QUALITY OF WATER - 1997

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

1997 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. 29	1120	11.9	1,790	7.9	12.0	300	150	83	23.0	180	5	5.1	156	380	250	7.3	10.1	N.A.	6.2	1,030	1,140	47
Mar. 11	1100	10.8	1,230	7.9	19.0	340	190	97	22.0	120	3	5.1	142	300	120	14.0	8.6	N.A.	67.0	769	804	171
April 1	1050	9.83	1,250	7.8	18.0	310	170	85	23.0	138	3	5.4	145	290	130	17.0	9.0	N.A.	27.0	789	815	129
April 15	1115	10.8	1,710	7.8	17.0	390	250	100	31.0	218	5	6.6	143	390	230	19.0	9.7	N.A.	90.0	1,100	1,150	385
May 22	1945	204	506	7.7	23.0	180	88	55	8.7	70	2	4.2	87	170	51	9.6	6.1	N.A.	880	423	449	3,000
May 28	1230	54.9	973	7.6	26.5	300	200	100	11.0	83	2	5.7	105	320	46	13.0	6.5	N.A.	6,100	655	683	10,700
July 1	1015	15.9	628	7.7	26.5	160	33	53	7.3	57	2	3.7	131	120	33	14.0	8.0	N.A.	1,500	376	404	3,200
July 16	1020	28.3	967	7.4	27.5	260	160	88	10.0	102	3	5.5	101	290	49	13.0	5.5	N.A.	10,000	623	660	21,900
Aug. 07	1030	17.1	1,040	7.8	26.5	280	140	92	12.0	108	3	5.4	140	270	65	17.0	7.0	N.A.	2,700	666	788	4,820
Sept. 10	1110	8.64	1,090	7.8	27.5	290	160	79	21.0	119	3	5.5	124	250	110	21.0	7.5	N.A.	69.0	682	719	155
Nov. 19	1140	15.3	1,680	7.9	13.5	340	190	90	28.0	215	5	7.0	N.R.	335	230	17.7	10.6	N.A.	150	1,020	1,060	N.R.

Missing data
* Flow provided by the US Geological Survey
N.R. - None Reported
N.A. - Not Analyzed

SUSPENDED SILT - 1997

1997 Date	Time Std.	Stream-flow, Momen-tary CMS	Gravimetric Percent	1997 Date	Time Std.	Stream-flow, Momen-tary CMS	Gravimetric Percent	1997 Date	Time Std.	Stream-flow, Momen-tary CMS	Gravi-metric Percent
Jan. 03	1240	14.2	0.0076	May 5	1040	11.2	0.0102	Aug. 22	1225	45.6	0.3077
21	1035	14.7	0.0035	19	1245	25.4	0.1316	Sept.08	1010	15.1	0.0203
Feb. 03	1025	13.7	0.0049	20	1115	77.0	0.2924	22	0915	10.3	0.0129
18	1100	13.0	0.0092	June 2	0905	43.9	0.0708	Oct. 06	1015	11.2	0.022
Mar. 03	1040	15.1	0.0467	13	0940	43.6	0.4561	20	1030	11.2	0.0355
17	1040	16.1	0.0253	July 1	1015	17.5	0.2082	Nov. 03	1130	14.8	0.024
31	1400	11.9	0.0032	21	1030	20.4	0.5293	17	1130	15.2	0.0246
April 14	0935	15.0	0.0242	Aug. 04	0910	23.4	0.6848	Dec. 01	1030	16.2	0.0191
								15	1030	16.2	0.0128

SPECIFIC CONDUCTANCE OF WATER SAMPLES IN MICROSIEMENS/CM $ 25 DEG C - 1997

January		March		May		July		September		November	
3	1,940	3	1,310	5	1,640	1	685	8	1,020	3	1,660
21	1,910	17	1,970	19	1,300	21	1,130	22	1,060	17	1,670
		31	1,420	20	335						
February		**April**		**June**		**August**		**October**		**December**	
3	1,750	14	1,580	2	1,290	4	1,900	6	1,150	1	1,770
18	1,800			13	940	22	1,860	20	930	15	1,790