1993 Date	Time Std.	Stream-flow, Momen-tary CMS	Gravimetric Percent	1993 Date	Time Std.	Stream-flow, Momen-tary CMS	Gravimetric Percent
Jan. 4	1345	19.6	0.0129	May	0940	20.4	0.0131	Aug. 16	1025	25.7	0.9150
19	1230	22.3	0.0210	17	0935	18.7	0.0199	Sept. 7	1017	48.1	0.2712
Feb. 1	1110	24.3	0.0142	June	1005	20.6	0.0358	20	0947	36.8	0.1890
				14	0915	41.4	0.0708	Oct. 4	0930	35.0	0.0643
Mar. 1	1100	23.1	0.0126	21	1110	90.4	0.5837	18	0947	28.6	0.0186
15	1100	21.3	0.0098	30	0955	81.6	0.1073	Nov. 1	1127	30.4	0.0142
				July	0920	190	0.0101	15	1057	30.9	0.0101
Apr. 5	0950	18.9	0.0109	12	0905	103	0.0867	Dec. 6	1150	31.4	0.0102
19	1030	20.2	0.0102	19	1115	255	0.2322	20	1130	31.0	0.0063
				27	0930	151	0.6993				
				Aug.	1102	67.4	0.0840				

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SPECIFIC CONDUCTANCE OF WATER SAMPLES IN MICROSIEMENS/CM $ 25 DEG C - 1993

January		March		May		July		September		November	
4	1,600	1	1,560	17	1,360	6	860	7	810	1	1,420
19	1,690	15	1,450			12	1,040	20	1,150	15	1,460
						19	983				
						27	1,030				
February		**April**		**June**		**August**		**October**		**December**	
1	1,610					2	1,040	4	1,200	6	1,430
16	1,530					16	1,150			20	1,570