QUALITY OF WATER - 1991

08-4509.00 RIO GRANDE BELOW AMISTAD DAM NEAR CD. ACUNA, COAHUILA AND DEL RIO, TEXAS

1991 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. 24	0830	48.7	1,100	8.0	11.0	270	130	80	16	120	3	5.5	134	250	120	15	688
Feb. 21	0745	41.6	1,210	8.1	11.0	290	150	85	18	140	4	5.6	138	270	140	16	758
Mar. 20	0750	112	1,130	8.0	13.0	260	130	78	17	120	3	5.5	134	250	130	16	698
April 17	0740	54.9	1,110	7.9	20.0	270	130	80	17	130	3	5.3	136	240	120	16	691
May 23	0755	145	1,140	8.0	16.0	280	140	83	17	130	3	5.6	138	240	120	16	695
June 19	0930	54.9	1,140	7.8	23.0	280	140	84	16	130	3	5.5	138	240	120	16	695
July 19	0655	56.9	1,160	7.8	18.0	290	150	84	19	130	3	5.6	138	260	140	16	738
Aug. 21	0800	57.8	1,160	7.9	21.0	290	140	84	19	130	3	5.4	144	260	130	17	733
Sept. 18	0650	374	1,090	7.7	23.0	260	130	75	17	130	4	5.2	126	250	120	17	691
Oct. 16	0810	255	985	7.8	22.0	240	120	69	16	110	3	5.3	116	210	95	16	592
Nov. 20	0800	46.7	924	7.9	16.5	230	110	68	14	100	3	4.9	121	200	94	18	572
Dec. 18	0805	38.8	958	7.9	14.0	240	110	70	15	110	3	5.7	125	210	96	17	600

SPECIFIC CONDUCTANCE OF WATER SAMPLES IN MICROSIEMENS/CM $ 25 DEG C - 1991

Day	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		1,100	1,170	1,120	1,110		1,140	1,120				
2	1,080							1,190		755		961
3				1,130	1,140	1,150	1,140		1,160			
4	1,070	1,110	1,160						1,140	681	984	963
5				1,130			1,170					
6		1,130	1,150		1,130				1,150		998	962
7	1,070					1,140		1,190		730		
8		1,130	1,140	1,120	1,140		1,190				988	
9	1,080							1,180	1,130	922		978
10				1,120	1,150	1,160	1,170					
11	1,180	1,210	1,160						1,120	934		977
12				1,120		1,130	1,150	1,170			994	
13		1,190	1,150						764		994	979
14	1,130					1,130		1,170				
15			1,140	1,110	1,140		1,170			989	987	
16								1,160				968
17				1,120	1,140	1,140	1,090		1,120			
18	1,120		1,150						1,120	985	1,010	982
19		1,260		1,100		1,140	1,170	1,110			951	
20					1,140				1,100			1,030
21		1,210						1,180		963		
22	1,110		1,150	1,120	1,130		1,110				950	
23	1,110							1,180	1,050	953		1,020
24				1,110	1,090	1,130	1,150					
25	1,120	1,200	1,120							948	961	
26				1,130								1,110
27		1,170	1,160					1,180	833		964	1,130
28	1,100				1,140			1,180				
29			1,130	1,070	1,090		1,110			942	965	
30	1,100							1,160	773	286		968
31					1,080							