QUALITY OF WATER - 1997

08-4509.00 RIO GRANDE BELOW AMISTAD DAM NEAR CD. ACUNA, COAHUILA AND DEL RIO, 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. 15	1045	36.8	1,170	8.0	11.0	280	160	74	22	130	3	5.1	N.R.	220	150	15	687
Jan. 28	1430	45.6	1,210	7.9	11.5	290	160	78	22	130	3	5.0	120	240	160	13	727
Feb. 19	1330	48.1	1,230	7.9	11.0	280	160	77	22	130	3	5.3	N.R.	230	160	13	709
Mar. 10	1320	45.0	1,200	7.9	13.0	300	170	80	23	130	3	4.9	120	230	160	13	721
Mar. 19	1145	43.6	1,210	7.8	12.5	290	160	78	22	130	3	4.9	N.R.	230	160	13	711
April 3	1015	38.8	1,180	7.7	14.0	290	160	79	21	126	3	5.2	130	230	160	13	711
April 16	0715	16.7	1,210	7.9	14.5	310	190	85	23	134	3	5.2	N.R.	220	160	13	714
May 21	1305	45.9	1,210	7.9	16.5	290	170	78	23	135	3	5.1	N.R.	210	140	13	686
May 30	0845	3.96	1,190	7.7	17.5	290	160	78	22	130	3	5.3	130	220	160	12	714
June 18	0955	4.47	1,220	7.3	19.5	280	160	78	21	129	4	5.5	N.R.	210	150	11	680
July 16	1255	45.9	1,240	7.5	19.0	290	170	78	22	137	4	4.9	N.R.	220	160	12	699
Aug. 8	0940	9.63	1,220	7.4	19.0	300	170	82	23	134	3	5.0	130	220	160	12	725
Aug. 21	0835	7.31	1,140	7.6	20.5	270	150	74	21	124	3	4.6	N.R.	220	150	11	683
Sept. 11	0920	4.7	1,220	7.5	21.0	290	160	78	23	134	3	4.7	130	230	170	12	737
Sept. 17	0850	10.0	1,200	7.9	21.0	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	220	160	12	N.R.
Oct. 15	0745	7.59	1,150	7.8	20.5	270	160	75	20	120	3	4.0	N.R.	210	160	13	673
Nov. 19	1300	48.7	1,160	7.8	17.0	260	160	68	21	123	3	4.9	N.R.	220	170	14	682
Dec. 18	1445	N.R.	N.R.	N.R.	N.R.	260	N.R.	68	22	128	3	5.1	N.R.	210	150	13	N.R.

N.R. - None Reported

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								1,550		1,250		1,170
2				1,210		1,220	1,290		1,580			
3	1,240	1,290	1,220							1,190	1,140	1,190
4				1,230		1,230		1,500				
5		1,270	1,220		1,230				1,160		1,160	1,180
6	1,280					1,290		1,510		1,210		
7		1,300	1,230	1,280	1,240		1,320				1,160	
8	1,270							1,540	1,220	1,210		1,170
9				1,220	1,240	1,190	1,330					
10	1,200	1,260	1,210	1,210					1,210	1,200		1,170
11				1,220		1,250	1,320	1,570				
12		1,310	1,190		1,220				1,210		1,170	1,170
13	1,210					1,240		1,590				
14		1,250	1,210	1,200	1,160		1,330			1,170	1,150	
15	1,200							1,590	1,200	1,160		1,170
16				1,220	1,200	1,220	1,350					
17	1,200		1,230							1,170	1,160	1,190
18		1,270		1,200		1,230	1,340	1,590	1,200			
19		1,260			1,220						1,160	1,200
20						1,230				1,160		
21	1,210	1,260	1,230	1,230	1,220		1,340				1,160	
22	1,230							1,570	1,180	1,170		1,180
23				1,220		1,240	1,320					
24	1,220	1,250	1,210						1,210	1,180	1,170	1,160
25				1,210		1,330	1,340	1,580		1,170		
26		1,230							1,200		1,180	
27	1,250				1,220	1,260		1,580		1,170		
28		1,250		1,210	1,220		1,550				1,180	
29	1,250							1,560	1,270	1,190		1,160
30				1,200	1,220	1,340	1,540					
31	1,250									1,180		1,180