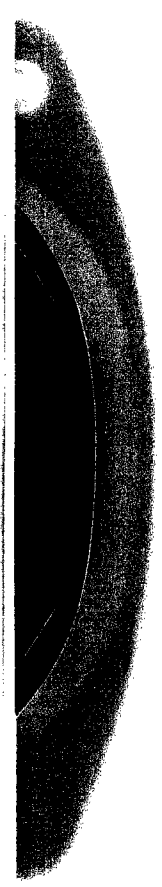


YEIP

04-043

2004



GEOPHYSICAL / SOIL SURVEY

REPORT

YMIP 04-043

May Creek 1- 40 CLAIMS

GRANT # YC11556- YC11595

NTS # 115 P \ 15

LAT: 63°46' N

LONG: 136°44' W

MAYO MINING DISTRICT

AUTHOR OF REPORT SHAWN RYAN

WORK PERFORMED JULY 12 – JULY 21, 2004

DATE OF REPORT JANUARY 25, 2005

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1.0 Summary

The May Creek Project area was targeted for Intrusion related skarn type targets. A flagged grid was established and 44 kilometers of magnetic surveys was complete over the property. A total of 300 soil where taken across known anomalous soil anomalies. Soil sampling revealed anomalous copper, zinc and gold associated with a magnetic low area.

2.0 PROJECT LOCATION

May Creek Project is located on the May 1-40 claims.

The May Creek Project is located 45 kilometers northeast of Mayo. The claims lie in the Mayo Mining District, on NTS # 115 P /15 at the latitude 63°46'N and longitude 136°44'W.

3.0 ACCESS

The May target is accessible by helicopter from Dawson City or Mayo. There is several old bulldozer trails leading to the property but they are all currently impassable.

4.0 EXPLORATION TARGET

DEPOSIT TYPE

The model deposit for the May Project is intrusion related gold, copper skarn, with mineralization found in the limy horizon of the Hyland Group.

5.0 Geology

Regional Geology (*Excerpt from Diane S. Emond, Yukon Geology Volume #3*)

The McQuesten River region lies in Selwyn Basin, within the Omineca Crystalline Belt of the Canadian Cordillera. North American miogeoclinal rocks of the late Proterozoic-Early Cambrian Hyland Group (formally known as the Grit Unit) were thrust northward onto Ordovician to Silurian Road River Formation and Missipian Keno Hill Quartzite during Late Triassic to Early Jurassic arc-continent collision. Thrusting formed a prominent east-northeast-striking cataclastic foliation, as well as the McQuesten Anticline, the limbs of which dip north and south at a shallow angle (Boyle 1965).

Felsic intrusion was emplaced in the metasedimentary rocks of the ancient continental margin in the mid-Cretaceous (83 to 108 Ma; biotite, K/Ar) and coeval lavas were extruded (85 Ma; whole rock, K/Ar). Igneous rocks from the McQuesten River region have high initial Sr isotope ratios indicating addition of radiogenic Sr from sialic Precambrian crust. Field relations and regional geology show that the plutons were emplaced at a high level in Precambrian to Paleozoic sialic crust after a period of major deformation related to arc-continent collision. However, the coincidence of the siute along the McQuesten Anticline may indicate that some crustal warping was due to plutonism, and large batholiths may underlie the area.

Geology of the May Claims

According to Don Murphy "Geological map of Sprague Creek area Western Selwyn Basin, Yukon " situated on NTS 115P/15, Don indicates that the property lays predominately in the Upper Proterozoic-Lower Cambrian, Hyland Group. In the Hyland Group, Don Murphy place the rocks in the Yusezyu Formation (in Tombstone Strain Zone): prominently foliated and lineated muscovite-chlorite phyllite, quartzofeldspathic and micaceous psammite, gritty psammite, rare calc-silicate rock and marble. The Hyland group is intruded by granite intrusion of the Tombstone suite. Don personal field map indicates skarn mineralization sitting on the eastern contact of the Bostock Tombstone Intrusion. Don also indicates on his personal field map that there are limy horizons found in the Hyland Group along the western contact of the Bostock Intrusion.

6.0 Work Program / Methods

6.1 Grid Work

A total of 46 kilometers of grid was established using Garmin GPS 76 instruments. The beauty of Garmin 76 GPS are that they have a left right function and can keep you right on track within a ± 5 meters error. Station where flagged using Artic orange flagging tape and marked with black permanent markers as to the line and station co-ordinates. In total 1840 station where established. The grid lines ran in a northeast direction with the intension to cross the regional magnetic anomaly at a 90-degree angle.

6.2 Magnetic Survey

The magnetic survey was conducted across the entire grid. The survey uses two Envi-Mag, Scintrex magnetometers. One is the portable field unit and the second is a base station magnetometer that records reading every 10 seconds at a stationary position for the entire survey. The base station monitors the earth daily magnetic drift. At the end of each daily survey both the field and base station magnetometers are plugged in together and the daily drift is corrected out of the field mag.

Only the corrected data is used to plot the survey results. The field survey took reading every 12.5 meters for a total of 3520 readings.

6.3 Soil Survey

A total of 300 soil sample where taken using one-meter soil augers. All sample where extracted at an average depth of 50-60 centimeters. All sample where placed in paper Kraft soil bags. About a 400 gram sample is collected at each site. Soil color, depth, slope, dampness, GPS location and quality were noted in field books. All soil sample where sent to Acme Labs in Vancouver to process. Sample where process with Aqua Regia ICP-MS for 36 elements.

6.3 Rock Survey

A total of 46 rocks where collected across the property. All rock sample site where marked in the field with orange flagging and rock sample number was noted with a permanent black marker. Sample where placed in plastic rock sample bags and sample number where inscribe on the bag. The rock sample description and UTM location was noted in field books plus in GPS.

7.0 Results / Interpretation

Magnetic Survey

The Magnetic Survey revealed three magnetic anomalies. Anomaly A is located in the northern part of the grid. The Anomaly is a magnetic high probably related to Tombstone Intrusive. Anomaly B is located south center part of the grid. It's located on Tombstone intrusive granite stock. Anomaly C is a large magnetic low associated with skarn mineralization and quartz breccias. This anomaly seems to be the most interesting and should be followed up with more magnetic work.

Soil Survey

The soil survey revealed a large area of 500 meters by 500 meters of anomalous soil in zinc. The zinc soil anomaly is also anomalous in arsenic, copper and gold. The nature of the soil anomaly match the geochemistry of certain selected rock found such as skarn mineralization anomalous in gold, zinc and copper. There also quartz breccias found that ran up to 5.1 g/t Au, 8% Pb and 402 g/t Ag.

Rock Survey

Prospecting the May Creek area revealed lots of manganese associated with cal silicate skarn. The rock ran anomalous surprisingly in zinc (5.4%), copper (1.1%), and gold (1.1 g/t). There was also quartz breccias vein found in old cat trenches that ran 5.1 g/t Au, 8 % Pb and 402 g/t Ag.

The cal silicate skarn rocks anomalous in zinc , copper and gold seem to be associated with the magnetic low trend seen on the magnetic survey map.

8.0 Recommendations

I would recommend follow up work on the magnetic low zone. I would propose expanding the grid in a northwest direction. A magnetic survey should be conducted followed by detail soil on a 50 meters station spacing. This should help define the extent of the magnetic and soil anomaly.

May Creek 2004 Soil Survey

GPS Soil ID	UTM System	Easting	Northing
MA00-000	UTM NAD 83-8V	416031	7071306
MA00-100N	UTM NAD 83-8V	416113	7071361
MA00-100S	UTM NAD 83-8V	415936	7071237
MA00-200N	UTM NAD 83-8V	416196	7071415
MA00-200S	UTM NAD 83-8V	415859	7071190
MA00-300N	UTM NAD 83-8V	416278	7071465
MA00-400N	UTM NAD 83-8V	416364	7071521
MA01-000	UTM NAD 83-8V	415971	7071383
MA01-100N	UTM NAD 83-8V	416052	7071442
MA01-100S	UTM NAD 83-8V	415880	7071332
MA01-200N	UTM NAD 83-8V	416127	7071490
MA01-200S	UTM NAD 83-8V	415804	7071279
MA01-300N	UTM NAD 83-8V	416218	7071554
MA01-400N	UTM NAD 83-8V	416306	7071620
MA02-000	UTM NAD 83-8V	415913	7071466
MA02-100N	UTM NAD 83-8V	416001	7071525
MA02-100S	UTM NAD 83-8V	415841	7071405
MA02-200N	UTM NAD 83-8V	416078	7071570
MA02-200S	UTM NAD 83-8V	415753	7071354
MA02-300N	UTM NAD 83-8V	416171	7071630
MA02-400N	UTM NAD 83-8V	416247	7071687
MA03-000	UTM NAD 83-8V	415862	7071543
MA03-100N	UTM NAD 83-8V	415944	7071611
MA03-100S	UTM NAD 83-8V	415775	7071489
MA03-200N	UTM NAD 83-8V	416024	7071660
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MA03-400N	UTM NAD 83-8V	416190	7071777
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MA0704S02	UTM NAD 83-8V	415093	7072155
MA0704S03	UTM NAD 83-8V	415133	7072037
MA0704S04	UTM NAD 83-8V	415381	7073207
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MA0704S06	UTM NAD 83-8V	417286	7072437
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MA10-1500N	UTM NAD 83-8V	416736	7072955
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MA10-300N	UTM NAD 83-8V	415728	7072298
MA10-400N	UTM NAD 83-8V	415809	7072355
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MA11-400N	UTM NAD 83-8V	415754	7072436
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MA7-200S	UTM NAD 83-8V	415473	7071781
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MA9-1550N	UTM NAD 83-8V	416824	7072904
MA9-1600N	UTM NAD 83-8V	416863	7072929
MA9-200N	UTM NAD 83-8V	415696	7072172
MA9-200S	UTM NAD 83-8V	415371	7071961
MA9-300N	UTM NAD 83-8V	415771	7072219
MA9-400N	UTM NAD 83-8V	415863	7072278
MA950-000	UTM NAD 83-8V	415505	7072094
MA950-050S	UTM NAD 83-8V	415464	7072064
MA950-100S	UTM NAD 83-8V	415412	7072053
MA950-150S	UTM NAD 83-8V	415380	7072010
MA950-200S	UTM NAD 83-8V	415331	7071995
MAIF-001	UTM NAD 83-8V	414887	7073302
MAIF-002	UTM NAD 83-8V	414899	7073366
MAIF-003	UTM NAD 83-8V	414777	7073611
MAIF-004	UTM NAD 83-8V	414682	7074072
MAIF-005	UTM NAD 83-8V	415052	7074492
MAIF-006	UTM NAD 83-8V	415067	7074511
MAIF-007	UTM NAD 83-8V	415124	7074535
MAIF-008	UTM NAD 83-8V	415162	7074552
MAIF-009	UTM NAD 83-8V	415353	7074636
MAIF-010	UTM NAD 83-8V	415487	7074717
MAIF-011	UTM NAD 83-8V	415523	7074725
MAIF-012	UTM NAD 83-8V	415560	7074739
MAIF-013	UTM NAD 83-8V	415597	7074753
MAIF-014	UTM NAD 83-8V	415681	7074838
MAIF-015	UTM NAD 83-8V	415712	7074878

MAIF-016	UTM NAD 83-8V	415703	7074912
MAIF-017	UTM NAD 83-8V	415734	7074944
MAIF-018	UTM NAD 83-8V	415751	7074977
MAIF-019	UTM NAD 83-8V	415761	7075014
QUIF-001A	UTM NAD 83-8V	411704	7072568
QUIF-001B	UTM NAD 83-8V	411718	7072574
QUIF-002	UTM NAD 83-8V	411757	7072621
QUIF-003	UTM NAD 83-8V	411853	7072643
QUIF-004	UTM NAD 83-8V	411990	7072639
QUIF-005	UTM NAD 83-8V	412109	7072395
QUIF-006	UTM NAD 83-8V	412009	7072357
QUIF-007	UTM NAD 83-8V	412089	7072308
QUIF-008	UTM NAD 83-8V	412128	7072372
QUIF-009	UTM NAD 83-8V	412268	7072270
QUIF-010	UTM NAD 83-8V	412435	7072310
QUIF-011	UTM NAD 83-8V	412748	7072128

May Creek 2004 Rock Samples

ELEMENT SAMPLES	EASTING	NORTHING	NOTES	Nad 83
MA0704 R01	415451	7071890	Float skarn	
MA0704 R02	415197	7072429	Trench skarn, north end of trench, Cu	
MA0704 R02E	415190	7072425	Trench skarn, south end of trench, Cu	
MA0704 R03	415053	7072661	Float, quartz breccia, Pb	
MA0704 R04	415036	7072716	Trench, Subcrop, skarn, pyrite	
MA0704 R04E	415036	7072716	Trench, Subcrop, skarn, pyrite	
MA0704 R05	415042	7072706	Trench, Float, large quartz vein, manganese stained	
MA0704 R06	415046	7072733	Trench, Float, subcrop, minor quartz vein	
MA0704 R07	414657	7072779	Trench, Subcrop, skarn, pyrite	
MA0704 R08	415181	7072300	Float, granite with quartz vein, creek draw north side of cu trench	
MA0704 R09	415163	7072216	Float, granite with quartz vein	
MA0704 R10	415147	7072198	Outcrop, skarn,	
MA0704 R11	415162	7072668	Trench, subcrop, quartz breccia, Mg, Pb, Py	
MA0704 R12	415251	7072948	Outcrop, cal silicate slightly magnetic malachite stained	
MA0704 R12E	415251	7072948	Outcrop, cal silicate, malachite stained	
MA0704 R13	415309	7072979	Subcrop, cal-silicate skarn	
MA0704 R14	416597	7073180	Float, ridge top, lots of quartz vein	
MA0704 R15	416773	7073145	Float, subcrop, skarn visible sulphides	
MA0704 R16	416867	7073136	Outcrop, quartz vein, 2 meter wide, no sulphides	
MA0704 R17	417285	7072436	Float, granite	
MA0704 R18	416698	7072438	Float, rusty mafic sediments	
MA0704 R19	416238	7072146	Float, on flat plateau, breccia quartz, rusty malachite stained	
MA0704 R20	414803	7072893	Float, skarn, green, slightly magnetic	
MA0704 R21	414889	7073296	Float, road, large peroxine skarn, po	
MA0704 R22	414739	7073609	Float, side hill, large 3 ft by 1.5 ft angular rock, quartz pebble conglomerate with quartz ve	
MA0704 R23	414648	7073973	Trench, quartz breccia, Pb	
MA0704 R24	414916	7074457	Float, quartz manganese breccia, Pb	
MA0704 R24E	414924	7074460	Float, quartz manganese breccia, Pb, As	
MA0704 R25	415495	7074693	Outcrop, Skarn, massive Rusty pyrrhotite	
MA0704 R26	415662	7074790	Outcrop, Skarn rusty pyrrhotite	
MA0704 R27	415705	7074824	Outcrop, quartz vein 2 ft thick in sediments, copper	
MA0704 R28	412111	7072395	Trench, outcrop, manganese stain	
QU0704 R29	411855	7072638	Trench, Float, rusty manganese stained sediments	
QU0704 R30	412028	7072358	Trench, Float, fracture quartz flooded sediments	
QU0704 R31	412752	7072130	Trench, outcrop, top of hill manganese quartz mica sediments	
MA0704 R32	415277	7072349	Trench, Float, peroxine skarn some pyrrhotite and Cu	
MA0704 R33	415267	7072383	Float, lower main skarn showing, lighter green with manganese	
MA0704 R34	415115	7072734	Trench, outcrop, bottom of trench, manganese stain sediments maby skarn	
MA0704 R35	415116	7072731	Trench, subcrop, quartz breccia manganese stained Pb visible and maby As	
MA0704 R36	415199	7072739	Trench, subcrop, rusty limonite clay altered silicious sediments	
MA0704 R37	415189	7072738	Trench, outcrop, manganese skarn	
MA0704 R38	415170	7072759	Trench, outcrop, skarn sediments, heavy manganese stained	
MA0704 R39	415171	7072757	Trench, outcrop, quartz manganese breccia next to skarn	
MA0704 R40	415137	7072787	Trench, outcrop, skarn manganese and copper stained	
MA0704 R41	415169	7072684	Trench, float, quartz breccia minor sulphide Pb	
MA0704 R42	415146	7072508	Float, skarn, visible Cu, found on road	



GEOCHEMICAL ANALYSIS CERTIFICATE

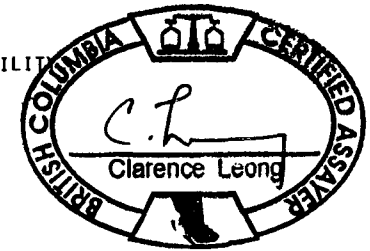


Ryanwood Exploration Inc. File # A405753 Page 1
Box 213, Dawson City YT Y0B 1G0

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MA00-400N	1.2	32.1	15.1	82	.2	22.5	12.1	479	2.38	23.7	1.1	7.4	1.9	11	.4	.9	1.3	47	.14	.088	16	24.6	.40	111	.028	1	1.08	.005	.05	1.8	.04	1.7	.2	<.05	4	.9
MA00-300N	.9	29.3	12.2	68	.1	20.8	8.8	338	2.38	15.2	1.0	7.2	2.8	10	.3	.8	.9	40	.12	.062	15	22.5	.39	123	.028	<1	1.13	.005	.05	1.4	.03	1.7	.2	<.05	3	.8
MA00-200N	.8	12.6	14.3	43	.1	12.5	4.4	170	1.98	11.9	.4	1.3	1.9	5	.2	.6	.3	38	.04	.027	11	16.8	.24	45	.028	<1	.86	.003	.03	.3	.03	1.1	.2	<.05	4	.5
MA00-100N	.6	27.9	28.4	67	.2	19.5	6.1	214	2.11	22.1	.8	2.6	4.7	10	.2	.9	.6	33	.13	.056	19	21.4	.39	83	.028	<1	1.17	.004	.07	.3	.03	1.8	.3	<.05	3	.6
MA00-000	.8	27.5	9.2	67	.1	26.0	11.3	335	2.36	41.2	.7	2.7	8.6	11	.2	.9	.5	36	.08	.031	22	25.4	.47	125	.033	<1	1.46	.006	.17	.4	.03	2.1	.3	<.05	5	.6
MA00-100S	.8	21.1	12.4	60	.1	18.0	8.9	442	2.32	25.6	1.0	6.3	2.5	9	.2	.9	.3	37	.09	.055	18	20.8	.37	124	.026	<1	1.21	.005	.06	.3	.04	1.8	.2	<.05	4	.7
MA00-200S	.8	20.8	12.3	55	.3	14.6	5.8	232	2.10	36.9	1.0	3.4	1.0	8	.2	.8	.3	32	.06	.045	16	18.7	.31	114	.015	1	1.09	.004	.05	.3	.04	1.2	.2	<.05	4	.7
MA01-400N	1.8	123.9	13.6	99	.7	18.2	20.8	510	3.61	355.2	3.0	33.2	8.3	43	.6	1.4	4.0	47	.11	.086	26	32.2	.52	161	.057	<1	1.46	.018	.27	9.9	.06	3.9	.7	.14	5	.7
MA01-300N	1.1	39.9	14.5	96	.3	25.9	12.3	560	2.62	20.9	1.4	8.1	6.2	15	.5	1.2	1.7	43	.17	.080	26	25.8	.43	144	.043	1	1.14	.005	.09	2.6	.05	2.4	.3	<.05	4	.6
MA01-200N	.8	25.9	16.4	72	.3	17.1	6.6	328	2.10	31.8	.9	3.6	2.8	8	.3	1.1	.8	34	.08	.045	20	19.9	.31	74	.023	1	1.00	.004	.06	.4	.04	1.4	.4	<.05	3	.5
MA01-100N	.9	20.3	9.8	49	<.1	18.5	7.4	272	2.34	14.0	.6	2.5	2.1	6	.1	.7	.2	33	.05	.033	14	17.9	.31	71	.022	<1	1.00	.003	.05	.2	.04	1.2	.2	<.05	4	<.5
MA01-000	.5	45.7	12.2	85	.1	39.9	16.2	635	3.45	49.0	1.3	2.7	11.0	8	.1	.9	.7	43	.07	.033	33	40.2	.75	126	.034	2	2.17	.005	.35	.5	.02	3.5	1.0	<.05	7	<.5
MA01-100S	1.1	130.5	11.1	67	.7	21.9	6.6	248	2.53	114.2	1.2	4.3	.5	13	.2	.7	2.6	43	.10	.080	20	25.6	.36	124	.017	1	1.38	.006	.11	.4	.07	.8	.4	<.05	6	.7
MA01-200S	1.0	30.2	12.5	61	.4	18.8	6.7	295	2.56	91.4	1.0	5.0	.6	7	.2	.7	.6	44	.06	.055	15	24.4	.36	101	.017	2	1.33	.004	.05	.4	.05	1.1	.3	<.05	4	.6
MA02-400N	1.5	69.6	15.1	86	.5	23.1	13.2	481	2.68	104.0	1.6	29.5	3.8	16	.5	.9	4.0	39	.14	.078	18	25.0	.41	126	.034	1	1.16	.008	.10	7.9	.06	2.0	.4	<.05	4	.7
MA02-300N	1.0	37.4	31.5	101	.4	25.6	12.4	672	2.70	37.7	1.4	12.1	3.5	11	.7	1.2	1.1	40	.12	.066	22	27.6	.42	181	.027	2	1.24	.006	.08	.7	.04	1.9	.3	<.05	4	.6
MA02-200N	.9	42.1	11.6	87	.2	30.0	13.3	531	2.88	41.0	1.3	10.8	7.0	16	.3	.9	.9	42	.17	.068	28	28.0	.48	145	.043	<1	1.43	.006	.14	.9	.03	2.3	.3	<.05	4	<.5
MA02-100N	1.3	43.7	10.9	75	.6	26.0	12.4	436	2.49	47.0	1.3	57.8	5.0	15	.3	1.0	.7	40	.18	.079	24	23.9	.48	118	.037	1	1.24	.007	.09	1.7	.04	2.1	.3	<.05	4	.7
RE MA02-100N	1.1	43.6	9.9	77	.6	26.2	13.1	454	2.52	43.7	1.2	9.3	4.6	15	.3	1.0	.6	42	.17	.078	24	24.9	.46	123	.037	1	1.25	.007	.09	1.3	.04	2.0	.3	<.05	4	.6
MA02-000	1.2	30.1	10.7	74	.1	26.1	10.2	306	2.63	16.6	.9	2.0	3.8	13	.1	.8	.4	49	.14	.058	15	30.6	.54	175	.038	1	1.74	.007	.11	.5	.03	2.6	.4	<.05	5	.7
MA02-100S	.7	36.6	12.7	76	1.0	21.0	9.5	342	2.62	267.4	.9	25.4	4.5	14	.3	3.3	1.6	30	.06	.041	21	21.9	.40	95	.013	1	1.25	.004	.09	.5	.04	1.7	.6	<.05	4	<.5
MA02-200S	1.1	31.6	11.4	69	.2	24.4	9.7	379	2.81	65.0	1.1	6.9	1.6	10	.2	.9	.8	44	.07	.056	21	28.3	.43	160	.021	1	1.55	.004	.11	.7	.05	1.5	.5	<.05	6	.6
MA03-400N	1.1	39.5	16.8	77	.8	18.6	7.5	333	2.41	39.7	1.1	8.7	1.2	10	.3	.9	1.5	43	.09	.048	18	25.5	.40	103	.031	1	1.31	.005	.08	1.6	.04	1.5	.4	<.05	4	.5
MA03-300N	1.3	61.8	46.5	128	1.3	28.8	17.9	1081	2.96	136.6	1.6	14.3	4.4	13	1.0	1.2	3.0	40	.13	.072	25	28.3	.43	144	.032	<1	1.43	.006	.10	3.0	.06	2.5	.4	<.05	5	.6
MA03-200N	1.1	38.9	15.2	72	.2	21.3	10.1	430	2.61	25.7	1.2	8.3	3.7	11	.2	.8	1.0	42	.09	.050	20	26.7	.45	162	.034	1	1.37	.005	.07	1.4	.05	2.3	.3	<.05	4	<.5
MA03-100N	1.1	44.1	11.4	95	.2	35.0	13.3	504	3.11	25.7	1.2	27.5	3.8	16	.3	.8	.9	42	.13	.063	22	33.2	.57	165	.030	2	1.82	.008	.15	1.1	.04	2.4	.5	<.05	6	.6
MA03-000	1.1	19.6	6.7	24	.3	9.9	2.7	49	1.27	6.7	1.1	1.6	.1	15	.2	.4	.4	27	.14	.140	8	17.2	.08	153	.013	<1	.87	.008	.04	.6	.10	.7	.2	.21	3	.8
MA03-100S	.8	24.5	8.0	72	.1	25.7	8.0	244	2.55	29.2	.9	4.8	4.3	11	.1	.7	.5	35	.12	.045	18	26.2	.56	125	.038	1	1.76	.006	.15	.4	.03	2.1	.5	<.05	5	.5
MA03-200S	.9	26.6	9.2	56	.1	20.5	6.6	230	2.43	37.1	.9	3.7	1.8	12	.2	.7	.6	37	.07	.042	19	23.8	.39	103	.023	1	1.23	.005	.07	.4	.04	1.4	.3	<.05	4	<.5
MA4-400N	1.0	18.0	19.0	93	.3	15.5	7.9	467	2.48	30.8	.9	3.5	1.2	8	.8	.8	1.1	42	.07	.049	14	23.3	.36	99	.030	1	1.39	.005	.06	1.0	.05	1.4	.2	<.05	5	.5
MA4-300N	1.0	55.7	11.0	78	1.8	15.0	7.3	460	2.92	29.1	1.3	4.5	1.3	9	.4	.9	2.2	38	.08	.045	16	26.8	.41	69	.033	<1	1.39	.005	.06	3.0	.06	1.6	.9	<.05	5	.5
MA4-200N	1.0	31.6	13.6	78	.2	20.3	9.9	508	2.79	35.5	1.2	18.7	1.9	12	.3	.8	1.2	49	.09	.051	18	30.2	.46	166	.034	<1	1.63	.006	.08	1.6	.06	2.0	.4	<.05	5	.5
MA4-100N	1.4	48.2	25.7	106	.3	32.1	17.6	922	3.64	73.9	1.5	14.1	1.9	14	.4	.9	1.4	59	.12	.084	20	42.4	.63	183	.039	1	2.21	.007	.15	1.7	.05	2.4	.5	<.05	7	.9
MA4-000	1.2	17.9	13.8	59	.2	16.5	7.7	357	2.66	32.2	.7	9.2	.7	8	.3	.9	.3	47	.08	.063	13	26.8	.39	104	.023	1	1.50	.005	.05	.4	.04	1.2	.3	<.05	5	.6
STANDARD DSS	12.6	140.3	26.1	136	.3	24.9	11.9	749	3.01	17.7	6.2	45.5	2.9	46	5.6	4.0	6.0	62	.72	.099	12	192.0	.68	137	.100	18	2.06	.035	.15	5.1	.16	3.5	1.1	<.05	6	5.1

GROUP 1DX - 15.0 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data 1 FA _____ DATE RECEIVED: SEP 21 2004 DATE REPORT MAILED: Oct. 19/04





SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
MA4-100S	1.0	28.7	9.3	67	.1	24.8	10.3	305	2.75	54.1	1.0	11.3	4.1	11	.2	.9	.5	42	.07	.037	17	23.4	.38	117	.031	1	1.17	.005	.07	.6	.04	1.7	.3	<.05	4	.6
MA4-200S	1.1	32.1	13.3	79	.2	21.4	8.4	386	2.59	56.5	1.1	7.1	1.7	10	.4	1.4	.6	41	.07	.052	17	21.8	.38	92	.020	2	1.19	.004	.06	.5	.04	1.1	.4	.08	4	.6
MA5-400N	1.1	25.6	17.6	98	.3	15.8	6.4	513	2.52	16.6	1.0	8.2	.6	11	.6	1.1	.6	43	.07	.072	13	21.6	.31	98	.022	1	1.48	.004	.09	.7	.05	.5	.3	.09	5	.6
MA5-300N	1.0	31.3	10.4	80	.2	20.8	8.5	441	2.85	25.6	1.0	4.9	1.1	13	.4	.8	1.5	48	.09	.057	16	26.6	.40	173	.031	1	1.51	.005	.11	2.0	.04	1.2	.3	<.05	6	.5
MA5-200N	1.3	28.4	12.8	86	.2	21.5	11.0	603	3.06	35.7	1.4	6.8	1.4	11	.4	1.0	1.1	55	.07	.065	16	29.5	.46	156	.035	1	1.73	.005	.09	1.6	.05	1.6	.5	<.05	7	.6
MA5-100N	1.3	41.2	15.0	90	.1	20.6	7.8	399	3.18	54.0	1.2	8.9	.8	13	.4	.9	2.4	55	.08	.074	16	29.2	.43	129	.028	2	1.71	.007	.08	1.6	.05	1.3	.4	<.05	7	.9
MA5-000	.9	43.0	11.3	77	.3	24.0	8.6	325	2.76	140.3	1.5	45.5	3.8	15	.4	1.4	1.7	43	.13	.061	21	25.2	.40	181	.033	1	1.30	.006	.09	2.0	.05	1.6	.4	<.05	4	.7
MA5-100S	1.0	30.3	10.6	63	.1	22.3	7.8	270	2.74	48.9	1.0	22.5	3.9	13	.2	1.1	.6	46	.10	.048	20	23.1	.36	98	.033	1	1.14	.005	.06	1.2	.03	1.3	.3	<.05	4	.6
MA5-200S	1.0	33.2	9.5	66	.3	22.1	7.9	286	2.86	47.7	1.1	15.7	1.6	14	.3	1.1	.8	47	.07	.062	21	25.7	.37	173	.031	1	1.29	.006	.10	.8	.06	.9	.5	<.05	5	.8
MA6-400N	.8	21.3	9.1	68	.1	16.9	6.9	308	2.43	22.0	.8	3.9	1.7	8	.2	1.0	.4	38	.06	.031	15	19.9	.34	83	.032	1	1.04	.004	.05	.5	.02	1.2	.3	<.05	4	<.5
MA6-300N	1.2	28.6	11.5	75	.1	20.0	9.0	413	2.98	24.0	1.2	3.0	1.2	10	.4	.9	.6	52	.07	.049	17	27.8	.39	127	.032	1	1.48	.005	.08	.9	.05	1.3	.3	<.05	6	.8
MA6-200N	1.0	32.3	13.3	86	.1	21.4	12.2	541	2.83	40.0	1.3	6.8	2.1	11	.3	1.0	.8	48	.09	.048	18	26.2	.44	165	.040	2	1.50	.005	.09	1.7	.05	1.8	.3	<.05	5	.9
MA6-100N	1.0	72.1	9.6	92	.3	25.3	9.8	381	3.09	109.8	1.7	44.3	5.1	24	.5	1.0	2.6	46	.13	.063	23	27.6	.50	180	.045	2	1.62	.010	.16	4.2	.04	2.4	.7	<.05	6	1.0
MA6-000	.9	97.6	10.5	104	.2	23.6	9.1	357	3.19	157.8	1.6	50.8	8.1	28	.7	1.2	6.0	45	.17	.062	24	26.7	.40	164	.049	<1	1.28	.008	.13	8.0	.03	2.3	.6	<.05	5	.9
MA6-100S	1.0	21.2	8.1	61	.1	20.0	7.6	295	2.39	34.6	.7	3.8	4.3	10	.4	1.1	.4	41	.09	.035	15	21.6	.34	77	.040	1	.99	.005	.05	1.4	.04	1.4	.2	<.05	3	.5
MA6-200S	.9	33.7	8.8	74	.1	22.9	11.2	416	2.66	57.0	1.2	63.4	4.3	13	.2	.9	.8	41	.11	.053	18	23.2	.41	106	.037	1	1.19	.006	.08	1.8	.07	1.4	.4	<.05	4	.7
MA7-400N	1.1	19.1	9.9	58	.1	16.7	7.7	343	2.52	17.4	.7	2.4	1.6	8	.3	.9	.4	44	.06	.037	15	22.8	.31	94	.034	2	1.32	.004	.06	.6	.04	1.3	.3	<.05	5	.6
MA7-300N	.9	42.2	10.7	80	.1	22.4	8.8	346	2.75	45.8	1.4	23.5	4.4	15	.3	1.5	1.4	43	.11	.057	21	24.5	.41	123	.038	2	1.41	.006	.09	1.8	.05	1.5	.4	<.05	5	.6
MA7-200N	1.1	26.5	15.8	75	.1	16.9	6.7	348	2.69	50.4	1.0	5.0	.9	9	.4	.9	.7	52	.07	.057	14	28.5	.33	81	.029	1	1.51	.005	.07	1.2	.08	1.0	.3	<.05	6	.6
MA7-100N	1.1	78.6	18.7	129	.3	30.7	19.3	799	3.28	120.0	2.3	37.1	7.7	23	1.0	1.4	2.7	51	.20	.088	26	31.5	.51	189	.053	1	1.66	.011	.18	5.2	.06	2.9	.6	<.05	5	.8
MA7-000	1.2	64.2	14.1	128	.3	31.1	19.6	805	3.27	124.6	1.6	36.3	5.3	17	1.0	1.4	2.1	49	.15	.081	27	30.7	.45	155	.047	2	1.53	.006	.12	5.7	.07	2.0	.5	<.05	5	.9
MA7-100S	1.0	32.5	12.1	98	.2	22.1	8.7	369	2.99	58.8	1.1	23.7	2.5	11	.5	1.3	.8	51	.08	.042	18	29.3	.47	148	.037	1	1.68	.005	.10	1.7	.05	1.7	.5	<.05	5	.6
RE MA7-100S	1.2	31.3	12.1	98	.2	23.9	8.3	356	2.88	57.9	1.0	13.0	2.6	11	.5	1.5	.9	50	.07	.042	17	29.6	.47	149	.036	1	1.62	.005	.09	1.6	.03	1.8	.5	<.05	5	.7
MA7-200S	.9	25.3	8.6	69	.1	17.1	6.8	251	2.16	41.7	.8	14.2	2.5	8	.3	1.6	.8	39	.07	.032	15	20.0	.34	78	.029	1	1.02	.004	.07	1.0	.03	1.4	.4	<.05	3	<.5
MA8-400N	1.2	36.2	8.6	59	.4	16.0	4.9	158	2.32	29.1	1.4	8.3	.6	14	.3	1.4	1.1	40	.09	.075	18	22.7	.32	134	.020	1	1.26	.006	.06	1.2	.06	1.0	.6	.09	5	.7
MA8-300N	.7	40.8	10.6	76	.3	13.8	9.3	582	2.13	76.0	1.2	24.4	1.3	7	.3	1.9	2.3	34	.05	.061	14	22.4	.27	62	.017	2	1.22	.004	.09	1.1	.06	.8	.4	<.05	5	.7
MA8-200N	1.1	39.7	14.9	111	.1	26.7	11.1	501	2.79	82.8	1.4	10.3	4.8	13	.6	1.2	1.1	47	.10	.041	21	31.4	.45	166	.045	2	1.44	.005	.10	2.3	.03	2.4	.4	<.05	5	.5
MA8-100N	.9	21.2	10.3	63	.1	14.9	7.1	352	2.70	49.8	1.0	35.0	2.1	8	.4	.9	.6	47	.07	.040	17	26.5	.32	71	.039	1	1.27	.004	.04	2.9	.05	1.5	.2	<.05	5	.7
MA8-000	1.2	17.9	13.2	61	<.1	15.0	6.7	315	2.50	24.6	.7	4.5	1.1	6	.3	.8	.3	49	.05	.030	15	23.7	.31	69	.032	1	1.23	.003	.04	.8	.05	1.0	.3	<.05	5	.5
MA8-100S	.8	21.6	11.5	99	<.1	23.1	9.9	491	2.77	28.4	.7	7.8	3.0	9	.5	.8	.8	48	.09	.042	14	29.1	.50	130	.045	1	1.60	.005	.10	.5	.06	2.0	.4	<.05	5	.6
MA8-200S	1.1	55.0	10.7	189	.3	25.2	13.5	593	2.91	194.2	1.3	36.1	2.5	16	2.0	8.1	2.8	41	.12	.059	19	25.8	.41	126	.030	1	1.46	.007	.09	3.2	.14	1.6	1.3	<.05	5	.8
MA9-1600N	1.1	17.5	14.1	151	.1	20.7	8.9	387	2.80	19.6	.8	2.8	3.6	11	1.1	.7	.4	39	.12	.068	14	26.3	.41	70	.043	3	1.23	.004	.10	1.1	.05	1.9	.2	<.05	4	.6
MA9-1550N	.9	12.3	9.1	91	.1	11.9	4.6	225	2.19	31.5	.8	3.4	.7	9	.6	.6	.5	47	.07	.039	13	22.3	.29	70	.036	2	.96	.005	.06	1.6	.06	1.1	.1	.06	5	.6
MA9-1500N	1.5	14.7	12.4	86	<.1	12.5	5.0	216	2.08	43.8	1.2	1.9	.4	7	.4	.6	.3	37	.06	.049	12	22.0	.32	63	.020	1	1.08	.004	.03	.8	.03	.6	.1	<.05	4	.7
STANDARD DSS	12.2	141.8	24.5	138	.2	24.5	11.6	727	2.94	17.9	6.2	41.7	2.8	49	5.4	3.8	6.0	62	.73	.086	12	180.9	.64	133	.101	19	1.99	.032	.15	5.2	.17	3.4	1.0	<.05	6	5.1

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
MA9-1450N	1.0	11.5	12.5	50	<.1	8.9	3.7	135	2.03	14.2	.8	2.0	.5	6	.2	.5	.2	46	.05	.037	11	19.7	.24	57	.025	<1	1.09	.004	.03	.5	.05	.9	.1	<.05	5	<.5
MA9-1400N	1.1	13.3	12.3	70	.1	11.1	5.7	412	2.34	25.7	.5	5.3	1.1	6	.4	.8	.3	43	.05	.042	10	19.0	.24	48	.023	1	.93	.003	.03	.6	.05	1.0	.1	<.05	4	<.5
MA9-400N	1.3	65.0	21.2	247	.3	28.6	14.0	704	3.17	65.5	1.7	21.7	7.0	21	1.7	1.5	1.7	49	.17	.065	24	30.7	.51	172	.055	<1	1.64	.008	.14	4.0	.04	3.2	.4	<.05	6	.5
MA9-300N	1.0	41.8	10.0	108	.3	25.3	11.2	545	2.80	62.8	1.5	16.0	5.8	17	.8	1.3	.8	51	.18	.070	21	29.0	.44	175	.048	<1	1.35	.006	.11	3.0	.04	2.7	.3	<.05	5	.5
MA9-200N	1.3	39.0	11.3	99	.2	25.9	11.2	523	2.93	104.3	2.0	15.4	5.4	15	.5	2.0	.8	52	.17	.070	22	32.2	.47	194	.042	<1	1.43	.006	.08	2.8	.04	2.8	.4	<.05	5	<.5
MA9-100N	1.2	32.8	12.2	105	.2	22.7	9.5	446	2.40	99.4	1.5	31.1	5.4	12	.6	1.6	.8	45	.17	.068	18	27.3	.42	95	.048	1	1.13	.005	.06	3.1	.06	2.1	.3	<.05	3	<.5
MA9-000	1.3	73.9	8.9	98	.3	23.0	12.9	589	2.87	315.8	2.1	17.7	3.7	18	1.1	1.2	1.5	50	.17	.104	22	32.0	.44	170	.045	<1	1.61	.012	.08	10.6	.11	2.1	.4	<.05	5	1.1
MA9-100S	.9	28.6	8.8	83	.1	18.5	8.1	292	2.43	39.3	.9	8.9	3.0	9	.4	.9	.5	40	.08	.037	14	22.7	.33	111	.033	<1	1.17	.005	.04	2.6	.06	1.8	.2	<.05	4	<.5
MA9-200S	.5	115.3	14.1	103	1.7	13.4	5.8	422	5.57	333.2	2.7	90.3	19.1	116	.5	77.6	8.2	34	.24	.066	42	29.8	.29	202	.012	<1	1.26	.058	.40	8	.65	3.2	8.1	.69	6	.8
MA10-1600N	1.1	11.8	8.9	60	<.1	9.2	10.3	717	2.11	25.8	.7	1.9	.4	7	.4	.5	.4	47	.05	.034	11	19.7	.23	87	.028	<1	1.07	.004	.05	.8	.04	.9	.2	<.05	5	<.5
MA10-1550N	1.3	15.2	12.2	139	.1	12.7	8.8	503	2.43	38.6	.9	2.8	.7	9	1.3	.6	.9	41	.08	.039	13	22.7	.35	122	.029	<1	1.33	.004	.05	1.6	.04	1.4	.2	<.05	5	<.5
MA10-1500N	1.7	13.4	11.5	122	.1	11.5	7.6	530	2.28	45.9	1.0	3.7	1.3	12	1.1	.5	.9	47	.09	.046	11	23.5	.31	107	.036	1	1.24	.004	.05	1.1	.05	1.5	.2	<.05	5	<.5
MA10-1450N	2.3	114.5	64.4	1072	.4	23.5	15.1	785	2.59	146.4	1.7	8.6	4.0	14	4.5	1.8	3.7	41	.15	.059	18	24.3	.42	109	.037	1	1.21	.005	.06	18.4	.03	2.1	.2	<.05	4	.7
MA10-1400N	2.4	13.1	15.2	101	.1	11.6	8.8	500	2.05	86.5	1.8	10.3	.6	7	.2	.6	.3	37	.06	.048	11	22.4	.33	69	.022	<1	1.20	.004	.03	.9	.03	1.1	.1	<.05	4	<.5
MA10-400N	1.0	27.0	9.7	115	.1	19.3	8.9	490	2.55	43.9	1.1	12.9	3.3	11	.7	1.2	.6	45	.12	.055	17	25.6	.38	141	.036	<1	1.18	.005	.05	4.5	.05	2.0	.2	<.05	4	<.5
RE MA10-400N	.9	26.5	9.9	117	.1	20.2	9.0	500	2.60	44.6	1.0	8.0	3.3	11	.7	1.2	.5	47	.12	.055	18	26.2	.39	143	.038	<1	1.17	.005	.05	4.6	.05	2.0	.2	<.05	4	<.5
MA10-300N	1.3	50.3	10.9	175	.3	23.1	14.1	870	3.21	106.6	1.4	31.5	3.5	14	1.2	2.5	.8	58	.14	.066	20	29.6	.46	150	.039	<1	1.54	.007	.09	5.0	.07	2.9	.5	<.05	5	.6
MA10-200N	1.4	51.8	12.2	210	.2	25.0	17.1	1051	3.40	61.0	1.2	17.7	2.5	14	1.8	1.7	.6	60	.14	.076	19	33.9	.55	164	.048	2	1.73	.009	.09	3.3	.05	3.0	.4	<.05	6	.6
MA10-100N	1.4	47.7	16.9	123	.6	24.9	10.5	629	2.74	208.1	2.7	76.8	9.1	19	.8	3.7	.7	53	.26	.104	25	28.7	.39	144	.046	1	1.06	.006	.07	4.9	.16	2.5	.5	<.05	3	<.5
MA10-000	1.6	60.1	13.0	201	.7	19.9	13.1	777	2.93	255.2	3.8	25.1	8.4	25	1.5	3.8	1.0	55	.28	.088	29	32.9	.60	203	.055	1	1.38	.008	.08	1.7	.05	3.9	.5	<.05	5	.7
MA10-100S	2.0	163.5	47.7	230	.6	31.5	19.4	1139	3.12	108.5	3.0	44.4	2.0	19	1.4	2.4	1.4	43	.17	.120	22	27.5	.46	116	.026	1	1.76	.011	.09	2.5	.08	2.1	.4	<.05	5	1.5
MA11-1600N	1.1	13.5	9.9	66	<.1	12.6	6.9	301	2.28	15.7	.7	3.5	2.7	8	.5	.5	.4	42	.07	.036	13	22.4	.33	96	.032	1	1.27	.004	.04	4.0	.03	1.7	.1	<.05	5	<.5
MA11-1550N	1.8	23.5	9.3	165	.1	18.0	7.0	240	2.53	141.7	1.0	6.3	2.3	9	.9	3.2	.6	46	.08	.047	13	23.5	.34	67	.031	<1	1.23	.004	.08	2.1	.06	1.7	.3	<.05	5	<.5
MA11-1500N	1.4	15.4	9.8	232	.1	11.0	4.9	306	2.41	36.8	.6	6.9	1.3	10	2.0	.6	3.1	42	.08	.040	11	22.1	.32	101	.028	1	1.25	.004	.04	4.3	.07	1.3	.1	<.05	5	<.5
MA11-1450N	1.8	24.1	11.1	151	.1	7.7	6.5	552	2.03	24.4	.6	3.5	1.3	7	2.7	.5	13.6	43	.06	.031	11	20.0	.20	87	.031	1	1.02	.004	.04	12.0	.03	1.3	.2	<.05	5	<.5
MA11-1400N	2.0	18.1	13.2	169	.1	14.8	5.9	325	2.55	69.1	1.0	5.3	2.2	9	.6	1.0	1.2	45	.07	.041	14	23.9	.37	83	.033	1	1.26	.005	.06	9.6	.04	1.7	.2	<.05	5	<.5
MA11-400N	1.7	62.9	11.8	303	.2	30.8	14.7	1138	3.40	143.7	2.2	29.3	6.0	23	2.1	1.5	1.5	55	.26	.092	22	32.6	.51	253	.058	1	1.65	.015	.10	20.8	.07	3.5	.3	<.05	5	1.1
MA11-300N	1.2	23.1	9.9	113	.1	19.4	8.1	554	2.69	116.1	1.0	8.4	1.4	10	.6	1.0	.4	54	.09	.059	14	28.3	.42	137	.033	1	1.62	.006	.05	3.8	.06	2.0	.2	<.05	5	.5
MA11-200N	1.2	66.9	10.9	367	.2	27.9	13.6	849	3.39	212.8	1.7	53.9	7.3	16	2.3	4.0	1.7	51	.19	.072	23	28.9	.39	123	.041	1	1.27	.006	.07	28.2	.06	3.0	.4	<.05	5	.7
MA11-100N	1.3	40.3	8.7	157	.2	24.6	10.2	827	3.11	49.7	1.2	52.3	3.9	17	1.2	1.2	.6	56	.23	.093	21	31.4	.40	159	.044	<1	1.36	.008	.07	11.2	.12	2.4	.2	.06	4	.6
MA11-000	1.2	29.2	10.0	156	.1	24.0	12.2	399	2.53	51.5	.8	8.5	3.0	13	1.2	1.3	.2	44	.12	.057	14	25.4	.39	126	.040	2	1.43	.006	.08	1.4	.04	2.1	.2	.06	4	<.5
MA11-100S	2.3	136.7	199.1	463	4.0	37.6	27.9	1314	3.67	987.3	3.7	167.5	4.5	22	2.8	6.9	1.9	53	.16	.087	25	36.9	.59	125	.027	1	1.93	.007	.11	4.0	.11	3.3	.7	.09	6	1.4
MA12-1600N	.8	20.4	8.8	163	.1	15.6	4.9	274	2.00	15.9	.7	1.6	1.3	10	1.1	.7	.6	34	.11	.049	15	20.1	.32	116	.022	1	1.06	.004	.04	2.6	.03	1.6	.2	<.05	4	<.5
MA12-1550N	1.0	16.1	12.5	145	<.1	15.0	5.9	307	2.51	21.0	.7	4.0	1.5	9	1.2	.9	.6	38	.09	.047	12	23.7	.34	76	.021	1	1.29	.004	.04	1.0	.04	1.5	.2	<.05	4	<.5
STANDARD DS5	12.6	145.2	24.2	137	.2	24.9	12.0	782	3.00	18.2	6.1	41.5	2.7	47	5.3	3.8	6.0	62	.71	.098	11	179.8	.64	137	.096	16	1.98	.033	.14	5.1	.16	3.4	1.0	<.05	7	4.9

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
MA12-1500N	1.5	37.1	17.0	290	.6	17.9	7.8	359	2.54	43.2	.9	5.0	1.7	7	1.2	1.8	2.7	40	.06	.033	13	24.0	.34	77	.018	<1	1.25	.003	.04	2.0	.05	1.8	.3	<.05	4	.7
MA12-1450N	.9	12.6	10.7	61	.1	4.9	2.5	128	1.52	30.2	.7	3.1	.2	5	.3	.5	1.9	30	.03	.044	9	17.1	.13	54	.011	1	.75	.003	.02	.8	.05	.4	.2	<.05	4	.6
MA12-1400N	1.5	21.7	14.3	299	.3	14.9	7.4	442	2.35	61.5	1.3	2.3	1.2	7	1.6	1.1	1.4	40	.06	.040	15	27.5	.35	93	.016	<1	1.38	.003	.05	12.1	.04	1.7	.3	<.05	5	.6
MA12-400N	1.2	34.6	10.4	168	.1	25.9	11.4	802	2.71	105.9	2.6	14.7	2.5	14	1.7	1.0	.7	53	.16	.067	20	32.1	.50	250	.038	2	1.52	.008	.06	4.0	.04	2.7	.2	<.05	6	.9
MA12-300N	1.2	50.9	12.0	226	.2	27.4	12.6	950	3.01	135.9	2.9	20.8	4.7	17	1.6	1.4	1.4	51	.19	.080	21	32.7	.50	186	.041	1	1.48	.009	.08	9.1	.04	3.2	.3	<.05	6	.8
MA12-200N	1.2	54.2	9.9	314	.2	28.7	11.9	827	3.25	91.2	2.0	83.6	8.6	21	3.3	1.3	.7	49	.26	.074	23	32.1	.42	180	.049	1	1.13	.009	.09	12.4	.11	3.3	.2	<.05	4	.7
MA12-100N	1.5	55.6	12.5	126	.2	41.4	20.9	1087	3.80	140.5	2.1	68.5	7.4	23	.7	1.9	.7	52	.26	.103	24	36.7	.53	201	.046	1	1.44	.009	.16	13.5	.11	3.5	.4	<.05	6	1.0
MA12-000	1.0	25.8	15.5	154	.2	24.6	12.2	623	2.32	222.8	1.0	13.6	6.3	13	1.6	2.4	.2	38	.15	.050	20	32.4	.45	128	.028	<1	1.28	.004	.14	1.4	.03	2.4	.3	<.05	5	<.5
MA12-100S	2.7	59.0	13.0	183	.2	19.4	15.7	795	2.99	995.7	2.5	173.5	1.8	23	2.1	2.2	2.4	50	.23	.087	20	30.4	.50	155	.018	1	1.47	.007	.06	3.4	.08	1.9	.4	<.05	6	1.0
MA13-1600N	1.2	18.6	9.4	108	.1	17.9	6.4	241	2.40	24.7	.9	1.1	.7	8	.6	.7	.3	45	.08	.052	12	28.0	.40	96	.028	1	1.33	.005	.06	2.8	.04	1.4	.2	<.05	5	.7
MA13-1550N	.9	16.3	9.1	101	<.1	14.7	5.7	213	2.01	48.1	.6	13.8	1.4	8	.5	.6	.9	36	.10	.041	12	22.5	.36	83	.030	<1	1.13	.004	.05	6.7	.03	1.7	.2	<.05	4	.6
MA13-1500N	1.0	17.6	8.7	101	<.1	12.9	6.5	240	2.15	70.3	1.2	2.6	1.5	9	.5	.8	.9	40	.10	.053	14	28.9	.44	140	.029	1	1.53	.004	.05	1.3	.02	1.9	.3	<.05	5	.7
MA13-1400N	2.5	16.6	26.3	169	.1	13.3	5.7	249	2.17	202.8	4.9	9.3	1.3	8	1.1	.7	.4	39	.08	.040	14	22.3	.36	89	.024	1	1.24	.004	.03	1.4	.05	1.6	.2	<.05	5	.7
MA13-400N	1.4	56.3	14.8	313	.2	24.9	13.0	851	3.00	312.6	1.9	20.4	2.6	12	1.7	2.1	1.0	51	.12	.062	18	33.7	.54	153	.032	2	1.68	.005	.07	5.1	.03	2.7	.3	<.05	6	.6
MA13-350N	.8	37.7	11.1	210	.2	19.2	7.7	474	2.29	126.7	2.0	24.0	3.6	16	1.7	1.3	.9	42	.21	.066	19	26.7	.44	178	.040	1	1.26	.007	.06	6.0	.04	2.5	.2	<.05	4	.5
MA13-300N	.9	34.5	37.1	218	.2	21.1	9.0	680	2.59	95.3	2.3	15.8	6.4	13	1.7	1.4	.9	44	.18	.066	22	28.4	.43	151	.033	<1	1.08	.005	.06	8.5	.04	2.7	.2	<.05	4	.5
MA13-250N	1.1	43.0	45.8	268	.3	20.8	9.8	741	2.71	157.5	3.1	17.3	5.5	18	1.8	1.9	2.6	45	.24	.068	26	29.5	.47	237	.028	1	1.31	.006	.08	9.6	.04	3.2	.3	<.05	5	.6
MA13-200N	1.3	49.2	137.1	357	.5	23.7	9.6	1504	2.83	173.7	2.2	64.2	8.2	14	2.1	1.8	.8	45	.19	.063	23	32.5	.53	166	.030	1	1.25	.005	.07	15.0	.04	3.6	.3	<.05	5	.5
MA13-150N	1.9	99.4	326.1	710	1.1	28.9	13.9	1428	3.30	301.0	2.6	31.0	4.6	19	2.6	3.0	1.0	51	.20	.084	21	39.5	.63	147	.035	<1	1.74	.010	.11	13.7	.08	3.9	.4	<.05	6	.7
RE MA13-150N	1.9	96.5	341.5	701	1.2	29.2	14.1	1449	3.39	308.4	2.6	34.7	4.4	19	2.5	3.2	1.1	54	.22	.085	21	39.8	.64	155	.034	1	1.82	.010	.10	14.2	.06	3.7	.4	<.05	7	1.0
MA13-100N	1.5	68.7	92.6	357	.4	37.3	20.5	722	2.94	189.8	2.4	56.6	7.3	19	2.5	2.3	.7	43	.21	.082	22	28.4	.51	132	.041	1	1.32	.006	.12	14.1	.04	2.8	.4	<.05	4	.9
MA13-050N	1.1	45.1	97.0	209	.3	25.6	9.9	568	2.53	128.7	.9	10.2	4.0	10	1.1	1.4	.7	40	.11	.041	16	24.1	.43	112	.035	1	1.19	.006	.07	8.8	.04	2.1	.2	<.05	4	<.5
MA13-000	.3	49.1	15.2	137	.3	12.7	5.4	929	2.07	100.1	1.4	13.6	8.3	14	.7	1.5	1.6	29	.24	.052	22	23.6	.51	85	.028	1	1.13	.004	.09	18.4	.01	2.7	.3	<.05	4	<.5
MA13-050S	1.5	106.1	8.3	259	.5	18.5	6.7	532	2.39	297.8	1.0	28.3	1.1	14	1.6	1.7	1.1	44	.15	.065	13	27.5	.42	164	.032	2	1.33	.007	.06	2.1	.06	1.8	.2	<.05	6	.5
MA13-100S	1.2	115.5	8.6	226	.4	23.0	7.7	444	2.43	230.5	1.0	26.2	3.8	28	1.4	1.5	1.2	40	.19	.053	16	24.6	.44	245	.035	1	1.38	.006	.08	3.0	.05	2.2	.2	<.05	4	.7
MA14-1450N	1.2	17.8	14.8	109	.1	14.6	6.2	236	2.07	44.2	1.9	4.7	1.7	9	.5	.7	.3	42	.10	.059	13	23.2	.38	92	.031	<1	1.14	.004	.04	3.2	.03	1.5	.1	<.05	4	<.5
MA14-1350N	1.2	9.9	23.1	66	.1	9.0	3.3	150	1.41	22.8	1.1	2.1	.4	8	.2	.5	.4	43	.06	.046	10	17.0	.20	71	.023	<1	.94	.004	.03	1.3	.04	.9	.2	<.05	5	<.5
MA14-1300N	.7	9.7	28.2	72	<.1	11.4	4.5	191	1.83	19.7	1.1	.8	1.4	8	.3	.5	.2	36	.08	.055	13	18.9	.33	68	.026	1	1.19	.003	.03	.9	.05	1.2	.2	<.05	4	.6
MA14-1250N	.9	14.1	14.7	62	<.1	12.9	5.3	222	1.96	31.0	1.4	8.4	1.0	8	.2	.6	.2	37	.08	.046	12	19.9	.31	71	.023	1	1.03	.003	.03	1.2	.04	1.3	.1	<.05	4	<.5
MA14-1200N	1.1	15.3	21.6	60	.1	13.8	5.9	290	2.15	45.2	2.1	4.8	1.1	7	.1	.7	.2	40	.07	.047	13	22.8	.35	84	.024	1	1.24	.004	.04	1.0	.04	1.3	.1	<.05	4	.6
MA14-1150N	1.4	14.3	12.9	77	.1	13.1	6.0	349	2.08	53.8	2.1	5.0	.6	7	.3	.8	.3	42	.06	.051	14	20.7	.31	92	.025	<1	1.15	.004	.04	1.3	.03	1.0	.2	<.05	5	<.5
MA14-400N	.8	22.4	11.6	85	.1	16.8	8.2	410	2.23	114.8	1.5	10.1	4.8	10	.6	.8	.4	39	.10	.054	17	21.8	.38	102	.037	1	1.13	.005	.05	2.0	.03	2.0	.2	<.05	3	.6
MA14-350N	.9	31.1	11.0	96	<.1	19.1	9.0	389	2.46	72.0	1.8	11.6	3.3	11	.5	.7	.5	44	.12	.050	18	26.1	.43	153	.036	1	1.38	.007	.05	1.6	.05	2.3	.2	<.05	4	.7
MA14-300N	1.1	17.0	11.6	69	.1	16.0	6.8	298	2.49	21.8	.9	2.1	1.1	10	.5	.7	.2	52	.09	.047	10	27.1	.40	131	.030	<1	1.55	.006	.03	.4	.04	2.0	.1	<.05	5	<.5
STANDARD DS5	13.1	144.2	25.3	139	.2	24.6	12.1	798	3.03	18.9	6.3	44.0	2.9	46	5.7	4.0	6.2	60	.73	.099	11	189.4	.68	136	.092	19	2.00	.033	.14	5.1	.18	3.4	1.1	<.05	7	5.2

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr - Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	
MA14-250N	1.2	44.8	19.6	396	.2	25.1	11.1	682	3.11	121.6	1.7	10.5	1.8	15	2.0	.8	.7	56	.12	.055	18	33.9	.53	165	.037	2	1.76	.007	.06	2.1	.04	2.5	.3	.07	6	.7
MA14-200N	1.1	32.5	18.5	258	.1	24.3	10.9	706	2.97	141.0	1.8	8.4	2.0	14	1.9	.9	.6	56	.12	.051	20	33.8	.55	210	.031	1	1.77	.006	.06	.9	.05	3.0	.2	<.05	5	.6
MA14-150N	1.2	73.8	25.1	421	.9	27.2	13.5	1213	2.96	185.5	1.6	17.2	4.5	20	4.0	1.1	1.7	46	.20	.070	24	30.1	.53	175	.033	2	1.57	.009	.10	1.9	.05	3.1	.3	<.05	5	.6
MA14-100N	1.1	37.3	10.0	221	.2	24.8	11.4	642	2.67	100.5	1.2	13.6	5.0	12	1.3	1.0	.5	43	.11	.061	19	29.2	.47	137	.037	1	1.50	.006	.11	1.6	.05	2.6	.3	<.05	5	.7
MA14-050N	1.0	28.9	8.6	103	.2	23.8	8.3	425	2.42	89.3	1.0	10.0	4.4	10	.5	.9	.4	41	.09	.043	17	26.0	.43	121	.036	1	1.47	.005	.11	1.3	.04	2.4	.3	<.05	4	.6
MA14-000N	1.0	36.9	8.2	90	.2	23.5	12.3	425	2.33	193.5	1.4	21.6	5.6	17	.5	1.5	.4	40	.19	.063	20	27.8	.45	106	.042	1	1.29	.005	.10	1.9	.03	2.5	.3	<.05	4	.6
MA14-050S	1.1	32.1	9.1	87	.2	24.9	8.2	295	2.61	62.4	1.1	7.7	3.4	11	.4	.8	.3	45	.14	.059	16	28.4	.48	118	.033	2	1.68	.005	.08	.6	.05	2.8	.3	<.05	4	.6
MA14-100S	1.5	60.1	7.7	218	.3	22.0	9.6	749	2.43	65.4	1.1	9.0	4.6	24	2.2	1.0	.6	42	.25	.067	19	25.4	.45	120	.047	1	1.16	.008	.08	2.4	.02	2.9	.2	<.05	4	.6
MA14-150S	.8	17.8	8.5	52	<.1	16.2	5.6	231	2.20	15.9	.6	.8	1.2	10	.2	.8	.2	39	.09	.053	12	21.6	.31	82	.023	1	1.09	.004	.04	.3	.03	1.6	.2	<.05	4	.5
MA14-200S	1.2	37.4	11.2	150	.1	28.0	10.5	407	2.67	111.8	1.3	11.5	4.8	13	.7	.9	.4	47	.13	.048	18	28.1	.44	124	.041	1	1.33	.007	.06	1.3	.04	2.6	.2	<.05	4	.7
MA15-400N	1.4	38.0	19.2	142	.3	17.9	8.6	787	2.77	218.7	2.3	11.5	1.0	10	.6	.9	2.1	48	.08	.067	16	27.2	.42	106	.023	2	1.47	.006	.06	2.9	.05	1.6	.3	<.05	5	.5
MA15-350N	1.4	48.0	21.4	202	.4	22.4	9.7	716	3.13	120.6	1.8	6.7	1.0	13	1.2	.9	1.1	59	.10	.079	22	36.2	.56	140	.027	1	1.93	.007	.08	1.1	.06	2.0	.4	<.05	6	.7
MA15-300N	1.3	27.0	16.3	128	.2	20.0	9.7	495	2.83	58.1	1.4	10.0	1.3	12	.8	.8	.7	57	.10	.060	17	32.7	.49	137	.032	1	1.74	.007	.06	1.2	.05	2.2	.2	<.05	6	.8
MA15-250N	1.3	61.4	33.5	396	.6	27.7	13.0	780	3.51	135.5	1.9	8.7	2.3	18	1.7	1.0	1.2	57	.14	.073	21	37.0	.59	197	.035	1	1.93	.010	.09	2.9	.05	3.0	.5	<.05	7	.5
MA15-200N	1.1	57.9	11.0	410	.3	35.7	15.4	700	3.25	97.2	1.7	10.6	8.8	19	3.2	1.0	.5	53	.20	.077	24	31.7	.56	170	.064	2	1.54	.007	.12	6.5	.04	3.3	.3	<.05	5	.5
MA15-150N	1.3	30.7	21.9	185	.6	23.4	9.7	528	2.94	120.6	1.1	24.4	3.2	16	1.1	1.1	.3	50	.12	.071	22	30.6	.39	116	.036	2	1.25	.007	.09	3.9	.07	2.0	.3	<.05	5	.6
MA15-100N	.9	35.2	12.3	335	.2	18.3	7.4	593	2.35	57.2	1.0	17.1	2.9	13	2.4	1.0	.4	43	.13	.055	19	26.4	.44	123	.026	1	1.37	.005	.07	1.2	.06	1.8	.2	<.05	4	.5
MA15-050N	1.2	51.3	15.8	340	.2	26.8	12.5	545	2.51	119.9	1.3	6.9	6.0	19	2.7	.9	.4	45	.21	.066	20	26.8	.45	139	.054	1	1.20	.006	.09	1.0	.02	2.8	.2	<.05	4	.7
MA15-000	1.1	73.3	11.1	702	.4	24.1	12.1	482	2.33	174.0	1.1	14.3	6.1	22	6.8	1.0	.9	41	.28	.077	20	23.6	.47	133	.057	1	1.13	.007	.08	2.1	.02	2.7	.2	<.05	4	.5
MA15-050S	.9	54.8	7.2	627	.1	31.1	12.5	407	2.64	321.5	1.1	15.9	6.5	30	4.3	.9	.6	42	.29	.068	22	27.5	.53	99	.059	1	1.30	.012	.14	2.4	.02	2.7	.3	<.05	4	.5
MA15-100S	.7	44.4	7.2	114	.1	25.6	11.4	307	2.31	71.7	1.2	6.9	5.3	21	.6	.7	.4	41	.21	.069	20	24.9	.48	104	.055	1	1.25	.008	.12	.4	.03	2.6	.3	<.05	4	<.5
MA15-150S	1.1	66.3	11.9	261	.6	25.5	11.7	683	2.87	227.9	1.2	11.8	4.7	13	1.7	1.0	1.3	50	.14	.060	19	29.1	.45	134	.037	1	1.38	.005	.09	2.3	.04	2.5	.3	<.05	4	.8
RE MA15-150S	1.1	63.0	11.6	260	.6	26.3	12.1	647	2.77	226.4	1.2	12.2	4.5	14	1.6	1.0	1.3	46	.14	.064	17	28.0	.45	132	.036	1	1.37	.005	.08	2.4	.04	2.4	.3	<.05	4	.6
MA15-200S	1.0	34.2	11.2	161	.4	27.3	13.1	864	2.57	150.1	1.2	12.8	4.4	15	1.2	1.2	.4	43	.17	.069	24	25.5	.42	129	.033	1	1.22	.005	.09	.9	.05	2.2	.3	<.05	4	.6
MA16-400N	1.0	26.3	11.8	88	.2	17.3	7.9	384	2.43	96.0	1.5	69.9	2.7	11	.7	.8	1.4	45	.10	.055	16	25.4	.39	137	.035	<1	1.48	.005	.05	3.5	.05	1.9	.3	<.05	5	<.5
MA16-300N	1.4	76.8	40.0	301	.7	23.6	11.1	1101	3.11	312.1	4.2	14.1	2.7	17	1.5	1.3	3.4	53	.15	.080	31	34.4	.55	202	.025	1	1.88	.008	.10	4.5	.06	3.1	.5	.07	6	.6
MA16-250N	1.3	44.2	15.9	170	.4	21.0	8.6	675	2.96	133.2	1.1	20.2	1.5	12	1.2	1.1	1.0	57	.10	.058	20	33.0	.42	102	.032	2	1.62	.006	.08	1.5	.06	1.8	.4	.06	6	.6
MA16-200N	1.2	34.2	22.6	256	.3	24.5	10.7	919	3.04	68.8	1.2	8.1	3.0	12	1.5	1.0	.5	53	.09	.049	22	30.9	.44	135	.039	1	1.48	.006	.09	1.3	.07	2.3	.3	<.05	5	.7
MA16-150N	.9	47.0	20.6	271	.2	24.4	9.7	816	2.52	84.5	1.3	28.9	7.8	14	2.4	1.2	.7	45	.17	.064	23	27.5	.40	132	.052	1	1.12	.005	.10	3.8	.06	2.3	.2	<.05	4	.5
MA16-100N	1.0	21.4	18.9	91	.2	16.2	6.5	355	2.48	40.4	.7	7.7	1.4	8	.6	1.0	.5	46	.07	.046	15	25.6	.33	86	.029	2	1.19	.004	.05	.7	.05	1.5	.3	<.05	5	.5
MA16-050N	.8	52.6	12.8	90	.5	24.0	11.1	477	2.86	73.9	1.3	4.3	7.7	23	.6	1.1	.7	42	.20	.077	27	27.8	.50	170	.051	2	1.31	.010	.18	.8	.03	2.7	.4	.08	5	.7
MA16-000	.8	48.2	7.0	77	.1	25.0	8.8	248	3.08	28.2	1.4	6.1	7.7	38	.2	.9	.3	43	.27	.082	22	28.2	.55	136	.069	2	1.37	.021	.20	.5	.02	2.7	.4	.10	4	<.5
MA16-050S	1.0	26.6	7.7	64	<.1	17.7	6.1	240	2.36	24.4	.9	<.5	2.0	16	.2	.8	.2	41	.11	.052	17	23.4	.40	93	.038	<1	1.22	.010	.10	.3	.04	1.7	.2	.08	4	<.5
MA16-100S	1.0	43.8	9.7	112	.1	35.7	16.8	386	2.98	50.3	1.3	6.4	4.7	17	.5	.8	.5	53	.13	.052	22	31.0	.53	168	.057	<1	1.59	.009	.15	.6	.06	2.6	.3	.07	5	.5
STANDARD DS5	13.1	137.1	25.7	133	.3	24.4	11.8	797	3.04	119.9	6.5	43.0	3.0	50	5.6	4.1	6.2	62	.77	.096	13	190.4	.71	144	.095	17	2.11	.035	.15	4.7	.19	3.6	1.1	<.05	6	4.8

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
MA16-150S	1.7	74.9	63.5	147	.8	41.9	23.0	788	3.77	185.1	2.2	23.2	6.6	30	.6	1.3	.8	54	.17	.095	28	36.2	.69	217	.047	1	2.18	.012	.18	1.2	.06	3.8	.5	.08	7	.8
MA16-200S	1.3	47.4	20.7	114	.2	22.5	9.0	420	2.94	82.9	1.7	40.9	2.5	15	.8	.8	.5	50	.12	.074	23	30.1	.49	127	.040	1	1.69	.007	.09	2.2	.13	1.7	.5	<.05	5	1.0
MA17-400N	1.5	50.5	11.4	155	.3	18.8	8.9	526	2.53	198.5	2.5	5.1	5.1	15	1.0	1.0	1.8	46	.16	.063	22	26.3	.44	147	.044	<1	1.32	.006	.07	4.1	.05	2.5	.3	<.05	4	.6
MA17-300N	1.3	44.5	11.6	264	.1	22.7	8.6	540	2.67	101.0	1.4	5.9	4.7	14	1.6	1.0	1.2	44	.16	.059	19	27.5	.43	130	.040	1	1.28	.006	.06	4.1	.04	2.2	.2	<.05	4	.6
MA17-250N	1.0	50.7	15.4	245	.3	26.7	10.0	710	2.71	85.2	1.4	25.0	8.8	14	2.0	1.1	.4	46	.18	.060	25	30.2	.48	148	.055	<1	1.24	.005	.08	2.3	.05	2.9	.2	<.05	4	.6
MA17-200N	1.2	71.6	30.7	424	.6	28.6	12.7	886	2.81	181.2	1.7	21.9	6.4	15	3.2	1.2	.7	46	.17	.053	26	27.2	.46	135	.051	1	1.30	.005	.09	3.2	.04	2.9	.2	<.05	4	.5
MA17-150N	1.1	23.9	74.2	135	.5	14.4	5.4	355	2.30	34.4	.6	36.0	1.9	9	.7	.8	.3	41	.08	.040	16	23.5	.36	77	.029	2	1.22	.004	.05	.7	.06	1.7	.3	<.05	5	.5
MA17-100N	1.2	267.6	12.0	693	1.1	27.9	11.1	593	2.82	314.0	1.3	51.5	7.6	22	4.7	.9	2.6	46	.28	.062	26	29.6	.56	131	.069	3	1.46	.010	.10	5.9	.03	3.4	.2	<.05	5	.7
MA17-050N	.9	76.2	90.7	1003	.6	26.8	12.8	1426	2.66	198.3	1.2	107.3	8.0	22	6.9	1.5	.7	38	.28	.059	25	26.8	.56	109	.062	1	1.25	.008	.12	1.6	.01	3.3	.3	<.05	4	.6
MA17-000	1.1	25.6	10.8	92	.1	15.2	5.3	235	2.21	48.3	.6	6.2	1.4	10	.5	.7	.3	45	.09	.044	14	22.0	.35	89	.031	1	1.16	.005	.05	.7	.03	1.5	.3	<.05	4	<.5
MA17-050S	1.1	48.9	16.6	139	.1	27.7	13.1	487	2.88	58.3	1.0	9.3	4.3	12	.6	.9	.4	43	.10	.046	21	27.2	.50	127	.045	1	1.45	.007	.09	1.4	.04	2.4	.3	<.05	5	.6
MA17-100S	1.5	180.8	140.6	1175	5.7	40.0	16.7	834	3.01	199.8	2.3	51.1	8.8	24	4.2	1.5	1.2	48	.25	.100	33	29.6	.55	125	.058	2	1.47	.008	.13	3.1	.11	3.0	.4	<.05	5	.5
MA17-150S	1.5	121.3	29.6	713	1.0	33.5	18.4	1049	3.54	169.3	1.9	31.1	6.3	21	3.7	1.1	1.5	56	.19	.090	30	38.8	.63	214	.056	2	1.98	.010	.14	2.1	.08	3.7	.4	<.05	6	1.0
RE MA17-150S	1.8	122.4	28.3	682	1.0	34.9	19.0	1017	3.52	173.7	1.8	29.8	5.7	21	4.0	1.1	1.3	56	.19	.088	30	36.7	.61	215	.057	1	1.99	.010	.13	2.1	.07	3.5	.4	<.05	6	.8
MA17-200S	1.5	80.3	17.7	561	.5	30.4	17.6	698	3.30	233.2	1.7	32.5	4.8	19	3.9	1.0	1.0	53	.17	.075	25	33.3	.54	220	.046	1	1.77	.010	.12	1.8	.07	3.0	.4	<.05	6	.6
MA18-400N	2.8	279.1	63.8	919	2.1	27.5	29.2	3366	5.26	747.1	4.0	55.5	13.8	32	12.4	3.4	10.4	44	.16	.057	29	38.0	.63	95	.048	1	2.03	.008	.23	17.6	.06	4.8	.6	<.05	7	.9
MA18-350N	5.5	436.4	61.8	1023	3.1	41.5	30.7	3933	12.05	1462.0	6.3	255.9	17.4	37	7.4	3.8	17.4	62	.10	.079	21	58.3	.70	70	.062	1	2.35	.016	.31	25.2	.08	9.3	.8	.21	10	1.6
MA18-300N	1.5	232.7	412.0	2658	3.4	36.9	24.7	7382	4.62	970.4	3.9	72.9	14.4	39	29.9	10.5	4.1	36	.29	.030	33	28.2	.71	69	.032	1	1.87	.004	.21	11.8	.02	4.5	.8	<.05	8	.5
MA18-250N	1.2	132.3	140.5	1048	1.3	26.3	14.6	2976	2.99	364.1	1.9	63.9	9.1	32	11.4	3.6	2.6	40	.26	.072	26	24.5	.55	144	.044	1	1.29	.008	.12	7.6	.07	3.3	.3	<.05	4	.5
MA18-200N	1.1	106.4	30.6	405	.5	29.0	13.2	718	2.78	266.5	1.7	25.7	8.0	26	3.6	1.5	1.0	41	.20	.059	27	25.4	.45	107	.054	1	1.27	.006	.10	3.1	.04	3.1	.2	<.05	4	.5
MA18-150N	1.2	69.8	14.0	285	.5	25.4	8.7	625	2.46	87.6	1.3	56.3	6.5	17	2.4	1.1	.7	45	.24	.089	26	26.1	.44	143	.052	2	1.23	.008	.07	3.2	.07	3.2	.2	<.05	4	.7
MA18-100N	1.1	60.0	37.9	301	1.0	26.0	9.7	1045	2.79	148.4	1.6	16.1	5.8	16	1.8	1.3	.6	46	.18	.071	27	29.2	.49	167	.043	1	1.56	.007	.09	1.5	.07	3.1	.2	<.05	5	.5
MA18-050N	1.3	78.4	24.1	227	.6	32.4	14.0	738	2.94	106.1	1.4	33.7	8.6	19	1.9	1.0	.6	52	.26	.092	27	29.4	.48	146	.061	1	1.24	.007	.09	3.4	.07	2.9	.2	<.05	4	.8
MA18-000	1.3	55.2	26.7	271	.9	26.2	11.5	950	3.01	117.6	1.3	27.7	6.4	15	1.7	1.3	.8	49	.15	.059	26	31.2	.50	157	.054	1	1.49	.006	.11	3.5	.06	3.2	.3	<.05	5	.6
MA18-050S	1.5	284.3	333.8	1937	3.7	30.9	15.2	2490	3.47	506.8	1.9	47.9	9.2	21	13.1	2.9	7.0	41	.23	.088	32	25.7	.48	142	.042	2	1.26	.005	.09	5.8	.06	3.2	.3	<.05	4	.8
MA18-100S	1.4	48.8	53.7	453	.4	21.8	9.2	667	3.00	173.7	1.1	12.8	3.7	13	3.5	1.4	1.0	57	.12	.045	23	30.2	.44	182	.040	1	1.39	.005	.07	3.1	.05	2.2	.3	<.05	5	.5
MA18-150S	1.2	71.6	128.4	428	.9	21.4	8.4	694	2.92	236.6	1.2	13.5	2.8	17	3.3	1.5	1.1	41	.13	.072	23	27.1	.40	151	.031	2	1.33	.007	.10	1.5	.09	1.7	.4	.08	5	.7
MA18-200S	1.3	32.6	30.7	279	.1	17.7	7.5	486	2.84	77.2	.8	25.8	3.2	12	1.5	.9	.5	49	.09	.041	21	25.8	.39	124	.041	1	1.38	.005	.07	.9	.05	2.0	.3	<.05	5	.6
MA125-400N	1.3	31.7	10.8	99	.2	23.7	10.7	716	2.71	51.2	2.8	54.9	6.8	17	.7	1.0	.5	52	.20	.084	26	26.5	.45	186	.046	1	1.26	.006	.06	5.2	.07	2.9	.2	<.05	4	.5
MA125-350N	1.4	35.2	11.6	128	.2	23.8	10.3	615	2.63	85.3	2.6	18.2	7.2	18	.9	1.2	.8	46	.22	.094	26	26.1	.51	172	.046	2	1.27	.006	.06	4.3	.05	2.7	.2	<.05	4	.7
MA125-300N	1.3	30.7	10.6	158	.1	21.4	8.8	521	2.70	67.2	1.6	27.3	2.5	12	1.1	1.0	.6	50	.10	.050	22	29.9	.48	192	.035	1	1.51	.005	.05	4.5	.06	2.4	.3	<.05	5	.6
MA125-250N	1.8	55.1	15.0	297	.3	28.4	15.6	913	3.16	146.2	2.6	20.7	3.7	19	1.5	1.3	1.3	51	.18	.085	24	33.1	.57	198	.037	1	1.99	.009	.08	10.1	.06	3.3	.4	<.05	6	.7
MA125-200N	1.0	34.1	10.0	382	.2	24.7	10.4	644	2.74	57.2	1.6	88.9	6.7	18	3.2	1.0	.5	49	.24	.078	24	29.0	.46	151	.054	1	1.19	.006	.08	11.4	.06	3.0	.2	<.05	4	.6
MA125-150N	1.5	72.0	12.2	186	.4	29.9	15.1	752	3.06	127.2	1.9	28.5	7.9	20	1.6	1.5	.8	44	.19	.080	27	31.2	.51	147	.050	2	1.47	.007	.11	12.5	.05	3.1	.3	<.05	5	.7
STANDARD DS5	13.2	147.6	25.2	139	.3	24.6	11.8	798	3.10	19.1	6.3	45.0	2.9	50	5.7	3.9	6.1	64	.77	.096	13	200.2	.70	136	.100	17	2.07	.033	.15	4.9	.20	3.4	1.1	<.05	7	4.8

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
MA125-100N	1.2	79.2	10.9	178	.5	46.7	33.2	740	3.19	146.4	2.8	22.6	13.4	86	1.1	1.2	.9	55	.41	.100	30	41.8	.76	80	.067	<1	2.03	.009	.30	7.7	.03	4.9	.7	<.05	7	.5
MA125-050N	1.1	27.5	8.0	92	.2	24.5	8.0	560	2.26	57.3	1.3	13.6	6.7	18	.5	.9	.6	38	.28	.080	21	20.9	.40	196	.044	1	.98	.007	.06	13.4	.03	2.4	.1	<.05	3	<.5
MA125-000	1.1	32.1	7.5	111	.1	21.9	8.0	471	2.03	49.5	.9	4.8	5.3	16	.7	.9	.4	36	.20	.076	17	19.8	.37	112	.038	<1	.91	.006	.05	3.1	.04	1.7	.2	<.05	3	.6
MA125-050S	1.0	21.1	8.4	66	.1	19.1	7.2	311	2.11	113.3	.8	15.0	3.1	10	.3	.9	.2	33	.13	.059	15	20.1	.35	73	.027	<1	1.00	.005	.05	.7	.04	1.6	.2	<.05	3	.5
MA125-100S	1.2	63.0	69.3	277	1.3	22.4	8.4	1156	2.41	182.9	1.4	21.3	4.6	24	1.4	1.5	1.4	39	.39	.057	24	24.6	.51	217	.021	2	1.38	.006	.08	5.8	.05	2.9	.3	<.05	4	.5
MA135-400N	.9	27.7	31.2	111	.3	19.4	8.7	550	2.15	199.7	2.4	34.5	5.4	15	.9	1.0	.7	37	.18	.078	22	19.9	.40	149	.033	<1	1.03	.005	.05	2.4	.03	2.4	.2	<.05	3	.5
MA135-350N	.8	36.4	15.1	214	.3	22.8	8.4	533	2.42	176.2	1.9	21.7	4.9	15	1.3	1.2	.6	40	.20	.070	21	21.9	.41	153	.035	<1	1.04	.006	.05	2.4	.05	2.4	.2	<.05	4	<.5
MA135-300N	1.3	45.7	12.9	357	.3	29.7	13.2	979	3.05	201.3	1.7	26.9	2.3	13	2.5	1.1	1.0	53	.12	.083	20	31.4	.57	165	.037	2	1.74	.007	.08	2.0	.05	2.7	.3	<.05	6	.9
MA135-250N	1.2	42.0	10.2	289	.2	24.2	9.0	587	2.73	331.5	1.6	29.3	1.7	14	2.0	1.4	.9	47	.11	.064	18	28.4	.48	144	.027	1	1.59	.007	.07	2.3	.06	2.1	.3	<.05	5	.7
MA135-200N	1.8	83.2	14.0	543	.4	29.0	16.1	1066	2.69	553.8	3.4	92.0	10.6	46	9.8	2.3	1.1	38	.28	.068	28	25.7	.48	265	.042	<1	1.97	.008	.13	2.8	.04	4.6	.4	<.05	6	<.5
MA135-150N	1.1	87.2	8.0	317	.4	19.2	7.5	393	2.16	212.5	1.2	36.4	4.5	14	2.0	2.6	1.4	33	.24	.057	18	22.1	.43	138	.027	1	1.11	.005	.07	5.7	.03	2.2	.2	<.05	3	.5
MA135-100N	1.2	89.2	6.7	376	.6	20.0	7.0	380	2.28	167.7	1.0	44.2	4.0	16	2.0	1.3	2.3	34	.26	.062	17	24.1	.45	149	.031	2	1.14	.006	.08	7.1	.02	2.6	.2	<.05	4	.6
MA135-050N	.9	203.6	4.7	624	1.0	17.2	5.4	456	2.10	125.2	.9	39.2	2.6	18	4.5	1.2	1.9	35	.36	.080	16	24.3	.47	175	.030	2	1.20	.006	.06	10.1	.03	2.7	.2	<.05	3	.7
MA135-000	1.6	152.7	6.9	316	1.0	21.4	6.9	433	2.91	183.9	1.0	89.6	2.8	13	1.3	1.4	8.8	39	.14	.046	15	25.0	.43	144	.029	1	1.27	.005	.07	10.0	.04	2.9	.3	<.05	4	.8
MA135-050S	1.6	543.3	7.2	1130	1.2	24.6	13.7	1088	3.29	530.2	1.3	208.2	4.8	19	11.3	1.3	8.3	37	.25	.066	19	23.4	.46	160	.044	4	1.13	.006	.06	10.1	.02	2.8	.2	<.05	4	.8
MA135-100S	1.6	61.1	8.5	127	.2	25.7	9.8	458	2.74	108.1	1.5	17.7	4.1	21	.9	1.5	.9	49	.23	.077	18	29.5	.55	218	.047	1	1.52	.008	.10	1.4	.05	3.4	.3	<.05	4	.5
MA145-400N	1.3	38.1	17.2	170	.3	22.5	10.0	609	2.70	100.4	1.9	10.7	1.7	11	.9	.7	1.0	49	.09	.062	19	27.2	.47	129	.030	<1	1.59	.005	.06	2.1	.04	2.3	.2	<.05	5	.6
MA145-350N	1.3	47.6	23.5	270	.3	24.8	11.5	714	3.03	121.6	2.1	7.2	2.2	13	1.3	.9	1.0	52	.10	.064	20	31.6	.55	164	.036	1	1.79	.007	.08	2.6	.04	2.9	.3	<.05	5	.7
MA145-300N	.9	19.0	10.0	87	.1	15.2	5.5	303	2.47	32.4	.8	28.4	.8	8	.6	.6	.4	50	.07	.046	14	25.9	.37	87	.033	2	1.38	.005	.04	.8	.05	1.5	.2	<.05	5	.6
MA145-250N	1.1	23.8	10.8	97	.1	17.5	6.7	327	2.61	52.2	1.0	11.8	1.3	10	.7	.8	.5	54	.08	.041	17	26.1	.35	112	.033	1	1.25	.005	.05	2.3	.04	1.7	.2	<.05	5	<.5
MA145-200N	1.4	49.6	23.9	412	.3	28.3	12.4	659	3.18	148.1	1.2	13.0	1.8	13	2.0	.8	.9	56	.13	.070	16	33.3	.52	152	.037	1	1.90	.007	.06	2.2	.08	2.4	.3	<.05	6	.8
RE MA145-200N	1.4	45.1	23.0	409	.3	25.3	11.4	589	3.05	146.0	1.2	7.3	1.6	13	1.8	.8	.8	54	.12	.068	15	30.6	.50	146	.040	1	1.80	.007	.06	2.2	.06	2.4	.3	.06	6	.8
MA145-150N	2.1	93.4	554.8	1241	7.3	26.9	11.7	5190	3.66	220.8	3.7	26.4	8.6	31	10.7	1.2	12.9	47	.35	.080	31	29.0	.66	150	.045	1	1.63	.011	.09	4.0	.05	4.3	.3	<.05	6	.7
MA145-100N	1.1	50.0	16.1	573	.4	25.6	11.7	900	2.64	162.7	1.5	23.3	5.6	17	5.2	1.1	.6	46	.21	.067	23	28.0	.49	168	.050	1	1.41	.006	.09	2.4	.05	3.5	.3	<.05	4	.7
MA145-050N	1.6	26.6	12.5	173	.2	16.6	7.1	393	2.59	91.2	.8	6.3	1.0	10	1.1	.9	.4	60	.07	.066	14	26.1	.32	108	.034	<1	1.56	.005	.05	.9	.07	1.7	.2	<.05	7	.6
MA145-000	.7	48.0	8.0	371	.3	21.6	9.3	490	2.17	187.5	1.0	13.3	5.8	16	2.9	.8	.5	37	.19	.057	21	23.4	.49	110	.045	<1	1.30	.005	.09	1.4	.03	2.6	.3	<.05	4	.8
MA145-050S	.9	27.5	8.2	88	.2	24.6	9.6	719	2.36	50.7	1.3	7.4	6.0	17	.3	.7	.3	41	.18	.062	23	25.0	.47	134	.050	<1	1.19	.006	.10	.5	.02	2.9	.3	<.05	4	<.5
MA145-100S	.7	18.3	8.7	68	.1	15.5	5.4	207	2.14	30.0	.6	2.8	2.6	11	.3	.8	.2	35	.14	.065	13	21.0	.39	76	.029	1	1.32	.004	.05	.5	.04	2.1	.2	<.05	4	<.5
MA145-150S	.9	19.3	8.0	177	.1	16.6	6.0	299	2.37	68.5	.6	6.3	2.3	12	.7	.9	.3	40	.12	.054	15	24.0	.44	90	.034	1	1.22	.005	.06	2.3	.03	2.1	.2	<.05	4	.6
MA145-200S	1.0	19.1	9.4	67	.1	14.9	4.6	216	2.21	93.2	.7	6.1	1.0	9	.4	.8	.3	50	.07	.063	12	22.7	.29	93	.025	<1	1.16	.004	.05	.5	.06	1.5	.3	<.05	5	.5
MA155-400N	1.0	28.7	15.6	115	.4	17.1	8.4	638	2.31	122.3	2.8	17.1	3.6	13	.8	.7	1.3	43	.13	.063	21	23.6	.44	175	.038	1	1.39	.007	.06	3.4	.05	2.4	.2	<.05	4	.5
MA155-350N	1.4	31.2	18.2	141	.2	17.2	8.3	662	2.71	157.6	1.9	4.4	1.2	11	.9	.9	1.2	49	.09	.066	18	24.9	.45	119	.028	1	1.45	.005	.06	1.9	.04	1.8	.2	<.05	5	.5
MA155-300N	1.2	54.4	19.4	228	.9	19.9	8.6	998	2.88	176.5	1.6	18.3	1.2	12	1.4	1.1	1.5	49	.10	.070	22	29.0	.42	116	.025	1	1.52	.007	.09	2.3	.05	2.0	.4	<.05	5	.9
MA155-250N	2.1	84.9	54.3	289	1.2	12.5	8.9	780	3.86	397.8	13.4	19.6	20.0	40	3.6	3.3	5.0	33	.28	.094	44	22.7	.31	180	.009	1	1.12	.005	.16	4.7	.03	5.0	.5	.06	5	.5
STANDARD DS5	13.3	145.8	25.2	140	.3	24.6	12.3	797	3.02	18.4	6.3	45.8	2.9	49	5.4	3.9	6.4	66	.76	.099	13	188.6	.70	139	.099	16	2.02	.034	.14	5.0	.19	3.4	1.1	<.05	7	5.0

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
MA155-200N	1.2	68.0	27.6	486	.4	32.9	17.1	1059	3.45	131.6	1.7	29.2	7.5	21	2.2	1.2	1.2	52	.19	.070	23	30.2	.54	186	.054	2	1.65	.008	.09	7.0	.06	4.0	.2	<.05	5	.5
MA155-150N	1.0	50.9	62.1	291	.5	23.5	9.9	513	3.03	119.4	1.3	17.4	4.9	17	1.5	1.2	1.0	48	.16	.067	23	30.4	.50	150	.044	1	1.57	.008	.13	1.9	.06	3.2	.4	<.05	5	.7
MA155-100N	1.0	36.5	12.3	287	.2	28.8	12.7	552	3.22	62.2	1.3	18.1	7.8	16	1.7	.8	.4	55	.19	.067	22	32.6	.56	183	.066	1	1.63	.007	.13	1.8	.07	3.3	.3	<.05	5	.5
MA155-050N	.9	50.7	10.6	555	.2	23.3	14.3	891	2.49	102.8	1.3	17.7	7.9	29	6.0	.9	.9	43	.27	.067	23	26.0	.53	95	.049	1	1.46	.006	.09	11.3	.02	3.6	.3	<.05	4	<.5
MA155-000	.9	30.9	7.9	208	.1	21.4	7.8	336	2.52	20.5	.7	4.1	4.1	15	1.0	.7	.3	48	.19	.062	17	28.1	.55	122	.062	2	1.57	.007	.07	.5	.04	2.8	.2	<.05	4	<.5
MA155-050S	1.0	42.9	7.8	127	.1	38.1	14.3	428	3.16	41.6	1.3	5.1	7.6	23	.6	1.0	.3	48	.22	.062	20	33.5	.73	254	.099	1	1.96	.010	.29	.5	.03	4.5	.4	<.05	6	<.5
MA155-100S	1.1	33.2	8.7	87	.1	29.0	12.7	379	2.84	37.3	1.3	6.4	5.7	20	.4	.9	.3	48	.16	.065	21	26.7	.55	168	.053	1	1.67	.008	.12	.5	.04	3.2	.3	<.05	5	.5
MA155-150S	1.1	23.7	9.3	80	.1	20.7	9.0	348	2.76	41.1	.8	25.7	4.0	10	.4	.9	.3	51	.09	.042	17	27.6	.43	79	.052	1	1.27	.005	.07	1.7	.06	2.3	.3	<.05	4	.5
MA155-200S	1.1	40.7	8.9	159	.3	25.7	14.9	510	2.57	225.1	1.4	23.4	7.1	17	1.5	1.0	.8	48	.21	.086	23	25.5	.37	127	.045	1	.98	.005	.07	3.5	.08	2.2	.2	<.05	3	.5
MA165-400N	1.3	28.3	30.6	127	1.4	18.2	8.3	588	2.37	340.6	1.6	17.6	2.0	13	.7	1.8	1.6	43	.15	.065	17	21.2	.35	92	.031	1	1.22	.005	.04	3.7	.06	1.7	.2	<.05	4	<.5
MA165-350N	1.3	73.7	21.4	199	.7	23.5	9.7	727	2.93	476.5	4.6	18.4	5.3	20	1.1	1.3	4.6	48	.23	.104	25	27.3	.52	215	.046	1	1.80	.009	.09	5.0	.06	3.1	.3	<.05	5	<.5
MA165-300N	.9	28.3	13.5	110	.1	16.2	7.5	449	2.48	81.5	1.0	8.2	1.6	10	.8	.9	.7	44	.09	.045	15	24.1	.37	94	.031	1	1.41	.005	.04	1.9	.06	1.7	.2	<.05	4	<.5
MA165-250N	1.4	75.8	42.6	404	.9	26.2	9.7	1209	3.35	239.2	1.8	20.2	5.3	17	2.0	1.7	1.2	50	.16	.065	26	30.9	.52	171	.038	1	1.69	.007	.08	2.9	.04	3.9	.3	<.05	5	.7
MA165-200N	1.0	323.1	25.9	541	2.3	25.7	13.5	1008	3.30	877.4	1.7	84.2	7.1	21	3.2	1.3	8.3	47	.20	.062	25	32.3	.52	166	.053	1	1.67	.008	.12	7.2	.05	4.1	.3	<.05	6	.5
RE MA165-200N	1.0	319.7	26.5	581	2.5	24.6	14.0	1084	3.51	880.5	1.7	78.2	7.7	21	3.3	1.2	8.7	49	.20	.065	25	32.5	.55	169	.052	2	1.69	.008	.11	7.7	.05	4.1	.3	<.05	6	<.5
MA165-150N	1.0	65.0	14.7	475	.3	22.3	9.0	657	2.51	254.2	1.2	39.7	7.8	13	4.0	1.4	1.0	40	.13	.036	23	24.2	.43	192	.048	1	1.24	.005	.08	2.8	.04	3.1	.3	<.05	4	<.5
MA165-100N	.9	27.9	11.5	170	.1	15.4	6.7	480	2.44	98.7	.7	9.1	2.0	8	.9	.9	.4	42	.06	.040	16	24.8	.38	101	.038	1	1.38	.005	.07	1.3	.05	1.9	.2	<.05	5	<.5
MA165-050N	.9	184.2	19.1	1495	.8	24.1	11.7	647	2.50	652.2	1.1	130.9	7.0	24	20.5	.9	3.4	38	.28	.077	21	25.2	.53	110	.062	2	1.29	.008	.12	5.3	.02	2.7	.2	<.05	4	.6
MA165-000	1.1	28.2	14.5	135	.1	18.7	6.8	349	2.73	55.4	.7	3.4	2.2	11	.5	.8	.4	49	.10	.058	15	30.5	.48	119	.044	1	1.59	.006	.10	.7	.04	2.3	.4	<.05	6	<.5
MA165-050S	1.0	42.9	13.2	294	.4	22.3	9.8	516	2.55	64.2	.9	9.9	4.4	11	1.8	.9	.6	47	.12	.044	20	25.8	.46	130	.050	1	1.35	.006	.08	1.2	.05	2.4	.2	<.05	4	<.5
MA165-100S	1.2	68.8	12.1	139	.2	40.5	40.6	678	3.09	212.9	1.6	17.0	10.0	35	1.2	1.1	.8	44	.19	.078	25	28.0	.55	160	.057	1	1.68	.012	.18	2.0	.04	3.0	.4	<.05	4	.6
MA165-150S	1.5	69.1	12.4	158	.4	28.8	10.3	365	3.23	133.7	1.5	11.4	3.0	18	.9	1.1	.7	49	.10	.064	22	32.3	.52	166	.040	1	1.89	.010	.13	1.0	.06	2.7	.4	.06	5	<.5
MA165-200S	1.7	50.8	12.0	145	.2	28.9	15.3	523	3.25	132.5	1.4	27.8	4.1	23	.7	1.1	.7	54	.16	.084	21	32.5	.52	178	.049	2	1.94	.011	.14	1.3	.08	2.9	.4	<.05	6	.8
MA175-350N	1.6	49.6	22.0	205	.4	17.2	8.9	645	2.85	204.4	1.7	7.7	2.0	10	.9	1.1	2.4	47	.08	.072	15	26.2	.39	115	.025	<1	1.54	.005	.05	3.5	.08	2.1	.3	<.05	5	<.5
MA175-300N	1.3	69.0	11.1	409	.2	26.6	17.7	1068	2.89	244.9	1.4	20.5	5.7	12	3.1	2.4	1.3	42	.10	.046	20	25.4	.39	99	.041	1	1.31	.005	.07	6.6	.05	2.4	.3	<.05	4	.7
MA175-250N	1.0	76.8	16.9	357	.7	25.9	12.4	933	2.78	353.7	1.6	41.4	6.8	15	2.6	3.2	.8	41	.17	.055	22	25.9	.44	140	.046	1	1.49	.005	.11	3.4	.05	3.3	.3	<.05	5	.5
MA175-200N	1.1	83.5	33.0	464	1.0	23.1	9.9	1234	2.70	212.5	1.4	25.1	6.3	15	3.0	1.6	1.3	45	.17	.063	25	29.6	.47	142	.048	1	1.41	.006	.11	2.7	.06	3.5	.2	<.05	5	.5
MA175-150N	1.2	60.7	12.5	207	.4	19.9	9.0	633	2.63	90.4	.9	5.2	2.0	11	1.6	.7	.5	54	.10	.069	16	30.3	.40	128	.041	2	1.74	.007	.07	1.3	.08	2.3	.2	<.05	6	.5
MA175-100N	1.0	227.8	30.9	482	1.3	38.0	16.3	1276	2.75	365.9	1.4	48.6	7.4	15	4.0	1.0	2.6	42	.18	.063	23	25.5	.42	143	.047	<1	1.46	.007	.08	6.4	.06	3.0	.2	<.05	5	.7
MA175-050N	1.0	147.8	16.3	292	.5	22.5	9.2	712	2.57	240.2	.9	46.9	4.3	16	2.1	.8	1.6	40	.18	.058	19	23.8	.46	115	.052	1	1.22	.007	.09	2.4	.03	2.6	.2	<.05	4	<.5
MA175-000	1.7	188.8	44.2	714	1.6	31.4	14.2	1215	3.53	403.9	1.3	43.3	4.5	17	2.3	1.4	2.2	51	.15	.062	23	34.5	.57	162	.046	1	1.95	.007	.13	3.5	.08	3.4	.4	<.05	6	.5
MA175-050S	1.4	40.7	63.1	156	.5	17.2	7.3	611	2.54	118.7	.9	12.9	1.7	12	1.5	.9	.5	50	.09	.049	19	24.5	.36	174	.043	1	1.32	.006	.07	.9	.07	1.6	.3	<.05	5	<.5
MA175-100S	1.1	79.4	49.1	736	1.0	28.7	13.5	1166	2.91	464.7	1.9	58.1	6.8	15	6.3	1.4	2.0	44	.17	.072	26	25.4	.40	115	.039	1	1.14	.005	.08	4.0	.07	2.6	.2	<.05	4	<.5
MA175-150S	1.6	73.6	49.6	329	1.9	21.5	11.1	946	3.36	372.8	1.7	18.6	1.3	15	3.1	1.7	1.7	51	.08	.096	23	28.6	.40	158	.024	2	1.67	.008	.09	1.4	.10	1.7	.4	.07	6	.6
STANDARD DS5	12.8	146.8	25.0	140	.3	23.9	11.9	799	3.08	18.8	6.3	43.9	2.9	49	5.6	4.0	6.6	63	.75	.095	12	189.4	.68	144	.098	16	2.12	.034	.14	4.8	.19	3.6	1.0	<.05	7	4.8

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



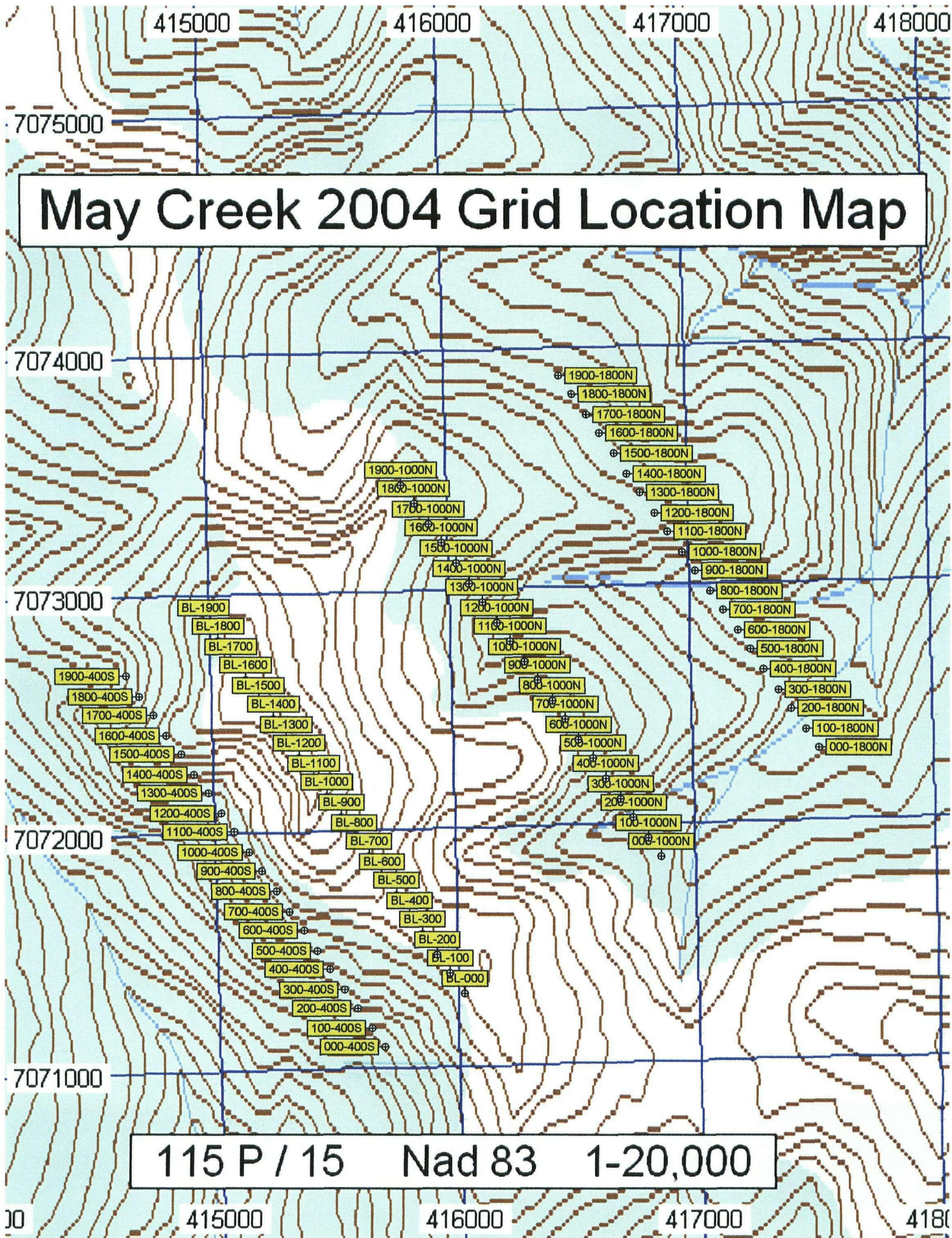
SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
MA175-200S	1.6	135.0	136.9	757	1.8	32.7	16.4	1678	3.55	248.5	2.2	22.5	3.7	22	6.0	1.3	1.4	54	.15	.093	24	32.8	.49	226	.035	2	1.86	.009	.12	1.2	.08	3.2	.3	.14	6	.8
MA950-000	1.7	41.1	10.2	112	.1	18.1	8.8	357	2.72	159.4	1.8	18.6	1.9	10	.6	1.1	1.5	53	.09	.054	16	31.6	.40	111	.031	<1	1.62	.006	.04	2.9	.05	2.0	.3	<.05	5	.7
MA950-050S	1.2	24.3	9.9	79	.1	21.3	9.8	391	2.38	25.0	1.0	5.8	4.5	10	.4	.8	.5	50	.09	.034	14	29.0	.46	125	.049	1	1.51	.006	.05	1.6	.04	2.7	.2	<.05	4	.9
MA950-100S	1.3	41.8	10.5	90	.1	25.5	9.8	352	2.48	23.0	1.1	4.1	3.9	21	.2	.9	.5	46	.13	.049	18	27.6	.51	172	.046	2	1.55	.007	.07	1.5	.03	2.9	.3	<.05	5	.9
MA950-150S	1.7	100.0	14.1	164	.2	37.0	22.6	634	3.48	310.1	2.0	22.2	3.3	25	1.1	5.4	2.9	42	.12	.073	22	27.7	.54	124	.023	1	1.82	.011	.12	2.5	.11	2.3	.7	.09	5	1.4
MA950-200S	1.3	87.6	12.8	168	1.2	26.6	18.5	737	3.46	254.1	2.1	142.8	4.2	33	1.2	8.4	2.0	39	.09	.084	24	28.2	.39	119	.019	2	1.51	.020	.15	2.1	.12	2.3	.9	.17	5	1.5
MA1050-000	1.4	71.2	13.8	182	.2	38.6	19.2	909	3.04	107.7	2.0	50.9	4.4	19	2.0	1.2	.4	51	.17	.105	24	32.4	.50	170	.039	1	1.77	.008	.11	1.6	.08	2.9	.3	<.05	5	1.2
MA1050-050S	1.2	20.2	12.9	57	.1	16.2	5.3	228	2.07	61.4	.8	3.4	.9	11	.2	.8	.2	43	.09	.048	11	22.9	.33	100	.027	1	1.18	.005	.05	.4	.05	1.4	.2	<.05	5	.8
MA1050-100S	2.3	160.0	74.6	342	2.4	37.2	25.7	1763	3.93	537.7	8.1	76.2	8.6	27	2.8	2.0	2.6	55	.22	.120	37	39.2	.68	206	.044	1	1.99	.010	.12	4.3	.09	5.3	.5	<.05	6	1.8
MA1050-150S	2.3	163.8	36.7	257	2.1	33.8	28.6	1262	3.76	560.2	5.3	78.2	8.9	29	2.5	5.5	2.8	53	.22	.104	32	40.5	.63	189	.044	1	1.98	.011	.19	4.9	.12	4.7	.9	<.05	6	1.8
MA1050-200S	3.4	154.6	132.6	491	2.1	40.5	21.4	10765	4.57	1617.4	5.4	115.5	7.7	24	4.0	8.6	3.0	51	.19	.085	36	30.3	.48	280	.026	1	1.48	.007	.08	7.7	.17	3.6	.6	<.05	5	1.4
MA0704501	.6	472.4	49.8	2151	2.8	13.1	7.4	883	9.87	227.4	1.1	27.0	8.4	20	31.7	.7	47.0	30	.15	.048	14	26.1	.28	272	.071	1	1.57	.017	.59	33.4	.04	3.1	5.0	.43	18	1.1
MA0704502	4.8	235.7	60.2	382	2.1	47.5	34.8	2849	4.56	871.5	6.4	178.1	9.7	38	3.6	3.2	4.4	59	.27	.093	31	51.7	.86	194	.056	2	2.07	.016	.16	12.9	.09	5.0	.6	.08	6	1.4
MA0704503	2.9	64.0	1243.2	438	19.5	22.1	9.8	572	5.28	1498.1	7.2	196.5	15.1	62	2.1	363.9	4.2	8	.16	.052	20	8.1	.09	136	.002	1	.53	.006	.26	.4	25.79	1.6	65.1	.57	2	1.9
MA0704504	1.3	197.5	120.2	993	2.4	32.2	20.7	3389	3.75	611.3	2.5	59.9	13.2	36	13.5	4.3	4.1	39	.36	.042	26	34.9	.70	81	.037	1	2.01	.005	.27	7.6	.05	4.5	.6	<.05	7	.6
MA0704505	.8	94.5	26.7	178	1.4	8.9	4.0	271	1.86	753.9	1.6	38.3	12.1	12	1.9	15.1	.7	12	.13	.022	28	8.5	.14	66	.003	<1	.60	.002	.10	1.5	.05	2.1	.3	<.05	2	.5
MA0704506	.7	4.9	15.8	64	<.1	6.1	5.0	612	1.77	10.6	10.0	1.6	14.4	20	.2	.6	1.1	24	.40	.102	29	8.8	.26	151	.050	<1	1.05	.007	.28	.5	.03	3.9	.6	<.05	6	.5
MAIF-001	.8	41.0	21.3	688	.3	25.0	9.7	905	2.26	88.7	1.2	16.2	6.8	18	3.8	.8	.9	35	.22	.071	21	21.7	.35	153	.035	3	1.03	.007	.05	1.1	.06	2.3	.2	<.05	4	.5
RE MAIF-001	.8	42.2	19.3	699	.4	24.2	9.6	890	2.31	87.3	1.1	20.5	7.1	19	4.0	.9	1.0	35	.23	.068	23	21.1	.36	162	.038	2	1.09	.007	.06	1.4	.05	2.6	.1	<.05	3	.5
MAIF-002	.8	30.8	20.8	164	.2	21.6	9.8	405	2.42	43.2	1.1	6.6	7.1	19	1.0	.7	.4	36	.16	.063	22	25.5	.45	181	.050	1	1.30	.018	.09	.4	.04	3.1	.3	<.05	4	.6
MAIF-003	.8	34.2	27.5	117	.3	29.7	11.2	639	2.88	178.5	1.6	69.7	5.3	21	.3	.9	.7	39	.13	.053	21	27.0	.50	201	.032	1	1.61	.010	.09	.6	.06	2.6	.2	<.05	5	.6
MAIF-004	1.1	41.3	19.9	686	.5	22.4	10.1	624	2.88	140.3	.8	5.3	2.1	22	5.3	1.0	3.5	43	.25	.056	13	24.8	.41	157	.040	3	1.20	.007	.12	.5	.10	1.8	.3	.08	5	.5
MAIF-005	1.4	57.7	13.2	133	.2	16.6	23.7	5302	2.96	258.0	2.8	31.8	13.3	116	.8	4.2	1.0	42	1.10	.084	54	29.2	.69	294	.009	<1	2.66	.008	.20	.3	.04	4.5	.3	<.05	6	.9
MAIF-006	.7	36.7	88.1	413	.6	21.6	11.8	826	2.56	221.7	1.4	59.2	11.2	21	2.6	2.6	1.5	33	.33	.053	25	33.0	.51	84	.012	<1	1.72	.004	.21	.1	.02	4.0	.4	<.05	6	1.0
MAIF-007	1.0	29.0	48.1	354	.2	32.8	28.0	842	2.95	241.8	1.4	31.1	4.5	33	1.3	1.1	.6	39	.17	.068	18	24.2	.43	127	.038	1	1.40	.007	.10	1.0	.03	2.3	.2	<.05	5	.8
MAIF-008	1.6	54.3	111.8	473	1.4	30.1	33.7	1625	3.25	350.8	3.8	25.4	3.9	39	2.3	1.4	1.1	46	.22	.111	23	29.6	.54	199	.044	1	1.91	.013	.11	1.2	.13	3.7	.3	.07	5	1.2
MAIF-009	1.1	67.9	140.1	1147	2.1	21.9	22.3	1942	3.87	148.8	10.3	17.5	7.3	81	5.6	2.0	1.3	48	.31	.106	42	34.2	.64	217	.028	1	1.68	.009	.09	2.2	.11	6.0	.3	<.05	5	1.2
MAIF-010	.7	74.3	101.1	1866	1.1	39.6	28.0	1662	4.12	305.8	2.0	52.0	7.1	58	9.9	.9	3.7	69	.59	.125	21	33.8	.97	262	.101	2	2.25	.024	.23	2.3	.06	5.7	.4	<.05	8	1.0
MAIF-011	.9	62.8	45.5	1068	.6	33.4	24.0	1048	3.61	477.9	1.6	149.3	7.1	41	7.3	1.1	3.1	60	.65	.266	20	24.5	.60	234	.071	1	1.73	.011	.17	6.8	.06	4.4	.3	<.05	5	.7
MAIF-012	1.3	338.2	1396.6	6116	13.9	25.6	37.3	6426	5.89	1717.1	2.2	56.3	9.6	46	66.9	9.7	14.4	56	.74	.272	20	24.9	.81	155	.034	2	2.62	.012	.20	3.6	.06	6.1	.5	.06	9	1.3
MAIF-013	1.0	59.9	225.5	1936	1.9	29.8	23.8	2297	3.29	783.5	1.5	35.0	4.7	36	21.9	1.9	2.2	41	.29	.105	20	25.7	.49	172	.034	2	1.74	.013	.10	4.1	.06	3.1	.3	.08	6	.5
MAIF-014	.6	171.1	607.9	2065	5.9	28.4	22.9	3596	4.27	687.4	1.1	19.9	8.1	40	19.3	3.3	11.6	57	.82	.234	23	24.9	.78	128	.034	1	2.29	.011	.19	1.2	.04	5.3	.8	<.05	8	.5
MAIF-015	.5	87.6	118.4	1909	11.7	31.8	16.6	3350	3.23	523.5	1.3	32.4	8.5	50	17.5	4.6	1.8	41	.44	.059	27	36.1	.74	135	.046	2	1.96	.008	.21	2.4	.06	4.4	.4	<.05	7	.5
MAIF-016	.9	57.0	63.5	325	.6	38.5	29.3	2208	3.32	717.7	2.0	33.5	6.0	41	2.0	1.7	.7	46	.26	.076	23	38.5	.55	217	.038	2	1.94	.010	.20	1.6	.07	4.0	.4	<.05	7	.7
STANDARD DS5	12.4	145.2	25.4	137	.3	25.5	11.8	786	3.02	18.0	6.2	38.4	2.7	46	5.4	3.7	5.9	63	.73	.093	11	191.4	.65	135	.096	16	1.96	.032	.13	4.9	.16	3.3	1.0	<.05	6	4.8

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

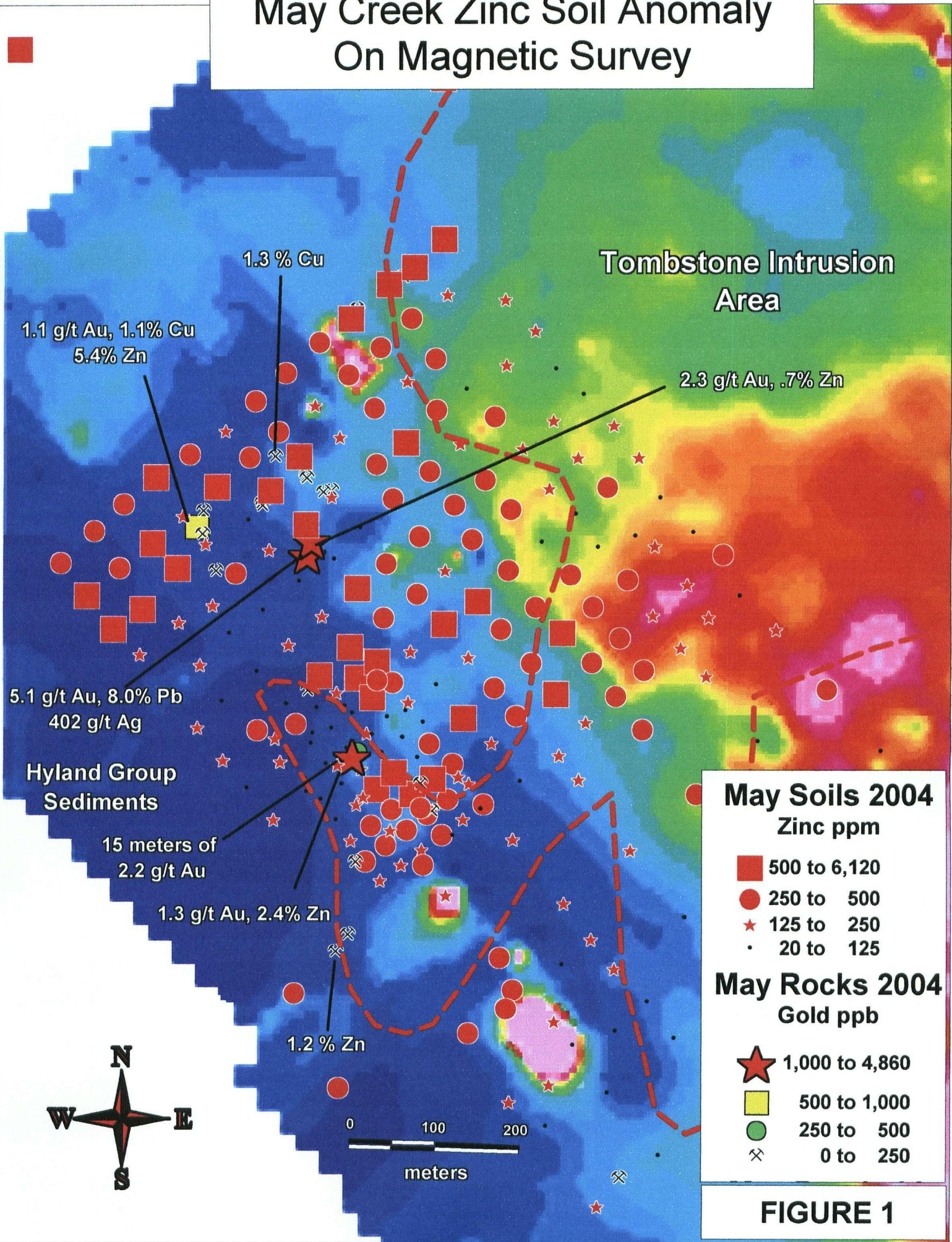


SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
MAIF-017	.9	23.4	30.7	158	.2	22.2	11.4	1463	2.73	471.6	1.3	11.5	2.0	21	.8	1.8	.3	46	.18	.065	19	30.1	.48	132	.035	2	1.72	.008	.11	.8	.07	2.3	.3	.07	6	.5
MAIF-018	.8	32.1	37.4	192	.2	26.7	16.1	847	2.34	340.7	1.4	26.8	4.5	21	1.3	.8	.4	40	.20	.065	20	24.4	.44	202	.040	2	1.50	.009	.10	2.4	.04	2.4	.2	<.05	4	<.5
MAIF-019	.6	30.5	24.2	134	.1	21.9	11.1	631	2.30	304.4	1.2	24.1	5.6	22	.6	.8	.2	38	.21	.059	19	24.9	.46	166	.034	2	1.44	.007	.10	2.2	.03	2.5	.2	<.05	5	.5
STANDARD	12.2	140.9	25.0	135	.3	24.8	12.6	770	2.91	18.3	6.5	41.5	2.7	47	5.7	3.4	6.2	62	.70	.096	13	180.2	.66	136	.102	16	2.11	.034	.13	4.9	.18	3.4	1.0	<.05	7	4.9

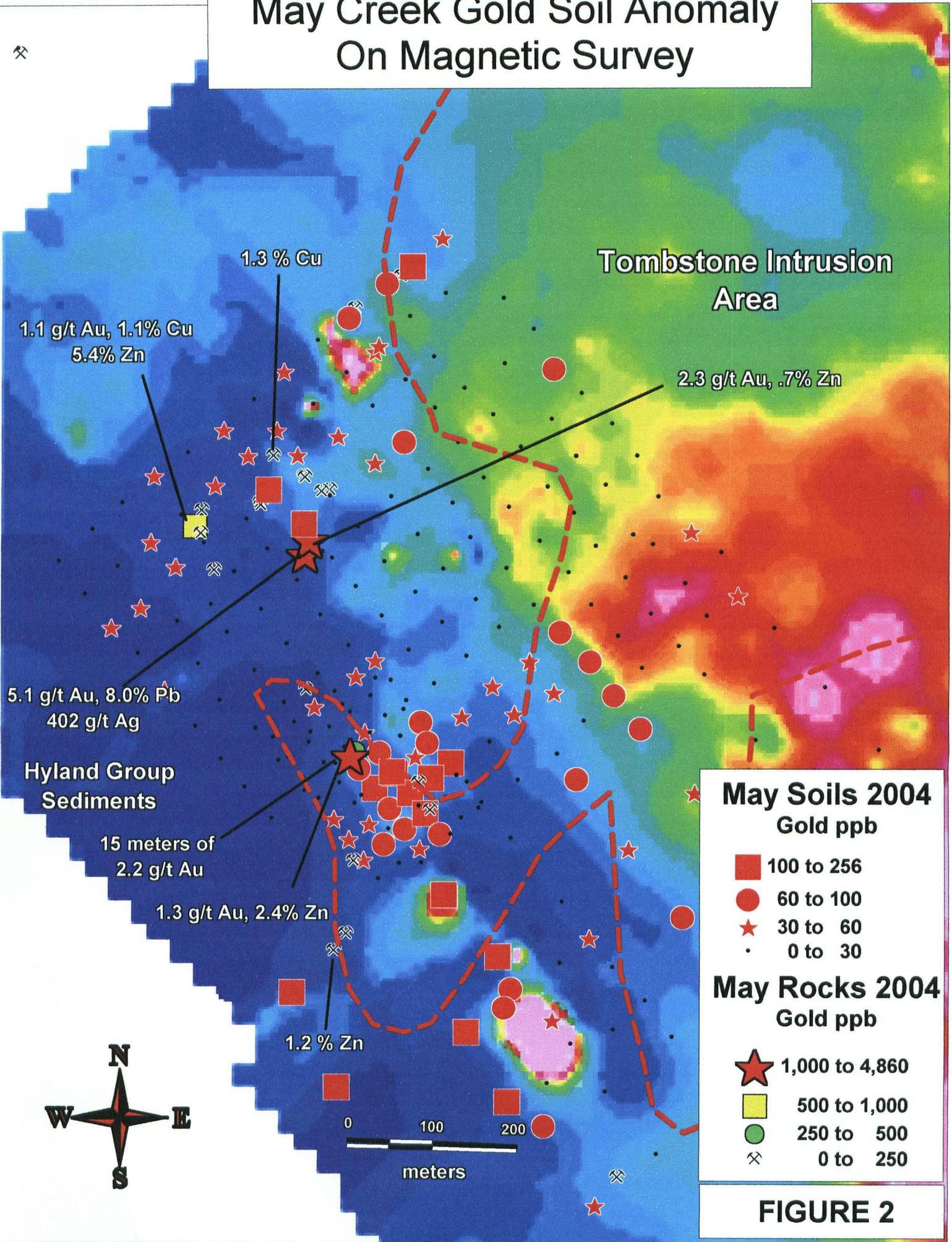
Standard is STANDARD DS5.



May Creek Zinc Soil Anomaly On Magnetic Survey



May Creek Gold Soil Anomaly On Magnetic Survey



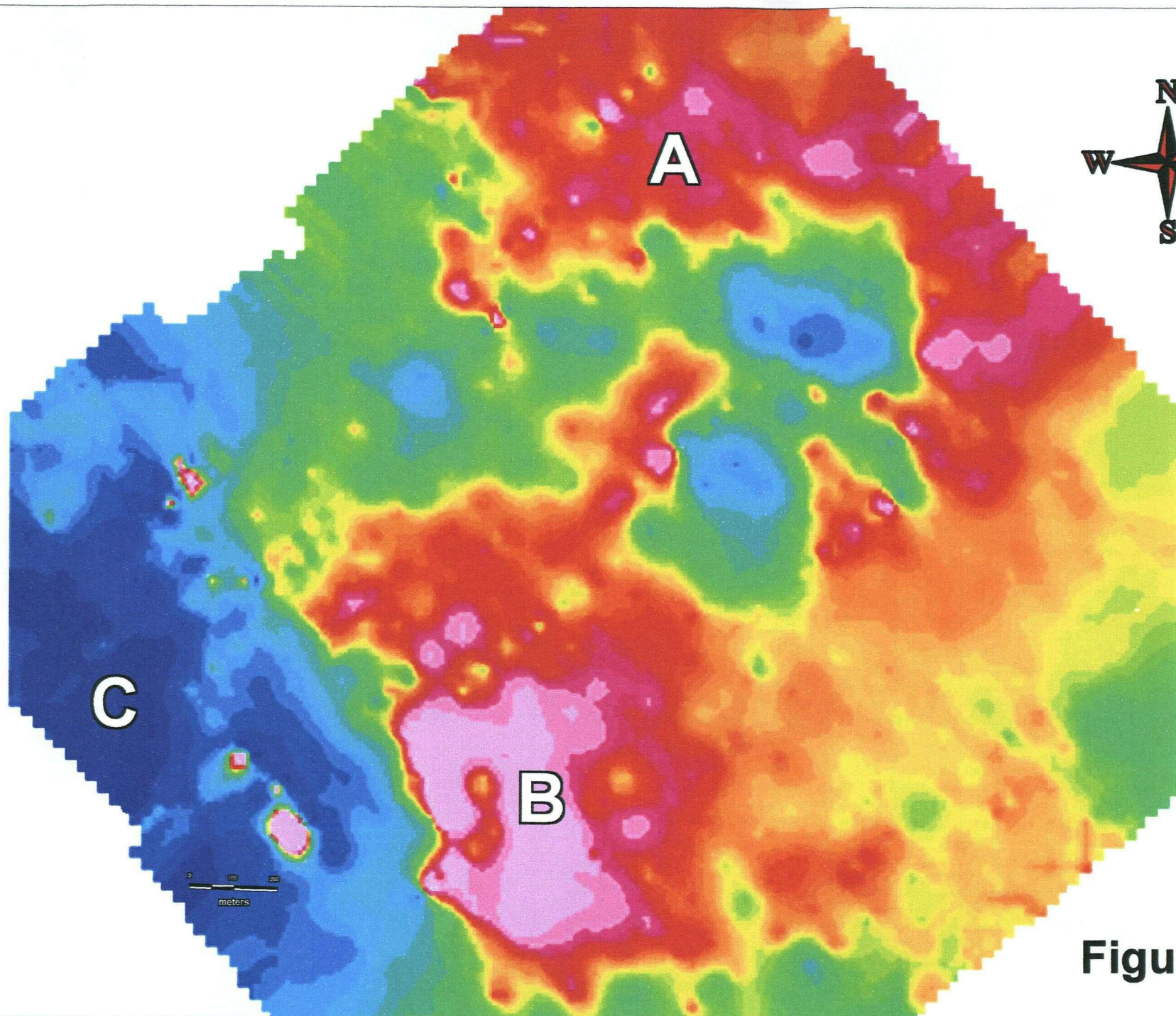


Figure 3

MAY CREEK 2004 MAGNETIC SURVEY ANOMALY MAP



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DATE DUE