QUALITY OF WATER - 1997

08-3640.00 RIO GRANDE AT EL PASO, TEXAS

1997 Date	Time Standard	Streamflow Momentary CMS	Specific Conductance Micro-siemens /cm	pH Units	Water Temper-ature Deg C	Hardness, Total (as CaCO3) mg/L	Hardness, Noncarbonate (as CaCO3) mg/L	Calcium ion (Ca), Dissolved mg/L	Magnesium ion (Mg), Dissolved mg/L	Sodium ion (Na), Dissolved mg/L	Sodium Adsorption Ratio(SAR)	Potassium ion (K) Dissolved mg/L	Alkalinity Total (as CaCO3) mg/L	Sulfate ion (SO4) Dissolved mg/L	Chloride ion (Cl), Dissolved mg/L	Silica (SiO2) Dissolved mg/L	Solids Dissolved (Calculated) mg/L
Jan. 16	0825	2.38	2,320	8.0	3.5	450	200	130	30	330	7	9.9	250	460	320	28	1,460
Feb. 20	0825	9.94	1,200	7.7	10.0	250	68	73	17	140	4	8.1	180	200	150	15	714
Mar. 20	0810	34.3	948	7.8	15.0	210	56	60	14	110	3	6.2	150	150	86	14	532
April 17	0810	18.9	1,120	7.8	16.0	260	81	76	17	140	4	7.4	180	220	110	16	687
July 17	0800	32.0	1,050	7.6	25.0	230	73	68	15	126	4	7.1	160	200	88	14	613
Sept. 25	0815	14.3	1,090	8.4	19.5	230	67	68	14	114	3	6.2	160	220	97	20	634
Nov. 20	0810	5.49	1,770	7.9	10.0	390	140	110	24	221	5	9.6	240	370	190	25	1,100
Dec. 18	1000	4.08	1,990	8.0	4.5	440	180	120	35	296	6	11.0	260	480	300	27	1,420

1997 Date	Water Temper-ature Deg C	Oxygen Dissolved (DO) mg/L	pH Units	form, Fecal Colonies /100 mL	Demand Bio-Chemical (BOD) 5 Day mg/L
Jan. 9	1.7	12.0	8.0	160	3
16	3.3	11.4	8.3	100	3
23	7.8	10.0	8.1	100	3
30	NST	NST	NST	NST	NST
Feb. 6	8.3	10.0	8.3	170	3
13	9.4	10.0	8.2	130	5
20	10.0	10.0	8.2	140	4
27	7.2	10.3	8.1	320	3
Mar. 6	8.9	10.0	8.3	180	3
13	14.4	9.0	7.9	190	7
20	15.0	8.8	8.0	230	3
27	13.3	9.0	8.1	0	2
April 3	14.4	9.0	8.2	110	2
10	14.4	9.0	8.1	310	3
17	16.1	8.6	8.1	230	3
24	15.6	8.8	8.1	210	2
May 1	16.7	8.6	8.1	140	3
8	20.0	8.1	8.1	990	2
22	20.0	7.9	8.0	830	5
29	21.7	7.6	8.2	220	3
June 5	22.8	7.6	8.2	190	5
12	23.3	7.4	8.0	200	2
19	23.9	7.4	8.3	580	5
26	22.8	7.6	8.0	220	3
July 3	24.4	7.3	8.2	200	3
10	24.4	7.3	8.0	580	5

1997 Date	Water Temper-ature Deg C	Oxygen Dissolved (DO) mg/L	pH Units	form, Fecal Colonies /100 mL	Demand Bio-Chemical (BOD) 5 Day mg/L
July 17	25.0	7.3	8.1	220	3
24	26.1	7.2	8.1	430	4
31	25.6	7.2	7.8	120	3
Aug. 7	24.4	7.4	8.0	600	4
14	24.4	7.3	8.1	880	4
21	25.6	7.2	7.8	240	3
28	25.0	7.3	7.9	500	5
Sept. 4	22.8	7.6	7.8	430	3
11	23.9	7.4	7.9	#	2
18	25.0	9.7	7.8	1,160	3
25	19.4	8.1	7.9	570	2
Oct. 2	21.7	7.7	7.8	650	4
9	18.3	7.7	8.0	690	2
16	13.9	9.0	7.9	830	4
23	15.0	8.8	7.8	890	3
30	12.8	9.2	8.0	320	1
Nov. 6	11.7	9.4	7.9	270	2
13	11.1	9.6	8.1	620	2
20	10.0	9.8	8.2	220	1
Dec. 4	NST	NST	NST	NST	NST
11	4.44	11.1	8.3	150	5
18	6.67	10.5	8.2	50	2
25	NST	NST	NST	NST	NST

NST- No Sample Taken
- Missing Data

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

Day	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1								1,090		1,280		2,080
2				989	1,190	1,140	984		1,200			
3		1,990	1,010				1,010		1,200	1,460	1,840	2,100
4				1,010		1,030		1,540				
5		2,010	976		1,200				1,530	1,470	1,980	2,080
6	2,350					1,080		1,510				
7		2,020	1,020	1,110	1,050		985				1,990	
8	2,460							1,220	1,430	1,470		1,990
9	2,370			1,080	1,080	902	1,040					
10	3,160	2,190	995						1,390	1,480	1,990	2,000
11				1,110		952	1,240	1,320				
12		2,230	947						1,370	1,480	1,980	1,990
13	2,870					1,030		1,380				
14		1,960	960	1,150			1,320				1,910	
15	2,320								1,350	1,480		2,130
16				1,150	1,340	936	1,250					
17	2,270		973						1,380	1,500	1,940	2,140
18		1,870		1,160		937	1,260	1,290				
19		1,300	1,010		1,330			1,270	1,020		2,020	2,150
20						1,020		1,240		1,590		
21		1,240	937	1,140	1,320		1,200				1,980	
22	2,250							1,170	1,020	1,590		
23	1,430			1,190	1,320	1,010	1,060					
24	1,420	1,080	1,000						1,270	1,590		
25				1,240		1,050	1,220	1,170				
26		1,050	909						1,280			
27	1,780				1,390	976		1,160		1,810		
28		1,110	945	1,060			1,110					
29					1,370			1,180	1,280	1,810		
30				1,160		963	1,180					
31	1,860		973		1,320					1,820		