WATER BULLETIN NUMBER 65 -- INTERNATIONAL BOUNDARY AND WATER COMMISSION QUALITY OF WATER - 1990

08-4613.00 RIO GRANDE BELOW FALCON DAM NEAR FALCON, TEXAS AND NUEVA CD. GUERRERO, TAMAULIPAS

1990 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. 18	0930	182	1,360	7.9	14.5	300	188	78	25	160	4	6.3	112	300	170	12	818
Feb. 20	1130		1,390	7.9	15.5	300	182	78	26	160	4	6.0	118	300	180	12	833
Mar. 21	1130		1,400	8.0	19.0	300	179	79	26	170	4	6.0	121	300	190	12	856
Apr. 18	1300		1,390	7.9	21.0	310	192	81	26	170	4	5.3	118	320	160	12	845
May 21	0930	377	1,370	7.9	24.5	290	177	77	24	170	4	6.0	113	290	170	13	818
June 18	0930	140	1,330	7.7	26.5	280	172	74	24	160	4	6.1	108	290	170	14	803
July 20	1100	59.8	1,380	7.6	26.5	300	193	77	25	170	4	5.9	107	280	180	14	816
Aug. 15	1100	44.7	1,310	7.6	26.5	280	178	72	24	160	4	6.4	102	290	170	13	797
Sep. 20	0915	24.9	1,240	7.7	26.5	270	167	72	23	150	4	6.3	103	270	160	13	757
Oct. 18	1330	66.6	1,130	7.8	25.0	260	155	69	21	140	4	5.7	105	250	150	13	712
Nov. 23	1130	38.2	1,090	7.9	20.0	260	142	74	19	120	3	5.1	118	230	120	13	653
Dec. 18	1130	73.1	1,110	7.8	18.0	260	145	71	20	130	4	6.0	115	230	130	13	670

1990	Time Std.	Stream-flow, Momen-tary CMS	Specific Conduct-ance Micro-siemens /cm	pH Units	Water Temper-ature Deg C	Oxygen, Dis-solved (DO) mg/L	Coli-form, Fecal Cols./ 100 mL	Oxygen, Demand, Bio-Chemical (BOD) 5 Day mg/L	Alka-linity Total (as CaCO3) mg/L	Sulfate ion (SO4), Dis-solved mg/L	Chloride ion (Cl), Dis-solved mg/L	Solids Dis-solved (Residue $180 Deg C) mg/L	Sus-pended Solids mg/L
Mar. 26	1400	46.7	1,390	7.6	18.5	8.6	< 7		114	350	174		10
June 12	1400	234	1,340	8.6	28.9	8.2	< 7		114	297	172		24

< Actual value is known to be less than the value shown

Quality of Water - 1990 08-4613.00 Rio Grande Below Falcon Dam Near Falcon, Texas and Nueva CD. - Guerrero, Tamulipas

Specific Conductance of Water Samples in Microsiemens/CM @ 25 Dec C - 1990

Day	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1,290					1,330		1,390		1,240		
2		1,350	1,380	1,370	1,400		1,370				1,070	
3	1,310							1,400	1,260	1,230		1,100
4				1,380	1,410	1,340	1,390					
5	1,310	1,350	1,380						1,240	1,220	1,060	1,120
6				1,370		1,330	1,360	1,380				
7		1,350	1,380		1,400				1,260		1,120	1,120
8	1,310					1,330		1,370		1,170		
9		1,360	1,370	1,370	1,400		1,390				1,110	
10	1,270							1,360	1,260	1,160		1,130
11				1,360	1,400	1,340	1,380					
12	1,320	1,370	1,370						1,270	1,180	1,110	1,130
13				1,370		1,340	1,390	1,330				
14		1,380	1,370		1,370				1,240		1,100	1,130
15	1,320					1,340		1,330		1,180		
16		1,370	1,370	1,370	1,340		1,390				1,100	
17	1,340							1,320	1,250	1,170		1,130
18				1,410	1,370	1,350	1,400					
19	1,340	1,370	1,370						1,240	1,140	1,110	1,130
20				1,420		1,340	1,390	1,330				
21		1,370			1,360				1,250		1,040	1,120
22	1,340					1,360		1,290		1,150		
23		1,370	1,370	1,420	1,360		1,400				1,080	
24	1,340							1,300	1,230	1,170		1,120
25				1,410	1,350	1,350	1,390					
26	1,340	1,370	1,380						1,220	1,140	1,080	1,130
27				1,410		1,360	1,390	1,280				
28		1,370	1,370		1,350				1,230		1,090	1,130
29	1,340					1,360		1,270		1,160		
30			1,370	1,420	1,350		1,380				1,110	
31	1,340							1,260		1,150		1,140