Appendix A

Monitor Well Construction Details

Appendix A Construction Details for Site-Wide Groundwater Monitor Wells

Well Name	Former Well Name	Note	Hydrostrati-graphic Zone	Well Type	Well Log (Y or N)	Completion Date	Elevation/Well Depth: Meas. Pt. Elevation ft amsl	Meas. Pt Stickup ft ags	Total Depth of Cased Well ft bgs	Borehole & Annular Material: Boring Diameter in	Grout Seal Depth ft bgs	Annulus Grout Seal	Filter Pack Depth ft bgs	Filter Pack Depth ft amsl	Filter Pack Material/ Size	Well Casing & Screen: Casing/ Screen Type	Casing/ Screen Diameter in	Screen Slot Size in	Well Screen Interval ft bgs	Well Screen Interval ft amsl	Survey Location: Township, Range, Section Twp	Rng	Sec	Qtr Qtr	Nevada W State Plane Northing	Easting
Pumpback Wells																										
PW-1S	PW-1	a	Shallow	Pumpback	Y	10/1/1985	4361.35	0.75	48.5	12	17 - 19	Bentonite	19 - 48.5	4341.6 - 4312.1	#10-20 Sand	S80 PVC	5.76	0.02	25.5 - 48	4335.1 - 4312.6	T13N	R25E	S4	NWSW	1554674.40	326030.79
PW-2S	PW-2	a	Shallow	Pumpback	Y	10/1/1985	4367.89	0.77	53	12	26.5 - 28	Bentonite	28 - 53	4339.12 - 4314.12	#10-20 Sand	S80 PVC	5.76	0.02	31.5 - 52	4335.6 - 4315.1	T13N	R25E	S4	NWSW	1554596.30	325556.17
PW-3S	PW-3	a	Shallow	Pumpback	Y	10/1/1985	4372.09	0.61	58.5	12	29 - 31	Bentonite	31 - 58.5	4340.48 - 4312.98	#10-20 Sand	S80 PVC	5.76	0.02	37.5 - 58	4334.0 - 4313.5	T13N	R25E	S4	SWNW	1554732.10	325209.87
PW-4S	PW-4	a	Shallow	Pumpback	Y	10/1/1985	4366.91	0.87	56	12	28 - 30	Bentonite	30 - 56	4336.04 - 4310.04	#10-20 Sand	S80 PVC	5.76	0.02	34.5 - 54	4331.5 - 4312.0	T13N	R25E	S5	SENE	1555270.30	324927.23
PW-5S	PW-5	a	Shallow	Pumpback	Y	10/1/1985	4368.76	0.36	55	12	27 - 29	Bentonite	29 - 55	4339.4 - 4313.4	#10-20 Sand	S80 PVC	5.76	0.02	34 - 54.5	4334.4 - 4313.9	T13N	R25E	S5	SENE	1555699.20	324701.55
PW-6S	PW-6	a	Shallow	Pumpback	Y	10/21/1998	4368.57	0.56	48	12	3.5 - 26	Cem/Bent	26 - 48	4342.01 - 4320.01	#3 Sand	S40 PVC	4	0.02	28 - 45	4340.0 - 4323.0	T13N	R25E	S5	NWNE	1556807.80	323803.97
PW-7S	PW-7	a	Shallow	Pumpback	Y	10/22/1998	4366.44	0.59	49	12	3.5 - 25	Cem/Bent	25 - 49	4340.85 - 4316.85	#3 Sand	S40 PVC	4	0.02	26.5 - 46	4339.3 - 4319.8	T13N	R25E	S5	NWNE	1556809.40	323304.79
PW-8S	PW-8	a	Shallow	Pumpback	Y	10/22/1998	4366.79	0.63	52.5	12	3.5 - 26.5	Cem/Bent	26.5 - 52.5	4339.66 - 4313.66	#3 Sand	S40 PVC	4	0.02	29.5 - 49.5	4336.7 - 4316.7	T13N	R25E	S5	NWNE	1556803.00	322804.41
PW-9S	PW-9	a	Shallow	Pumpback	Y	10/23/1998	4366.99	0.58	52	12	3.5 - 26.5	Cem/Bent	26.5 - 52	4339.91 - 4314.41	#3 Sand	S40 PVC	4	0.02	29 - 49	4337.4 - 4317.4	T13N	R25E	S5	NENW	1556795.90	322304.70
PW-10S	PW-10	a	Shallow	Pumpback	Y	10/23/1998	4366.26	0.66	50	12	3.5 - 24.5	Cem/Bent	24.5 - 50	4341.1 - 4315.6	#3 Sand	S40 PVC	4	0.02	27 - 47	4338.6 - 4318.6	T13N	R25E	S5	NENW	1556794.80	321804.19
PW-11S	PW-11	a	Shallow	Pumpback	Y	10/24/1998	4369.30	0.56	52	12	3.5 - 26.5	Cem/Bent	26.5 - 52	4342.24 - 4316.74	#3 Sand	S40 PVC	4	0.02	29 - 49	4339.7 - 4319.7	T13N	R25E	S5	NENW	1556786.80	321303.50
Shallow Wells																										
B/W-1S			Shallow	Sampling	Y	10/22/2007	4357.60	3.00	40	6	0 - 11	Cem/Bent	17 - 40	4337.6 - 4314.6	#10-20 Sand	S40 PVC	2	0.01	20 - 40	4334.6 - 4314.6	T13N	R25E	S33	SESW	1557627.70	327083.52
B/W-3S			Shallow	Sampling	Y	9/26/2007	4353.37	2.67	40.5	6	0 - 11	Cem/Bent	17 - 40.5	4333.7 - 4310.2	#10-20 Sand	S40 PVC	2	0.01	20 - 40	4330.7 - 4310.7	T13N	R25E	S32	SENW	1561212.30	322346.23
B/W-4S			Shallow	Sampling	Y	1/21/2008	4384.87	3.07	85	6	0 - 55	Cem/Bent	61 - 85	4320.8 - 4296.8	#10-20 Sand	S40 PVC	2	0.01	65 - 85	4316.8 - 4296.8	T13N	R25E	S29	NWSE	1563798.40	322906.78
B/W-5SR	B/W-5RS	a	Shallow	Sampling	Y	11/16/2007	4359.17	3.07	50	6	0 - 20	Cem/Bent	27 - 50	4329.1 - 4306.1	#10-20 Sand	S40 PVC	2	0.01	30 - 50	4326.1 - 4306.1	T13N	R25E	S31	NESE	1560194.80	319807.11
B/W-6S			Shallow	Sampling	Y	1/30/2008	4434.89	3.29	145	6	0 - 95	Cem/Bent	101 - 145	4330.6 - 4286.6	#10-20 Sand	S40 PVC	2	0.01	105 - 125	4326.6 - 4306.6	T13N	R25E	S6	NESE	1554973.10	319200.78
B/W-8S			Shallow	Sampling	Y	10/9/2007	4468.77	2.77	160	6	0 - 131	Cem/Bent	137 - 160	4329 - 4306	#10-20 Sand	S80 PVC	2	0.01	140 - 160	4326.0 - 4306.0	T13N	R25E	S6	SENE	1565001.30	320284.57
B/W-9S			Shallow	Sampling	Y	11/7/2007	4354.62	2.92	40	6	0 - 11	Cem/Bent	17 - 40	4334.7 - 4311.7	#10-20 Sand	S40 PVC	2	0.01	20 - 40	4331.7 - 4311.7	T13N	R25E	S29	SWNW	1558834.20	323801.70
B/W-10S			Shallow	Sampling	Y	1/23/2008	4344.44	2.94	40	6	0 - 10	Cem/Bent	24 - 40	4317.5 - 4301.5	#10-20 Sand	S40 PVC	2	0.01	20 - 40	4321.5 - 4301.5	T13N	R25E	S20	NESE	1569190.90	324465.48
B/W-11S			Shallow	Sampling	Y	11/4/2007	4371.06	2.96	58	6	0 - 29	Cem/Bent	35 - 60	4333.1 - 4308.1	#10-20 Sand	S40 PVC	2	0.01	38 - 58	4330.1 - 4310.1	T13N	R25E	S5	SENW	1554621.20	321919.30
B/W-13S	B/W-13	a	Shallow	Sampling	Y	7/13/2005	4505.86	2.36	159.5	6	0 - 135.5	Cem/Bent	135.5 - 160	4368 - 4343.5	#10-20 Sand	S40 PVC	2	0.02	139.2 - 159.2	4364.3 - 4344.3	T13N	R25E	S28	NENW	1535222.90	326838.90
B/W-14S	B/W-14	a	Shallow	Sampling	Y	7/6/2005	4396.56	2.36	57.5	6	28 - 35	Cem/Bent	34.3 - 60	4359.9 - 4334.2	#10-20 Sand	S40 PVC	2	0.02	37.2 - 57.2	4357.0 - 4337.0	T13N	R25E	S21	SESE	1538561.10	329551.60
B/W-15S	B/W-15	a	Shallow	Sampling	Y	7/22/2005	4386.76	2.46	56	6	34 - 34	Cem/Bent	33.5 - 60	4350.8 - 4324.3	#10-20 Sand	S40 PVC	2	0.02	35.8 - 55.8	4348.5 - 4328.5	T13N	R25E	S21	NENE	1544187.50	330160.20
B/W-16S	B/W-16	a	Shallow	Sampling	Y	10/7/2007	4521.69	2.89	295	6	0 - 181	Cem/Bent	187 - 213	4331.8 - 4305.8	#10-20 Sand	S80 PVC	2	0.01	190 - 210	4328.8 - 4308.8	T13N	R25E	S31	SESW	1557432.80	316975.20
B/W-18S			Shallow	Sampling	Y	2/19/2008	4351.78	2.98	45	6	0 - 1	Cem/Bent	12 - 40	4336.8 - 4308.8	#10-20 Sand	S40 PVC	2	0.02	15 - 40	4333.8 - 4308.8	T13N	R25E	S32	SWSW	1558360.40	321195.14
B/W-19S			Shallow	Sampling	Y	1/9/2008	4424.64	3.04	110	6	0 - 80	Cem/Bent	86 - 110	4335.6 - 4311.6	#10-20 Sand	S40 PVC	2	0.01	90 - 110	4331.6 - 4311.6	T13N	R25E	S32	SWSW	1562916.40	319969.76
B/W-20S	B/W-20	a	Shallow	Sampling	Y	7/13/2007	4415.09	2.69	58	8	0 - 26	Cem/Bent	32 - 55	4380.4 - 4357.4	#10-20 Sand	S40 PVC	4	0.01	35 - 55	4377.4 - 4357.4	T13N	R25E	S21	SWSE	1536625.50	328655.38
B/W-21S	B/W-21	a	Shallow	Sampling	Y	7/24/2007	4405.76	2.76	85.5	6	0 - 56	Cem/Bent	61 - 84	4342 - 4319	#10-20 Sand	S40 PVC	2	0.01	64 - 84	4339.0 - 4319.0	T13N	R25E	S16	SESE	1542312.70	329274.86
B/W-22S	B/W-22	a	Shallow	Sampling	Y	7/18/2007	4487.11	2.51	195	6	0 - 166	Cem/Bent	172 - 195	4312.6 - 4289.6	#10-20 Sand	S80 PVC	2	0.01	175 - 195	4309.6 - 4289.6	T13N	R25E	S7	NENE	1552338.20	319305.50
B/W-25S			Shallow	Sampling	Y	1/31/2008	4354.97	3.17	49	6	0 - 19	Cem/Bent	25 - 49	4326.8 - 4302.8	#10-20 Sand	S40 PVC	2	0.01	29 - 49	4322.8 - 4302.8	T13N	R25E	S5	NENE	1557287.40	325020.18
B/W-27S			Shallow	Sampling	Y	2/7/2008	4357.87	2.87	36	6	0 - 6	Cem/Bent	12 - 36	4343 - 4319	#10-20 Sand	S40 PVC	2	0.01	16 - 36	4339.0 - 4319.0	T13N	R25E	S33	NESE	1559954.50	329140.70
B/W-28S			Shallow	Sampling	Y	1/15/2008	4375.03	3.43	60	6	0 - 30	Cem/Bent	36 - 60	4335.6 - 4311.6	#10-20 Sand	S40 PVC	2	0.01	40 - 60	4331.6 - 4311.6	T13N	R25E	S29	NENE	1565787.00	323816.36
B/W-29S			Shallow	Sampling	Y	1/6/2008	4413.19	3.19	115	6	0 - 85	Cem/Bent	91 - 115	4319 - 4295	#10-20 Sand	S40 PVC	2	0.01	95 - 115	4315.0 - 4295.0	T13N	R25E	S4	NESW	1554427.50	326956.73
B-2S	B-2	a	Shallow	Water Level	N	5/18/1989	4357.76	1.24	27.7	NR	NR - NR	NR	NR - NR	NR - NR	NR	S40 PVC	2	NR	NR - NR	NR NR	T13N	R25E	S4	NWSW	1554738.10	325666.75
B-3S	B-3	a	Shallow	Water Level	N	5/18/1989	4356.64	1.34	33.8	NR	NR - NR	NR	NR - NR	NR - NR	NR	S40 PVC	2	NR	NR - NR	NR NR	T13N	R25E	S4	NWSW	1554732.40	325395.14
D4BC-1S	D4BC-1	a	Shallow	Sampling	Partial	10/1/1985	4352.94	0.00	40	8	13 - 15	Bentonite	15 - 40	4337.94 - 4312.94	#10-20 Sand	PVC	4	0.02	19 - 39	4333.9 - 4313.9	T13N	R25E	S4	SWNW	1556288.30	325041.72
D5AC-1S	D5AC-1	a	Shallow	Sampling	N	5/6/1984	4362.72	2.31	33	7	0 - 28	Concrete	28 - 33	4332.41 - 4327.41	NR	PVC	2	NR	28 - 33	4332.4 - 4327.4	T13N	R25E	S5	SENE	1556008.10	323923.67
LEP-MW-1S			Shallow	Sampling	Y	2/26/2009	4368.50	2.50	45	6	0 - 30	Cem/Bent	33 - 48	4333 - 4318	#10-20 Silica Sand	S40 PVC	2	0.02	35 - 45	4331.0 - 4321.0	T13N	R25E	S5	NWNW	1556459.60	320601.70
LEP-MW-2S			Shallow	Sampling	Y	2/27/2009	4362.40	1.90	39	6	0 - 24	Cem/Bent	27 - 41	4327.5 - 4319.5	#10-20 Silica Sand	S40 PVC	2	0.02	29 - 39	4331.5 - 4321.5	T13N	R25E	S5	NWNW	1556953.70	320602.80
LEP-MW-3S			Shallow	Sampling	Y	2/28/2009	4354.60	2.00	29	6	0 - 14	Cem/Bent	17 - 31	4335.6 - 4321.6	#10-20 Silica Sand	S40 PVC	2	0.02	19 - 29	4333.6 - 4323.6	T13N	R25E	S5	NENW	1557192.00	321277.70
LEP-MW-5S			Shallow	Sampling	Y	3/2/2009	4353.60	2.30	25	6	0 - 10	Cem/Bent	13 - 27	4338.3 - 4324.3	#3 Silica Sand	S40 PVC	2	0.02	15 - 25	4336.3 - 4326.3	T13N	R25E	S5	NENW	1557202.00	322061.30
LEP-MW-6S			Shallow	Sampling	Y	3/2/2009	4354.60	2.30	35	6	0 - 19	Cem/Bent	22 - 37	4330.3 - 4315.3	#3 Silica Sand	S40 PVC	2	0.02	25 - 35	4327.3 - 4317.3	T13N	R25E	S5	NWNE	1557219.10	323330.30
LEP-MW-7S			Shallow	Sampling	Y	3/3/2009	4354.10	2.20	19	6	0 - 5	Cem/Bent	7 - 21	4344.9 - 4330.9	#3 Silica Sand	S40 PVC	2	0.02	9 - 19	4342.9 - 4332.9	T13N	R25E	S5	NENE	1557221.60	323917.80
MW-2S	MW-2	a	Shallow	Sampling	Partial	12/13/1992	4394.59	2.95	80	10	0 - 20	Concrete	20 - 100	4371.64 - 4291.64	NR	S40 PVC	4	0.02	65 - 80	4326.6 - 4311.6	T13N	R25E	S8	SWNE	1550574.00	323340.70
MW-4S	MW-4	a	Shallow	Sampling	Partial	12/10/1992	4411.93	1.19	100	10	0 - 20	Concrete	20 - 100	4390.74 - 4310.74	NR	S40 PVC	4	0.02	85 - 100	4325.7 - 4310.7	T13N	R25E	S5	SWSW	1553598.30	320585.28
MW-5S	MW-5	a	Shallow	Sampling	Partial	10/20/1995	4382.90	1.87	65	8	0 - 50	Concrete	50 - 65	4331.03 - 4316.03	NR	PVC	4	0.25	50 - 65	4331.0 - 4316.0	T13N	R25E	S5	SWNE	1553240.30	322784.56
MW2002-1S	MW2002-1	a	Shallow	Sampling	Y	6/13/2002	4351.19	1.25	29.5	6	0 - 17	Cem/Bent	17 - 29.5	4332.94 - 4320.44	#2-12 Sand	S40 PVC	2	0.02	18 - 28	4331.9 - 4321.9	T14N	R25E	S32	SWSE	1557993.30	322547.20
MW2002-2S	MW2002-2	a	Shallow	Sampling	N	6/14/2002	4376.13	1.00	61.5	6	0 - 48.5	Cem/Bent	48.5 - 61.5	4326.63 - 4313.63	#2-12 Sand	PVC	2	0.02	51 - 61	4324.1 - 4314.1	T13N	R25E	S5	SWNW	1556121.90	320491.30
P-1S	P-1	a, b	Shallow	Water Level	Y	9/27/2005	4368.09	2.39	46.6	6	0 - 26.5	Cem/Bent	23.5 - 50	4342.2 - 4315.7	#10-20 Sand	S40 PVC	2	0.02	26.6 - 46.6	4339.1 - 4319.1	T13N	R25E	S5	NENW	1556794.10	321811.20
PA-MW-1S	PA-MW-1	a	Shallow	Sampling	Y	1/20/2005	4441.04	3.80	111	6	0 - 86	Cem/Bent	86 - 126	4351.24 - 4311.24	#3 Sand	S40 PVC	2	0.02	90.5 - 110.5	4346.7 - 4326.7	T13N	R25E	S16	NWNW	1546291.90	325676.01
PA-MW-2S	PA-MW-2	a	Shallow	Sampling	Y	1/21/2005	4484.38	2.80	155	6	0 - 130	Cem/Bent	130 - 159	4351.58 - 4322.58	#3 Sand	S40 PVC	2	0.02	134.5 - 154.5	4347.1 - 4327.1	T13N	R25E	S8	SWSE	1547230.20	322935.95
PA-MW-3S	PA-MW-3	a	Shallow	Sampling	Y	1/19/2005	4460.17	3.10	129.5	6	0 - 105	Cem/Bent	105 - 129.5	4352.07 - 4327.57	#3 Sand	S40 PVC	2	0.02	109 - 129	4348.1 - 4328.1	T13N	R25E	S17	NENE	1546801.30	324617.22
USEPA2S	USEPA2	a	Shallow	Sampling	Y	10/21/2000	4358.22	-0.34	21	10	0 - 8	Cem/Bent	8 - 21	4350.56 - 4337.56	#3 Sand	S40 PVC	2	NR	10.3 - 20.3	4348.3 - 4338.3	T14N	R25E	S33	SESE	1557370.60	329881.42
USGS-13S	USGS-13	a	Shallow	Sampling	N	6/10/1976	4349.22	0.87	20	NR	NR - NR	NR	NR - NR	NR - NR	NR	PVC	2	NR	6.2 - 16.2	4342.1 - 4332.1	T14N	R25E	S32	SWSE	1558638.20	322711.19
USGS-2BS	USGS-2B	a	Shallow	Sampling	Partial	6/8/1976	4354.32	0.16	29.7	NR	NR - NR	NR	NR - NR	NR - NR	NR	PVC	2	NR	27.7 - 29.6	4326.5 - 4324.6	T13N	R25E	S4	NWSW	1554830.10	325451.48
UW-1S	UW-1	a	Shallow	Sampling	Partial	10/1/1985	4443.83	2.11	129	8	80 - 81	Bentonite	105 - 130	4336.72 - 4311.72	#10-20 Sand	PVC	4	0.02	109 - 129	4332.7 - 4312.7	T13N	R25E	S4	NESE	1549483.70	324461.14
W5AA-2S	W5AA-2	a	Shallow	Water Level	Y	10/26/1983	4352.46	1.23	39	10	0 - 18	Concrete	18 - 39	4333.23 - 4312.23	NR	Fiberglass	4	NR	18 - 38	4333.2 - 4313.2	T13N	R25E	S5	NENE	1556449.50	324540.35
W5AA-3S	W5AA-3	a	Shallow	Sampling	Y	10/24/1998	4356.89	4.08	20	7.25	2 - 9	Cem/Bent	9 - 20	4343.81 - 4332.81	#3 Sand	PVC	2	0.02	10 - 20	4342.8 - 4332.8	T13N	R25E	S5	SWNE	1556563.70	324051.71
W5AB-2S	W5AB-2	a	Shallow	Sampling	Y	10/1/1983	4350.90	1.36	30	10	0 - 12	Concrete	10 - 27	4339.54 - 4322.54	NR	Fiberglass	4	NR	12 - 27	4337.5 - 4322.5	T13N	R25E	S5	NWNE	1557291.30	322713.78
W5AD-1S	W5AD-1	a	Shallow	Water Level	N	5/2/1982	4368.14	2.20	40	7	32 - 33	Bentonite	33 - 40	4332.94 - 4325.94	NR	S40 PVC	2	NR	35 - 40	4330.9 - 4325.9	T13N	R25E	S4	NWSW	1554506.10	325271.35
W5BB-S	W5BB	a	Shallow	Sampling	Y	10/23/1983	4355.93	0.83	48	10	0 - 18	Concrete	18 - 48	4337.1 - 4307.1	NR	Fiberglass	4	NR	18 - 48	4337.1 - 4307.1	T13N	R25E	S5	NWNW	1557219.20	320808.58
WRP-1S	WRP-1	a	Shallow	Water Level	Y	6/19/2007	4393.80	2.00	19	8	0 - 5	Cem/Bent	7 - 19	4384.8 - 4372.8	#2-12 Sand	S40 PVC	2	0.02	9 - 19	4382.8 - 4372.8	T13N	R25E	S21	SENE	1539617.70	329827.10
WRP-2S	WRP-2	a	Shallow	Water Level	Y	6/19/2007	4393.05	2.50	18	8	0 - 4	Cem/Bent	6 - 18	4384.55 - 4372.55	#2-12 Sand	S40 PVC	2	0.02	8 - 18	4382.6 - 4372.6	T13N	R25E	S21	NENE	1541520.10	330064.70
WW-1S	WW-1	a, b	Shallow	Sampling	Partial	NR	4409.91	2.29	68.4	NR	0 - 41.4	Concrete	41.4 - 68.4	4366.22 - 4339.22	Gravel	Steel	6	NR	43.4 - 63.4	4364.2 - 4344.2	T13N	R25E	S16	SENE	1544013.70	328996.37

Appendix A Construction Details for Site-Wide Groundwater Monitor Wells

Well Name	Former Well Name	Note	Hydrostratigraphic Zone	Well Type	Well Log (Y or N)	Completion Date	Elevation/Well Depth: Meas. Pt. Elevation ft amsl	Meas. Pt Stickup ft ags	Total Depth of Cased Well ft bgs	Borehole & Annular Material: Boring Diameter in	Grout Seal Depth ft bgs	Annulus Grout Seal	Filter Pack Depth ft bgs	Filter Pack Depth ft amsl	Filter Pack Material/ Size	Well Casing & Screen: Casing/ Screen Type	Casing/ Screen Diameter in	Screen Slot Size in	Well Screen Interval ft bgs	Well Screen Interval ft amsl	Survey Location: Township, Range, Section Twp	Rng	Sec	Qtr Qtr	Nevada W State Plane Northing	Easting
WW-2S	WW-2	a, b	Shallow	Sampling	Partial	NR	4407.07	1.48	91.2	NR	0 - 64.2	Concrete	64.2 - 91.2	4341.39 - 4314.39	Gravel	Steel	8	NR	66.2 - 86.2	4339.4 - 4319.4	T13N	R25E	S16	SENE	1544754.70	328783.42
Lyon County Shallow Zone Wells																										
LC-MW-1S		c, d	Shallow	Sampling	Y	1/18/2006	4355.70	1.90	52.3	8	NR NR	Cement	NR NR	NR NR	Gravel	S40 PVC	2	0.02	NR NR	NR NR	NR	NR	NR	NR	1563459.70	327290.40
LC-MW-2S		c, d	Shallow	Sampling	Y	1/18/2006	4348.50	1.60	33.4	NR	NR NR	Cement	NR NR	NR NR	Gravel	S40 PVC	6	0.02	NR NR	NR NR	NR	NR	NR	NR	1562962.50	327267.70
LC-MW-3S		c, d	Shallow	Sampling	Y	1/18/2006	4348.60	1.60	31.4	8	NR NR	Cement	NR NR	NR NR	Gravel	S40 PVC	2	0.02	NR NR	NR NR	NR	NR	NR	NR	1563744.10	327269.30
LC-MW-5S		c, d	Shallow	Sampling	N	NR	4348.20	0.10	24.1	NR	NR NR	NR	NR NR	NR NR	NR	NR	NR	NR	NR NR	NR NR	NR	NR	NR	NR	1565009.80	326951.70
Intermediate Wells																										
B/W-2I			Intermediate	Sampling	Y	10/17/2007	4351.86	3.16	89	6	0 - 60	Cem/Bent	66 - 89	4282.7 - 4259.7	#10-20 Sand	S40 PVC	2	0.01	69 - 89	4279.7 - 4259.7	T13N	R25E	S32	SESW	1557987.90	322525.68
B/W-3I			Intermediate	Sampling	Y	9/27/2007	4353.67	3.17	104.5	6	0 - 75	Cem/Bent	81 - 104.5	4269.5 - 4246	#10-20 Sand	S40 PVC	2	0.01	84.5 - 104.5	4266.0 - 4246.0	T13N	R25E	S32	SENW	1561209.30	322320.05
B/W-4I			Intermediate	Sampling	Y	1/21/2008	4384.51	3.07	125	6	0 - 95	Cem/Bent	101 - 125	4280.44 - 4256.44	#10-20 Sand	S40 PVC	2	0.01	105 - 125	4276.4 - 4256.4	T13N	R25E	S29	NWSE	1563779.60	322893.55
B/W-5IR			Intermediate	Sampling	Y	11/16/2007	4359.27	2.87	100	6	0 - 66	Cem/Bent	74 - 97.5	4282.4 - 4258.9	#10-20 Sand	S40 PVC	2	0.01	77.5 - 97.5	4278.9 - 4258.9	T13N	R25E	S29	NWSE	1560181.80	319805.07
B/W-6I			Intermediate	Sampling	Y	9/26/2005	4434.01	2.21	182	6	0 - 170.5	Cem/Bent	170.5 - 188	4261.3 - 4243.8	#10-20 Sand	S40 PVC	2	0.02	171.8 - 181.8	4260.0 - 4250.0	T13N	R25E	S6	NESE	1554968.40	319206.90
B/W-7I			Intermediate	Sampling	Y	8/14/2005	4481.21	2.41	194.25	6	0 - 169	Cem/Bent	169 - 195	4309.8 - 4283.8	#10-20 Sand	S40 PVC	2	0.02	174 - 194	4304.8 - 4284.8	T14N	R15W	S31	SWNE	1560229.10	317572.00
B/W-8I			Intermediate	Sampling	Y	8/21/2005	4468.33	2.43	201.8	6	0 - 178	Cem/Bent	178 - 203.3	4287.9 - 4262.6	#10-20 Sand	S40 PVC	2	0.02	181.6 - 201.6	4284.3 - 4264.3	T14N	R15W	S29	NWSW	1565005.70	320292.00
B/W-9I			Intermediate	Sampling	Y	11/7/2007	4354.29	2.99	90	6	0 - 61	Cem/Bent	67 - 90	4284.3 - 4261.3	#10-20 Sand	S40 PVC	2	0.01	70 - 90	4281.3 - 4261.3	T13N	R25E	S32	NWSE	1558854.40	323802.05
B/W-19I			Intermediate	Sampling	Y	1/11/2008	4424.58	2.98	160	6	0 - 130	Cem/Bent	136 - 160	4285.6 - 4261.6	#10-20 Sand	S80 PVC	2	0.01	140 - 160	4281.6 - 4261.6	T13N	R25E	S29	SWSW	1562917.90	319979.90
B/W-25I			Intermediate	Sampling	Y	2/1/2008	4355.00	3.10	122	6	0 - 92	Cem/Bent	98 - 122	4253.9 - 4229.9	#10-20 Sand	S40 PVC	2	0.01	102 - 122	4249.9 - 4229.9	T13N	R25E	S5	NENE	1557296.60	325021.36
B/W-28I			Intermediate	Sampling	Y	1/17/2008	4375.41	3.01	115	6	0 - 85	Cem/Bent	91 - 115	4281.4 - 4257.4	#10-20 Sand	S40 PVC	2	0.01	95 - 115	4277.4 - 4257.4	T13N	R25E	S29	NENE	1565789.70	323796.29
B/W-29I			Intermediate	Sampling	Y	12/19/2007	4412.94	2.94	132	6	0 - 102	Cem/Bent	118 - 132	4292 - 4278	#10-20 Sand	S40 PVC	2	0.01	122 - 132	4288.0 - 4278.0	T13N	R25E	S4	NESW	1554429.90	326945.93
LEP-MW-4I			Intermediate	Sampling	Y	3/1/2009	4355.10	2.10	96	6	0 - 81	Cem/Bent	84 - 106	4269 - 4247	#3 Silica Sand	S40 PVC	2	0.02	86 - 96	4267.0 - 4257.0	T13N	R25E	S5	NENE	1557202.00	321659.70
LEP-MW-8I			Intermediate	Sampling	Y	3/4/2009	4353.60	1.80	90	6	0 - 75	Cem/Bent	78 - 92	4273.8 - 4259.8	#3 Silica Sand	S40 PVC	2	0.02	80 - 90	4271.8 - 4261.8	T13N	R25E	S5	NENE	1556454.10	324349.80
LEP-MW-9I			Intermediate	Sampling	Y	3/6/2009	4353.90	1.90	104	6	0 - 89	Cem/Bent	92 - 108	4260 - 4244	#3 Silica Sand	S40 PVC	2	0.02	94 - 104	4258.0 - 4248.0	T13N	R25E	S5	SENE	1555671.10	324820.80
MW2002-2I			Intermediate	Sampling	Y	7/12/2007	4377.28	2.58	135	6	0 - 116	Cem/Bent	122 - 141	4252.7 - 4233.7	#10-20 Sand	S40 PVC	2	0.01	125 - 135	4249.7 - 4239.7	T13N	R25E	S5	SWNW	1556124.00	320507.56
W4CB-1I	W4CB-1	a	Intermediate	Sampling	Y	10/27/1983	4355.89	0.69	91	10	0 - 74	Concrete	74 - 90	4281.2 - 4265.2	NR	Fiberglass	4.15	NR	75 - 90	4280.2 - 4265.2	T13N	R25E	S4	NWSW	1554814.20	325450.02
W4CB-2I	W4CB-2	a	Intermediate	Sampling	Y	10/28/1983	4356.10	0.75	60	10	0 - 45	Concrete	45 - 60	4310.35 - 4295.35	NR	Fiberglass	4	NR	47.5 - 59.5	4307.9 - 4295.9	T13N	R25E	S4	NWSW	1554810.00	325455.53
W5AA-1I	W5AA-1	a	Intermediate	Sampling	Y	10/26/1983	4351.75	0.35	73	10	0 - 51	Concrete	51 - 73	4300.4 - 4278.4	NR	Fiberglass	4	NR	58 - 73	4293.4 - 4278.4	T13N	R25E	S5	NENE	1556454.00	324532.23
W5AB-3I	W5AB-3	a	Intermediate	Sampling	Y	9/19/1997	4351.47	0.77	70	6.5	0 - 39	Cem/Bent	39 - 69.7	4311.7 - 4281	#10-20 Sand	PVC	2	0.02	41.7 - 66.2	4309.0 - 4284.5	T13N	R25E	S5	NWNE	1557230.70	322717.13
Deep Wells																										
B/W-1D1	B/W-1I1	a	Deep	Sampling	Y	11/5/2007	4357.76	2.36	150	6	0 - 116	Cem/Bent	122 - 150	4233.4 - 4205.4	#10-20 Sand	S80 PVC	2	0.01	125 - 145	4230.4 - 4210.4	T14N	R25E	S33	SESW	1557614.90	327082.32
B/W-1D2	B/W-1I2	a	Deep	Sampling	Y	10/22/2007	4357.62	2.82	235	6	0 - 204	Cem/Bent	210 - 285	4144.8 - 4069.8	#10-20 Sand	S80 PVC	2	0.01	215 - 235	4139.8 - 4119.8	T14N	R25E	S33	SESW	1557636.10	327089.32
B/W-1D3	B/W-1D	a	Deep	Sampling	Y	11/5/2005	4357.32	2.52	336.5	6	0 - 322.5	Cem/Bent	322.5 - 336.5	4032.3 - 4018.3	#10-20 Sand	S80 PVC	2	0.02	326.2 - 336.2	4028.6 - 4018.6	T14N	R25E	S33	SESW	1557616.90	327095.40
B/W-2D			Deep	Sampling	Y	9/10/2005	4351.39	2.29	145	6	0 - 121.1	Cem/Bent	121.1 - 145	4228 - 4204.1	#10-20 Sand	S40 PVC	2	0.02	124.8 - 144.8	4224.3 - 4204.3	T14N	R25E	S32	SWSE	1557979.50	322542.60
B/W-3D			Deep	Sampling	Y	8/31/2005	4353.70	2.40	149.5	6	0 - 127.2	Cem/Bent	127.2 - 150	4224.1 - 4201.3	#10-20 Sand	S40 PVC	2	0.02	129.3 - 149.3	4222.0 - 4202.0	T14N	R25E	S32	SENW	1561218.80	322334.80
B/W-4D			Deep	Sampling	Y	8/26/2005	4383.96	2.36	173.7	6	0 - 150	Cem/Bent	150 - 174	4231.6 - 4207.6	#10-20 Sand	S40 PVC	2	0.02	153.5 - 173.5	4228.1 - 4208.1	T14N	R25E	S29	SWSE	1563779.60	322902.30
B/W-5DR	B/W-5RD	a	Deep	Sampling	Y	11/16/2007	4359.34	2.84	155	6	0 - 111.5	Cem/Bent	111 - 135	4245.5 - 4221.5	#10-20 Sand	S80 PVC	2	0.01	115 - 135	4241.5 - 4221.5	T14N	R15W	S31	NESE	1560167.30	319803.21
B/W-9D			Deep	Sampling	Y	9/14/2005	4353.84	2.24	165	6	0 - 142.5	Cem/Bent	142.5 - 165.5	4209.1 - 4186.1	#10-20 Sand	S40 PVC	2	0.02	144.8 - 164.8	4206.8 - 4186.8	T14N	R25E	S32	NWSE	1558835.30	323810.10
B/W-10D			Deep	Sampling	Y	8/5/2005	4344.08	2.48	120.8	6	0 - 96	Cem/Bent	96 - 122.5	4245.6 - 4219.1	#10-20 Sand	S40 PVC	2	0.02	100.6 - 120.6	4241.0 - 4221.0	T14N	R25E	S20	SESE	1569181.60	324460.10
B/W-11D			Deep	Sampling	Y	9/28/2005	4370.60	2.60	190.5	6	0 - 167	Cem/Bent	167 - 194	4201 - 4174	#10-20 Sand	S40 PVC	2	0.02	170.3 - 190.3	4197.7 - 4177.7	T13N	R25E	S5	NESW	1554614.60	321936.00
B/W-18D1	B/W-18I	a	Deep	Sampling	Y	2/19/2008	4351.49	2.69	105	6	0 - 104	Cem/Bent	113 - 136	4235.8 - 4212.8	#10-20 Sand	S40 PVC	2	0.02	116 - 136	4232.8 - 4212.8	T13N	R25E	S32	SWSW	1558357.10	321226.10
B/W-18D2	B/W-18D	a	Deep	Sampling	Y	12/15/2007	4351.83	2.93	220	6	0 - 145.5	Cem/Bent	151 - 177	4197.9 - 4171.9	#10-20 Sand	S80 PVC	2	0.02	154.75 - 174.75	4194.2 - 4174.2	T13N	R25E	S32	SWSW	1558358.70	321211.00
B/W-19D	B/W-19D	a	Deep	Sampling	Y	6/14/2007	4423.98	2.88	300	6	0 - 196	Cem/Bent	202 - 230.5	4219.1 - 4190.6	#10-20 Sand	S80 PVC	2	0.02	204.5 - 224.5	4216.6 - 4196.6	T13N	R25E	S29	SWSW	1562920.60	319995.57
B/W-25D	B/W-25D	a	Deep	Sampling	Y	1/19/2008	4354.63	2.63	255	6	0 - 208	Cem/Bent	214 - 238	4138 - 4114	#10-20 Sand	S80 PVC	2	0.01	218 - 238	4134.0 - 4114.0	T13N	R25E	S5	NENE	1557277.50	325019.10
B/W-27D	B/W-27D	a	Deep	Sampling	Y	2/6/2008	4357.58	2.78	250	6	0 - 218	Cem/Bent	225 - 250	4129.8 - 4104.8	#10-20 Sand	S80 PVC	2	0.01	230 - 250	4124.8 - 4104.8	T13N	R25E	S33	NESE	1559974.50	329141.30
B/W-28D	B/W-28D	a	Deep	Sampling	Y	6/28/2007	4374.20	2.30	172.8	6	0 - 139	Cem/Bent	147 - 172.8	4224.9 - 4199.1	#10-20 Sand	S80 PVC	2	0.01	150 - 170	4221.9 - 4201.9	T13N	R25E	S29	NENE	1565797.60	323805.70
B/W-29D1	B/W-29I2	a	Deep	Sampling	Y	12/16/2007	4413.24	3.24	195	8	0 - 165	Cem/Bent	181 - 195	4229 - 4215	#10-20 Sand	S80 PVC	2	0.01	185 - 195	4225.0 - 4215.0	T13N	R25E	S4	NESW	1554432.50	326934.36
B/W-29D3	B/W-29D	a	Deep	Sampling	Y	9/25/2007	4412.97	2.97	440	6	0 - 349	Cem/Bent	356 - 382	4054 - 4028	#10-20 Sand	S80 PVC	2	0.01	360 - 380	4050.0 - 4030.0	T13N	R25E	S29	NENE	1554434.30	326924.80
W32DC-D	W32DC	a	Deep	Sampling	Y	10/25/1983	4349.15	0.75	155	10	98 - 151	Concrete	98 - 151	4250.4 - 4197.4	NR	Fiberglass	4.15	NR	108 - 151	4240.4 - 4197.4	T14N	R25E	S32	SWSE	1558633.30	322765.58
W5DB-D	W5DB	a	Deep	Sampling	Y	10/19/1998	4364.94	0.37	153	10	0 - 108	Concrete	108 - 153	4256.57 - 4211.57	NR	Fiberglass	4.15	NR	125 - 153	4239.6 - 4211.6	T13N	R25E	S5	NWSE	1554636.20	323703.67
Bedrock Wells																										
B/W-11B	B/W-11D3	a	Bedrock	Sampling	Y	11/3/2007	4370.94	3.04	245	6	0 - 225	Cem/Bent	232 - 245	4135.9 - 4122.9	#10-20 Sand	S80 PVC	2	0.01	235.0 - 245.0	4132.9 - 4122.9	T13N	R25E	S5	NESW	1554610.60	321933.30
B/W-23B	B/W-23	a	Bedrock	Sampling	Y	8/8/2007	4645.21	2.91	314	6	0 - 291	Cem/Bent	299 - 312	4343.3 - 4330.3	#10-20 Sand	S80 PVC	2	0.01	302 - 312	4340.3 - 4330.3	T13N	R25E	S17	NENE	1544782.10	321161.90
WW-36B	WW-36	a	Bedrock	Sampling	Y	4/15/1969	4409.48	3.48	300	20	NR - NR	NR	0 - 300	4406 - 4106	NR	Steel	17.18	0.25	100 - 300	4306.0 - 4106.0	T13N	R25E	S16	SESE	1541712.90	329194.66
WW-40B	WW-40	a	Bedrock	Sampling	N	NR	4417.67	4.17	NR	NR	NR - NR	NR	NR - NR	NR - NR	NR	Steel	20	NR	NR - NR	NR NR	T13N	R25E	S16	SESE	1542136.00	328850.57
WW-59B	WW-59	a	Bedrock	Sampling	Y	11/20/1972	4520.92	2.81	630	17.5	NR - NR	NR	0 - 630	4518.11 - 3888.11	Gravel	Steel	12	0.125	238 - 630	4280.1 - 3888.1	T13N	R25E	S17	NESE	1544380.80	324728.90

NOTES:
- a The existing hydrostratigraphic zone designation was modified to reflect the correct zone designation.
- b Well construction and depth information was corrected based on new information.
- c Location coordinates and measuring point elevation surveyed on June 30, 2009. Well depths tagged with a water level sounder during monthly water level monitoring.
- d Lyon County monitor wells are not formally included in the Groundwater Monitoring Plan, but are temporarily being monitored on a routine basis until sufficient data are available to support a decision to include or exclude some or all of the wells from the GMP.

S80 PVC Schedule 80 polyvinyl chloride
S40 PVC Schedule 40 polyvinyl chloride
NR Not Recorded; data not available in well construction records, or for Lyon Co. wells, data unreliable based on field observations.