

Station	Northing <sup>1</sup>	Easting <sup>1</sup>	Measured on	Water Level (m btoc)	TOC Elevation* (m asl)	Water Elevation (m asl)	Inclination (°)	Top of Screen (m bgs)	Bottom of Screen (m bgs)	Formation
BH05-9B-R	6903346.9	592642.6	9/20/2010	10.684	1101.01	1090.326	90	15.5	18.6	Overburden/BR
BH10A	6913707.2	585085.9	9/16/2010	7.615	1101.77	1094.155	90	35.05	36.58	BR (biotite/schist)
BH10B	6913707.2	585085.9	9/16/2010	7.625	1101.79	1094.165	90	53.34	54.84	BR (phylite/schist)
BH13B	6914494.5	585751.7	9/21/2010	3.198	1183.52	1180.750	60	6.71	8.23	BR (phylite/schist)
BH14A	6914011.3	585584.6	9/20/2010	4.054	1156.44	1152.386	90	4.72	6.25	BR (weathered)
BH14B	6914011.3	585584.8	9/20/2010	4.671	1156.86	1152.189	90	7.77	9.3	BR (quartz/diorite)
BH5	6913551.5	585089.5	9/16/2010	2.264	1095.53	1093.266	90	6.01	7.62	Alluvium
BH6	6913641	585093.9	9/16/2010	3.523	1097.66	1094.137	90	4.72	6.25	Alluvium
BH8	6913776.9	585145.6	9/17/2010	16.769	1122.21	1105.441	90	19.05	20.57	BR (phylite?)
P01-01A	6914854.1	579700.9	9/8/2010	3.761	1015.86	1012.099	90	19.8	21.36	Alluvium
P01-01B	6914854.2	579700.9	9/8/2010	3.903	1015.82	1011.917	90	33.35	34.9	Alluvium
P01-02A	6914223.9	579963.2	9/8/2010	2.443	1019.55	1017.107	90	12.37	13.89	Alluvium
P01-02B	6914224	579963.3	9/8/2010	0.78	1020.52	1019.740	90	26.21	27.7	Till
P01-03	6914252.4	580520.9	9/9/2010	4.405	1032.12	1027.715	90	7.78	9.3	Alluvium
P01-04A	6914074.4	580378.3	9/9/2010	2.967	1031.80	1028.833	90	31.7	33.22	Alluvium
P01-04B	6914074.4	580378.3	9/9/2010	3.514	1031.77	1028.256	90	51	52.5	Till
P01-11	6914486.9	580096.3	9/8/2010	1.258	1018.04	1016.782	90	9.15	10.67	Alluvium
P03-01-2	6912761.5	583184.2	9/21/2010	5.986	1061.04	1055.054	90	38.56	38.86	Alluvium
P03-01-4	6912761.4	583184.2	9/21/2010	3.365	1061.12	1057.755	90	24.23	24.54	Alluvium
P03-01-6	6912761.4	583184.2	9/21/2010	6.112	1061.18	1055.068	90	12.95	13.26	Alluvium
P03-01-8	6912761.4	583184.2	9/21/2010	5.358	1061.22	1055.862	90	8.99	9.3	Tailings
P03-01-9	6912761.5	583184.1	9/21/2010	3.165	1061.23	1058.065	90	7.47	7.77	Tailings
P03-03-2	6912879.3	582951	9/21/2010	7.255	1061.47	1054.215	90	32.92	33.22	Alluvium
P03-03-4	6912879.4	582951	9/21/2010	7.31	1061.52	1054.210	90	21.95	22.25	Alluvium
P03-03-6	6912879.4	582951	9/21/2010	7.323	1061.57	1054.247	90	16.76	17.07	Alluvium
P03-03-8	6912879.3	582951	9/21/2010	6.895	1061.60	1054.705	90	11.89	12.19	Tailings
P03-03-9	6912879.3	582951	9/21/2010	6.855	1061.61	1054.755	90	18.84	9.14	Tailings
P03-04-2	6913367	581967.6	9/20/2010	12.304	1016.13	1003.826	90	47.24	47.55	Alluvium
P03-04-4	6913367.1	581967.6	9/20/2010	12.669	1061.16	1048.491	90	34.75	35.05	Alluvium
P03-04-6	6913367.1	581967.5	9/20/2010	12.61	1061.20	1048.590	90	17.07	17.37	Alluvium
P03-04-8	6913366.9	581967.6	9/20/2010	10.415	1061.25	1050.835	90	13.41	13.72	Tailings
P03-05-2	6913115.3	582487.5	9/22/2010	8.1	1060.44	1052.340	90	36.58	36.88	Alluvium
P03-05-4	6913115.3	582487.6	9/22/2010	8.782	1060.50	1051.718	90	23.16	23.47	Alluvium
P03-05-6	6913115.2	582487.6	9/22/2010	6.459	1060.51	1054.051	90	18.29	18.59	Tailings
P03-05-8	6913115.2	582487.6	9/22/2010	3.98	1060.53	1056.550	90	10.67	10.97	Tailings
P03-06-1	6913489.8	582455.6	9/22/2010	12.213	1062.74	1050.527	90	25.6	25.91	Alluvium
P03-06-2	6913489.5	582455.5	9/22/2010	12.371	1062.76	1050.389	90	22.56	22.86	Alluvium
P03-06-3	6913489.6	582455.5	9/22/2010	11.753	1062.80	1051.047	90	19.51	19.81	Alluvium
P03-06-4	6913489.6	582455.5	9/22/2010	12.451	1062.83	1050.379	90	16.15	16.46	Alluvium
P03-06-5	6913489.6	582455.5	9/22/2010	13.555	1062.85	1049.295	90	14.02	14.33	Alluvium
P03-06-6	6913489.8	582455.6	9/22/2010	12.465	1062.87	1050.405	90	12.19	12.5	Tailings
P03-06-7	6913489.8	582455.6	9/22/2010	Dry	1062.89	unknown	90	10.67	10.97	Tailings
P03-08-2	6913695.3	580863.3	9/20/2010	8.472	1048.33	1039.858	90	28.04	28.35	Alluvium
P03-08-4	6913695.3	580863.3	9/20/2010	8.581	1048.38	1039.799	90	22.86	23.16	Alluvium
P03-08-6	6913695.3	580863.2	9/20/2010	7.811	1048.42	1040.609	90	19.81	20.12	Tailings
P03-08-7	6913695.3	580863.3	9/20/2010	5.893	1048.42	1042.527	90	16.76	17.07	Tailings
P03-08-8	6913695.3	580863.3	9/20/2010	5.808	1048.44	1042.632	90	13.72	14.02	Tailings
P03-09-2	6914409.9	579948.3	9/13/2010	3.062	1018.53	1015.468	90	32	32.31	Alluvium
P03-09-4	6914410	579948.3	9/13/2010	3.343	1018.57	1015.227	90	23.47	23.77	Alluvium
P03-09-6	6914410	579948.3	9/13/2010	3.448	1018.61	1015.162	90	18.59	18.9	Alluvium
P03-09-8	6914409.9	579948.3	9/13/2010	4.017	1018.63	1014.613	90	9.14	9.45	Alluvium
P03-09-9	6914410	579948.3	9/13/2010	3.945	1018.65	1014.705	90	7.32	7.62	Alluvium
P05-01-1	6914509.6	580060.6	9/9/2010	2.131	1017.84	1015.709	90	25.15	25.45	Till / BR
P05-01-2	6914509.5	580060.5	9/9/2010	1.824	1017.89	1016.066	90	19.67	19.82	Alluvium
P05-01-3	6914509.5	580060.5	9/9/2010	3.136	1017.92	1014.784	90	16.62	16.77	Alluvium
P05-01-4	6914509.5	580060.5	9/9/2010	1.976	1017.95	1015.974	90	11.13	11.28	Alluvium
P05-01-5	6914509.5	580060.6	9/9/2010	2.255	1017.97	1015.715	90	5.33	5.48	Alluvium
P05-01-6	6914509.6	580060.5	9/9/2010	2.247	1017.99	1015.743	90	3.2	3.35	Alluvium
P05-02	6914439.2	580038.8	9/8/2010	2.255	1016.91	1014.655	90	1.83	4.88	Alluvium
P05-03	6914345.6	579983.1	9/8/2010	4.624	1019.79	1015.166	90	3.44	7.62	Alluvium
P05-04	6913649.4	585119.2	9/16/2010	3.246	1097.69	1094.444	90	2.19	6.34	Alluvium
P09-C1	6914314	580170	9/8/2010	0.493	1017.36	1016.897	70	32.6	34	BR/phylite
P09-C2	6914228	580119	9/8/2010	0.631	1016.58	1015.987	70	53.5	59.3	BR/phylite
P09-C3	6914143	580078	9/8/2010	1.711	1019.65	1018.042	70	45.8	48.7	Overburden/fine sand
P09-ETA1	6913635	582807	9/15/2010	11.116	1074.66	1064.214	70	26.9	29.8	BR
P09-ETA2	6913633	582807	9/15/2010	12.724	1074.46	1061.736	90	16.15	17.7	Overburden
P09-GS1A	6904658	592593	9/16/2010	2.881	1230.00	1227.119	90	23.5	29.6	foliated BR/phylite, quartz-calcite veins
P09-GS1B	6904657	592601	9/16/2010	2.743	1229.98	1227.237	90	5.1	6.6	Overburden to shallow BR / sandy
P09-GW1	6904214	591114	6/13/2010	dry	1280.01	unknown	90	1.56	3.66	Overburden (sand & gravel)/BR
P09-GW3	6904214	591107	6/13/2010	dry	1279.80	unknown	90	1.4	2.4	Overburden
P09-LCD1	6903138	593468	9/20/2010	3.978	1097.53	1093.552	90	5.97	6.47	Overburden / silt to sand & gravel
P09-LCD4	6903097	593436	9/20/2010	7.257	1093.68	1086.423	90	10.88	11.78	Overburden / silt to sand & gravel

Station	Northing <sup>1</sup>	Easting <sup>1</sup>	Measured on	Water Level (m btoc)	TOC Elevation* (m asl)	Water Elevation (m asl)	Inclination (°)	Top of Screen (m bgs)	Bottom of Screen (m bgs)	Formation
P09-LCD6	6903073	493421	9/20/2010	5.792	1096.21	1090.418	90	6.41	7.31	Overburden / silt to sand & gravel
P09-SIS1	6912954	584585	11/2/2010	5.204	1087.59	1082.386	90	4.8	6.3	Overburden/ sand & gravel
P09-SIS2	6912950	584594	11/2/2010	4.291	1087.39	1083.099	90	4.6	5.5	Overburden/ sand & gravel
P09-SIS3	6912944	584602	11/2/2010	4.227	1087.36	1083.133	90	2.2	3.7	Overburden/ sand & gravel
P09-SIS4	6912936	584617	11/2/2010	4.312	1087.55	1083.238	90	2.8	3.7	Overburden/ sand & gravel
P09-SIS5	6912935	584622	9/13/2010	3.746	1087.49	1083.744	90	2.8	3.7	Overburden/ sand & gravel
P09-VC1	6903244	593627	9/20/2010	4.795	1113.28	1109.127	60	52.6	57.9	BR / friable, calcareous phyllite
P09-VC2	6903259	593623	9/20/2010	2.032	1110.90	1108.868	90	18.25	21.3	Overburden / sand & gravel
P2001-2A	6902864.4	593135.4	9/15/2010	4.567	1122.78	1118.213	90	25.8	27.3	Till
P2001-2B	6902864.4	593135.5	9/15/2010	4.866	1122.77	1117.904	90	12.3	13.9	Clay and Gravel
P2001-3	6902881.6	593100.6	9/15/2010	37.81	1120.00	1082.190	90	58.5	61.6	Till / BR
P96-6	6913312.7	584905.7	9/21/2010	13.872	1102.14	1088.268	90	18.07	20.12	Alluvium
P96-7	6913285.5	584127.7	9/14/2010	5.697	1126.35	1120.653	90	6.26	9.24	Overburden / BR
P96-8A	6914073.8	583225	9/14/2010	2.791	1109.43	1106.639	90	1.15	4.17	Alluvium
P96-8B	6914073.8	583224.9	9/15/2010	2.851	1109.50	1106.649	90	5.5	8.52	Alluvium
P96-9A	6903346.3	592651.4	9/20/2010	5.988	1100.14	1094.152	90	4.96	9.45	Overburden
S1A	6913116.3	584434.3	9/14/2010	5.66	1085.35	1079.690	90	9.2	12.2	BR (phyllite)
S1B	6913116.4	584434.2	9/14/2010	Dry	1085.20	unknown	90	1.3	4.3	Till
S2A	6913117.9	584472.9	9/13/2010	6.171	1086.05	1079.879	90	9.2	12.2	BR (phyllite)
S2B	6913117.9	584473	9/13/2010	5.392	1086.37	1080.978	90	3.7	6.7	Till
SRK04-3A	6913999	582872.8	9/22/2010	6.374	1104.63	1098.256	90	10.4	11.9	Tailings / Alluvium
SRK05-5C	6903383.1	592768.4	9/20/2010	1.947	1104.13	1102.183	90	1.5	3	Overburden
SRK05-7	6903186.2	592372.7	9/20/2010	6.225	1107.14	1100.915	90	0.75	5.8	Overburden / BR
SRK05-8	6903237.8	592585.7	9/20/2010	5.965	1105.25	1099.285	90	2.1	7.6	Overburden
SRK05-ETA-B	6914020.8	582867.6	9/22/2010	7.288	1105.23	1097.942	90	9	12	Alluvium
SRK05-ETA-B	6913999.6	582882.9	9/22/2010	5.498	1103.75	1098.252	90	14.6	18.9	BR (schist)
SRK05-SP1A	6913075.2	584622.7	9/14/2010	7.195	1091.81	1084.615	90	13.7	19.2	Overburden / BR
SRK05-SP1B	6913075.4	584621.9	9/14/2010	7.386	1091.90	1084.514	90	9	12.3	Overburden
SRK05-SP2	6913035.8	584686.3	9/14/2010	2.134	1086.69	1084.556	90	7.9	11	Alluvium / BR
SRK05-SP3A	6913098.5	584546.7	9/14/2010	5.112	1088.51	1083.398	90	17.4	21.9	Overburden
SRK05-SP3B	6913098.1	584547.4	9/14/2010	4.185	1088.49	1084.305	90	8.3	11.4	Overburden
SRK05-SP4A	6913113.4	584507.1	9/13/2010	4.802	1087.31	1082.508	90	16.5	21	Overburden / BR
SRK05-SP4B	6913113.6	584506	9/13/2010	4.352	1087.36	1083.008	90	0.6	3.5	Overburden
SRK05-SP5	6913130.6	584471	9/14/2010	8.201	1087.51	1079.309	90	9.4	12.5	Overburden / BR
SRK05-SP6	6913149.2	584387.1	9/14/2010	11.617	1097.74	1086.123	90	3.1	11	BR / Schist
SRK08-P10A	6914055	582720	9/15/2010	11.681	1119.72	1108.039	90	10.0584	13.1064	weath. BR
SRK08-P11A	6914573	582585	9/15/2010	0.946	1143.71	1142.764	90	9.144	12.192	weath. BR
SRK08-P11B	6914574	582584	9/15/2010	1.087	1143.77	1142.683	90	3.048	6.096	sand & gravel, silty sand
SRK08-P12A	6913506	585348	9/16/2010	2.252	1106.67	1104.418	90	9.144	12.192	weath. BR
SRK08-P12B	6913509	585345	9/16/2010	2.275	1106.75	1104.475	90	4.572	7.62	sand, gravel, weath BR
SRK08-P14	6903706	591761	9/16/2010	7.247	1242.67	1235.423	90	6.096	9.144	weath. BR
SRK08-P15	6903534	591961	9/16/2010	2.635	1183.37	1180.735	90	4.572	7.62	weath. BR + BR
SRK08-P16	6902964	592322	9/20/2010	8.248	1111.60	1103.352	90	6.096	9.144	weath. BR + BR
SRK08-P9	583804	6913440	9/22/2010	5.331	1147.82	1142.489	90	3.048	6.096	weath. BR + BR
SRK08-SBR1	584475.9	6913130	9/14/2010	Dry	1087.30	unknown	70	27.7368	33.8328	weath. BR
SRK08-SBR2	584486	6913126	9/14/2010	6.949	1087.00	1080.982	60	12.192	18.288	sand & gravel
SRK08-SBR3	584393.6	6913152	9/14/2010	11.829	1096.90	1085.071	90	6.096	12.192	weath. BR
SRK08-SBR4	584446.9	6913141	9/14/2010	8.783	1088.00	1079.217	90	15.0876	21.4884	weath. BR
SRK08-SP7A	584429	6913095	11/2/2010	2.658	1081.74	1079.082	90	14.0208	17.0688	weath. BR
SRK08-SP7B	584432.5	6913094	11/2/2010	2.695	1081.73	1079.035	90	4.8768	7.9248	sand & gravel, silty
SRK08-SP8A	584294	6912955	9/13/2010	1.866	1077.74	1075.874	90	3.048	6.096	weath. BR
SRK08-SP8B	584291	6912951	9/13/2010	2.045	1077.78	1075.735	90	7.62	10.668	med-crs sand,
TH86-17	6912658.5	583846.5	9/9/2010	8.513	1069.32	1060.807	90	unknown	unknown	N/A
TH86-5	6912571 <sup>2</sup>	583589 <sup>2</sup>	9/13/2010	2.328	unknown	unknown	unknown	unknown	unknown	unknown
TH86-2	6912494 <sup>2</sup>	583536 <sup>2</sup>	9/9/2010	8.865	unknown	unknown	unknown	unknown	unknown	unknown
V34	6902476.1	593432.1	9/15/2010	5.902	1117.32	1111.418	90	unknown	unknown	BR
V35	6902554.8	593181.3	9/15/2010	5.275	1117.39	1112.115	90	unknown	unknown	Alluvium
V36	6902916.6	593138.3	9/15/2010	9.404	1118.36	1108.956	90	unknown	unknown	Alluvium
V37	6903080.3	593315.7	9/15/2010	5.815	1115.73	1109.915	90	unknown	unknown	Alluvium
X16A	6914841	579447.4	9/8/2010	3.778	1015.31	1011.532	90	3	6	Alluvium
X16B	6914841.1	579447.4	9/8/2010	3.704	1015.49	1011.786	90	20	34	Alluvium
X17A	6914647.2	579757.6	9/8/2010	3.315	1014.69	1011.375	90	4.5	6.2	Alluvium
X17B	6914646.1	579756.9	9/8/2010	2.796	1015.22	1012.424	90	17	25	Alluvium
X18A	6914712.5	579987.7	9/8/2010	4.386	1019.27	1014.884	90	8.8	10.6	Alluvium
X18B	6914712.6	579987.7	9/8/2010	4.446	1019.26	1014.814	90	16.6	22.8	Alluvium
X21-96A	6913591.5	581886.3	9/22/2010	5.095	1052.25	1047.155	90	2.43	8.53	Tailings
X21-96B	6913591.4	581886.3	9/22/2010	5.038	1052.3	1047.262	90	11.64	14.69	Alluvium
X24-96D	6914298.6	580549.9	9/9/2010	5.274	1033.01	1027.736	90	26.84	28.34	Alluvium
X25-96A	6914120.6	580416.1	9/9/2010	4.661	1032.07	1027.409	90	7.44	8.97	Alluvium
X25-96B	6914120.5	580416.1	9/9/2010	4.521	1032.04	1027.519	90	17.7	19.17	Alluvium

<sup>1</sup> = All coordinates are in North American Datum 83, Zone 8, except for those noted

\* = Well inclination unknown; 90° used for water elevation.

<sup>2</sup> = Datum for these coordinates. Coordinates referenced from Rose Creek Aquifer Upstream of Tailings Well Investigation on 2008 (AECOM Memo, February 12, 2009).

## Table E-2: Comparison of Groundwater Depth-to-Bottom (DTB m) from TOC

Station Name	2009		2010		Change (m)
	Date	DTB (m) from TOC	Date	DTB (m) from TOC	
BH05-9B-R	9/13/2009	19.89	9/20/2010	17.505	-2.385
BH10A	1/1/2008	36.58 <sup>1</sup>	9/16/2010	34.192	-2.388
BH10B	9/12/2009	52.79	9/16/2010	52.907	0.117
BH13B	9/12/2009	4.53	9/21/2010	4.506	-0.024
BH14A	9/12/2009	6.36	9/20/2010	6.375	0.015
BH14B	9/12/2009	10.11	9/20/2010	10.169	0.059
BH5	9/10/2009	7.60	9/16/2010	7.586	-0.014
BH6	9/10/2009	6.70	9/16/2010	6.701	0.001
BH8	9/13/2009	20.82	9/17/2010	20.649	-0.171
P01-01A	9/8/2009	20.35	9/8/2010	20.675	0.325
P01-01B	9/8/2009	35.3	9/8/2010	35.905	0.605
P01-02A	9/9/2009	14.29	9/8/2010	14.208	-0.082
P01-02B	9/9/2009	29.67	9/8/2010	30.5	0.83
P01-03	11/2/2009	9.48	9/9/2010	9.713	0.233
P01-04A	9/9/2009	53.8	9/9/2010	54.166	0.366
P01-04B	9/9/2009	34.1	9/9/2010	34.501	0.401
P01-11	9/9/2009	11.12	9/8/2010	11.091	-0.029
P03-01-2	1/1/2008	38.86 <sup>1</sup>	9/21/2010	>26	n/a
P03-01-4	1/1/2008	24.54 <sup>1</sup>	9/21/2010	25.15	0.61
P03-01-6	1/1/2008	13.26 <sup>1</sup>	9/21/2010	13.97	0.71
P03-01-8	1/1/2008	9.3 <sup>1</sup>	9/21/2010	10.063	0.763
P03-01-9	1/1/2008	7.77 <sup>1</sup>	9/21/2010	8.531	0.761
P03-03-2	1/1/2008	33.22 <sup>1</sup>	9/21/2010	>26	n/a
P03-03-4	1/1/2008	22.25 <sup>1</sup>	9/21/2010	23.362	1.112
P03-03-6	1/1/2008	17.07 <sup>1</sup>	9/21/2010	18.151	1.081
P03-03-8	1/1/2008	12.19 <sup>1</sup>	9/21/2010	13.314	1.124
P03-03-9	1/1/2008	9.14 <sup>1</sup>	9/21/2010	9.992	0.852
P03-04-2	1/1/2008	47.55 <sup>1</sup>	9/20/2010	>26	n/a
P03-04-4	1/1/2008	35.05 <sup>1</sup>	9/20/2010	>26	n/a
P03-04-6	1/1/2008	17.37 <sup>1</sup>	9/20/2010	18.521	1.151
P03-04-8	1/1/2008	13.72 <sup>1</sup>	9/20/2010	14.912	1.192
P03-05-2	1/1/2008	36.88 <sup>1</sup>	9/22/2010	>25	n/a
P03-05-4	1/1/2008	23.47 <sup>1</sup>	9/22/2010	24.505	1.035
P03-05-6	1/1/2008	18.59 <sup>1</sup>	9/22/2010	19.63	1.04
P03-05-8	1/1/2008	10.97 <sup>1</sup>	9/22/2010	12.065	1.095
P03-06-1	11/3/2009	26.78	9/22/2010	>25	n/a
P03-06-2	11/3/2009	23.73	9/22/2010	23.705	-0.025
P03-06-3	11/3/2009	20.68	9/22/2010	20.875	0.195
P03-06-4	11/3/2009	17.33	9/22/2010	17.565	0.235
P03-06-5	11/3/2009	15.19	9/22/2010	15.13	-0.06
P03-06-6	11/3/2009	12.5	9/22/2010	13.621	1.121
P03-06-7	11/3/2009	11.82	9/22/2010	11.809	-0.011
P03-08-2	1/1/2008	28.35 <sup>1</sup>	9/20/2010	12.859	-15.491

## Table E-2: Comparison of Groundwater Depth-to-Bottom (DTB m) from TOC

Station Name	2009		2010		Change (m)
	Date	DTB (m) from TOC	Date	DTB (m) from TOC	
P03-08-4	1/1/2008	23.16 <sup>1</sup>	9/20/2010	24.125	0.965
P03-08-6	1/1/2008	20.12 <sup>1</sup>	9/20/2010	21.143	1.023
P03-08-7	1/1/2008	17.07 <sup>1</sup>	9/20/2010	18.082	1.012
P03-08-8	1/1/2008	14.02 <sup>1</sup>	9/20/2010	15.036	1.016
P03-09-2	9/9/2009	33.0	9/13/2010	>25	n/a
P03-09-4	9/9/2009	24.46	9/13/2010	24.425	-0.035
P03-09-6	9/9/2009	19.59	9/13/2010	19.615	0.025
P03-09-8	9/9/2009	10.14	9/13/2010	10.28	0.14
P03-09-9	9/9/2009	8.31	9/13/2010	8.387	0.077
P05-01-1	11/2/2009	26.12	9/9/2010	>25	n/a
P05-01-2	11/2/2009	20.755	9/9/2010	20.768	0.013
P05-01-3	11/2/2009	17.765	9/9/2010	17.788	0.023
P05-01-4	11/2/2009	12.31	9/9/2010	12.321	0.011
P05-01-5	11/2/2009	6.445	9/9/2010	6.554	0.109
P05-01-6	11/2/2009	4.403	9/9/2010	6.439	2.036
P05-02	9/9/2009	5.89	9/8/2010	5.876	-0.014
P05-03	9/9/2009	8.0	9/8/2010	8.02	0.02
P05-04	9/10/2009	7.1	9/16/2010	7.041	-0.059
P09-C1	8/31/2009	37.1 <sup>2</sup>	9/8/2010	38.696	1.596
P09-C2	8/31/2009	63.9 <sup>2</sup>	9/8/2010	65.983	2.083
P09-C3	11/4/2009	53.39	9/8/2010	52.661	-0.729
P09-ETA1	11/4/2009	18.56	9/15/2010	18.506	-0.054
P09-ETA2	8/31/2009	31.7 <sup>2</sup>	9/15/2010	33.376	1.676
P09-GS1A	11/4/2009	30.45	9/16/2010	30.872	0.422
P09-GS1B	11/4/2009	7.372	9/16/2010	7.372	0
P09-GW1	8/31/2009	4.36 <sup>2</sup>	6/13/2010	4.345	-0.015
P09-GW3	8/31/2009	3.3 <sup>2</sup>	6/13/2010	3.185	-0.115
P09-LCD1	11/4/2009	7.353	9/20/2010	7.417	0.064
P09-LCD4	11/4/2009	12.265	9/20/2010	12.272	0.007
P09-LCD6	11/4/2009	7.87	9/20/2010	8	0.13
P09-SIS1	11/3/2009	6.7	11/2/2010	6.709	0.009
P09-SIS2	11/3/2009	6.365	11/2/2010	6.37	0.005
P09-SIS3	11/3/2009	4.617	11/2/2010	4.619	0.002
P09-SIS4	11/3/2009	4.428	11/2/2010	4.423	-0.005
P09-SIS5	11/3/2009	4.609	9/13/2010	4.598	-0.011
P09-VC1	8/31/2009	67.83 <sup>2</sup>	9/20/2010	68.992	1.162
P09-VC2	11/4/2009	22.64	9/20/2010	22.103	-0.537
P2001-2A	9/12/2009	14.01	9/15/2010	13.991	-0.019
P2001-2B	9/12/2009	27.35	9/15/2010	27.672	0.322
P2001-3	9/12/2009	57.77	9/15/2010	63.11	5.34
P96-6	9/12/2009	18.155	9/21/2010	18.212	0.057
P96-7	9/11/2009	9.9	9/14/2010	9.929	0.029
P96-8A	9/11/2009	9.365	9/14/2010	9.424	0.059

## Table E-2: Comparison of Groundwater Depth-to-Bottom (DTB m) from TOC

Station Name	2009		2010		Change (m)
	Date	DTB (m) from TOC	Date	DTB (m) from TOC	
P96-8B	9/11/2009	4.82	9/15/2010	4.882	0.062
P96-9A	9/13/2009	9.43	9/20/2010	9.413	-0.017
S1A	9/11/2009	13.08	9/14/2010	13.072	-0.008
S1B	9/11/2009	5.23	9/14/2010	5.204	-0.026
S2A	9/10/2009	12.61	9/13/2010	12.635	0.025
S2B	9/10/2009	7.06	9/13/2010	7.065	0.005
SRK04-3A	9/11/2009	12.43	9/22/2010	12.367	-0.063
SRK05-5C	9/13/2009	3.69	9/20/2010	3.932	0.242
SRK05-7	9/13/2009	6.47	9/20/2010	6.528	0.058
SRK05-8	9/13/2009	8.545	9/20/2010	8.504	-0.041
SRK05-ETA-BF	9/11/2009	13.11	9/22/2010	13.273	0.163
SRK05-ETA-BF	9/11/2009	19.27	9/22/2010	19.356	0.086
SRK05-SP1A	9/11/2009	19.848	9/14/2010	19.863	0.015
SRK05-SP1B	9/11/2009	13.08	9/14/2010	13.148	0.068
SRK05-SP2	9/11/2009	11.55	9/14/2010	11.572	0.022
SRK05-SP3A	9/11/2009	23.77	9/14/2010	24.097	0.327
SRK05-SP3B	9/11/2009	13.13	9/14/2010	13.122	-0.008
SRK05-SP4A	9/10/2009	22.45	9/13/2010	22.571	0.121
SRK05-SP4B	9/10/2009	4.71	9/13/2010	4.681	-0.029
SRK05-SP5	9/11/2009	14.85	9/14/2010	14.869	0.019
SRK05-SP6	1/1/2008	11 <sup>1</sup>	9/14/2010	11.885	0.885
SRK08-P10A	9/10/2009	13.79	9/15/2010	13.794	0.004
SRK08-P11A	9/10/2009	12.59	9/15/2010	12.543	-0.047
SRK08-P11B	9/10/2009	5.626	9/15/2010	8.717	3.091
SRK08-P12A	9/10/2009	12.69	9/16/2010	12.87	0.18
SRK08-P12B	9/10/2009	8.43	9/16/2010	8.419	-0.011
SRK08-P14	9/13/2009	9.915	9/16/2010	9.555	-0.36
SRK08-P15	9/12/2009	8.32	9/16/2010	8.232	-0.088
SRK08-P16	9/12/2009	8.41	9/20/2010	8.427	0.017
SRK08-P9	9/11/2009	6.88	9/22/2010	6.884	0.004
SRK08-SBR1	9/10/2009	35.46	9/14/2010	n/a	n/a
SRK08-SBR2	9/10/2009	18.582	9/14/2010	18.826	0.244
SRK08-SBR3	9/10/2009	13.24	9/14/2010	13.407	0.167
SRK08-SBR4	9/10/2009	21.43	9/14/2010	21.66	0.23
SRK08-SP7A	9/11/2009	17.8	11/2/2010	17.8	0
SRK08-SP7B	9/11/2009	8.5	11/2/2010	8.62	0.12
SRK08-SP8A	1/1/2008	6.096 <sup>1</sup>	9/13/2010	4.007	-2.089
SRK08-SP8B	1/1/2008	10.668 <sup>1</sup>	9/13/2010	7.026	-3.642
TH86-17	9/11/2009	15.06	9/9/2010	15.107	0.047
TH86-2	9/11/2009	12.3	9/13/2010	11.565	-0.735
TH86-5	9/11/2009	27.525	9/9/2010	27.758	0.233
V34	9/12/2009	12.79	9/15/2010	12.947	0.157
V35	9/12/2009	15.91	9/15/2010	16.1	0.19

**Table E-2: Comparison of Groundwater  
 Depth-to-Bottom (DTB m) from TOC**

Station Name	2009		2010		Change (m)
	Date	DTB (m) from TOC	Date	DTB (m) from TOC	
V36	9/12/2009	11.87	9/15/2010	11.861	-0.009
V37	9/12/2009	14.52	9/15/2010	14.684	0.164
X16A	9/9/2009	5.4	9/8/2010	5.4	0
X16B	9/10/2009	28.59	9/8/2010	29.105	0.515
X17A	9/8/2009	6.04	9/8/2010	6.108	0.068
X17B	9/8/2009	25.74	9/8/2010	24.785	-0.955
X18A	9/8/2009	12.42	9/8/2010	4.482	-7.938
X18B	9/8/2009	10.76	9/8/2010	10.718	-0.042
X21-96A	11/3/2009	8.92	9/22/2010	8.988	0.068
X21-96B	11/3/2009	15.58	9/22/2010	15.662	0.082
X24-96D	11/3/2009	28.57	9/9/2010	28.581	0.011
X25-96A	9/9/2009	9.46	9/9/2010	9.582	0.122
X25-96B	9/9/2009	19.76	9/9/2010	20.055	0.295

<sup>1</sup> = Reported in the 2008 Annual Groundwater Report, assumed date of January 1, 2008.

<sup>2</sup> = Reported from the SRK 2009 Well Construction Details (provided by SRK Consultants), assumed date of August 31, 2009

**Table E-3: Comparison of Groundwater Wells  
Field Stick-up (m)**

Station Name	2008		2010		Change (m)
	Date	Field Stick-up (m)	Date	Field Stick-up (m)	
BH05-9B-R	1/1/2008	1.06 <sup>1</sup>	9/20/2010	0.871	-0.189
BH10A	1/1/2007	0.86 <sup>6</sup>	9/16/2010	0.817	-0.043
BH10B	1/1/2007	0.86 <sup>6</sup>	9/16/2010	0.808	-0.052
BH13B	1/1/2008	0.54 <sup>1</sup>	9/21/2010	0.755	0.215
BH14A	1/1/2008	0.12 <sup>1</sup>	9/20/2010	0.109	-0.011
BH14B	1/1/2008	0.78 <sup>1</sup>	9/20/2010	0.737	-0.043
BH5	1/1/2008	0.49 <sup>1</sup>	9/16/2010	0.63	0.14
BH6	1/1/2008	0.75 <sup>1</sup>	9/16/2010	0.772	0.022
BH8	1/1/2008	0.79 <sup>1</sup>	9/17/2010	0.792	0.002
P01-01A	1/1/2008	0.74 <sup>1</sup>	9/8/2010	0.295	-0.445
P01-01B	1/1/2008	0.65 <sup>1</sup>	9/8/2010	0.28	-0.37
P01-02A	1/1/2008	0.624 <sup>1</sup>	9/8/2010	0.63	0.006
P01-02B	1/1/2008	1.61 <sup>1</sup>	9/8/2010	1.57	-0.04
P01-03	1/1/2008	0.3 <sup>1</sup>	9/9/2010	0.465	0.165
P01-04A	1/1/2008	0.31 <sup>1</sup>	9/9/2010	0.218	-0.092
P01-04B	1/1/2008	0.3 <sup>1</sup>	9/9/2010	0.205	-0.095
P01-11	1/1/2008	0.48 <sup>1</sup>	9/8/2010	0.956	0.476
P03-01-2	1/1/2008	0.526 <sup>1</sup>	9/21/2010	0.56	0.034
P03-01-4	1/1/2008	0.526 <sup>1</sup>	9/21/2010	0.56	0.034
P03-01-6	1/1/2008	0.526 <sup>1</sup>	9/21/2010	0.56	0.034
P03-01-8	1/1/2008	0.526 <sup>1</sup>	9/21/2010	0.56	0.034
P03-01-9	1/1/2008	0.526 <sup>1</sup>	9/21/2010	0.56	0.034
P03-03-2	1/1/2008	0.817 <sup>1</sup>	9/21/2010	0.801	-0.016
P03-03-4	1/1/2008	0.817 <sup>1</sup>	9/21/2010	0.801	-0.016
P03-03-6	1/1/2008	0.817 <sup>1</sup>	9/21/2010	0.801	-0.016
P03-03-8	1/1/2008	0.817 <sup>1</sup>	9/21/2010	0.801	-0.016
P03-03-9	1/1/2008	0.817 <sup>1</sup>	9/21/2010	0.801	-0.016
P03-04-2	1/1/2008	0.777 <sup>1</sup>	9/20/2010	0.75	-0.027
P03-04-4	1/1/2008	0.777 <sup>1</sup>	9/20/2010	0.75	-0.027
P03-04-6	1/1/2008	0.777 <sup>1</sup>	9/20/2010	0.75	-0.027
P03-04-8	1/1/2008	0.777 <sup>1</sup>	9/20/2010	0.75	-0.027
P03-05-2	1/1/2008	0.843 <sup>1</sup>	9/22/2010	0.889	0.046
P03-05-4	1/1/2008	0.843 <sup>1</sup>	9/22/2010	0.889	0.046
P03-05-6	1/1/2008	0.843 <sup>1</sup>	9/22/2010	0.889	0.046
P03-05-8	1/1/2008	0.843 <sup>1</sup>	9/22/2010	0.889	0.046
P03-06-1	1/1/2008	0.867 <sup>1</sup>	9/22/2010	0.907	0.04
P03-06-2	1/1/2008	0.867 <sup>1</sup>	9/22/2010	0.907	0.04
P03-06-3	1/1/2008	0.867 <sup>1</sup>	9/22/2010	0.907	0.04
P03-06-4	1/1/2008	0.867 <sup>1</sup>	9/22/2010	0.907	0.04
P03-06-5	1/1/2008	0.867 <sup>1</sup>	9/22/2010	0.907	0.04
P03-06-6	1/1/2008	0.867 <sup>1</sup>	9/22/2010	0.907	0.04
P03-06-7	1/1/2008	0.867 <sup>1</sup>	9/22/2010	0.907	0.04
P03-08-2	1/1/2008	0.878 <sup>1</sup>	9/20/2010	0.805	-0.073
P03-08-4	1/1/2008	0.878 <sup>1</sup>	9/20/2010	0.805	-0.073
P03-08-6	1/1/2008	0.878 <sup>1</sup>	9/20/2010	0.805	-0.073
P03-08-7	1/1/2008	0.878 <sup>1</sup>	9/20/2010	0.805	-0.073
P03-08-8	1/1/2008	0.878 <sup>1</sup>	9/20/2010	0.805	-0.073
P03-09-2	1/1/2008	0.689 <sup>1</sup>	9/13/2010	0.794	0.105
P03-09-4	1/1/2008	0.689 <sup>1</sup>	9/13/2010	0.794	0.105
P03-09-6	1/1/2008	0.689 <sup>1</sup>	9/13/2010	0.794	0.105

**Table E-3: Comparison of Groundwater Wells  
 Field Stick-up (m)**

Station Name	2008		2010		Change (m)
	Date	Field Stick-up (m)	Date	Field Stick-up (m)	
P03-09-8	1/1/2008	0.689 <sup>1</sup>	9/13/2010	0.794	0.105
P03-09-9	1/1/2008	0.689 <sup>1</sup>	9/13/2010	0.794	0.105
P05-01-1	1/1/2008	0.671 <sup>1</sup>	9/9/2010	0.693	0.022
P05-01-2	1/1/2008	0.671 <sup>1</sup>	9/9/2010	0.693	0.022
P05-01-3	1/1/2008	0.671 <sup>1</sup>	9/9/2010	0.693	0.022
P05-01-4	1/1/2008	0.671 <sup>1</sup>	9/9/2010	0.693	0.022
P05-01-5	1/1/2008	0.671 <sup>1</sup>	9/9/2010	0.693	0.022
P05-01-6	1/1/2008	0.671 <sup>1</sup>	9/9/2010	0.693	0.022
P05-02	1/1/2008	0.98 <sup>1</sup>	9/8/2010	1.329	0.349
P05-03	1/1/2008	0.84 <sup>1</sup>	9/8/2010	0.822	-0.018
P05-04	1/1/2008	0.66 <sup>1</sup>	9/16/2010	0.75	0.09
P09-C1	8/31/2009	0.90 <sup>2</sup>	9/8/2010	0.804	-0.096
P09-C2	8/31/2009	0.80 <sup>2</sup>	9/8/2010	1.488	0.688
P09-C3	11/4/2009	n/a	9/8/2010	0.826	n/a
P09-ETA1	11/4/2009	0.92 <sup>5</sup>	9/15/2010	0.977	0.057
P09-ETA2	11/4/2009	0.69 <sup>5</sup>	9/15/2010	0.677	-0.013
P09-GS1A	8/31/2009	0.70 <sup>2</sup>	9/16/2010	0.87	0.01
P09-GS1B	8/31/2009	0.90 <sup>2</sup>	9/16/2010	0.908	-0.012
P09-GW1	8/31/2009	0.86 <sup>2</sup>	6/13/2010	0.79	0.09
P09-GW3	8/31/2009	0.92 <sup>2</sup>	6/13/2010	0.878	-0.022
P09-LCD1	8/31/2009	0.908 <sup>2</sup>	9/20/2010	0.949	0.041
P09-LCD4	8/31/2009	0.843 <sup>2</sup>	9/20/2010	0.899	0.056
P09-LCD6	8/31/2009	0.843 <sup>2</sup>	9/20/2010	0.764	-0.079
P09-SIS1	11/3/2009	0.925 <sup>5</sup>	9/13/2010	1.005	0.08
P09-SIS2	11/3/2009	0.94 <sup>5</sup>	9/13/2010	1.017	0.077
P09-SIS3	11/3/2009	0.94 <sup>5</sup>	9/13/2010	1.022	0.082
P09-SIS4	11/3/2009	0.945 <sup>5</sup>	9/13/2010	0.885	-0.06
P09-SIS5	11/3/2009	0.91 <sup>5</sup>	9/13/2010	0.952	0.042
P09-VC1	8/31/2009	0.90 <sup>2</sup>	9/20/2010	1.039	0.139
P09-VC2	11/4/2009	0.90 <sup>5</sup>	9/20/2010	0.901	0.001
P2001-2A	1/1/2008	0.34 <sup>1</sup>	9/15/2010	0.39	0.05
P2001-2B	1/1/2008	0.34 <sup>1</sup>	9/15/2010	0.328	-0.012
P2001-3	1/1/2008	0.68 <sup>1</sup>	9/15/2010	0.7	0.02
P96-6	1/1/2008	0.7 <sup>1</sup>	9/21/2010	0.674	-0.026
P96-7	1/1/2008	0.68 <sup>1</sup>	9/14/2010	0.626	-0.054
P96-8A	1/1/2008	0.6 <sup>1</sup>	9/14/2010	0.61	0.01
P96-8B	1/1/2008	0.7 <sup>1</sup>	9/15/2010	0.68	-0.02
P96-9A	1/1/2008	0.84 <sup>1</sup>	9/20/2010	0.823	-0.017
S1A	1/1/2008	1.34 <sup>1</sup>	9/14/2010	1.335	-0.005
S1B	1/1/2008	1.16 <sup>1</sup>	9/14/2010	1.205	0.045
S2A	1/1/2008	1.44 <sup>1</sup>	9/13/2010	1.344	-0.096
S2B	1/1/2008	0.9 <sup>1</sup>	9/13/2010	0.608	-0.292
SRK04-3A	1/1/2008	0.56 <sup>1</sup>	9/22/2010	0.603	0.043
SRK05-5C	1/1/2008	0.93 <sup>1</sup>	9/20/2010	1.018	0.088
SRK05-7	1/1/2008	0.75 <sup>1</sup>	9/20/2010	0.701	-0.049
SRK05-8	1/1/2008	0.5 <sup>1</sup>	9/20/2010	0.743	0.243
SRK05-ETA-BR	1/1/2008	0.66 <sup>1</sup>	9/22/2010	0.712	0.052
SRK05-ETA-BR	1/1/2008	0.64 <sup>1</sup>	9/22/2010	0.565	-0.075
SRK05-SP1A	1/1/2008	0.54 <sup>1</sup>	9/14/2010	0.818	0.278
SRK05-SP1B	1/1/2008	0.66 <sup>1</sup>	9/14/2010	0.865	0.205



**Table E-3: Comparison of Groundwater Wells  
Field Stick-up (m)**

Station Name	2008		2010		Change (m)
	Date	Field Stick-up (m)	Date	Field Stick-up (m)	
SRK05-SP2	1/1/2008	0.44 <sup>1</sup>	9/14/2010	0.442	0.002
SRK05-SP3A	1/1/2008	0.85 <sup>1</sup>	9/14/2010	0.864	0.014
SRK05-SP3B	1/1/2008	0.66 <sup>1</sup>	9/14/2010	0.72	0.06
SRK05-SP4A	1/1/2008	0.69 <sup>1</sup>	6/9/2010	0.96	0.27
SRK05-SP4B	1/1/2008	1 <sup>1</sup>	9/13/2010	0.876	-0.124
SRK05-SP5	1/1/2008	0.91 <sup>1</sup>	9/14/2010	1.141	0.231
SRK05-SP6	1/1/2006	0.86 <sup>4</sup>	9/14/2010	1.07	0.21
SRK08-P10A	1/1/2008	0.72 <sup>1</sup>	9/15/2010	0.686	-0.034
SRK08-P11A	1/1/2008	0.71 <sup>1</sup>	9/15/2010	0.672	-0.038
SRK08-P11B	1/1/2008	0.77 <sup>1</sup>	9/15/2010	0.732	-0.038
SRK08-P12A	1/1/2008	0.67 <sup>1</sup>	9/16/2010	0.66	-0.01
SRK08-P12B	1/1/2008	0.75 <sup>1</sup>	9/16/2010	0.75	0
SRK08-P14	1/1/2008	0.67 <sup>1</sup>	9/16/2010	0.726	0.056
SRK08-P15	1/1/2008	0.37 <sup>1</sup>	9/16/2010	0.374	0.004
SRK08-P16	1/1/2008	0.6 <sup>1</sup>	9/20/2010	0.606	0.006
SRK08-P9	1/1/2008	0.82 <sup>1</sup>	9/22/2010	0.776	-0.044
SRK08-SBR1	1/1/2008	0.8 <sup>1</sup>	9/14/2010	0.783	-0.017
SRK08-SBR2	1/1/2008	0.5 <sup>1</sup>	9/14/2010	0.615	0.115
SRK08-SBR3	1/1/2008	0.6 <sup>1</sup>	9/14/2010	0.973	0.373
SRK08-SBR4	9/10/2009	0.68 <sup>5</sup>	9/14/2010	0.811	0.131
SRK08-SP7A	1/1/2008	0.74 <sup>1</sup>	9/13/2010	0.64	-0.1
SRK08-SP7B	1/1/2008	0.73 <sup>1</sup>	9/13/2010	0.97	0.24
SRK08-SP8A	1/1/2008	0.74 <sup>1</sup>	9/13/2010	0.7	-0.04
SRK08-SP8B	1/1/2008	0.78 <sup>1</sup>	9/13/2010	0.81	0.03
TH86-17	1/1/2008	1.04 <sup>1</sup>	9/9/2010	1.049	0.009
TH86-2	9/18/2008	1.185 <sup>3</sup>	9/13/2010	0.485	-0.7
TH86-5	5/30/2008	1.22 <sup>3</sup>	9/9/2010	1.224	0.004
V34	1/1/2008	0.55 <sup>1</sup>	9/15/2010	0.521	-0.029
V35	1/1/2008	0.44 <sup>1</sup>	9/15/2010	0.45	0.01
V36	1/1/2008	0.5 <sup>1</sup>	9/15/2010	0.622	0.122
V37	1/1/2008	0.47 <sup>1</sup>	9/15/2010	0.456	-0.014
X16A	1/1/2008	0.85 <sup>1</sup>	9/8/2010	0.83	-0.02
X16B	1/1/2008	0.99 <sup>1</sup>	9/8/2010	0.881	-0.109
X17A	1/1/2008	0.65 <sup>1</sup>	9/8/2010	0.71	0.06
X17B	1/1/2008	1.16 <sup>1</sup>	9/8/2010	1.23	0.07
X18A	1/1/2008	0.63 <sup>1</sup>	9/8/2010	0.62	-0.01
X18B	1/1/2008	0.59 <sup>1</sup>	9/8/2010	0.61	0.02
X21-96A	1/1/2008	0.69 <sup>1</sup>	9/22/2010	0.63	-0.06
X21-96B	1/1/2008	0.74 <sup>1</sup>	9/22/2010	0.68	-0.06
X24-96D	1/1/2008	0.7 <sup>1</sup>	9/9/2010	0.884	0.184
X25-96A	1/1/2008	0.45 <sup>1</sup>	9/9/2010	0.088	-0.362
X25-96B	1/1/2008	0.42 <sup>1</sup>	9/9/2010	0.071	-0.349

<sup>1</sup> = Reported in the 2008 Annual Groundwater Report, assumed date of January 1, 2008.

<sup>2</sup> = Reported from the SRK 2009 Well Construction Details (provided by SRK Consultants), assumed date of August 31, 2009.

<sup>3</sup> = Rose Creek Aquifer Upstream of Tailings Well Investigation 2008 (AECOM Memo, February 12, 2009).

<sup>4</sup> = 2006 SRK/RGC Report.

<sup>5</sup> = September 2009 Laberge Environmental Services.

<sup>6</sup> = AECOM Well Construction Details Report, dataset prior to 2008, assumed date of January 1, 2007.

