

**Table 1: Site Descriptions**

Sampling Site	UTM Zone	Easting	Northing	Location Description
GSS-1	17T	514457	5157956	Park at Lindsley St. and Parkinson St.
GSS-2	17T	514409	5158331	Wooded area off Edison St. near legion
GSS-3	17T	514442	5158154	Park (field), Lindsley St. entrance
GSS-4	17T	514220	5158314	Yard (back) of Lodge on Edison St.
GSS-5	17T	514076	5158166	Field at Falconbridge School on Edison St.
GSS-6	17T	514054	5158373	Yard (back) at #115 Lindsley St.
GSS-7	17T	513836	5158493	Wooded area at end of Lindsley St.
GSS-8	17T	514663	5157819	Park on Hardy St. between Longyear St. and Lakshore St.
GSS-9	17T	514626	5157692	Grassy area at Lakeshore St. and Morlock St.
GSS-10	17T	514568	5157764	Vacant lot next to #5 Morlock St.
GSS-11	17T	514494	5157660	Vacant lot next to #33 Rix St.
GSS-12	17T	514474	5157533	Vacant lot at Lakeshore St. and MacDonnell St.
GSS-13	17T	514220	5157462	Grassy area off dirt road off Lakeshore St.
GSS-14	17T	514129	5157829	Yard (back) at #6 Cobalt St. (at Cobalt St. and Chesser St.)
GSS-15	17T	513862	5158134	Wooded area off Lindsley St. (at turn in road)
GSS-16	17T	514076	5157818	Wooded area off MacMillan St. near Cobalt St.
GSS-17	17T	513794	5157337	Grassy area off Longyear St. (between Edison St. turnoff and town)
GSS-18	17T	513443	5157479	Wooded area off Edison St (between Longyear turnoff and old gravel road)
GSS-19	17T	514454	5158091	Gravel lot behind Fire Hall off Edison St.
GSS-20	17T	513595	5158182	Wooded area off old gravel road off Edison St. (at turn in road)
GSS-21	17T	514094	5157984	Grassy area between United Church and Memorial Rink near Mott St. and Franklin St.
GSS-22	17T	514509	5157870	Grass median at Longyear St. and Morlock St.
GSS-23	17T	514283	5157755	Grass median at Longyear St. and Hodge St./MacDonnell St.
GSS-24	17T	514096	5157567	Wooded area off Longyear St. near Auto Port
GSS-25	17T	513594	5157251	Wooded area off Longyear St. (between Edison St. turnoff and town)
GSS-26	17T	513098	5157386	Wooded area off Longyear St. (near Edison St. turnoff)
GSS-27	17T	513031	5157292	Wooded area off Longyear St. (past Edison St. turnoff towards Garson)
GSS-28	17T	512645	5157177	Wooded area off Longyear St. (past Edison St. turnoff towards Garson)
GSS-29	17T	512515	5157324	Wooded area off Longyear St. (past Edison St. turnoff towards Garson)
GSS-30	17T	511952	5157242	Wooded area off Longyear St. (past Edison St. turnoff towards Garson)
GSS-31	17T	511944	5157091	Wooded area off Longyear St. (past Edison St. turnoff towards Garson)
GSS-32	17T	514519	5157740	Playground on Parkinson St. between Longyear St. and Lakeshore St.
GSS-33	17T	514310	5158161	Playground near ballfield and community center, Lindsley St. entrance

**Table 2: Duplicate Analysis**

Species	Depth Interval		
	0-5 cm	5-10 cm	10-20 cm
<b>Arsenic:</b>			
minimum difference between duplicates	0	0	0
maximum difference between duplicates	62	97	73
mean difference between duplicates	7.5 (n=29)	8.6 (n=29)	7.0 (n=23)
duplicates with no difference	4	3	4
<b>Cobalt:</b>			
minimum difference between duplicates	0	0	0
maximum difference between duplicates	44	117	30
mean difference between duplicates	2.8 (n=30)	2.3 (n=29)	1.2 (n=27)
duplicates with no difference	3	4	5
<b>Copper:</b>			
minimum difference between duplicates	0	0	0
maximum difference between duplicates	423	280	410
mean difference between duplicates	54 (n=29)	42 (n=30)	23 (n=30)
duplicates with no difference	4	2	2
<b>Nickel:</b>			
minimum difference between duplicates	0	0	0
maximum difference between duplicates	440	270	480
mean difference between duplicates	58 (n=30)	35 (n=31)	22 (n=28)
duplicates with no difference	3	2	4

**TABLE 3  
DETAILED SOIL CORE DESCRIPTIONS**

<b>Site</b>	<b>Soil Core Description</b>
GSS-1	<ul style="list-style-type: none"> <li>• Thin horizon of clipped grass at top of core underlain by a ~3 cm dark brown, rooted, matted organic horizon and a mottled sandy horizon to 20 cm.</li> <li>• Sand is medium to light brown, fine-grained and well packed.</li> <li>• Average sample depth is ~15 cm.</li> <li>• Landscaped and very compacted, probable fertilizer use.</li> </ul>
GSS-2	<ul style="list-style-type: none"> <li>• Thin organic horizon (~1 cm) at top of core underlain by a medium brown to grey sand horizon to 20 cm.</li> <li>• Sand is unconsolidated and fine-grained to very fine-grained.</li> <li>• Average sample depth is ~20 cm.</li> </ul>
GSS-3	<ul style="list-style-type: none"> <li>• Thin grass and organic horizon (~1 cm) at top of core underlain by light to dark brown sand.</li> <li>• Sand is very compact and dense and certain cores are dark brown and muddy at depth.</li> <li>• Tailings are encountered at ~15 cm depth, accompanied by a change in colour from dark brown to orange.</li> <li>• Average sample depth is ~20 cm.</li> </ul>
GSS-4	<ul style="list-style-type: none"> <li>• Thin grass at top of core underlain by ~5 cm dark brown, rooted, matted organic horizon and a sand horizon.</li> <li>• Sand is medium-grained texture and grades in colour from dark brown to light brown with depth.</li> <li>• Average sample depth is ~15 cm.</li> <li>• Landscaped, probable fertilizer use.</li> </ul>
GSS-5	<ul style="list-style-type: none"> <li>• Grass underlain by a ~2 cm, fairly loose, unrooted organic horizon, underlain by a 1 cm thick dark brown, medium-grained sand horizon and a very fine-grained, light brown, unconsolidated sand horizon to depth.</li> <li>• Average sample depth is ~5 to 10 cm.</li> <li>• Landscaped, probable fertilizer use.</li> </ul>

**TABLE 3 (CONTINUED)**  
**DETAILED SOIL CORE DESCRIPTIONS**

Site	Soil Core Description
GSS-6	<ul style="list-style-type: none"> <li>• Grass and a 2 cm dark brown, rooted organic horizon grades into a 3 cm thick fungal, dark brown sand horizon, a 2 cm thick fine-grained, light brown sand horizon and a dark brown sand horizon to depth.</li> <li>• Dark brown sand is medium-grained grading to coarse at depth and certain cores include woody fragments and possible charcoal.</li> <li>• Cores are very compact and soil is easily compressed in the core.</li> <li>• Average sample depth is ~15 cm.</li> <li>• Landscaped residence yard, probable fertilizer use.</li> </ul>
GSS-7	<ul style="list-style-type: none"> <li>• Thin (~2 cm) rooted organic mat at top of core is underlain by fine-grained, dark brown sand horizon to depth.</li> <li>• Certain cores contain light grey, silty-textured sand in the bottom 5 cm of the cores; certain cores contain orange-brown sand in the bottom 5 cm.</li> <li>• Average sample depth is ~20 cm.</li> <li>• Near gravel and slag chip parking lot.</li> </ul>
GSS-8	<ul style="list-style-type: none"> <li>• Grass and a dark brown, rooted organic mat horizon ~3 cm thick is underlain by a dark brown muddy sand horizon to ~8 cm and lighter brown, coarser-grained sand to depth.</li> <li>• Certain cores contain fine-grained, grey silt at depth.</li> <li>• Average sample depth is ~15 cm (less for silty-bottomed cores).</li> <li>• Landscaped, probable fertilizer use.</li> </ul>
GSS-9	<ul style="list-style-type: none"> <li>• Thin (~2 cm) organic horizon mixed with gravel at top of core underlain by coarse-grained, gravelly grey to brown sand to ~5 cm, underlain by more compacted, finer-grained, lighter brown sand to depth.</li> <li>• Average sample depth is ~15 cm.</li> <li>• Sample area was long and thin, so sampled in a transect pattern.</li> </ul>
GSS-10	<ul style="list-style-type: none"> <li>• Litter and organic mat ~2 cm at top of core underlain by a 15 cm thick horizon of organic-rich, dark brown, fine-grained sand to depth.</li> <li>• Certain cores contain a few cm of light brown, coarse-grained sand near 20 cm.</li> <li>• Average sample depth is 20 cm.</li> <li>• Definite fertilizer and liming use.</li> <li>• Neighbour commented that grass will not grow on this vacant lot despite multiple fertilizing attempts.</li> </ul>

**TABLE 3 (CONTINUED)**  
**DETAILED SOIL CORE DESCRIPTIONS**

Site	Soil Core Description
GSS-11	<ul style="list-style-type: none"> <li>• Thin grass and 3 cm of dark brown, organic mat at top of core underlain by a horizon of very fine-grained, light grey to light brown, dry, unconsolidated sand to ~10 cm depth.</li> <li>• Between 10 and 12 cm depth, sand is coarser-grained to gravelly and unconsolidated.</li> <li>• Average sample depth is 12 cm.</li> <li>• Landscaped and freshly cut grass, probable fertilizer use.</li> <li>• Sampling area was narrow, took samples in a transect pattern to avoid fences, pathways and other structures.</li> </ul>
GSS-12	<ul style="list-style-type: none"> <li>• Sample location is on gravel fill.</li> <li>• Gravel is medium grey to brown, coarse-grained with pebbles and cobbles (up to 6 cm diameter) at depth and very unconsolidated.</li> <li>• Average sample depth is ~15 cm; below this depth is only large cobbles.</li> <li>• Site was too gravelly for coring, so sampled by pit using a stainless steel trowel.</li> </ul>
GSS-13	<ul style="list-style-type: none"> <li>• Core is entirely composed of sand, very fine-grained and medium to dark brown colour.</li> <li>• Sand is muddy and very compacted at depth.</li> <li>• In certain cores, charcoal is encountered between 15 and 20 cm depth and in other cores a grey, metallic sheet silicate is encountered between 5 and 10 cm depth.</li> <li>• Cores contain a coarser-grained, orange-brown sand between 15 and 20 cm depth.</li> <li>• Average sample depth is 20 cm.</li> <li>• Site is gravelly and washout/muddy in places.</li> </ul>
GSS-14	<ul style="list-style-type: none"> <li>• Grass and a rooted organic mat (~3 cm) underlain by an organic-rich horizon of dark brown, unconsolidated, fine-grained silty sand to 15 cm depth.</li> <li>• Certain cores contain lighter brown sand at depth.</li> <li>• Average sample depth is 15 to 17 cm.</li> <li>• Landscaped residence yard, probable fertilizer use.</li> </ul>
GSS-15	<ul style="list-style-type: none"> <li>• Organic, rooted mat 4 cm thick underlain by a 5 cm thick horizon of lighter brown-grey sand and a horizon of light brown, fine-grained, unconsolidated sand to 20 cm depth.</li> <li>• In certain cores, charcoal is encountered between 5 and 7 cm depth.</li> <li>• Average sample depth is 20 cm.</li> </ul>

**TABLE 3 (CONTINUED)**  
**DETAILED SOIL CORE DESCRIPTIONS**

Site	Soil Core Description
GSS-16	<ul style="list-style-type: none"> <li>• Organic rooted mat from top of core to 5 cm underlain by either a dark brown, medium-grained, muddy sand horizon or a more unconsolidated, light orange-brown medium-grained sand horizon.</li> <li>• Average sample depth is between 15 and 20 cm.</li> </ul>
GSS-17	<ul style="list-style-type: none"> <li>• Organic-rich, rooted, dark brown soil horizon from top of core to ~12 cm depth underlain by a horizon of consolidated, lighter brown-orange, fine-grained sand to depth.</li> <li>• Average sample depth is between 15 and 20 cm.</li> </ul>
GSS-18	<ul style="list-style-type: none"> <li>• Cores variable at this sample location.</li> <li>• Cores contain a thick (~10 cm) organic muddy soil underlain by either a light-grey, marl-looking sand or an orange-brown, fine-grained, very wet sand to depth.</li> <li>• Core samples are very wet and muddy, may be some slight cross-contamination.</li> <li>• Average sample depth is 20 cm.</li> <li>• Site is quite wet and boggy, some cross-contamination may occur.</li> </ul>
GSS-19	<ul style="list-style-type: none"> <li>• Sample location is on gravel fill.</li> <li>• Gravel is medium grey to brown, coarse-grained, very unconsolidated and persists to depth.</li> <li>• Some darker brown soil is mixed in with gravel and large cobbles.</li> <li>• Average sample depth is 20 cm.</li> <li>• Site is too gravelly to sample by coring, so sampled by pit using a stainless steel trowel.</li> </ul>
GSS-20	<ul style="list-style-type: none"> <li>• A mossy, muddy, dark brown organic horizon (~3 to 5 cm) is underlain by a horizon of orange-brown, medium-grained, fairly consolidated sand to depth.</li> <li>• Certain core had mottled sand at depth, with thin horizons of light-grey, medium-grained sand.</li> <li>• Average sample depth is 20 cm.</li> </ul>
GSS-21	<ul style="list-style-type: none"> <li>• Entire core is organic-rich and fairly consolidated, with very little sand at depth in certain cores.</li> <li>• Gravel is interspersed throughout many cores.</li> <li>• Average sample depth is 15 to 17 cm.</li> <li>• Site is very gravelly.</li> </ul>

**TABLE 3 (CONTINUED)**  
**DETAILED SOIL CORE DESCRIPTIONS**

Site	Soil Core Description
GSS-22	<ul style="list-style-type: none"> <li>• A 5 cm thick grass and organic, consolidated mat horizon underlain by a horizon of fine-grained, light brown, unconsolidated sand to a maximum core depth of 10 cm.</li> <li>• Deeper cores contain between 5 and 10 cm of light grey silt under the organic horizon, with a darker brown, fine-grained sand at depth.</li> <li>• Average sample depth is 10 to 15 cm.</li> <li>• Site is a narrow median, so sampled in a transect pattern.</li> <li>• Landscaped, probable fertilizer use.</li> </ul>
GSS-23	<ul style="list-style-type: none"> <li>• A ~3 cm thick horizon of grass and organic mat underlain by a horizon of medium brown, silty sand to depth.</li> <li>• Average sample depth is 15 cm, with some to 20 cm.</li> <li>• Site is a narrow median, so sampled in a transect pattern.</li> <li>• Landscaped, probable fertilizer use.</li> </ul>
GSS-24	<ul style="list-style-type: none"> <li>• Grass, thin moss, and organic dark brown, rooted, consolidated mat from top of core to 5 cm depth underlain by an orange-brown, medium-grained sand that grades from dark to light with depth.</li> <li>• Average sample depth is between 15 and 20 cm.</li> </ul>
GSS-25	<ul style="list-style-type: none"> <li>• Very thin organic horizon (~1 cm) underlain by light brown, medium-grained, very dry, unconsolidated sand to 15 cm depth and lighter brown, unconsolidated sand to depth.</li> <li>• Average soil depth is 20 cm.</li> </ul>
GSS-26	<ul style="list-style-type: none"> <li>• Thin (~2 cm), fairly unconsolidated organic horizon underlain by light brown, fine-grained sand to depth which grades slightly from darker to lighter brown with increasing depth.</li> <li>• Average sample depth is 20 cm.</li> </ul>
GSS-27	<ul style="list-style-type: none"> <li>• Thin (~2 cm), fairly unconsolidated organic horizon underlain by a medium orange-brown, fine-grained sand which grades in colour to light brown sand at depth.</li> <li>• Average sample depth is 20 cm.</li> </ul>
GSS-28	<ul style="list-style-type: none"> <li>• Unconsolidated organic horizon from top of core to ~3 cm underlain by fine-grained, unconsolidated sand to depth.</li> <li>• Sand varies from mottled light grey and light brown in certain cores to orange-brown and light brown mottled in other cores.</li> <li>• Average sample depth is 20 cm.</li> </ul>

**TABLE 3 (CONTINUED)**  
**DETAILED SOIL CORE DESCRIPTIONS**

Site	Soil Core Description
GSS-29	<ul style="list-style-type: none"> <li>• Thin (~2 cm), rooted, dark brown organic mat at top of core underlain by ~2 cm of organic-rich, dark brown sand that grades to light brown, fine-grained sand persisting to depth.</li> <li>• In certain cores, lighter brown sand is present at depth.</li> <li>• Average sample depth is 15 to 20 cm.</li> </ul>
GSS-30	<ul style="list-style-type: none"> <li>• Thick organic-rich, dark brown, rooted mat from top of core to 5 cm depth underlain medium brown, fine- to medium-grained, consolidated sand to depth.</li> <li>• Between 15 and 20 cm, sand is very wet and muddy.</li> <li>• Certain cores contained light grey sand at depth.</li> <li>• Average sample depth is 20 cm.</li> </ul>
GSS-31	<ul style="list-style-type: none"> <li>• Organic-rich, dark brown medium-grained sand from top of core to ~10 cm depth underlain by light brown to light grey sand, to orange-brown, medium-grained soil at depth.</li> <li>• Average sample depth is 20 cm.</li> </ul>
GSS-32	<ul style="list-style-type: none"> <li>• Thin (~2 cm) grassy, rooted organic horizon at top of core underlain by up to 15 cm of light brown, unconsolidated, fine-grained sand.</li> <li>• Average sample depth 10-15 cm.</li> <li>• Playground, landscaped, probable fertilizer use.</li> </ul>
GSS-33	<ul style="list-style-type: none"> <li>• Thin (~3 cm), rooted, dark brown organic horizon at top of core underlain by up to 15 cm of medium brown, unconsolidated, fine-grained sand.</li> <li>• Average sample depth 10-15 cm.</li> <li>• Playground, landscaped, probable fertilizer use.</li> </ul>



Sample ID	Site	Depth		C(t)	CO3	Soil pH	Conductivity	Al	As ICP	As hydride
Detection Limit				---	---	0.25	25	100	5	5
MOE Guideline									20	20
		cm		%	%	units	µmhos/cm	µg/g	µg/g	µg/g
2001-12001	GSS-1	0-5	d	6.01	< 0.05	6.34	353	9000	---	6
2001-12007	GSS-2	0-5	d	2.35	0.85	6.53	68	11000	---	42
2001-12013	GSS-3	0-5	d	2.11	< 0.05	6.4	94	9800	---	56
2001-12019	GSS-4	0-5	d	6.06	0.08	5.54	99	7100	---	70
2001-12025	GSS-5	0-5	d	3.51	< 0.05	5.97	191	8200	---	< 5
2001-12031	GSS-6	0-5	d	4.58	0.55	6.84	204	6700	---	15
2001-12037	GSS-7	0-5	d	5.73	0.78	6.48	327	14000	210	---
2001-12043	GSS-8	0-5	d	3.8	< 0.05	6.28	115	9400	---	6
2001-12049	GSS-9	0-5	d	5.13	0.75	6.77	330	9800	---	23
2001-12055	GSS-10	0-5	d	5.58	0.13	5.48	128	7100	220	---
2001-12061	GSS-11	0-5	d	7.17	< 0.05	5.65	391	9200	---	16
2001-12067	GSS-12	0-5	d	1.15	< 0.05	7.25	178	6600	---	15
2001-12073	GSS-13	0-5	d	2.74	0.2	5.37	96	11000	140	---
2001-12079	GSS-14	0-5	d	9.46	0.51	6.3	506	7000	---	27
2001-12085	GSS-15	0-5	d	2.73	< 0.05	4.64	65	9700	110	---
2001-12091	GSS-16	0-5	d	3.34	< 0.05	5.38	58	12000	---	75
2001-12097	GSS-17	0-5	d	6.44	< 0.05	4.89	78	10000	---	58
2001-12103	GSS-18	0-5	d	4.27	0.1	4.53	88	6800	---	59
2001-12109	GSS-19	0-5	d	0.89	0.2	6.86	128	7200	---	61
2001-12115	GSS-20	0-5	d	2.84	0.25	4.95	52	8900	120	---
2001-12121	GSS-21	0-5	d	10.1	0.05	5.52	83	8300	---	80
2001-12127	GSS-22	0-5	d	2.99	< 0.05	6.82	109	9200	---	8
2001-12133	GSS-23	0-5	d	2.95	< 0.05	5.94	87	8300	---	21
2001-12139	GSS-24	0-5	d	3.62	0.2	5.25	86	9700	193	---
2001-12145	GSS-25	0-5	d	1.13	< 0.05	6.18	34	8500	---	9
2001-12151	GSS-26	0-5	d	1.4	0.05	5.75	60	6500	---	26
2001-12157	GSS-27	0-5	d	1.51	< 0.05	4.55	36	6400	---	55
2001-12163	GSS-28	0-5	d	1.77	< 0.05	4.33	22	6600	---	39
2001-12169	GSS-29	0-5	d	1.52	0.27	7.28	73	7200	---	8
2001-12175	GSS-30	0-5	d	5.59	0.1	5.2	65	5500	---	74
2001-12181	GSS-31	0-5	d	2.43	< 0.05	4.6	22	4900	---	32
2001-12187	GSS-32	0-5	d	1.69	< 0.05	5.9	87	6800	---	13
2001-12193	GSS-33	0-5	d	6.86	0.1	5.2	102	9800	160	---
2001-12000	GSS-1	0-5		6.54	< 0.05	6.05	420	9200	---	< 5
2001-12006	GSS-2	0-5		1.98	0.65	6.41	130	8500	---	50
2001-12012	GSS-3	0-5		1.99	< 0.05	6.3	88	8400	---	57
2001-12018	GSS-4	0-5		4.25	0.05	5.86	169	8300	---	14
2001-12024	GSS-5	0-5		3.16	< 0.05	5.84	81	11000	---	< 5
2001-12030	GSS-6	0-5		6.33	0.55	6.95	324	5500	---	15
2001-12036	GSS-7	0-5		5.14	0.55	6.49	197	13000	200	---
2001-12042	GSS-8	0-5		4.47	< 0.05	6	228	11000	---	7
2001-12048	GSS-9	0-5		4.85	1.1	6.84	389	11000	---	17
2001-12054	GSS-10	0-5		7.06	0.24	5.36	105	8000	200	---
2001-12060	GSS-11	0-5		6.72	< 0.05	5.48	360	9100	---	16
2001-12066	GSS-12	0-5		1.08	< 0.05	6.6	86	6200	---	8.5
2001-12072	GSS-13	0-5		3.22	0.89	5.24	61	12000	158	---
2001-12078	GSS-14	0-5		8.29	0.17	6.3	318	6800	---	23
2001-12084	GSS-15	0-5		2.98	0.1	4.82	59	9400	131	---
2001-12090	GSS-16	0-5		3.92	< 0.05	4.95	62	9200	110	---
2001-12096	GSS-17	0-5		6.54	< 0.05	4.62	127	9200	---	52
2001-12102	GSS-18	0-5		4.82	0.09	4.08	80	7000	121	---

Sample ID	Site	Depth		C(t)	CO3	Soil pH	Conductivity	Al	As ICP	As hydride
Detection Limit				---	---	0.25	25	100	5	5
MOE Guideline									20	20
		cm		%	%	units	µmhos/cm	µg/g	µg/g	µg/g
2001-12108	GSS-19	0-5		0.16	< 0.05	7.17	80	9300	---	8
2001-12114	GSS-20	0-5		4.26	< 0.05	4.65	65	9800	120	---
2001-12120	GSS-21	0-5		6.71	0.15	5.62	125	6200	---	81
2001-12126	GSS-22	0-5		3.1	0.05	6.52	158	8000	---	< 5
2001-12132	GSS-23	0-5		2.67	< 0.05	6.38	112	8200	---	< 5
2001-12138	GSS-24	0-5		3.75	0.25	5.14	72	9600	144	---
2001-12144	GSS-25	0-5		0.88	< 0.05	6.63	152	8200	---	< 5
2001-12150	GSS-26	0-5		1.48	< 0.05	5.63	56	6400	---	24
2001-12156	GSS-27	0-5		2	< 0.05	4.66	40	6100	---	56
2001-12162	GSS-28	0-5		0.92	0.15	4.45	36	6600	---	23
2001-12168	GSS-29	0-5		1.41	0.4	6.79	62	8600	---	6
2001-12174	GSS-30	0-5		4.2	0.05	5.3	55	4800	---	64
2001-12180	GSS-31	0-5		3.31	< 0.05	4.39	21	4400	---	36
2001-12186	GSS-32	0-5		2.55	< 0.05	5.6	91	6600	---	21
2001-12192	GSS-33	0-5		5.97	0.08	5.3	97	8800	130	---
2001-12005	GSS-1	10-20	d	1.9	< 0.05	5.8	83	7500	---	24
2001-12011	GSS-2	10-20	d	0.71	< 0.05	5.62	55	10000	---	< 5
2001-12017	GSS-3	10-20	d	1.54	< 0.05	5.47	152	16000	---	29
2001-12023	GSS-4	10-20	d	3.06	0.05	5.6	94	11000	---	45
2001-12035	GSS-6	10-20	d	2.95	< 0.05	6.54	65	8700	---	7
2001-12041	GSS-7	10-20	d	4.01	0.11	4.54	69	12000	297	---
2001-12047	GSS-8	10-20	d	1.19	< 0.05	6.38	34	8400	---	9
2001-12053	GSS-9	10-20	d	3.63	0.05	4.56	101	11000	---	34
2001-12059	GSS-10	10-20	d	2.96	0.05	6.68	114	8100	150	---
2001-12065	GSS-11	10-20	d	4.5	< 0.05	6.07	72	10000	---	33
2001-12071	GSS-12	10-20	d	3.6	< 0.05	6.62	175	6800	---	19
2001-12077	GSS-13	10-20	d	1.88	0.17	5.03	63	16000	190	---
2001-12083	GSS-14	10-20	d	3.65	< 0.05	6.78	127	8300	---	21
2001-12089	GSS-15	10-20	d	0.97	< 0.05	4.88	74	15000	---	5.5
2001-12095	GSS-16	10-20	d	1.69	< 0.05	5.19	128	21000	---	15
2001-12101	GSS-17	10-20	d	1.98	< 0.05	5.85	98	9100	---	24
2001-12107	GSS-18	10-20	d	1.43	< 0.05	4.29	70	8500	---	7
2001-12113	GSS-19	10-20	d	0.5	< 0.05	6.73	99	11000	---	11
2001-12119	GSS-20	10-20	d	2.24	0.05	4.55	67	10000	---	57
2001-12125	GSS-21	10-20	d	7.56	< 0.05	4.86	58	7500	---	18
2001-12131	GSS-22	10-20	d	1.52	< 0.05	6.58	79	9100	---	< 5
2001-12137	GSS-23	10-20	d	2.71	< 0.05	6.2	110	7600	---	12
2001-12143	GSS-24	10-20	d	1.58	< 0.05	5.23	87	15000	---	9
2001-12149	GSS-25	10-20	d	0.42	< 0.05	6.24	54	6600	---	< 5
2001-12155	GSS-26	10-20	d	0.68	< 0.05	5.99	108	8200	---	6
2001-12161	GSS-27	10-20	d	0.99	< 0.05	4.8	54	9100	---	16
2001-12167	GSS-28	10-20	d	0.8	< 0.05	4.69	44	11000	---	6
2001-12173	GSS-29	10-20	d	0.67	< 0.05	7.2	71	8000	---	< 5
2001-12179	GSS-30	10-20	d	0.95	< 0.05	5.52	57	7200	---	< 5
2001-12185	GSS-31	10-20	d	0.9	< 0.05	4.43	36	10000	---	< 5
2001-12191	GSS-32	10-20	d	1.37	< 0.05	5.7	55	6600	---	21
2001-12197	GSS-33	10-20	d	3.02	< 0.05	5.1	50	7500	---	16
2001-12004	GSS-1	10-20		3.01	< 0.05	5.78	123	8500	---	97
2001-12010	GSS-2	10-20		0.62	< 0.05	5.78	84	9700	---	13
2001-12016	GSS-3	10-20		1.34	< 0.05	5.6	152	15000	---	37
2001-12022	GSS-4	10-20		2.87	< 0.05	5.21	93	9400	---	89

Sample ID	Site	Depth		C(t)	CO3	Soil pH	Conductivity	Al	As ICP	As hydride
Detection Limit				---	---	0.25	25	100	5	5
MOE Guideline									20	20
		cm		%	%	units	µmhos/cm	µg/g	µg/g	µg/g
2001-12034	GSS-6	10-20		3.79	0.05	6.79	79	8800	---	< 5
2001-12040	GSS-7	10-20		3.81	0.15	4.84	85	12000	270	---
2001-12046	GSS-8	10-20		1.15	< 0.05	6.43	56	8300	---	< 5
2001-12052	GSS-9	10-20		2.38	0.12	6.5	139	11000	---	45
2001-12058	GSS-10	10-20		3.14	0.17	6.35	90	8600	160	---
2001-12070	GSS-12	10-20		2.21	0.25	6.36	61	8500	---	17
2001-12076	GSS-13	10-20		2.08	0.2	5.28	83	12000	190	---
2001-12082	GSS-14	10-20		4.08	0.06	6.79	86	7200	---	19
2001-12088	GSS-15	10-20		1.32	< 0.05	5.01	145	16000	---	10
2001-12094	GSS-16	10-20		3.86	0.1	5.06	91	15000	---	61
2001-12100	GSS-17	10-20		1.54	< 0.05	6.13	60	8100	---	22
2001-12106	GSS-18	10-20		1.33	< 0.05	4.42	65	8200	---	7
2001-12112	GSS-19	10-20		0.98	0.3	8.29	214	9400	---	42
2001-12118	GSS-20	10-20		1.53	< 0.05	4.31	54	11000	---	69
2001-12124	GSS-21	10-20		9.93	< 0.05	4.81	75	6400	---	40
2001-12130	GSS-22	10-20		1.42	< 0.05	6.84	42	8000	---	7
2001-12136	GSS-23	10-20		1.53	0.15	6.55	89	6800	---	15
2001-12142	GSS-24	10-20		1.85	< 0.05	5.31	67	14000	---	13
2001-12148	GSS-25	10-20		0.37	< 0.05	7.01	50	7000	---	< 5
2001-12154	GSS-26	10-20		0.8	< 0.05	5.73	64	7700	---	< 5
2001-12160	GSS-27	10-20		1.11	< 0.05	4.97	56	8300	---	16
2001-12166	GSS-28	10-20		0.74	< 0.05	4.44	30	12000	---	< 5
2001-12172	GSS-29	10-20		0.75	< 0.05	6.2	84	7800	---	< 5
2001-12178	GSS-30	10-20		0.94	< 0.05	5.29	41	8300	---	< 5
2001-12184	GSS-31	10-20		1.02	< 0.05	4.36	33	8900	---	< 5
2001-12190	GSS-32	10-20		0.76	< 0.05	5.9	34	6100	---	11
2001-12196	GSS-33	10-20		7.88	< 0.05	5.8	NSS	8800	---	14
2001-12003	GSS-1	5-10	d	1.73	< 0.05	6.15	88	8300	---	9
2001-12009	GSS-2	5-10	d	1.21	0.1	6.26	74	13000	---	24
2001-12015	GSS-3	5-10	d	1.77	< 0.05	6.31	54	9100	---	74
2001-12021	GSS-4	5-10	d	3.31	0.22	6.1	137	7900	---	63
2001-12027	GSS-5	5-10	d	2.13	< 0.05	NSS	NSS	12000	---	< 5
2001-12033	GSS-6	5-10	d	2.73	< 0.05	6.75	122	8200	---	13
2001-12039	GSS-7	5-10	d	4.56	0.06	5.52	84	12000	280	---
2001-12045	GSS-8	5-10	d	2.4	< 0.05	6.12	48	8900	---	7
2001-12051	GSS-9	5-10	d	5.34	0.24	5.35	296	14000	---	28
2001-12057	GSS-10	5-10	d	3.72	0.25	6.69	222	9100	160	---
2001-12063	GSS-11	5-10	d	3.94	0.05	5.71	85	8400	---	24
2001-12069	GSS-12	5-10	d	1.19	< 0.05	6.76	81	6200	---	9
2001-12075	GSS-13	5-10	d	1.47	0.23	5.39	56	10000	160	---
2001-12081	GSS-14	5-10	d	8.05	0.28	6.67	277	9400	---	24
2001-12087	GSS-15	5-10	d	2.5	< 0.05	5	135	14000	---	62
2001-12093	GSS-16	5-10	d	2.14	< 0.05	5.34	75	16000	---	43
2001-12099	GSS-17	5-10	d	4.82	< 0.05	5.96	67	10000	---	28
2001-12105	GSS-18	5-10	d	2.45	< 0.05	4.24	59	5700	---	28
2001-12111	GSS-19	5-10	d	1.07	0.2	6.44	46	8700	---	57
2001-12117	GSS-20	5-10	d	3.4	< 0.05	4.2	62	11000	140	---
2001-12123	GSS-21	5-10	d	7.08	< 0.05	5.23	69	7500	---	29
2001-12129	GSS-22	5-10	d	1.52	< 0.05	6.33	75	9100	---	9
2001-12135	GSS-23	5-10	d	2.48	0.1	6.25	73	8200	---	8
2001-12141	GSS-24	5-10	d	2.75	< 0.05	4.87	37	12000	120	---

Sample ID	Site	Depth		C(t)	CO3	Soil pH	Conductivity	Al	As ICP	As hydride
Detection Limit				---	---	0.25	25	100	5	5
MOE Guideline									20	20
		cm		%	%	units	µmhos/cm	µg/g	µg/g	µg/g
2001-12147	GSS-25	5-10	d	0.77	0.05	6.46	56	7800	---	< 5
2001-12153	GSS-26	5-10	d	0.9	< 0.05	5.92	55	8100	---	12
2001-12159	GSS-27	5-10	d	1.12	< 0.05	4.62	57	8800	---	36
2001-12165	GSS-28	5-10	d	1.3	< 0.05	4.42	36	9500	---	19
2001-12171	GSS-29	5-10	d	0.68	< 0.05	6.88	36	7000	---	< 5
2001-12177	GSS-30	5-10	d	1.74	< 0.05	5.48	43	7600	---	10
2001-12183	GSS-31	5-10	d	1.86	< 0.05	4.34	41	8400	---	10
2001-12189	GSS-32	5-10	d	1.52	< 0.05	5.8	57	7200	---	20
2001-12195	GSS-33	5-10	d	8.43	< 0.05	5.2	68	10000	---	44
2001-12002	GSS-1	5-10		2.04	0.5	5.95	63	8600	---	9
2001-12008	GSS-2	5-10		1.52	0.4	6.38	129	11000	---	32
2001-12014	GSS-3	5-10		1.84	< 0.05	6.26	92	9500	---	52
2001-12020	GSS-4	5-10		3.47	0.05	5.45	74	9300	---	56
2001-12032	GSS-6	5-10		3.9	0.15	7.1	152	9200	---	8.6
2001-12038	GSS-7	5-10		4.58	0.13	5.01	73	13000	254	---
2001-12044	GSS-8	5-10		1.96	< 0.05	6.4	64	8600	---	5
2001-12050	GSS-9	5-10		6.13	0.88	4.5	190	10000	---	26
2001-12056	GSS-10	5-10		3.44	0.15	6.01	63	9700	190	---
2001-12062	GSS-11	5-10		3.79	< 0.05	5.78	71	9000	---	26
2001-12068	GSS-12	5-10		1.79	0.15	6.75	122	7800	---	17
2001-12074	GSS-13	5-10		1.75	0.39	5.48	92	11000	133	---
2001-12080	GSS-14	5-10		9.08	0.32	6.75	174	8700	---	19
2001-12086	GSS-15	5-10		1.51	< 0.05	4.74	55	11000	---	39
2001-12092	GSS-16	5-10		3.34	0.05	4.9	54	14000	140	---
2001-12098	GSS-17	5-10		3.48	< 0.05	5.84	50	8100	---	40
2001-12104	GSS-18	5-10		2.38	< 0.05	4.95	63	6700	---	10
2001-12110	GSS-19	5-10		0.77	0.05	7.35	130	7800	---	33
2001-12116	GSS-20	5-10		3.34	< 0.05	4.48	60	11000	140	---
2001-12122	GSS-21	5-10		7.05	< 0.05	5.27	90	9800	---	51
2001-12128	GSS-22	5-10		1.24	< 0.05	6.19	82	9400	---	< 5
2001-12134	GSS-23	5-10		1.47	< 0.05	6.02	58	8600	---	12
2001-12140	GSS-24	5-10		2.16	0.05	6.44	51	11000	---	70
2001-12146	GSS-25	5-10		0.52	< 0.05	6.2	43	8200	---	10
2001-12152	GSS-26	5-10		0.9	< 0.05	6.33	52	6900	---	16
2001-12158	GSS-27	5-10		1.49	< 0.05	4.64	45	8300	---	41
2001-12164	GSS-28	5-10		1.01	< 0.05	4.4	38	10000	---	6
2001-12170	GSS-29	5-10		1.01	< 0.05	6.66	81	6800	---	< 5
2001-12176	GSS-30	5-10		1.78	< 0.05	5.18	43	7000	---	9
2001-12182	GSS-31	5-10		2.1	< 0.05	4.31	41	7300	---	27
2001-12188	GSS-32	5-10		2.55	< 0.05	5.5	64	8800	---	21
2001-12194	GSS-33	5-10		6.53	< 0.05	5.4	70	12000	---	37

Sample ID	Site	Depth		Ba	Be	Cd	Ca	Co	Cu	Cr	Fe	Mg	Mn	Mo
Detection Limit				20	1	0.8	50	10	20	20	100	50	50	1.5
MOE Guideline				750	1.2	12		40	225	750				40
		cm		µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
2001-12001	GSS-1	0-5	d	38	< 0.5	< 0.8	5200	11	83	57	12000	2000	160	1.5
2001-12007	GSS-2	0-5	d	56	< 0.5	1	6200	22	300	44	21000	4700	230	2.4
2001-12013	GSS-3	0-5	d	33	< 0.5	1.2	2800	41	690	41	14000	2600	140	< 1.5
2001-12019	GSS-4	0-5	d	38	< 0.5	1.2	4400	38	900	45	17000	2500	170	1.9
2001-12025	GSS-5	0-5	d	39	< 0.5	< 0.8	4500	8.9	51	52	21000	2900	210	< 1.5
2001-12031	GSS-6	0-5	d	32	< 0.5	1.3	8200	32	490	39	15000	2700	170	< 1.5
2001-12037	GSS-7	0-5	d	100	< 0.5	1.1	10000	25	1100	43	29000	2300	150	1.6
2001-12043	GSS-8	0-5	d	35	< 0.5	< 0.8	4900	10	79	42	11000	2300	160	2.5
2001-12049	GSS-9	0-5	d	73	< 0.5	1.8	9000	120	460	150	27000	5400	260	17
2001-12055	GSS-10	0-5	d	44	< 0.5	1.9	2900	68	1400	74	32000	2000	110	4.5
2001-12061	GSS-11	0-5	d	35	< 0.5	1.7	6000	29	210	55	15000	2400	190	5.3
2001-12067	GSS-12	0-5	d	37	< 0.5	< 0.8	3800	55	240	110	22000	3600	200	8
2001-12073	GSS-13	0-5	d	43	< 0.5	< 0.8	2700	38	730	53	28000	2900	170	3
2001-12079	GSS-14	0-5	d	44	< 0.5	2	8400	49	830	40	16000	3400	180	1.7
2001-12085	GSS-15	0-5	d	53	< 0.5	< 0.8	2100	26	660	38	20000	1500	120	< 1.5
2001-12091	GSS-16	0-5	d	45	< 0.5	1	2900	22	470	59	22000	2400	160	1.8
2001-12097	GSS-17	0-5	d	52	< 0.5	1.6	3500	35	800	41	22000	2000	280	1.7
2001-12103	GSS-18	0-5	d	33	< 0.5	< 0.8	1400	16	390	26	17000	1100	74	< 1.5
2001-12109	GSS-19	0-5	d	45	< 0.5	< 0.8	3100	41	470	86	31000	3500	190	4.1
2001-12115	GSS-20	0-5	d	46	< 0.5	< 0.8	1400	20	520	39	23000	1900	130	1.8
2001-12121	GSS-21	0-5	d	49	< 0.5	2.5	5100	70	1300	81	24000	2600	180	5.4
2001-12127	GSS-22	0-5	d	36	< 0.5	< 0.8	4700	9.9	52	43	11000	2300	160	< 1.5
2001-12133	GSS-23	0-5	d	30	< 0.5	< 0.8	3500	26	210	46	14000	1900	140	3.1
2001-12139	GSS-24	0-5	d	52	< 0.5	1.3	3100	44	1200	60	28000	2400	150	2.6
2001-12145	GSS-25	0-5	d	26	< 0.5	< 0.8	2200	8.8	93	27	11000	1700	120	< 1.5
2001-12151	GSS-26	0-5	d	20	< 0.5	< 0.8	1800	11	200	26	12000	1300	92	< 1.5
2001-12157	GSS-27	0-5	d	23	< 0.5	< 0.8	1500	11	260	29	13000	1400	120	< 1.5
2001-12163	GSS-28	0-5	d	27	< 0.5	< 0.8	1600	6.4	160	27	11000	1000	100	< 1.5
2001-12169	GSS-29	0-5	d	23	< 0.5	< 0.8	5200	6.2	66	29	9700	1800	96	< 1.5
2001-12175	GSS-30	0-5	d	48	< 0.5	< 0.8	910	13	470	28	16000	870	67	< 1.5
2001-12181	GSS-31	0-5	d	27	< 0.5	< 0.8	1200	7	220	26	10000	760	82	< 1.5
2001-12187	GSS-32	0-5	d	29	< 0.5	0.9	2600	19	170	43	14000	2600	160	3.6
2001-12193	GSS-33	0-5	d	48	< 0.5	2.7	3500	54	1600	60	29000	3000	150	2.9
2001-12000	GSS-1	0-5		41	< 0.5	< 0.8	5600	11	73	48	12000	2100	190	< 1.5
2001-12006	GSS-2	0-5		54	< 0.5	0.8	5300	19	320	49	17000	4100	180	1.6
2001-12012	GSS-3	0-5		31	< 0.5	1.4	3000	45	790	39	22000	2800	150	< 1.5
2001-12018	GSS-4	0-5		33	< 0.5	1	3900	25	530	46	17000	2000	160	< 1.5
2001-12024	GSS-5	0-5		43	< 0.5	< 0.8	5000	7.8	46	65	15000	3100	230	< 1.5
2001-12030	GSS-6	0-5		31	< 0.5	1.4	8900	38	550	33	14000	2600	160	< 1.5
2001-12036	GSS-7	0-5		96	< 0.5	1.2	7200	25	1100	50	28000	2100	150	1.5
2001-12042	GSS-8	0-5		39	< 0.5	1.2	5900	18	93	53	12000	2600	180	5.1
2001-12048	GSS-9	0-5		68	< 0.5	2.4	13000	76	390	130	27000	5900	260	15
2001-12054	GSS-10	0-5		50	< 0.5	2.5	3000	62	1400	82	31000	1900	130	5.3
2001-12060	GSS-11	0-5		32	< 0.5	2.1	5500	30	210	56	15000	2500	170	5.4
2001-12066	GSS-12	0-5		27	< 0.5	< 0.8	2800	41	180	63	20000	3800	190	4.9
2001-12072	GSS-13	0-5		48	< 0.5	0.9	2500	37	720	60	28000	3400	160	4.1
2001-12078	GSS-14	0-5		43	< 0.5	1.7	7900	38	630	34	14000	2400	150	< 1.5
2001-12084	GSS-15	0-5		55	< 0.5	< 0.8	2400	28	660	37	20000	1700	120	1.6
2001-12090	GSS-16	0-5		47	< 0.5	1	2600	28	740	56	21000	2900	150	2.8
2001-12096	GSS-17	0-5		46	< 0.5	1.4	2700	33	760	41	20000	1800	270	2.3
2001-12102	GSS-18	0-5		40	< 0.5	< 0.8	1700	15	440	36	17000	1400	72	< 1.5

Sample ID	Site	Depth		Ba	Be	Cd	Ca	Co	Cu	Cr	Fe	Mg	Mn	Mo
Detection Limit				20	1	0.8	50	10	20	20	100	50	50	1.5
MOE Guideline				750	1.2	12		40	225	750				40
		cm		µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
2001-12108	GSS-19	0-5		46	< 0.5	< 0.8	3500	13	47	77	18000	5400	260	1.6
2001-12114	GSS-20	0-5		45	< 0.5	< 0.8	1600	23	620	42	25000	2100	130	1.5
2001-12120	GSS-21	0-5		39	< 0.5	2.6	4700	76	1500	66	22000	2400	160	4.4
2001-12126	GSS-22	0-5		30	< 0.5	< 0.8	4000	10	56	38	10000	2000	140	1.5
2001-12132	GSS-23	0-5		26	< 0.5	< 0.8	3300	14	68	39	11000	1900	140	2.5
2001-12138	GSS-24	0-5		43	< 0.5	1.2	2500	37	1000	49	25000	2400	150	2
2001-12144	GSS-25	0-5		25	< 0.5	< 0.8	2300	8.6	83	28	9200	2300	110	< 1.5
2001-12150	GSS-26	0-5		19	< 0.5	< 0.8	1600	12	230	23	11000	1200	89	< 1.5
2001-12156	GSS-27	0-5		23	< 0.5	< 0.8	1600	14	310	25	15000	1300	110	< 1.5
2001-12162	GSS-28	0-5		21	< 0.5	< 0.8	1500	5.5	87	19	9600	950	95	< 1.5
2001-12168	GSS-29	0-5		21	< 0.5	< 0.8	4800	6.1	49	31	11000	2100	100	< 1.5
2001-12174	GSS-30	0-5		38	< 0.5	< 0.8	860	12	400	26	13000	780	59	< 1.5
2001-12180	GSS-31	0-5		29	< 0.5	< 0.8	1100	9.2	300	21	11000	820	74	< 1.5
2001-12186	GSS-32	0-5		27	< 0.5	1.1	2300	25	300	46	14000	2500	150	3.5
2001-12192	GSS-33	0-5		42	< 0.5	2.8	3300	54	1500	56	28000	3000	150	2.5
2001-12005	GSS-1	10-20	d	29	< 0.5	< 0.8	2700	16	240	43	15000	2200	130	< 1.5
2001-12011	GSS-2	10-20	d	41	< 0.5	< 0.8	2100	8.6	70	35	16000	3100	190	< 1.5
2001-12017	GSS-3	10-20	d	45	< 0.5	< 0.8	3600	16	310	83	47000	6500	280	< 1.5
2001-12023	GSS-4	10-20	d	56	< 0.5	< 0.8	3400	15	320	42	18000	1900	210	< 1.5
2001-12035	GSS-6	10-20	d	27	< 0.5	< 0.8	4100	4.8	47	33	12000	1600	120	< 1.5
2001-12041	GSS-7	10-20	d	110	< 0.5	< 0.8	2200	19	800	44	29000	2200	130	< 1.5
2001-12047	GSS-8	10-20	d	30	< 0.5	< 0.8	2600	5.4	42	29	11000	2300	140	< 1.5
2001-12053	GSS-9	10-20	d	56	< 0.5	< 0.8	5200	43	350	63	32000	4400	200	4.2
2001-12059	GSS-10	10-20	d	45	< 0.5	1.2	3700	33	440	37	14000	1600	120	< 1.5
2001-12065	GSS-11	10-20	d	48	< 0.5	< 0.8	4900	75	490	69	39000	4200	240	< 1.5
2001-12071	GSS-12	10-20	d	36	< 0.5	1.2	4000	57	280	100	22000	4200	210	8
2001-12077	GSS-13	10-20	d	54	< 0.5	< 0.8	2700	13	370	53	25000	2300	170	< 1.5
2001-12083	GSS-14	10-20	d	35	< 0.5	< 0.8	5100	8.4	100	33	10000	2800	160	< 1.5
2001-12089	GSS-15	10-20	d	57	< 0.5	< 0.8	2000	7.6	77	37	16000	2200	140	< 1.5
2001-12095	GSS-16	10-20	d	57	< 0.5	< 0.8	2800	6.9	130	51	21000	2200	170	< 1.5
2001-12101	GSS-17	10-20	d	31	< 0.5	< 0.8	2600	6.2	100	30	11000	1200	120	< 1.5
2001-12107	GSS-18	10-20	d	18	< 0.5	< 0.8	1100	2.7	67	23	10000	1400	69	< 1.5
2001-12113	GSS-19	10-20	d	45	< 0.5	< 0.8	2900	12	100	130	20000	5100	240	3.1
2001-12119	GSS-20	10-20	d	42	< 0.5	< 0.8	1300	6.8	240	34	16000	1400	110	< 1.5
2001-12125	GSS-21	10-20	d	44	< 0.5	< 0.8	3300	13	140	55	13000	2700	120	3.1
2001-12131	GSS-22	10-20	d	38	< 0.5	< 0.8	4000	6.6	31	32	11000	2400	190	< 1.5
2001-12137	GSS-23	10-20	d	33	< 0.5	< 0.8	3100	16	180	37	13000	2200	120	< 1.5
2001-12143	GSS-24	10-20	d	54	< 0.5	< 0.8	1800	7.1	130	45	17000	2200	170	< 1.5
2001-12149	GSS-25	10-20	d	23	< 0.5	< 0.8	1900	4.4	20	22	8700	1800	120	< 1.5
2001-12155	GSS-26	10-20	d	25	< 0.5	< 0.8	1900	5.1	54	27	11000	1700	110	< 1.5
2001-12161	GSS-27	10-20	d	32	< 0.5	< 0.8	2000	4.6	110	25	12000	1400	140	< 1.5
2001-12167	GSS-28	10-20	d	37	< 0.5	< 0.8	2000	4.3	41	28	12000	1700	140	< 1.5
2001-12173	GSS-29	10-20	d	19	< 0.5	< 0.8	1400	4.4	12	22	11000	1500	97	< 1.5
2001-12179	GSS-30	10-20	d	23	< 0.5	< 0.8	1300	3	20	22	8100	1200	77	< 1.5
2001-12185	GSS-31	10-20	d	25	< 0.5	< 0.8	1400	3.9	17	1100	12000	1200	120	< 1.5
2001-12191	GSS-32	10-20	d	31	< 0.5	< 0.8	2700	17	230	45	13000	2200	150	< 1.5
2001-12197	GSS-33	10-20	d	29	< 0.5	< 0.8	2400	12	69	34	13000	3400	140	< 1.5
2001-12004	GSS-1	10-20		47	< 0.5	0.9	3300	31	650	52	21000	2200	160	< 1.5
2001-12010	GSS-2	10-20		40	< 0.5	< 0.8	2000	9	90	41	16000	3000	170	< 1.5
2001-12016	GSS-3	10-20		42	< 0.5	< 0.8	2900	16	290	95	55000	7700	300	< 1.5
2001-12022	GSS-4	10-20		51	< 0.5	< 0.8	2800	16	360	41	17000	2300	160	< 1.5

Sample ID	Site	Depth		Ba	Be	Cd	Ca	Co	Cu	Cr	Fe	Mg	Mn	Mo
Detection Limit				20	1	0.8	50	10	20	20	100	50	50	1.5
MOE Guideline				750	1.2	12		40	225	750				40
		cm		µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
2001-12034	GSS-6	10-20		27	< 0.5	< 0.8	4100	4.9	58	35	12000	1900	120	< 1.5
2001-12040	GSS-7	10-20		110	< 0.5	< 0.8	2100	16	770	38	29000	1700	130	< 1.5
2001-12046	GSS-8	10-20		28	< 0.5	< 0.8	2600	5.4	40	31	11000	2200	140	< 1.5
2001-12052	GSS-9	10-20		54	< 0.5	< 0.8	5000	24	230	55	26000	4300	200	4
2001-12058	GSS-10	10-20		48	< 0.5	1.3	3700	41	530	50	14000	1700	140	< 1.5
2001-12070	GSS-12	10-20		39	< 0.5	< 0.8	3500	27	200	70	20000	3200	190	4.2
2001-12076	GSS-13	10-20		47	< 0.5	< 0.8	1700	13	390	39	21000	1800	140	< 1.5
2001-12082	GSS-14	10-20		31	< 0.5	< 0.8	5100	9.1	130	31	10000	2700	160	< 1.5
2001-12088	GSS-15	10-20		67	< 0.5	< 0.8	2500	7.9	84	42	16000	2700	160	< 1.5
2001-12094	GSS-16	10-20		57	< 0.5	< 0.8	1900	10	450	42	20000	1800	180	< 1.5
2001-12100	GSS-17	10-20		23	< 0.5	< 0.8	1800	5.3	120	23	12000	1100	100	< 1.5
2001-12106	GSS-18	10-20		17	< 0.5	< 0.8	1000	2.9	69	24	12000	1200	68	< 1.5
2001-12112	GSS-19	10-20		48	< 0.5	< 0.8	6200	26	360	120	21000	4100	230	3.6
2001-12118	GSS-20	10-20		43	< 0.5	< 0.8	1600	6.6	190	30	15000	1800	160	< 1.5
2001-12124	GSS-21	10-20		42	< 0.5	< 0.8	3800	15	140	54	12000	1700	93	4.2
2001-12130	GSS-22	10-20		34	< 0.5	< 0.8	3800	6.4	32	34	11000	2500	180	< 1.5
2001-12136	GSS-23	10-20		29	< 0.5	< 0.8	2600	16	150	34	15000	2000	120	< 1.5
2001-12142	GSS-24	10-20		47	< 0.5	< 0.8	1800	7.5	150	49	18000	2400	160	< 1.5
2001-12148	GSS-25	10-20		20	< 0.5	< 0.8	1600	5.4	42	25	9600	1700	100	< 1.5
2001-12154	GSS-26	10-20		22	< 0.5	< 0.8	1800	4.6	59	22	10000	1200	98	< 1.5
2001-12160	GSS-27	10-20		31	< 0.5	< 0.8	2000	5.1	80	27	10000	1500	150	< 1.5
2001-12166	GSS-28	10-20		34	< 0.5	< 0.8	2000	4.8	28	32	13000	1700	150	< 1.5
2001-12172	GSS-29	10-20		20	< 0.5	< 0.8	1700	4.3	9.5	24	9800	1500	100	< 1.5
2001-12178	GSS-30	10-20		23	< 0.5	< 0.8	1300	2.2	17	26	5500	1000	72	< 1.5
2001-12184	GSS-31	10-20		24	< 0.5	< 0.8	1500	4.4	45	30	11000	1400	110	< 1.5
2001-12190	GSS-32	10-20		22	< 0.5	< 0.8	2300	7.7	71	28	11000	2400	130	< 1.5
2001-12196	GSS-33	10-20		50	< 0.5	< 0.8	5000	20	93	27	10000	2300	110	< 1.5
2001-12003	GSS-1	5-10	d	26	< 0.5	< 0.8	2600	9.3	95	34	12000	1800	110	< 1.5
2001-12009	GSS-2	5-10	d	51	< 0.5	< 0.8	3000	12	150	48	20000	3200	240	< 1.5
2001-12015	GSS-3	5-10	d	36	< 0.5	< 0.8	2600	15	380	32	19000	2000	110	< 1.5
2001-12021	GSS-4	5-10	d	38	< 0.5	< 0.8	3600	26	490	43	15000	2200	130	< 1.5
2001-12027	GSS-5	5-10	d	43	< 0.5	< 0.8	4800	7.1	38	41	17000	3600	270	< 1.5
2001-12033	GSS-6	5-10	d	24	< 0.5	< 0.8	5100	8.9	110	39	10000	2600	130	< 1.5
2001-12039	GSS-7	5-10	d	110	< 0.5	< 0.8	2800	23	1000	44	33000	1800	130	< 1.5
2001-12045	GSS-8	5-10	d	31	< 0.5	< 0.8	3600	5.2	54	33	10000	2200	140	< 1.5
2001-12051	GSS-9	5-10	d	86	< 0.5	< 0.8	12000	150	380	110	74000	6900	250	7.3
2001-12057	GSS-10	5-10	d	51	< 0.5	1.5	4400	45	1200	47	17000	1700	150	< 1.5
2001-12063	GSS-11	5-10	d	34	< 0.5	< 0.8	4100	18	230	44	15000	2400	220	< 1.5
2001-12069	GSS-12	5-10	d	41	< 0.5	< 0.8	2600	38	140	86	19000	3600	190	5.1
2001-12075	GSS-13	5-10	d	44	< 0.5	< 0.8	2400	22	500	44	24000	2300	150	< 1.5
2001-12081	GSS-14	5-10	d	46	< 0.5	< 0.8	9500	20	280	42	12000	3300	240	< 1.5
2001-12087	GSS-15	5-10	d	65	< 0.5	< 0.8	2400	11	310	47	18000	1700	150	< 1.5
2001-12093	GSS-16	5-10	d	42	< 0.5	< 0.8	2300	8.6	260	52	21000	1900	150	< 1.5
2001-12099	GSS-17	5-10	d	64	< 0.5	1	5000	17	200	35	15000	1400	350	< 1.5
2001-12105	GSS-18	5-10	d	26	< 0.5	< 0.8	800	3.3	170	18	9000	670	53	< 1.5
2001-12111	GSS-19	5-10	d	44	< 0.5	< 0.8	2600	25	460	120	26000	3500	210	2.7
2001-12117	GSS-20	5-10	d	67	< 0.5	< 0.8	2100	12	450	45	22000	1700	150	< 1.5
2001-12123	GSS-21	5-10	d	41	< 0.5	< 0.8	4100	28	410	68	16000	2800	130	3.4
2001-12129	GSS-22	5-10	d	33	< 0.5	< 0.8	4100	5.5	30	32	10000	2100	160	< 1.5
2001-12135	GSS-23	5-10	d	30	< 0.5	< 0.8	3400	18	150	34	15000	1800	140	< 1.5
2001-12141	GSS-24	5-10	d	53	< 0.5	< 0.8	2400	13	370	43	22000	1600	190	< 1.5

**Table 4: Analytical Results**

Sample ID	Site	Depth		Ba	Be	Cd	Ca	Co	Cu	Cr	Fe	Mg	Mn	Mo
Detection Limit				20	1	0.8	50	10	20	20	100	50	50	1.5
MOE Guideline				750	1.2	12		40	225	750				40
		cm		µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
2001-12147	GSS-25	5-10	d	25	< 0.5	< 0.8	2300	5.1	42	28	9400	1700	130	< 1.5
2001-12153	GSS-26	5-10	d	23	< 0.5	< 0.8	1600	7.6	140	26	12000	1300	100	< 1.5
2001-12159	GSS-27	5-10	d	27	< 0.5	< 0.8	1900	6.6	160	27	13000	1400	160	< 1.5
2001-12165	GSS-28	5-10	d	33	< 0.5	< 0.8	1500	3.8	92	29	12000	1000	150	< 1.5
2001-12171	GSS-29	5-10	d	21	< 0.5	< 0.8	1800	3.8	19	21	9800	1200	91	< 1.5
2001-12177	GSS-30	5-10	d	24	< 0.5	< 0.8	1300	2.9	75	21	8700	840	83	< 1.5
2001-12183	GSS-31	5-10	d	28	< 0.5	< 0.8	1800	3.2	76	22	11000	910	120	< 1.5
2001-12189	GSS-32	5-10	d	32	< 0.5	< 0.8	2800	14	200	37	13000	2300	150	< 1.5
2001-12195	GSS-33	5-10	d	48	< 0.5	1.3	4200	27	500	51	17000	2800	130	< 1.5
2001-12002	GSS-1	5-10		27	< 0.5	< 0.8	3100	14	96	35	12000	1900	120	< 1.5
2001-12008	GSS-2	5-10		57	< 0.5	< 0.8	4300	12	210	44	19000	3500	220	< 1.5
2001-12014	GSS-3	5-10		37	< 0.5	< 0.8	2900	19	340	44	20000	3500	150	< 1.5
2001-12020	GSS-4	5-10		39	< 0.5	< 0.8	3200	15	430	42	17000	1900	150	< 1.5
2001-12032	GSS-6	5-10		26	< 0.5	< 0.8	6000	9.9	150	41	13000	2000	130	< 1.5
2001-12038	GSS-7	5-10		120	< 0.5	< 0.8	2700	25	1100	43	31000	2400	140	< 1.5
2001-12044	GSS-8	5-10		30	< 0.5	< 0.8	3500	5.3	36	36	10000	2200	130	< 1.5
2001-12050	GSS-9	5-10		55	< 0.5	0.8	10000	33	250	69	23000	5400	190	4.7
2001-12056	GSS-10	5-10		54	< 0.5	1.7	3400	37	1200	45	17000	1700	160	< 1.5
2001-12062	GSS-11	5-10		41	< 0.5	< 0.8	4200	23	240	47	19000	2600	250	1.6
2001-12068	GSS-12	5-10		39	< 0.5	< 0.8	3500	45	280	100	22000	3800	230	6.6
2001-12074	GSS-13	5-10		44	< 0.5	< 0.8	2300	24	580	46	23000	3000	160	< 1.5
2001-12080	GSS-14	5-10		44	< 0.5	< 0.8	9300	19	280	40	12000	3200	200	< 1.5
2001-12086	GSS-15	5-10		41	< 0.5	< 0.8	1500	6.6	150	43	17000	1500	170	< 1.5
2001-12092	GSS-16	5-10		60	< 0.5	< 0.8	2600	15	540	48	25000	2200	170	< 1.5
2001-12098	GSS-17	5-10		47	< 0.5	< 0.8	3700	14	140	32	13000	1200	260	< 1.5
2001-12104	GSS-18	5-10		20	< 0.5	< 0.8	830	2.2	130	21	9300	920	55	< 1.5
2001-12110	GSS-19	5-10		48	< 0.5	< 0.8	3800	18	190	120	19000	3700	220	3.4
2001-12116	GSS-20	5-10		59	< 0.5	< 0.8	1700	12	500	37	23000	1800	150	< 1.5
2001-12122	GSS-21	5-10		46	< 0.5	< 0.8	4200	21	280	88	19000	2500	150	4.4
2001-12128	GSS-22	5-10		34	< 0.5	< 0.8	3600	6.2	38	31	11000	3000	160	< 1.5
2001-12134	GSS-23	5-10		27	< 0.5	< 0.8	2800	6.7	47	32	11000	1600	120	< 1.5
2001-12140	GSS-24	5-10		44	< 0.5	< 0.8	1700	11	320	44	20000	1800	160	< 1.5
2001-12146	GSS-25	5-10		24	< 0.5	< 0.8	1900	4.9	33	25	10000	1800	110	< 1.5
2001-12152	GSS-26	5-10		21	< 0.5	< 0.8	1500	7.6	140	22	10000	970	81	< 1.5
2001-12158	GSS-27	5-10		31	< 0.5	< 0.8	2000	6.4	200	25	13000	1200	150	< 1.5
2001-12164	GSS-28	5-10		28	< 0.5	< 0.8	1800	3.2	51	28	13000	1200	150	< 1.5
2001-12170	GSS-29	5-10		19	< 0.5	< 0.8	1800	4.2	15	27	8100	1400	90	< 1.5
2001-12176	GSS-30	5-10		22	< 0.5	< 0.8	1100	1.9	74	19	9900	790	68	< 1.5
2001-12182	GSS-31	5-10		26	< 0.5	< 0.8	1600	6.4	160	21	12000	930	110	< 1.5
2001-12188	GSS-32	5-10		36	< 0.5	< 0.8	3600	17	280	34	14000	2100	180	< 1.5
2001-12194	GSS-33	5-10		45	< 0.5	1	4400	27	270	66	21000	4700	200	< 1.5



Table 4: Analytical Results

Sample ID	Site	Depth		Ni	Pb	Se	Sb	Sr	V	Zn
Detection Limit				20	20	1	0.8	20	20	25
MOE Guideline				150	200		13		200	600
		cm		µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
2001-12001	GSS-1	0-5	d	130	14	< 10	< 0.8	28	26	23
2001-12007	GSS-2	0-5	d	270	34	< 10	< 0.8	26	34	40
2001-12013	GSS-3	0-5	d	830	40	< 10	< 0.8	19	27	36
2001-12019	GSS-4	0-5	d	730	57	< 10	< 0.8	26	27	47
2001-12025	GSS-5	0-5	d	95	53	< 10	< 0.8	32	29	30
2001-12031	GSS-6	0-5	d	550	29	< 10	< 0.8	28	24	36
2001-12037	GSS-7	0-5	d	460	120	< 10	< 0.8	42	35	53
2001-12043	GSS-8	0-5	d	140	12	< 10	< 0.8	33	25	29
2001-12049	GSS-9	0-5	d	910	40	< 10	< 0.8	37	42	77
2001-12055	GSS-10	0-5	d	960	180	< 10	< 0.8	17	25	60
2001-12061	GSS-11	0-5	d	320	37	< 10	< 0.8	34	30	41
2001-12067	GSS-12	0-5	d	390	26	< 10	< 0.8	25	29	47
2001-12073	GSS-13	0-5	d	550	120	< 10	< 0.8	26	38	47
2001-12079	GSS-14	0-5	d	1200	44	< 10	< 0.8	27	33	62
2001-12085	GSS-15	0-5	d	450	58	< 10	< 0.8	26	32	35
2001-12091	GSS-16	0-5	d	340	46	< 10	< 0.8	28	40	37
2001-12097	GSS-17	0-5	d	630	71	< 10	< 0.8	26	38	41
2001-12103	GSS-18	0-5	d	300	56	< 10	< 0.8	17	23	18
2001-12109	GSS-19	0-5	d	470	2600	< 10	< 0.8	24	34	51
2001-12115	GSS-20	0-5	d	310	68	< 10	< 0.8	17	32	32
2001-12121	GSS-21	0-5	d	1400	63	< 10	< 0.8	28	34	55
2001-12127	GSS-22	0-5	d	100	10	< 10	< 0.8	35	27	26
2001-12133	GSS-23	0-5	d	220	33	< 10	< 0.8	32	27	24
2001-12139	GSS-24	0-5	d	820	89	< 10	< 0.8	27	40	47
2001-12145	GSS-25	0-5	d	100	11	< 10	< 0.8	18	24	17
2001-12151	GSS-26	0-5	d	180	26	< 10	< 0.8	16	24	19
2001-12157	GSS-27	0-5	d	190	37	< 10	< 0.8	16	23	21
2001-12163	GSS-28	0-5	d	100	26	< 10	< 0.8	21	24	16
2001-12169	GSS-29	0-5	d	80	11	< 10	< 0.8	15	24	14
2001-12175	GSS-30	0-5	d	280	82	< 10	< 0.8	12	23	20
2001-12181	GSS-31	0-5	d	150	25	< 10	< 0.8	15	21	14
2001-12187	GSS-32	0-5	d	210	23	< 10	< 0.8	20	25	25
2001-12193	GSS-33	0-5	d	1100	130	< 10	< 0.8	25	32	66
2001-12000	GSS-1	0-5		130	15	< 10	< 0.8	29	26	25
2001-12006	GSS-2	0-5		230	26	< 10	< 0.8	15	30	33
2001-12012	GSS-3	0-5		870	40	< 10	< 0.8	20	29	38
2001-12018	GSS-4	0-5		410	43	< 10	< 0.8	27	26	35
2001-12024	GSS-5	0-5		81	89	< 10	< 0.8	40	32	31
2001-12030	GSS-6	0-5		710	36	< 10	< 0.8	21	21	36
2001-12036	GSS-7	0-5		470	110	< 10	< 0.8	36	35	54
2001-12042	GSS-8	0-5		200	14	< 10	< 0.8	40	28	32
2001-12048	GSS-9	0-5		640	33	< 10	< 0.8	42	41	74
2001-12054	GSS-10	0-5		900	220	< 10	< 0.8	22	25	61
2001-12060	GSS-11	0-5		320	35	< 10	< 0.8	32	29	38
2001-12066	GSS-12	0-5		280	22	< 10	< 0.8	20	31	38
2001-12072	GSS-13	0-5		520	110	< 10	< 0.8	26	40	51
2001-12078	GSS-14	0-5		760	38	< 10	< 0.8	28	25	50
2001-12084	GSS-15	0-5		520	60	< 10	< 0.8	30	32	33
2001-12090	GSS-16	0-5		430	70	< 10	< 0.8	26	36	36
2001-12096	GSS-17	0-5		580	66	< 10	< 0.8	21	34	39
2001-12102	GSS-18	0-5		270	63	< 10	< 0.8	22	25	20

Table 4: Analytical Results

Sample ID	Site	Depth		Ni	Pb	Se	Sb	Sr	V	Zn
Detection Limit				20	20	1	0.8	20	20	25
MOE Guideline				150	200		13		200	600
		cm		µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
2001-12108	GSS-19	0-5		88	20	< 10	< 0.8	30	34	35
2001-12114	GSS-20	0-5		380	72	< 10	< 0.8	19	32	45
2001-12120	GSS-21	0-5		1600	61	< 10	< 0.8	24	30	56
2001-12126	GSS-22	0-5		100	11	< 10	< 0.8	27	24	20
2001-12132	GSS-23	0-5		120	11	< 10	< 0.8	31	26	20
2001-12138	GSS-24	0-5		670	77	< 10	< 0.8	24	37	42
2001-12144	GSS-25	0-5		98	10	< 10	< 0.8	19	24	17
2001-12150	GSS-26	0-5		200	25	< 10	< 0.8	15	23	19
2001-12156	GSS-27	0-5		240	51	< 10	< 0.8	17	23	22
2001-12162	GSS-28	0-5		60	13	< 10	< 0.8	20	22	12
2001-12168	GSS-29	0-5		72	10	< 10	< 0.8	19	26	15
2001-12174	GSS-30	0-5		250	70	< 10	< 0.8	12	24	17
2001-12180	GSS-31	0-5		180	34	< 10	< 0.8	13	20	14
2001-12186	GSS-32	0-5		310	66	< 10	< 0.8	17	25	31
2001-12192	GSS-33	0-5		1200	110	< 10	< 0.8	20	30	70
2001-12005	GSS-1	10-20	d	230	30	< 10	< 0.8	19	26	26
2001-12011	GSS-2	10-20	d	50	4.8	< 10	< 0.8	21	31	24
2001-12017	GSS-3	10-20	d	280	21	< 10	< 0.8	26	61	43
2001-12023	GSS-4	10-20	d	260	32	< 10	< 0.8	31	34	28
2001-12035	GSS-6	10-20	d	64	8.3	< 10	< 0.8	29	28	14
2001-12041	GSS-7	10-20	d	330	140	< 10	< 0.8	28	39	51
2001-12047	GSS-8	10-20	d	40	7.1	< 10	< 0.8	21	23	16
2001-12053	GSS-9	10-20	d	290	31	< 10	< 0.8	28	36	48
2001-12059	GSS-10	10-20	d	800	71	< 10	< 0.8	26	22	64
2001-12065	GSS-11	10-20	d	430	40	< 10	< 0.8	30	39	52
2001-12071	GSS-12	10-20	d	700	39	< 10	< 0.8	21	33	54
2001-12077	GSS-13	10-20	d	190	49	< 10	< 0.8	33	47	36
2001-12083	GSS-14	10-20	d	140	11	< 10	< 0.8	31	43	20
2001-12089	GSS-15	10-20	d	53	4.8	< 10	< 0.8	25	31	28
2001-12095	GSS-16	10-20	d	61	11	< 10	< 0.8	34	46	35
2001-12101	GSS-17	10-20	d	100	12	< 10	< 0.8	20	27	18
2001-12107	GSS-18	10-20	d	26	5.9	< 10	< 0.8	13	26	8
2001-12113	GSS-19	10-20	d	110	7	< 10	< 0.8	25	36	27
2001-12119	GSS-20	10-20	d	92	31	< 10	< 0.8	16	32	25
2001-12125	GSS-21	10-20	d	210	12	< 10	< 0.8	23	31	18
2001-12131	GSS-22	10-20	d	49	12	< 10	< 0.8	28	25	22
2001-12137	GSS-23	10-20	d	210	23	< 10	< 0.8	23	25	21
2001-12143	GSS-24	10-20	d	72	7.7	< 10	< 0.8	20	38	31
2001-12149	GSS-25	10-20	d	26	3.2	< 10	< 0.8	20	22	11
2001-12155	GSS-26	10-20	d	46	5.3	< 10	< 0.8	16	24	15
2001-12161	GSS-27	10-20	d	49	11	< 10	< 0.8	24	25	18
2001-12167	GSS-28	10-20	d	22	4.6	< 10	< 0.8	24	28	17
2001-12173	GSS-29	10-20	d	19	3.3	< 10	< 0.8	12	25	12
2001-12179	GSS-30	10-20	d	26	4.6	< 10	< 0.8	16	24	8.4
2001-12185	GSS-31	10-20	d	24	3.7	< 10	< 0.8	16	26	15
2001-12191	GSS-32	10-20	d	290	22	< 10	< 0.8	22	24	24
2001-12197	GSS-33	10-20	d	290	6.5	< 10	< 0.8	17	29	39
2001-12004	GSS-1	10-20		460	87	< 10	< 0.8	25	29	48
2001-12010	GSS-2	10-20		61	8.8	< 10	< 0.8	19	30	21
2001-12016	GSS-3	10-20		260	22	< 10	< 0.8	20	66	41
2001-12022	GSS-4	10-20		310	42	< 10	< 0.8	27	30	30

Table 4: Analytical Results

Sample ID	Site	Depth		Ni	Pb	Se	Sb	Sr	V	Zn
Detection Limit				20	20	1	0.8	20	20	25
MOE Guideline				150	200		13		200	600
		cm		µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
2001-12034	GSS-6	10-20		72	8.6	< 10	< 0.8	23	27	13
2001-12040	GSS-7	10-20		280	120	< 10	< 0.8	26	38	49
2001-12046	GSS-8	10-20		47	5.6	< 10	< 0.8	22	23	16
2001-12052	GSS-9	10-20		220	35	< 10	< 0.8	28	36	39
2001-12058	GSS-10	10-20		980	62	< 10	< 0.8	25	23	73
2001-12070	GSS-12	10-20		220	27	< 10	< 0.8	25	33	41
2001-12076	GSS-13	10-20		200	43	< 10	< 0.8	20	38	32
2001-12082	GSS-14	10-20		220	14	< 10	< 0.8	28	36	20
2001-12088	GSS-15	10-20		54	7.8	< 10	< 0.8	30	36	31
2001-12094	GSS-16	10-20		160	32	< 10	< 0.8	23	41	32
2001-12100	GSS-17	10-20		85	13	< 10	< 0.8	15	26	15
2001-12106	GSS-18	10-20		25	5.4	< 10	< 0.8	12	25	9.9
2001-12112	GSS-19	10-20		340	790	< 10	< 0.8	40	33	62
2001-12118	GSS-20	10-20		67	23	< 10	< 0.8	20	32	26
2001-12124	GSS-21	10-20		210	13	< 10	< 0.8	23	30	45
2001-12130	GSS-22	10-20		62	6.8	< 10	< 0.8	24	23	22
2001-12136	GSS-23	10-20		130	20	< 10	1.1	19	24	19
2001-12142	GSS-24	10-20		84	8.8	< 10	< 0.8	18	38	31
2001-12148	GSS-25	10-20		47	5.3	< 10	< 0.8	17	21	11
2001-12154	GSS-26	10-20		54	6.4	< 10	< 0.8	19	24	14
2001-12160	GSS-27	10-20		47	7.7	< 10	< 0.8	22	27	20
2001-12166	GSS-28	10-20		26	4.3	< 10	< 0.8	23	29	17
2001-12172	GSS-29	10-20		17	3.1	< 10	< 0.8	16	25	12
2001-12178	GSS-30	10-20		20	4.4	< 10	< 0.8	17	25	7.7
2001-12184	GSS-31	10-20		35	5.9	< 10	< 0.8	17	26	12
2001-12190	GSS-32	10-20		100	9.2	< 10	< 0.8	19	23	15
2001-12196	GSS-33	10-20		380	8.8	< 10	< 0.8	23	26	17
2001-12003	GSS-1	5-10	d	110	15	< 10	< 0.8	20	24	17
2001-12009	GSS-2	5-10	d	100	14	< 10	< 0.8	24	36	33
2001-12015	GSS-3	5-10	d	240	39	< 10	< 0.8	18	26	24
2001-12021	GSS-4	5-10	d	510	45	< 10	< 0.8	21	27	32
2001-12027	GSS-5	5-10	d	67	12	< 10	< 0.8	36	35	31
2001-12033	GSS-6	5-10	d	210	9	< 10	< 0.8	31	28	17
2001-12039	GSS-7	5-10	d	390	140	< 10	< 0.8	24	36	53
2001-12045	GSS-8	5-10	d	60	11	< 10	< 0.8	25	22	19
2001-12051	GSS-9	5-10	d	540	28	< 10	< 0.8	46	52	100
2001-12057	GSS-10	5-10	d	850	97	< 10	< 0.8	29	24	81
2001-12063	GSS-11	5-10	d	250	36	< 10	< 0.8	24	28	38
2001-12069	GSS-12	5-10	d	240	16	< 10	< 0.8	19	29	37
2001-12075	GSS-13	5-10	d	350	66	< 10	< 0.8	24	35	40
2001-12081	GSS-14	5-10	d	470	18	< 10	< 0.8	37	50	36
2001-12087	GSS-15	5-10	d	170	28	< 10	< 0.8	29	36	36
2001-12093	GSS-16	5-10	d	110	22	< 10	< 0.8	28	45	31
2001-12099	GSS-17	5-10	d	420	17	< 10	< 0.8	25	38	38
2001-12105	GSS-18	5-10	d	62	18	< 10	< 0.8	12	23	8.1
2001-12111	GSS-19	5-10	d	310	110	< 10	< 0.8	20	32	40
2001-12117	GSS-20	5-10	d	210	73	< 10	< 0.8	28	37	33
2001-12123	GSS-21	5-10	d	580	23	< 10	< 0.8	24	31	26
2001-12129	GSS-22	5-10	d	49	7.9	< 10	< 0.8	33	25	19
2001-12135	GSS-23	5-10	d	180	19	< 10	< 0.8	29	26	21
2001-12141	GSS-24	5-10	d	230	36	< 10	< 0.8	29	42	38

**Table 4: Analytical Results**

Sample ID	Site	Depth		Ni	Pb	Se	Sb	Sr	V	Zn
Detection Limit				20	20	1	0.8	20	20	25
MOE Guideline				150	200		13		200	600
		cm		µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
2001-12147	GSS-25	5-10	d	45	4.7	< 10	< 0.8	20	23	18
2001-12153	GSS-26	5-10	d	120	12	< 10	< 0.8	16	24	16
2001-12159	GSS-27	5-10	d	86	19	< 10	< 0.8	22	25	19
2001-12165	GSS-28	5-10	d	36	13	< 10	< 0.8	20	27	15
2001-12171	GSS-29	5-10	d	26	3.7	< 10	< 0.8	13	25	11
2001-12177	GSS-30	5-10	d	40	12	< 10	< 0.8	18	24	8.3
2001-12183	GSS-31	5-10	d	41	8.5	< 10	< 0.8	24	28	13
2001-12189	GSS-32	5-10	d	220	20	< 10	< 0.8	20	25	26
2001-12195	GSS-33	5-10	d	750	38	< 10	< 0.8	23	30	42
2001-12002	GSS-1	5-10		110	15	< 10	< 0.8	22	25	19
2001-12008	GSS-2	5-10		110	16	< 10	< 0.8	25	36	31
2001-12014	GSS-3	5-10		370	30	< 10	< 0.8	21	32	26
2001-12020	GSS-4	5-10		280	45	< 10	< 0.8	25	27	31
2001-12032	GSS-6	5-10		240	12	< 10	< 0.8	28	28	18
2001-12038	GSS-7	5-10		400	140	< 10	< 0.8	29	39	54
2001-12044	GSS-8	5-10		61	8.3	< 10	< 0.8	22	21	19
2001-12050	GSS-9	5-10		270	27	< 10	< 0.8	34	32	48
2001-12056	GSS-10	5-10		670	100	< 10	< 0.8	29	24	70
2001-12062	GSS-11	5-10		280	47	< 10	< 0.8	29	32	43
2001-12068	GSS-12	5-10		370	36	< 10	< 0.8	25	34	50
2001-12074	GSS-13	5-10		370	64	< 10	< 0.8	24	36	39
2001-12080	GSS-14	5-10		440	19	< 10	< 0.8	34	36	33
2001-12086	GSS-15	5-10		79	13	< 10	< 0.8	19	37	25
2001-12092	GSS-16	5-10		240	60	< 10	< 0.8	28	44	35
2001-12098	GSS-17	5-10		360	17	< 10	< 0.8	22	31	31
2001-12104	GSS-18	5-10		30	8.4	< 10	< 0.8	11	20	7.5
2001-12110	GSS-19	5-10		240	230	< 10	< 0.8	28	31	44
2001-12116	GSS-20	5-10		200	73	< 10	< 0.8	22	38	33
2001-12122	GSS-21	5-10		380	27	< 10	< 0.8	27	35	27
2001-12128	GSS-22	5-10		49	7.9	< 10	< 0.8	30	27	20
2001-12134	GSS-23	5-10		57	11	< 10	< 0.8	28	25	14
2001-12140	GSS-24	5-10		200	25	< 10	< 0.8	19	40	30
2001-12146	GSS-25	5-10		36	4.6	< 10	< 0.8	20	23	12
2001-12152	GSS-26	5-10		140	13	< 10	< 0.8	12	22	17
2001-12158	GSS-27	5-10		100	22	< 10	< 0.8	25	25	24
2001-12164	GSS-28	5-10		22	6.1	< 10	< 0.8	22	32	16
2001-12170	GSS-29	5-10		23	3.6	< 10	< 0.8	14	23	11
2001-12176	GSS-30	5-10		26	7.6	< 10	< 0.8	16	28	6.6
2001-12182	GSS-31	5-10		98	20	< 10	< 0.8	21	26	12
2001-12188	GSS-32	5-10		290	23	< 10	< 0.8	30	28	30
2001-12194	GSS-33	5-10		720	20	< 10	< 0.8	24	41	47

C (t) = Total Inorganic Carbon; CO<sub>3</sub> = Carbonate;  
Al = Aluminum; As = Arsenic; Ba = Barium; Be = Beryllium; Cd = Cadmium; Ca = Calcium; Co = Cobalt; Cu = Copper;  
Cr = Chromium; Fe = Iron; Mg = Magnesium; Mn = Manganese;  
Mo = Molybdenum; Ni = Nickel; Pb = Lead; Se = Selenium;  
Sb = Antimony; V = Vanadium; Z = Zinc  
d = duplicate sample

**Table 5: Analytical Results  
Arsenic, Cobalt, Copper, and Nickel**

Sample	Easting	Northing	0-5 cm				0-5 cm duplicate			
			As	Co	Cu	Ni	As	Co	Cu	Ni
			(µg/g)	(µg/g)	(µg/g)	(µg/g)	(µg/g)	(µg/g)	(µg/g)	(µg/g)
GSS-1	514457	5157956	5	11	73	130	6	11	83	130
GSS-2	514409	5158331	50	19	320	230	42	22	300	270
GSS-3	514442	5158154	57	45	790	870	56	41	690	830
GSS-4	514220	5158314	14	25	530	410	70	38	900	730
GSS-5	514076	5158166	5	7.8	46	81	5	8.9	51	95
GSS-6	514054	5158373	15	38	550	710	15	32	490	550
GSS-7	513836	5158493	200	25	1100	470	210	25	1100	460
GSS-8	514663	5157819	7	18	93	200	6	10	79	140
GSS-9	514626	5157692	17	76	390	640	23	120	460	910
GSS-10	514568	5157764	200	62	1400	900	220	68	1400	960
GSS-11	514494	5157660	16	30	210	320	16	29	210	320
GSS-12	514474	5157533	8.5	41	180	280	15	55	240	390
GSS-13	514220	5157462	158	37	720	520	140	38	730	550
GSS-14	514129	5157829	23	38	630	760	27	49	830	1200
GSS-15	513862	5158134	131	28	660	520	110	26	660	450
GSS-16	514076	5157818	110	28	740	430	75	22	470	340
GSS-17	513794	5157337	52	33	760	580	58	35	800	630
GSS-18	513443	5157479	121	15	440	270	59	16	390	300
GSS-19	514454	5158091	8	13	47	88	61	41	470	470
GSS-20	513595	5158182	120	23	620	380	120	20	520	310
GSS-21	514094	5157984	81	76	1500	1600	80	70	1300	1400
GSS-22	514509	5157870	5	10	56	100	8	9.9	52	100
GSS-23	514283	5157755	5	14	68	120	21	26	210	220
GSS-24	514096	5157567	144	37	1000	670	193	44	1200	820
GSS-25	513594	5157251	5	8.6	83	98	9	8.8	93	100
GSS-26	513098	5157386	24	12	230	200	26	11	200	180
GSS-27	513031	5157292	56	14	310	240	55	11	260	190
GSS-28	512645	5157177	23	5.5	87	60	39	6.4	160	100
GSS-29	512515	5157324	6	6.1	49	72	8	6.2	66	80
GSS-30	511952	5157242	64	12	400	250	74	13	470	280
GSS-31	511944	5157091	36	9.2	300	180	32	7	220	150
GSS-32	514519	5157740	21	25	300	310	13	19	170	210
GSS-33	514310	5158161	130	54	1500	1200	160	54	1600	1100

As = Arsenic;  
Co = Cobalt;  
Cu = Copper;  
Ni = Nickel

**Table 5: Analytical Results  
Arsenic, Cobalt, Copper, and Nickel**

Sample	Easting	Northing	5-10 cm				5-10 cm duplicate			
			As (µg/g)	Co (µg/g)	Cu (µg/g)	Ni (µg/g)	As (µg/g)	Co (µg/g)	Cu (µg/g)	Ni (µg/g)
GSS-1	514457	5157956	9	14	96	110	9	9.3	95	110
GSS-2	514409	5158331	32	12	210	110	24	12	150	100
GSS-3	514442	5158154	52	19	340	370	74	15	380	240
GSS-4	514220	5158314	56	15	430	280	63	26	490	510
GSS-5	514076	5158166					5	7.1	38	67
GSS-6	514054	5158373	8.6	9.9	150	240	13	8.9	110	210
GSS-7	513836	5158493	254	25	1100	400	280	23	1000	390
GSS-8	514663	5157819	5	5.3	36	61	7	5.2	54	60
GSS-9	514626	5157692	26	33	250	270	28	150	380	540
GSS-10	514568	5157764	190	37	1200	670	160	45	1200	850
GSS-11	514494	5157660	26	23	240	280	24	18	230	250
GSS-12	514474	5157533	17	45	280	370	9	38	140	240
GSS-13	514220	5157462	133	24	580	370	160	22	500	350
GSS-14	514129	5157829	19	19	280	440	24	20	280	470
GSS-15	513862	5158134	39	6.6	150	79	62	11	310	170
GSS-16	514076	5157818	140	15	540	240	43	8.6	260	110
GSS-17	513794	5157337	40	14	140	360	28	17	200	420
GSS-18	513443	5157479	10	2.2	130	30	28	3.3	170	62
GSS-19	514454	5158091	33	18	190	240	57	25	460	310
GSS-20	513595	5158182	140	12	500	200	140	12	450	210
GSS-21	514094	5157984	51	21	280	380	29	28	410	580
GSS-22	514509	5157870	5	6.2	38	49	9	5.5	30	49
GSS-23	514283	5157755	12	6.7	47	57	8	18	150	180
GSS-24	514096	5157567	70	11	320	200	120	13	370	230
GSS-25	513594	5157251	10	4.9	33	36	5	5.1	42	45
GSS-26	513098	5157386	16	7.6	140	140	12	7.6	140	120
GSS-27	513031	5157292	41	6.4	200	100	36	6.6	160	86
GSS-28	512645	5157177	6	3.2	51	22	19	3.8	92	36
GSS-29	512515	5157324	5	4.2	15	23	5	3.8	19	26
GSS-30	511952	5157242	9	1.9	74	26	10	2.9	75	40
GSS-31	511944	5157091	27	6.4	160	98	10	3.2	76	41
GSS-32	514519	5157740	21	17	280	290	20	14	200	220
GSS-33	514310	5158161	37	27	270	720	44	27	500	750

As = Arsenic;  
Co = Cobalt;  
Cu = Copper;  
Ni = Nickel

**Table 5: Analytical Results  
Arsenic, Cobalt, Copper, and Nickel**

Sample	Easting	Northing	10-20 cm				10-20 cm duplicate			
			As	Co	Cu	Ni	As	Co	Cu	Ni
			(µg/g)	(µg/g)	(µg/g)	(µg/g)	(µg/g)	(µg/g)	(µg/g)	(µg/g)
GSS-1	514457	5157956	97	31	650	460	24	16	240	230
GSS-2	514409	5158331	13	9	90	61	5	8.6	70	50
GSS-3	514442	5158154	37	16	290	260	29	16	310	280
GSS-4	514220	5158314	89	16	360	310	45	15	320	260
GSS-5	514076	5158166								
GSS-6	514054	5158373	5	4.9	58	72	7	4.8	47	64
GSS-7	513836	5158493	270	16	770	280	297	19	800	330
GSS-8	514663	5157819	5	5.4	40	47	9	5.4	42	40
GSS-9	514626	5157692	45	24	230	220	34	43	350	290
GSS-10	514568	5157764	160	41	530	980	150	33	440	800
GSS-11	514494	5157660					33	75	490	430
GSS-12	514474	5157533	17	27	200	220	19	57	280	700
GSS-13	514220	5157462	190	13	390	200	190	13	370	190
GSS-14	514129	5157829	19	9.1	130	220	21	8.4	100	140
GSS-15	513862	5158134	10	7.9	84	54	5.5	7.6	77	53
GSS-16	514076	5157818	61	10	450	160	15	6.9	130	61
GSS-17	513794	5157337	22	5.3	120	85	24	6.2	100	100
GSS-18	513443	5157479	7	2.9	69	25	7	2.7	67	26
GSS-19	514454	5158091	42	26	360	340	11	12	100	110
GSS-20	513595	5158182	69	6.6	190	67	57	6.8	240	92
GSS-21	514094	5157984	40	15	140	210	18	13	140	210
GSS-22	514509	5157870	7	6.4	32	62	5	6.6	31	49
GSS-23	514283	5157755	15	16	150	130	12	16	180	210
GSS-24	514096	5157567	13	7.5	150	84	9	7.1	130	72
GSS-25	513594	5157251	5	5.4	42	47	5	4.4	20	26
GSS-26	513098	5157386	5	4.6	59	54	5	5.1	54	46
GSS-27	513031	5157292	16	5.1	80	47	16	4.6	110	49
GSS-28	512645	5157177	5	4.8	28	26	6	4.3	41	22
GSS-29	512515	5157324	5	4.3	9.5	17	5	4.4	12	19
GSS-30	511952	5157242	5	2.2	17	20	5	3	20	26
GSS-31	511944	5157091	5	4.4	45	35	5	3.9	17	24
GSS-32	514519	5157740	11	7.7	71	100	21	17	230	290
GSS-33	514310	5158161	14	20	93	380	16	12	69	290

As = Arsenic;  
Co = Cobalt;  
Cu = Copper;  
Ni = Nickel