QUALITY OF GROUND WATER

SPANISH SPRINGS

Lysimeter water quality data in this table were collected in Spanish Springs Valley as part of a cooperative study with the Washoe County Department of Water Resources. The purpose of this study is to determine an estimate of the amount of nitrogen entering the ground water from septic tank systems in the valley by collection of water quality data from lysimeters and ground water wells near septic systems.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Station name	Date	Time	Sample type	Depth of lysimeter, feet below LSD (72008)	Chlor-ide, water, fltrd, mg/L (00940)	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)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)
393812119423701	085 N21 E20 35CDCC2	08-04-04	0835	Environmental	10.	97.9	E.04	8.54	<.008	8.69
		09-08-04	1150	Environmental	10.	--	.25	65.1	.009	66.1
393812119423702	085 N21 E20 35CDCC3	08-04-04	0825	Environmental	3.	1,060	.80	24.9	.032	30.9
		09-08-04	1205	Environmental	3.	146	E.04	12.5	<.008	12.3
393821119421401	085 N21 E20 35DCBA2	08-04-04	0946	Environmental	10.	113	E.04	42.5	<.008	40.0
		09-21-04	1130	Environmental	10.	122	<.04	30.6	<.008	30.8
393821119421402	085 N21 E20 35DCBA3	08-04-04	0938	Environmental	5.	166	.06	36.2	E.007	35.3
		09-21-04	1135	Environmental	5.	117	E.03	44.0	E.004	43.4
393821119421403	085 N21 E20 35DCBA4	08-04-04	0954	Environmental	10.	187	42.3	3.97	.302	50.1
		09-21-04	1107	Environmental	10.	135	39.3	1.20	.627	43.4
393821119421404	085 N21 E20 35DCBA5	08-04-04	1007	Environmental	5.	153	1.48	12.8	1.09	16.0
		09-21-04	1122	Environmental	5.	179	.38	153	.492	167
393821119421407	085 N21 E20 35DCBA8	08-04-04	0900	Environmental	10.	176	39.4	2.01	.277	40.9
		09-21-04	1045	Environmental	10.	115	37.3	.93	.030	39.0
393821119421408	085 N21 E20 35DCBA9	08-04-04	0908	Environmental	5.	135	32.5	3.65	.185	37.9
		09-08-04	1048	Environmental	5.	104	12.3	18.2	1.04	27.8
393821119421409	085 N21 E20 35DCBA10	08-04-04	0927	Environmental	10.	118	.05	47.5	E.005	45.3
393821119421410	085 N21 E20 35DCBA11	08-04-04	0917	Environmental	5.	138	18.4	.25	.027	21.8
		09-21-04	1058	Environmental	5.	247	2.07	31.0	.928	34.4
393821119421411	085 N21 E20 35DCBA12	08-04-04	0851	Environmental	10.	504	.13	83.2	.017	86.5
393823119424503	085 N21 E20 35CBAC5	08-04-04	1214	Environmental	14.	--	.04	161	.018	164
		09-08-04	1443	Environmental	14.	51.6	E.03	75.5	E.007	77.0
393823119424504	085 N21 E20 35CBAC6	08-04-04	1220	Environmental	4.	52.7	.06	78.1	.025	74.6
		09-08-04	1436	Environmental	4.	75.5	.06	188	E.006	194
393823119424505	085 N21 E20 35CBAC7	08-04-04	1225	Environmental	14.	51.4	.91	57.4	.030	57.4
		09-08-04	1449	Environmental	14.	--	.07	189	.016	177
393823119424506	085 N21 E20 35CBAC8	08-04-04	1229	Environmental*	4.	--	1.61	796	.168	830
		09-08-04	1455	Environmental*	4.	73.1	1.33	955	.103	951
393823119424507	085 N21 E20 35CBAC9	08-04-04	1238	Environmental	14.	52.0	.80	66.0	.048	68.9
		09-08-04	1502	Environmental	14.	46.1	1.58	151	.152	143
393823119424508	085 N21 E20 35CBAC10	08-04-04	1244	Environmental	4.	47.2	<.04	139	<.008	143
		09-08-04	1512	Environmental	4.	44.6	<.04	142	<.008	132
393823119424509	085 N21 E20 35CBAC11	08-04-04	1250	Environmental	14.	52.0	.07	125	.056	124
393830119412103	085 N21 E20 36CAAC3	08-04-04	1028	Environmental	7.	33.7	18.3	<.06	<.008	19.2
		09-08-04	1230	Environmental	7.	34.4	24.6	.21	.193	25.0
393830119412105	085 N21 E20 36CAAC5	09-08-04	1254	Environmental	7.	32.3	2.81	3.58	.542	7.12
393830119412106	085 N21 E20 36CAAC6	08-04-04	1040	Environmental	3.	--	.06	113	E.007	94.5
		09-08-04	1308	Environmental	3.	118	.06	163	E.007	161
393830119412107	085 N21 E20 36CAAC7	08-04-04	1047	Environmental	7.	33.8	14.8	<.06	<.008	16.1
		09-08-04	1318	Environmental	7.	34.0	19.0	<.06	E.004	19.9
393830119412109	085 N21 E20 36CAAC9	08-04-04	1057	Environmental	7.	33.3	21.8	<.06	E.005	21.5
		09-08-04	1334	Environmental	7.	34.6	23.4	<.06	<.008	23.2
393830119412111	085 N21 E20 36CAAC11	08-04-04	1118	Environmental	7.	36.3	1.64	94.7	.735	91.1
		09-08-04	1348	Environmental	7.	35.0	E.04	60.4	.009	54.4
393830119412112	085 N21 E20 36CAAC12	08-04-04	1110	Environmental	3.	431	.14	92.1	.049	97.6
		09-08-04	1359	Environmental	3.	448	.07	148	E.007	141
393913119424001	085 N21 E20 26CCAA2	09-09-04	1530	Environmental	9.	114	.07	139	.182	135
393913119424004	085 N21 E20 26CCAA5	09-09-04	1617	Environmental	5.	77.4	.19	39.5	.026	38.9

Remark codes used in this table:
< -- Less than
E -- Estimated value
* -- Sampled directly out of a leach line.