Table 2. Chemical analyses of surface-water-quality samples collected during the Rio Grande low flow seepage investigations, 2004 through 2007 water years

Site number	Station number	Station name	Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, wat unf lab, Hach 2100AN NTU (99872)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	Barometric pressure, mm Hg (00025)
1	322841106551010	RIO GRANDE BELOW LEASBURG DAM, NM	02-24-04	0900	2.1	2.5	--	660
			02-23-05	1020	15	--	41	661
			02-14-06	0945	6.7	--	<2.0	666
			02-13-07	0900	29	--	8.3	659
17	320648106400510	RIO GRANDE AT NM 227 BRIDGE NEAR VADO, NM	02-14-06	1500	.09	--	3.4	665
			02-13-07	1440	14	--	5.2	661
18	320610106393110	DEL RIO DRAIN AT LEVEE ROAD NEAR VADO, NM	02-25-04	0845	.16	21	--	668
24	315807106361910	EAST SIDE DRAIN AT LEVEE ROAD NEAR ANTHONY, TX	02-25-04	1200	2.0	49	--	670
			03-04-05	0840	.91	--	84	667
			02-15-06	0900	2.3	--	29	669
			02-14-07	0950	3.3	--	35	665
32	314810106324610	MONTOYA DRAIN AT SUNLAND PARK, N. MEX.	03-04-05	1315	9.6	--	15	667
			02-15-06	1515	16	--	24	665
			02-14-07	1505	21	--	33	664
34	08364000	RIO GRANDE AT EL PASO, TX	02-25-04	1630	9.8	9.2	--	668
			03-04-05	1700	14	--	12	665
			02-15-06	1510	23	--	--	662
			02-14-07	1345	38	--	--	674

Table 2. Chemical analyses of surface-water-quality samples collected during the Rio Grande low flow seepage investigations, 2004 through 2007 water years--Continued

Site number	Station number	Date	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Hard-ness, water, mg/L as CaCO3 (00900)	Noncarb hard-ness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)
1	322841106551010	02-24-04	10.0	96	8.4	2230	5.0	7.0	390	160	117	23.1	26.8
		02-23-05	9.5	108	8.2	1340	17.0	14.5	330	130	98.7	19.1	11.9
		02-14-06	10.7	91	8.1	1850	10.0	7.8	380	160	114	23.4	17.3
		02-13-07	10.7	105	8.1	1590	8.0	8.0	390	180	113	25.3	9.48
17	320648106400510	02-14-06	10.1	114	8.5	1450	25.0	20.9	220	--	62.8	15.8	10.2
		02-13-07	11.1	118	8.4	1420	9.5	11.5	280	--	76.6	20.5	16.3
18	320610106393110	02-25-04	6.6	64	8.0	1330	6.0	8.0	300	140	81.6	23.3	8.68
24	315807106361910	02-25-04	13.6	145	8.7	1920	14.0	12.0	220	--	57.6	18.6	35.3
		03-04-05	6.5	66	8.2	1980	9.0	10.0	200	--	54.6	16.0	26.7
		02-15-06	6.5	56	8.2	2180	19.0	9.2	250	--	64.5	21.7	30.1
		02-14-07	10.8	104	8.5	2520	7.0	7.5	270	--	67.5	23.8	35.4
32	314810106324610	03-04-05	15.4	187	8.4	4000	22.0	17.5	550	230	149	41.8	9.02
		02-15-06	11.1	112	8.3	3260	21.0	15.5	480	180	136	34.0	9.46
		02-14-07	11.8	130	8.4	3610	10.5	13.0	470	150	134	33.8	8.61
34	08364000	02-25-04	17.5	208	8.8	4270	21.0	16.5	550	290	159	37.6	14.0
		03-04-05	8.0	101	8.7	3780	20.0	19.5	490	210	132	37.7	11.9
		02-15-06	11.9	144	8.6	3690	24.0	17.0	440	160	125	31.4	10.8
		02-14-07	11.0	117	8.6	3020	9.5	12.0	370	130	103	27.3	10.7

Table 2. Chemical analyses of surface-water-quality samples collected during the Rio Grande low flow seepage investigations, 2004 through 2007 water years--Continued

Site number	Station number	Date	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Bromide, water, unfltrd ug/L (63689)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
1	322841106551010	02-24-04	6	285	228	270	4	--	.36	405	1.25	26.5	288
		02-23-05	4	164	193	230	2	--	.26	176	.72	15.3	234
		02-14-06	5	224	223	272	.0	--	.38	250	.90	20.9	307
		02-13-07	4	181	203	243	2	--	.35	185	.69	14.9	334
17	320648106400510	02-14-06	6	219	231	270	5	--	.26	137	.77	24.4	268
		02-13-07	4	165	E168	E199	E3	--	.28	187	.65	9.3	236
18	320610106393110	02-25-04	4	163	165	199	--	--	.18	137	.74	10.1	301
24	315807106361910	02-25-04	8	284	301	348	9	--	.15	255	1.09	26.0	275
		03-04-05	11	358	288	345	3	--	<.02	283	1.10	18.8	270
		02-15-06	10	366	337	402	4	--	.35	307	1.19	21.5	348
		02-14-07	11	406	317	374	6	--	.40	349	1.31	21.7	396
32	314810106324610	03-04-05	14	741	317	374	6	--	.67	676	.94	32.4	790
		02-15-06	11	549	304	360	5	--	.67	492	1.02	36.6	690
		02-14-07	12	579	319	378	6	--	.69	545	1.07	39.1	728
34	08364000	02-25-04	12	670	260	290	13	--	.79	737	1.26	36.4	874
		03-04-05	14	686	277	314	12	--	.62	640	.99	30.6	724
		02-15-06	11	531	278	322	8	.62	--	474	1.05	27.3	639
		02-14-07	11	471	241	282	6	.550	.60	447	.96	22.5	566

Table 2. Chemical analyses of surface-water-quality samples collected during the Rio Grande low flow seepage investigations, 2004 through 2007 water years--Continued

Site number	Station number	Date	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue water, fltrd, tons/ acre-ft (70303)	Residue water, dis-solved, tons/d (70302)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)	Boron, water, fltrd, ug/L (01020)
1	322841106551010	02-24-04	1310	1350	1.83	7.72	.24	<.04	<.06	<.008	<.02	<.04	<.04	300
		02-23-05	836	849	1.15	34.1	.35	<.04	<.06	<.008	E.01	<.04	.06	213
		02-14-06	1090	1160	1.58	20.9	.21	<.04	<.06	<.008	<.02	<.04	<.04	248
		02-13-07	986	1040	1.41	80.6	.42	E.018	.29	.005	.007	<.04	.04	210
17	320648106400510	02-14-06	877	915	1.24	.22	.59	.05	<.06	<.008	.16	.18	.23	219
		02-13-07	807	841	1.14	31.5	5.6	4.18	2.11	.218	.007	E.02	.08	251
18	320610106393110	02-25-04	824	860	1.17	.37	.82	.08	<.06	E.005	.03	.06	.16	253
24	315807106361910	02-25-04	1140	1190	1.61	6.44	6.8	3.99	.31	.068	1.55	1.63	1.93	398
		03-04-05	1220	1180	1.61	2.91	4.9	3.17	1.24	.343	2.42	2.67	2.91	458
		02-15-06	1370	1430	1.95	8.82	4.6	2.38	.45	.099	.64	.66	1.10	413
		02-14-07	1500	1540	2.10	13.8	1.1	.130	.45	.029	.388	.41	.52	479
32	314810106324610	03-04-05	2630	2630	3.58	68.2	.55	E.03	<.06	<.008	.03	.04	.09	803
		02-15-06	2130	2230	3.04	98.2	.53	E.03	.16	<.008	.07	.08	.14	609
		02-14-07	2260	2370	3.23	133	.52	.049	.12	.004	.093	.07	.20	600
34	08364000	02-25-04	2690	2850	3.88	75.1	1.3	.19	.98	.282	1.09	1.25	1.42	765
		03-04-05	2430	2450	3.33	89.9	.63	<.04	.44	.009	.58	.62	.68	761
		02-15-06	2010	2090	2.84	130	--	<.04	.93	E.007	.392	--	.47	460
		02-14-07	1800	1830	2.49	190	--	.957	.84	.400	.174	--	.32	457

Remark codes used in this table:
< -- Less than.
E -- Estimated.