Appendix A. Summary of Field and Labatory Data (January 1997 - December 1997)

Rio Grande International Study Center

Field/Laboratory Data

Site A

Date	Time	Air Temp °C	Water Temp °C	Depth M	Flow f/s	pH	DO mg/L	Oxygen Sat %	Field TDS mg/L	Cond mS/cm	Battery (V)	Fecal Coliforms col/100ml	Total Hardness mg/L	Total Alkalinity mg/L	P. Alkalinity mg/L	BOD mg/L	COD mg/L	TSS mg/L	Lab TDS mg/L	Turbidity N.T.U.	Calcium mg/L	Chloride mg/L	Magnesium mg/L	Nitrate mg/L	Phosphate mg/L	Sulfate total mg/L	Ammonia total mg/L	Nitrite total mg/L	Nitrogen total mg/L
2/1/1997	8:00	14.0	11.84	0.3	1.67	8.14	11.50	106.8	600	0.968	10.3									89.0									
2/26/1997	7:38	11.8	14.4	.3	2	7.75	10.13	99.1	500	.818	10.5									37.4									
3/31/1997	7:30	14.0	21	.3	2	7.91	8.24	92.7	600	1.026	10.5									60.3									
4/30/1997	7:30	21.2	22.14	.3	2	8.18	8.50	96.1	700	1.11	10.0																		
5/28/1997	7:30	20.6	28.2	.3	1.82	8.15	7.29	93.8	600	.97	10.1									16.3?									
6/ / 1997																													
7/27/1997	11:00	27.9	29.4	.3		8.25	7.42	96.9	700	1.080	10.8									.7									
7/29/1997	8:15	27.1	29.5	.3	2	8.18	7.92	104.6	800	1.302	10.9									6.8									
8/12/1997	10:10	29.3	28.35	.33		8.13	7.49	96.6	800	1.322	10.0									11.3									
9/8/1997	8:45	24.0	28.73	.3	2.5	7.88	7.40	96.2	800	1.238	10.6									12.9									
9/24/1997	8:45	24.0	28.73	.3	2.5	7.88	7.40	96..2	800	1.238	10.6									12.9?									
10/29/1997	9:00	18	17.86	.3	2.5	8.22	8.92?	94	600	.942	12.4									6.4									
12/1/1997	8:20	12	16.55	.3	2.0	8.10	9.44	80.0	500	.921	10.6									4.4									
12/19/1997	8:00	17	12.03	.3	2.85	8.12	11.84	109.9	500	.873	10.6	25								2.9									

Appendix A. Continued

Site B

Date	Time	Air Temp °C	Water Temp °C	Depth M	Flow f/s	pH	DO mg/L	Oxygen Sat %	Field TDS mg/L	Cond mS/cm	Battery (V)	Fecal Coliforms col/100ml	Total Hardness mg/l	Total Alkalinity mg/l	P. Alkalinity mg/L	BOD mg/l	COD mg/l	TSS mg/l	Lab TDS mg/l	Turbidity N.T.U	Calcium mg/l	Chloride mg/l	Magnesium mg/l	Nitrate mg/L	Phosphate mg/L	Sulfate total mg/L	Ammonia total mg/L	Nitrite total mg/L	Nitrogen total mg/L
2/1/1997	9:20	15.4	12.04	.3	2.5	8.15	10.97	102.5	600	.975	10.1									84.4									
2/26/1997	8:35	10.1	14.2		2	7.82	9.9	96.3	500	.847	10.3									42									
3/31/1997	8:30	13.7	21.5	.3	1.67	8.05	7.92	90.3	600	1.047	10.3									56.2									
4/30/1997	9:12	23.9	22.15	13	2	8.15	8.70	100	700	1.13	9.9									7									
5/28/1997	9:50	23.2	27.8	.3		8.15	7.48	97.5	600	.975	10.1									16.4?									
6/ /1997																													
7/1/1997	8:40	26.5	28.11	.3	1.67	8.40	7.61	9.75	600	.996	11.4									.5?									
7/29/1997	9:15	29.4	29.27	.3	2	8.26	5.89	77.5	800	1.296	10.7									7.8									
8/ / 1997																													
9/8/1997	9:45	28.5	28.73	.3	10	8.13	7.47	94.9	800	1.340	11.6									9.2									
9/24/1997	9:45	25.5	28.0	.3	2	7.91	7.25	93.2	700	1.144	10.7									15.6									
10/29/1997	11:00	22	19.1	.3	2	8.16	8.6		600	.950	12.7									6.9									
12/1/1997	11:10	16	16.83	.3	1.6	8.16	9.22	95.6	600	.933	10.8									4.0									
12/19/1997	9:00	18.5	11.92	.3	1.7	8.26	11.31	104.9	500	.878	10.4	25								2.7									

Appendix A. Continued

Site C

Date	Time	Air Temp °C	Water Temp °C	Depth M	Flow f/s	pH	DO mg/l	Oxygen Sat %	Field TDS mg/l	Cond mS/cm	Battery (V)	Fecal Coliforms col/100ml	Total Hardness mg/l	Total Alkalinity mg/l	P. Alkalinity mg/L	BOD mg/l	COD mg/l	TSS mg/l	Lab TDS mg/l	Turbidity N.T.U.	Calcium mg/l	Chloride mg/l	Magnesium mg/l	Nitrate mg/L	Phosphate mg/L	Sulfate total mg/L	Ammonia total mg/L	Nitrite total mg/L	Nitrogen total mg/L
2/1/1997	11:40	16.8	13.10	.3	1.67	8.18	10.69	101.9	600	1.013	10.2																		
2/26/1997	12:15	15.4	15.58		2.5	7.83	9.89	101.2	600	1.047	10.4									34.5									
3/31/1997	10:00	14.1	20.3	.3	2	7.96	7.82	87.9	700	1.090	10.3									58.3									
4/30/1997	11:20	25.5	23.37	.3	2.5	8.10	8.24	97.1	700	1.16	9.9																		
5/28/1997	11:00	25.0	28.11	.3	2.5	8.05	7.23	93.2	500	.907	10.2									19.6									
6/ /1997																													
7/1/1997	9:50	28.4	28.51	.3	2.22	8.40	7.40	95.8	600	1.001	11.4									16?									
7/29/1997	10:35	33.3	29.89	.3	1.43	8.16	4.80	63.5	800	1.330	11									8.3	`								
8/ /1997																													
9/8/1997	11:00	30.5	29.37	.3	1.66	7.98	6.79	89.6	900	1.390	12.0									10.1									
9/24/1997	12:00	28.0	28.53	.3	2	7.85	6.52	84.7	700	1.118	10.9									22.1									
10/29/1997	12:50	30	19.8	.3	2	8.05			600	.998	12.8									7.2									
12/1/1997	13:05	22.5	18.04	.3	2.25	8.22	8.73	93.0	600	.959	11.1									3.9									
12/19/1997	11:15	21.5	12.99	.3	2.45	8.22	11.83	112.7	500	.921	10.6	10								2.6									

Appendix A. Continued

Site D

Date	Time	Air Temp °C	Water Temp °C	Depth M	Flow f/s	pH	DO mg/l	Oxygen Sat %	Field TDS mg/l	Cond mS/cm	Battery (V)	Fecal Coliforms col/100ml	Total Hardness mg/l	Total Alkalinity mg/l	P. Alkalinity mg/L	BOD mg/l	COD mg/l	TSS mg/l	Lab TDS mg/l	Turbidity N.T.U.	Calcium mg/l	Chloride mg/l	Magnesium mg/l	Nitrate mg/L	Phosphate mg/L	Sulfate total mg/L	Ammonia total mg/L	Nitrite total mg/L	Nitrogen total mg/L
2/1/1997	10:45	17.5	13.39	.3	1.428	8.09	10.21	98.0	600	1.038	10.1																		
2/26/1997	10:45	12.6	15.10		1.67	7.67	8.77	87.4	700	1.165	10.3									24.2									
3/31/1997	11:00	14.5	20.5	.3	2	7.95	7.75	87.3	700	1.122	10.3									60.3									
4/30/1997	12:20	29.2	24.02	.3		7.97	8.15	97.2	700	1.19	10.2																		
5/28/1997	12:10	29.7	28.3	.3	1.66	7.72	5.96	76.8	500	7.77	10.5									18.9									
6/ /1997																													
7/1/1997	11:00	30.5	29.	.3	1.25	8.47	7.75	101.1	600	.99	11.8									.5?									
7/29/1997	11:30	36.2	30.4	.3	2	8.08	4.68	62.8	800	1.290	11.2									13.1									
9/8/1997	12:30	34.0	30.11	.3	2	7.90	7.14	95.2	900	1.430	12.3									7.3									
9/24/1997	13:30	32.0	29.04	.3		7.78	6.10	85.5	800	1.257	11.3									14.2									
10/29/1997	14:00	27.	20.16	.3	1.66	7.86	8.1		600	1.025	13.3									10.3									
12/1/1997	14:40	28.5	18.49	.3	2.2	8.29	10.9	116.29	600	.992	11.1									2.5									
12/19/1997	12:20	24.0	13.60	.3	1.25	8.16	11.30	109.2	600	.947	10.7	10								2.4									

*** Average of two samples**