

**YUKON MINING INCENTIVE PROGRAM
REPORT
On the
TOE CLAIMS
FOCUSED REGIONAL PROGRAM CARMACKS AREA, YUKON**

Whitehorse Mining District, Yukon

Work Completed June 29-July 2 and August 28-September 5, 2007

Location: 1. 89 km NNW of Carmacks, Yukon
2. NTS Map Area 115 I-11
3. Latitude: 62° 39' 17"N
Longitude: 136° 21' 44"W

For: BCGOLD CORP
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January 31, 2008

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1.0 SUMMARY

The Toe property comprised of 41 claims, approximately 89 km NNW of the Carmacks in the Whitehorse Mining District of central Yukon. The claims were originally staked by Shawn Ryan of Dawson City, Yukon and are currently optioned to BCGOLD Corporation. The history of exploration in the area stretches back to the turn of the century when copper mineralization was first discovered at Williams Creek some 40 km south of the Minto copper-gold deposit. Foliated and non-foliated granitic rocks of the Early Jurassic Aishihik Suite underlie most of the property although rock exposures are poor comprising less than 10% of the area. Work completed in 2007 included MMI (Mobile Metal Ion) soil sampling, mapping, prospecting and rock sampling. A total of 246 MMI soil samples including duplicates and blanks and were collected during the periods June 28 - July 2 and August 28 - September 5, 2007. MMI samples were submitted to SGS Canada Inc. in Toronto for MMI analyses. Two days were spent prospecting and traversing by Ann and Peter Ledwidge, and a total of 6 rock samples were collected.

2.0 INTRODUCTION AND TERMS OF REFERENCE

The Toe Claim group is owned 100 % by Shawn Ryan of Dawson City Yukon subject to an option agreement with BCGOLD CORP whereby BCGOLD can earn a 100% interest in the Toe Claims as part of a larger 710 claim group located in the Carmacks copper-gold belt which hosts the Minto and Williams Creek deposits.

The purpose of this report is to summarize the work completed between June 28-September 5 on the Toe 1-76 claims to comply with reporting requirements under the Yukon Mining Incentive Program.

3.0 RELIANCE ON OTHER EXPERTS

This report is based upon the results of fieldwork partially supervised by the author, publicly-available assessment reports, and certain private reports prepared for and provided by BCGOLD CORP. There is no reason to believe that any of this information is incorrect.

The author has relied on information provided by the Yukon Mining Recorder to describe the mineral tenure status of the property and believes, to the best of his knowledge, that this information is correct.

MMI sampling was carried out by crews from Ryanwood Explorations Inc. Prospecting, , and sample data compilation and plotting was completed by Gary Lustig, M.Sc., P. Geo. of G. N. Lustig Consulting Ltd. Prospecting and sampling was carried out by Ann and Peter Ledwidge employed by Aurum Geological Consultants Inc.

4.0 PROPERTY DESCRIPTION AND LOCATION

The Toe claims are located 89 kilometres NNW of Carmacks, in the central Yukon (Fig. 1). The property falls within the Whitehorse Mining District on NTS map sheets 115I/11 and is centred at 62° 39' 17" north latitude and 136° 21' 44" west longitude. The claims cover favourable geology and regional airborne magnetic anomalies and Regional Stream Sediment anomalies that are prospective for Minto and Williams Creek style copper-gold mineralization. The mineral claims are registered to Shawn Ryan of Dawson City, Yukon and are under an option agreement to BCGOLD CORP.

TABLE 1 - CLAIM DATA

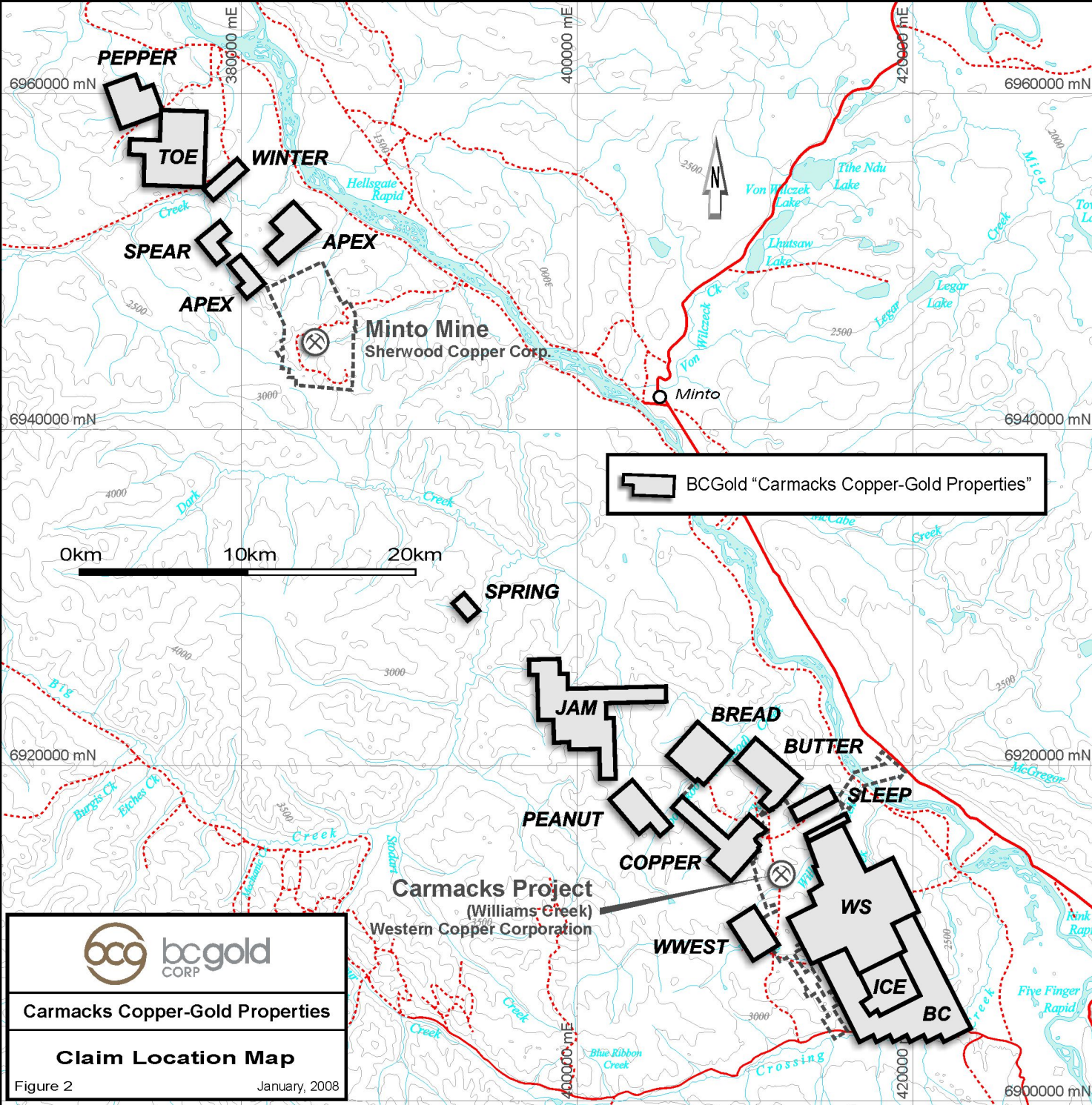
Claim Name	Grant Number	No. Of Claims	Expiry Date
Toe 1-24	YC46628-YC46651	24	March 20, 2008
Toe 25-60	YC46674-YC46709	36	April 04, 2008
Toe 61-76	YC66548-YC66563	16	November 21, 2008


In accordance with the Yukon Quartz Mining Act, yearly extensions to the expiry dates of quartz claims are dependent upon conducting \$100 of work per claim or paying the equivalent cash in lieu of work. Work must be filed in the year the work was completed. Excess work can be used to extend expiry dates up to maximum of four years. Assessment costs can be applied to adjoining claims through filing grouping certificates. Filing a statement of work and costs and submission of an assessment report to the Whitehorse Mining Recorder verifying completion of the work, are also required no later than six months after the anniversary date of the claim.

The claims are located within the Traditional Territory of the Selkirk First Nation, which has a land claim settlement Agreement under the Yukon Umbrella Final Agreement.

5.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

Access to the property is by helicopter from Carmacks. Low precipitation and a wide temperature range characterize the climate. Winters are cold, and temperatures of -30° C to -40° C are common. Summers are moderately cool to hot, with daily highs of 15° C to 30° C. The Town of Carmacks is the closest centre for obtaining groceries, fuel, accommodation and some limited rental and contracted exploration services. Trans North Helicopters maintains a summer helicopter base at Carmacks



 BCGold "Carmacks Copper-Gold Properties"

	
Carmacks Copper-Gold Properties	
Claim Location Map	
Figure 2	January, 2008

Carmacks Project
 (Williams Creek)
 Western Copper Corporation



6.0 HISTORY

Companies may have explored the area covered by the TOE 1-76 claims during the Minto exploration and development stages but no reference to prior work has been located.

7.0 GEOLOGICAL SETTING

7.1 Regional Geology

The Toe claims are located approximately 13 kilometres northwest of the Minto copper-gold deposits owned by Sherwood Copper Corp. This area of the Yukon is bounded by the Stikinia Terrane rocks to the east, Yukon Tanana Terrane rocks to the north and the Coast Plutonic Complex rocks to the west. The Minto and Williams Creek copper-gold deposits are hosted within foliated biotite rich granodiorite and granitic rocks of the early Jurassic Aishihik Suite. To the north and northwest the Aishihik Suite intrusive rocks are overlain by Tertiary (?) and Quaternary Selkirk Volcanics primarily basalt flows.

7.2 Property Geology

The Toe 1-76 claims are underlain primarily by foliated to non-foliated hornblende-biotite granodiorite with aplite dykes. Foliations are generally northwest trending and dip at 20-30 degrees to the northeast. As is typical elsewhere in the belt, outcrop is poor to scarce. The only work carried out on the Toe claims was MMI sampling and an airborne magnetic and radiometric survey, and two days of prospecting and rock sampling.

8.1 Mobile Metal Ion (MMI) Soil sampling

MMI sampling was completed over most of the Toe claims. A total of 246 samples were collected and were just recently submitted to SGS Mineral Services in Toronto. MMI sampling is a relatively new analytical process that measures mobile ion elements and is believed to be able to detect deeply buried mineralization. Results from the sampling will be reported in an amended report when sample results are received and processed.

Samples were collected using soil augers and mattocks whichever was appropriate depending on vegetative cover and the thickness of the organic horizon. Generally samples were collected 10-25 cm below the base of the organic horizon, were placed in a plastic zip-lock bag and then into a pre-numbered Kraft soil bag. The auger or mattock was cleaned after each sample with a jay cloth to avoid contamination.

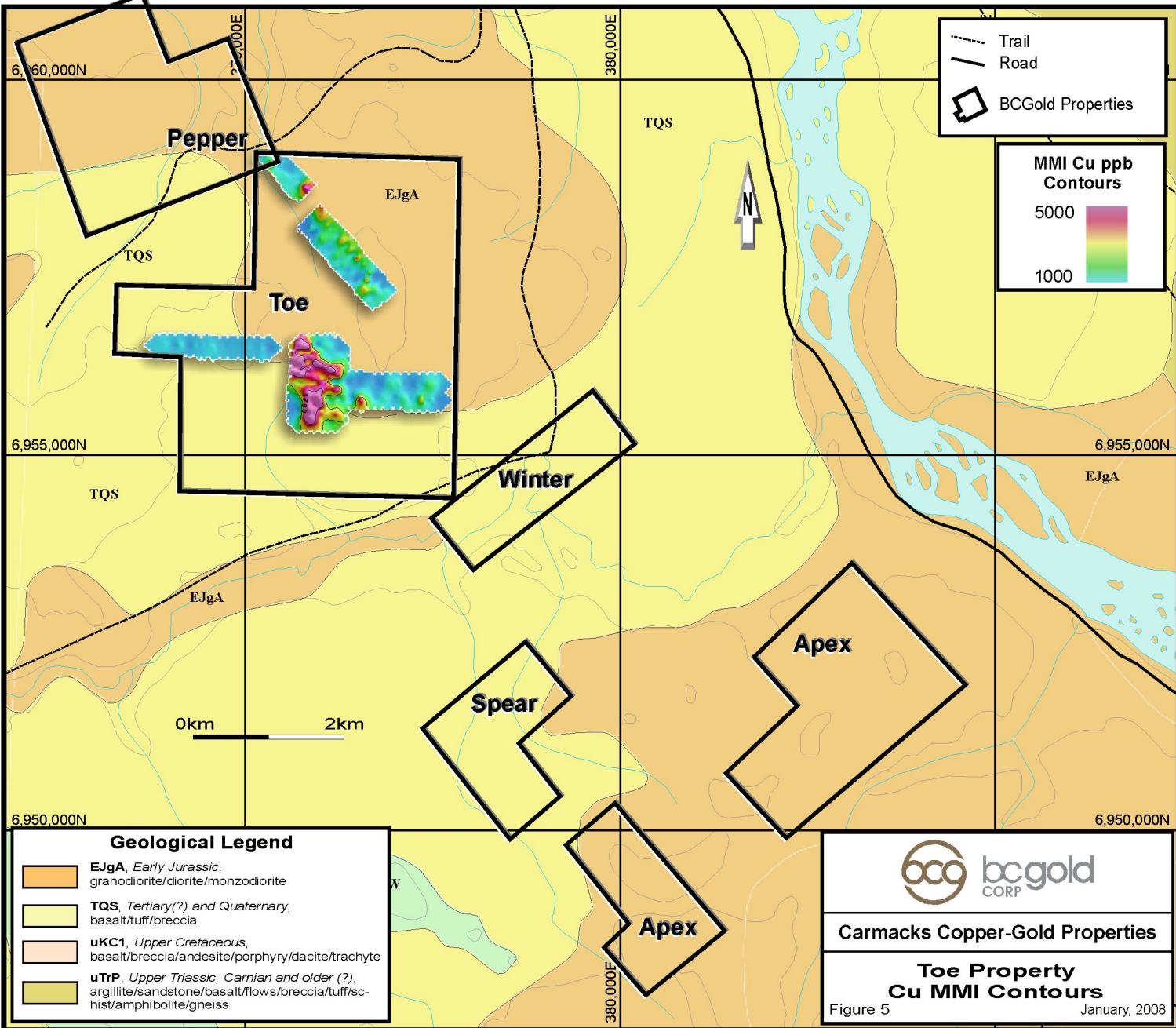
At each sample location, a GPS reading was taken using the pre-numbered soil sample bag for reference. In a palm pilot, the following data was recorded:

Primary colour
Secondary colour
Sample site slope
Sample depth in cm
Sample quality (1-5)
Sample soil horizon
Sample site vegetation
Sample site ground cover
3 fields for notes
1 field for Freehand comments

Samples were shipped to SGS Mineral Services in Toronto where they were analysed using a weak acid leach. Sample analytical data was then merged with GPS and field data. With MMI samples the normal procedure is to determine the average value of the sample population and then divide each individual sample by the sample average to determine a ratio value, which is then plotted using percentile ranges to indicate anomalous areas.

8.2 Rock Sampling Prospecting and Mapping

Peter and Ann Ledwidge spent two days prospecting, mapping and rock sampling on the Toe Claims. Their work included collecting 6 rock samples on the claims. All samples were from foliated to non-foliated hornblende–biotite granodiorite and no significant anomalies were detected. All samples returned assays of <0.03 in gold and <0.01% copper. A table of sample results and GPS coordinates are found in Appendix B.



- - - Trail
 — Road
 BCGold Properties

MMI Cu ppb Contours
 5000
 1000

Geological Legend

- EJgA, Early Jurassic, granodiorite/diorite/monzodiorite
- TQS, Tertiary(?) and Quaternary, basalt/tuff/breccia
- uKC1, Upper Cretaceous, basalt/breccia/andesite/porphyry/dacite/trachyte
- uTrP, Upper Triassic, Carnian and older (?), argillite/sandstone/basalt/flows/breccia/tuff/schist/amphibolite/gneiss

bcgold CORP
Carmacks Copper-Gold Properties

Toe Property
Cu MMI Contours
 Figure 5 January, 2008

8.0 INTERPRETATION AND CONCLUSIONS

The area of the Toe 1-76 claims is underlain primarily by Aishihik Suite foliated and non-foliated hornblende-biotite granodiorite with late aplite dykes. Prospecting and rock sampling failed to return any significant anomalies. The MMI sampling outlined a significant anomalous area of copper in the south central portion of the claim block. The sampling should be extended around this area to close off the anomaly. One or more An IP lines should be completed across this anomalous area.

Respectfully submitted;

R. Allan Doherty, P.Geol.
January 31, 2008

9.0 STATEMENT OF COSTS

Toe Claims, NTS 115-I-07

MMI Soil Sampling and Prospecting and Rock Sampling

Application Budget \$30,700

Detailed Statement of Work Toe CLAIMS

MMI Soil sampling 11 man days @ \$ 325/day	\$ 3,575.00
MMI Soil sample analyses (246 samples @ \$ 40/sample)	\$ 9,840.00
Prospecting and sampling 4 man days @ \$650 ea	\$ 2,600.00
6 Rock samples @ \$20 each	\$ 120.00
Helicopter Costs (5.0 hrs @ \$1200/hr)	\$ 6,000.00
Mob/de-mobilization 4 man days @ \$325/day	\$ 1,300.00
Meals 15 man days @ \$ 25 ea	\$ 376.00
Data Interpretation and Report	\$ 1,000.00
Total	\$ 24,811.00

R. Allan Doherty, P. Geo
January 31, 2008

10.0 CERTIFICATE OF QUALIFICATIONS

I, R. Allan Doherty, hereby certify that:

1. I am a consulting mineral exploration geologist with AURUM GEOLOGICAL CONSULTANTS INC., 106A Granite Road, Whitehorse, Yukon, Y1A 2V9.
2. I am a graduate of the University of New Brunswick, with a degree in geology (Hons. B.Sc., 1977). I attended graduate school at Memorial University of Newfoundland, 1978-80. I have been involved in geological mapping and mineral exploration primarily in the Yukon continuously since 1980.
3. I am a "Qualified Person" as defined in Sec 1.2 of National Instrument 43-101.
4. I am a member in good standing of the Association of Professional Engineers and Geoscientists of the Province of British Columbia, Registration No. 20564, and have been registered as a Professional Geologist since 1993.
5. I am the author of this report on the Toe Toe 1-76 Claims. The report is based on fieldwork conducted in 2007 under the author's supervision and on published assessment reports and company files.
6. I am the author of all sections of this report
7. I am not aware of any material fact or material change with respect to the subject matter of this technical report, which is not reflected in the technical report, the omission to disclose makes the technical report misleading.
8. I am independent of the Issuer and have no direct or indirect interest in the properties or securities of BCGOLD Corporation or affiliated companies, nor do I expect to receive any.
9. I have had direct involvement with the exploration programs conducted on the area discussed in this report.
10. I have read National Instrument 43-101 and Form 43-101F and have prepared this Report on the Peanut1-28 in compliance with this Instrument and Form 43-101F1.

"R. Allan Doherty, P. Geo."

January 31, 2008

11.0 REFERENCES

Sinclair, W.D., 1977. Geology and mineral deposits of the Minto area, Yukon Territory. In: Yukon Mineral Industry Report 1977, Geology Section, Yukon Region, Indian and Northern Affairs, Canada, p 68-82.

Tafti, R., and Mortenson, J.K., 2004. Early Jurassic porphyry (?) copper (-gold) at Minto and Williams Creek, Carmacks Copper Belt, western Yukon. In Yukon Exploration and Geology 2003, D.S. Emond and L.L. Lewis (eds) Yukon Geological Survey, p. 289-303.

APPENDIX A
MMI SAMPLE ANALYTICAL RESULTS
TOE CLAIMS

TOE MMI SAMPLE DATA

(UTM Data 1111111 represent Duplicates or Blanks)

	UTM	UTM	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	CR	Cu	Dy	Er
Sample_ID	Easting	Northing	PPB_1	PPM_1	PPB_10	PPB_01	PPB_10	PPB_1	PPM_10	PPB_1	PPB_5	PPB_5	PPB_100	PPB_10	PPB_1	PPB_05
TOE10245	376865	6957198	2	13	-10	0.3	6300	-1	350	-1	135	153	-100	590	10	4.8
TOE10246	376838	6957240	3	89	-10	-0.1	7760	-1	340	1	129	36	-100	40	7	3.4
TOE10247	376799	6957278	3	60	-10	0.2	9780	-1	520	2	140	105	-100	210	21	11.5
TOE10248	376770	6957316	1	129	-10	0.1	5400	-1	170	2	264	34	-100	90	27	13.4
TOE10249	376737	6957354	-1	34	-10	-0.1	3510	-1	230	1	14	8	-100	30	3	1.6
TOE10250	376704	6957390	1	114	10	-0.1	3830	-1	320	6	32	59	-100	60	3	1.8
TOE10399	375297	6959152														
TOE11346	1111111	1111111	14	4	20	1.3	9600	-1	320	2	-5	7	-100	620	2	1.3
TOE11390	1111111	1111111	13	6	60	2.6	19400	-1	590	4	-5	12	-100	1090	3	1.6
TOE11397	1111111	1111111	40	5	60	1.9	14300	-1	520	4	-5	12	-100	910	2	1.6
TOE11410	1111111	1111111	24	7	70	1.9	18200	-1	560	4	-5	15	-100	1090	3	1.6
TOE11433	1111111	1111111	11	6	50	1.7	13100	-1	460	4	-5	12	-100	880	2	1.2
TOE11475	1111111	1111111	11	6	70	2.9	17700	-1	610	5	-5	14	-100	1130	3	1.8
TOE12013	375222	6959087	-1	1	-10	-0.1	980	-1	370	2	-5	107	-100	30	-1	-0.5
TOE12014	375257	6959054	-1	5	-10	-0.1	750	-1	490	3	-5	74	-100	40	-1	-0.5
TOE12015	375292	6959019	2	10	-10	0.1	2090	-1	410	6	14	17	-100	400	7	4
TOE12016	375332	6958987	2	12	-10	0.2	6700	-1	660	13	22	17	-100	330	16	11.7
TOE12017	375365	6958948	2	7	-10	0.2	3080	-1	480	12	-5	19	-100	220	4	3.2
TOE12018	375391	6958904	10	5	-10	0.5	5210	-1	440	5	107	189	-100	1410	12	7.9
TOE12019	375432	6958872	1	110	-10	0.1	2510	-1	130	-1	519	43	-100	110	64	29.8
TOE12020	375494	6958795	4	7	-10	-0.1	7000	-1	390	2	68	29	-100	150	19	10
TOE12021	375494	6958795	2	66	-10	-0.1	7600	-1	420	6	98	81	-100	160	8	4.8
TOE12022	375523	6958754	5	13	-10	0.2	7530	-1	520	5	90	48	-100	200	10	5.5
TOE12023	375557	6958718	1	67	-10	0.2	7210	-1	490	4	421	80	-100	260	73	37
TOE12024	375590	6958678	4	63	-10	0.1	10100	-1	640	5	286	138	-100	240	61	31.7
TOE12025	375606	6958626	2	14	-10	0.1	7640	-1	400	2	56	42	-100	190	14	8.1
TOE12026	375640	6958591	2	9	-10	0.2	8550	-1	570	8	84	58	-100	230	26	17.3
TOE12027	375676	6958557	2	37	-10	-0.1	3150	-1	250	1	38	79	-100	280	2	1.1
TOE12028	375712	6958520	2	9	-10	0.4	4340	-1	400	3	207	79	-100	320	11	6.2
TOE12029	375787	6958585	2	7	10	0.4	3410	-1	560	-1	90	280	-100	2220	9	4.8
TOE12030	375758	6958627	1	4	-10	-0.1	1250	-1	700	14	-5	40	-100	150	-1	0.6
TOE12033	376872	6957197	-1	8	-10	-0.1	4320	-1	220	-1	48	62	-100	110	8	4.4
TOE12074	1111111	1111111	21	5	50	2.7	19200	-1	510	4	7	10	-100	990	2	1.5
TOE12077	376016	6955974	6	2	-10	0.3	4140	-1	500	2	30	140	-100	1710	4	2.1
TOE12078	376066	6955978	-1	16	10	0.3	3380	-1	450	4	107	625	-100	2750	13	7.2
TOE12079	376118	6955973	4	5	-10	0.9	6350	-1	770	5	108	66	-100	240	62	42.3
TOE12080	376166	6955971	4	5	-10	0.8	6370	-1	680	2	101	52	-100	100	60	33.1
TOE12081	376217	6955972	8	2	-10	0.4	4750	-1	720	7	20	69	-100	60	19	12.8
TOE12082	376267	6955967	6	6	-10	0.5	4330	-1	830	2	132	45	-100	180	41	22.3

	UTM	UTM	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	CR	Cu	Dy	Er
TOE12083	376317	6955964	2	18	-10	0.2	5290	-1	770	11	25	30	-100	250	27	18.6
TOE12084	376367	6955965	6	5	-10	-0.1	4210	-1	390	2	29	85	-100	50	12	7.8
TOE12085	376417	6955960	2	29	-10	-0.1	5080	-1	320	3	150	135	-100	70	6	4.1
TOE12086	376467	6955960	1	73	-10	-0.1	1390	-1	180	-1	452	21	-100	100	22	12.8
TOE12087	376517	6955957	3	11	-10	-0.1	6450	-1	240	2	41	5	-100	40	5	2.7
TOE12088	376567	6955956	2	50	-10	-0.1	6810	-1	460	5	121	18	-100	60	9	5.6
TOE12089	376619	6955952	2	35	-10	-0.1	2380	-1	290	1	60	27	-100	130	19	9.5
TOE12090	376668	6955949	10	34	-10	-0.1	6710	-1	510	3	50	29	-100	110	5	4
TOE12091	376717	6955948	4	1	10	0.2	9050	-1	860	4	-5	123	-100	160	1	1.2
TOE12092	376768	6955944	2	2	-10	-0.1	2210	-1	240	1	10	7	-100	30	3	1.2
TOE12093	376818	6955944	3	24	-10	-0.1	5010	-1	400	3	142	14	-100	50	5	2.9
TOE12094	376868	6955944	3	107	-10	0.1	5890	-1	330	-1	269	38	-100	130	18	11.4
TOE12095	376918	6955940	2	65	-10	0.1	7660	-1	410	5	363	106	-100	250	48	24.4
TOE12096	376969	6955937	4	16	-10	0.3	9930	-1	600	3	184	225	-100	380	27	17.4
TOE12097	376416	6955963	1	81	-10	-0.1	6440	-1	450	5	255	514	-100	60	13	8
TOE12098	377018	6955937	9	15	-10	0.1	8960	-1	560	3	23	48	-100	220	10	6.7
TOE12099	377065	6955937	3	101	10	-0.1	5490	-1	560	3	186	188	100	400	28	22.6
TOE12100	377117	6955934	18	-1	-10	0.4	7350	-1	860	1	-5	53	-100	70	13	8.4
TOE12101	377166	6955931	4	3	-10	-0.1	3840	-1	570	2	-5	35	-100	100	3	2.5
TOE12102	377217	6955927	-1	24	-10	-0.1	2950	-1	230	1	23	102	-100	40	2	1.9
TOE12103	377266	6955930	3	22	-10	-0.1	5420	-1	620	2	331	24	-100	60	13	6.9
TOE12104	377315	6955926	10	6	-10	0.3	3890	-1	550	1	82	37	-100	160	49	33.6
TOE12105	377366	6955927	7	38	-10	-0.1	4190	-1	550	4	29	27	-100	110	6	4
TOE12106	377417	6955926	11	34	-10	0.3	4390	-1	450	2	224	37	-100	370	70	47.2
TOE12107	377466	6955925	10	18	-10	0.5	3500	-1	520	1	290	98	-100	440	71	40
TOE12108	377516	6955924	7	5	-10	0.4	4900	-1	530	2	54	87	-100	370	48	28.8
TOE12109	377566	6955920	2	24	-10	-0.1	5900	-1	460	1	107	42	-100	230	33	22.7
TOE12116	375671	6958559	3	50	-10	-0.1	3830	-1	340	1	125	67	-100	260	8	5.5
TOE12123	376592	6957362	6	5	-10	-0.1	6680	-1	720	1	-5	13	-100	100	2	1.2
TOE12124	376636	6957328	12	7	-10	0.4	6410	-1	550	2	24	99	-100	1890	5	3.6
TOE12125	376660	6957287	4	216	-10	-0.1	5130	-1	300	5	80	119	-100	120	11	5.8
TOE12126	376694	6957252	2	16	-10	0.2	9210	-1	630	2	22	93	-100	250	9	5.8
TOE12127	376723	6957211	1	59	-10	0.3	9160	-1	450	2	1190	183	-100	580	186	98.6
TOE12128	376760	6957173	3	26	-10	0.3	11700	-1	590	3	96	114	-100	340	21	13.8
TOE12129	376792	6957137	7	203	20	-0.1	10300	-1	240	-1	507	234	-100	320	76	37.6
TOE12130	376716	6957074	1	99	-10	-0.1	5530	-1	340	1	908	109	-100	230	35	19.1
TOE12131	376683	6957116	4	123	-10	-0.1	4360	-1	290	2	90	33	-100	140	19	10
TOE12132	376651	6957149	15	1	-10	0.6	17800	-1	660	-1	27	85	-100	430	27	18.7
TOE12133	376620	6957190	3	2	-10	0.3	7530	-1	680	-1	38	94	-100	980	8	5
TOE12134	376584	6957229	10	13	40	0.7	7760	-1	690	3	53	291	-100	910	14	13.3
TOE12135	376551	6957265	4	40	-10	-0.1	5230	-1	440	3	447	20	-100	230	40	17.6

	UTM	UTM	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	CR	Cu	Dy	Er
TOE12136	376520	6957301	17	7	-10	0.3	14000	-1	580	2	49	113	-100	280	24	17.6
TOE12137	376489	6957341	9	2	-10	-0.1	7680	-1	590	1	-5	6	-100	20	2	1.3
TOE12138	376455	6957377	23	32	-10	-0.1	5250	-1	400	2	8	14	-100	180	5	3
TOE12139	376421	6957411	15	52	-10	-0.1	3370	-1	570	-1	-5	17	-100	180	5	4.1
TOE12140	376387	6957447	8	23	-10	-0.1	4640	-1	670	2	-5	9	-100	120	1	0.8
TOE12141	376353	6957485	5	56	-10	-0.1	4200	-1	380	3	45	20	-100	120	5	2.8
TOE12142	376319	6957524	8	14	-10	-0.1	4450	-1	360	2	34	87	-100	500	4	2.5
TOE12143	376289	6957558	8	72	-10	-0.1	5670	-1	400	4	11	93	-100	210	7	5.3
TOE12144	376256	6957599	15	3	-10	0.2	4880	-1	650	1	45	30	-100	180	30	20.7
TOE12145	376221	6957635	11	20	-10	0.2	4360	-1	380	1	229	334	-100	610	31	18.3
TOE12146	376187	6957674	13	9	-10	-0.1	5630	-1	550	2	-5	24	-100	240	4	2.3
TOE12147	376156	6957711	5	73	-10	-0.1	2810	-1	370	2	71	30	-100	150	12	7.3
TOE12148	376122	6957750	16	49	-10	-0.1	3800	-1	380	-1	11	10	-100	120	4	2.3
TOE12150	376088	6957786	7	34	-10	-0.1	4380	-1	390	-1	41	22	-100	160	5	2.8
TOE12151	376057	6957824	52	3	-10	0.5	13000	-1	570	2	146	47	-100	380	106	68.8
TOE12152	376024	6957861	18	6	-10	0.3	6600	-1	520	3	17	43	-100	520	8	4.4
TOE12153	375990	6957901	14	3	-10	0.1	6330	-1	580	2	10	39	-100	350	7	4.2
TOE12154	375958	6957936	5	96	-10	-0.1	2180	-1	280	4	25	70	-100	100	5	3.2
TOE12155	375922	6957974	-1	2	-10	-0.1	520	-1	450	3	-5	22	-100	20	-1	-0.5
TOE12156	375891	6958013	14	1	-10	0.3	4610	-1	570	2	-5	42	-100	890	8	5.8
TOE12158	376007	6955756	6	-1	10	0.4	2990	-1	570	-1	26	544	-100	4800	3	1.9
TOE12159	376063	6955757	16	1	-10	1.7	5140	-1	810	1	9	74	-100	830	52	40.7
TOE12160	376111	6955757	10	1	-10	0.7	4490	-1	750	2	25	61	-100	290	38	25.1
TOE12161	376160	6955755	14	1	-10	1.7	4430	-1	710	-1	39	53	-100	580	62	38.3
TOE12162	376212	6955754	9	10	-10	0.6	4910	-1	680	2	308	90	-100	450	155	137
TOE12163	376262	6955756	9	2	-10	-0.1	7830	-1	600	1	29	98	-100	120	9	6
TOE12164	376310	6955754	6	35	-10	0.5	4530	-1	510	2	7	77	-100	550	11	7.8
TOE12165	376359	6955756	9	7	-10	0.2	5510	-1	550	3	10	38	-100	290	13	9.6
TOE12166	376412	6955756	5	2	-10	0.1	5240	-1	690	3	-5	57	-100	90	7	4.5
TOE12167	376461	6955755	13	1	-10	0.3	7260	-1	700	1	-5	39	-100	90	7	4.2
TOE12168	376512	6955756	15	6	-10	0.8	5510	-1	550	-1	112	283	-100	1400	21	14.6
TOE12169	376561	6955734	5	-1	-10	0.2	4080	-1	460	2	14	228	-100	2060	2	1.8
TOE12170	376612	6955755	17	-1	-10	0.7	2990	-1	570	1	8	45	-100	380	6	3.7
TOE12171	376661	6955753	20	-1	-10	1	2590	-1	490	-1	-5	9	-100	450	4	2.6
TOE12172	376714	6955755	7	18	-10	0.3	6770	-1	610	3	79	34	-100	130	29	20.7
TOE12173	376763	6955755	9	4	-10	0.2	7670	-1	580	2	31	56	-100	110	20	13.6
TOE12174	376812	6955754	6	91	-10	0.2	10500	-1	390	2	83	140	-100	200	42	32.4
TOE12175	376863	6955755	6	45	-10	0.7	7730	-1	500	2	19	73	-100	310	12	10.2
TOE12176	376913	6955754	4	238	-10	0.1	6620	-1	240	1	123	130	-100	190	120	78.6
TOE12177	376959	6955755	7	9	-10	-0.1	8260	-1	570	2	26	38	-100	170	12	8.2
TOE12178	377007	6955753	10	1	-10	0.2	7050	-1	650	2	50	37	-100	70	40	20.1

	UTM	UTM	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	CR	Cu	Dy	Er
TOE12179	377058	6955750	9	52	-10	-0.1	5030	-1	430	4	78	152	-100	210	32	23.3
TOE12180	377109	6955748	7	29	30	-0.1	4650	-1	450	4	24	117	-100	340	8	5.7
TOE12181	377159	6955741	4	3	-10	0.1	790	-1	470	2	23	166	-100	410	2	1.8
TOE12182	377210	6955739	4	2	-10	-0.1	960	-1	480	13	-5	64	-100	90	1	0.9
TOE12183	377259	6955738	10	12	-10	-0.1	9020	-1	570	11	22	35	-100	200	9	6.4
TOE12184	377309	6955737	9	49	-10	-0.1	7630	-1	520	4	66	98	-100	200	19	14
TOE12185	377359	6955734	1	15	-10	-0.1	1930	-1	380	6	7	180	-100	2140	3	3.5
TOE12186	377409	6955732	8	35	-10	-0.1	5810	-1	440	-1	207	45	-100	130	128	82.7
TOE12187	377459	6955729	11	12	-10	0.1	7870	-1	480	1	68	18	-100	220	17	8.7
TOE12188	377510	6955726	14	6	-10	0.2	7420	-1	510	2	49	67	-100	270	42	30.6
TOE12189	377559	6955722	14	3	-10	0.1	9350	-1	530	2	45	28	-100	60	26	17.9
TOE12190	377610	6955721	26	2	-10	0.1	5860	-1	570	3	14	22	-100	60	13	8
TOE12191	377619	6955920	4	5	-10	0.3	7790	-1	550	2	64	52	-100	120	27	17.9
TOE12451	373852	6956459	3	107	-10	-0.1	5910	-1	350	3	85	69	-100	150	14	9.6
TOE12452	373901	6956466	5	66	-10	-0.1	4720	-1	470	2	14	29	-100	170	6	4.9
TOE12453	373953	6956461	5	235	10	0.1	3380	-1	160	3	128	71	-100	220	33	17.6
TOE12454	374002	6956460	12	186	20	-0.1	3690	-1	200	1	143	55	-100	140	17	8.6
TOE12455	374053	6956457	6	66	-10	-0.1	4000	-1	370	2	11	12	-100	90	3	2.2
TOE12456	374102	6956455	3	98	-10	-0.1	4570	-1	350	6	61	41	-100	110	10	5
TOE12457	374152	6956452	5	30	-10	0.2	5170	-1	540	2	110	75	-100	350	37	25
TOE12458	374202	6956450	29	26	-10	-0.1	5450	-1	410	1	9	8	-100	110	2	1.2
TOE12459	374253	6956448	4	94	-10	-0.1	3480	-1	310	7	52	28	-100	60	5	2.8
TOE12460	374303	6956446	5	53	-10	-0.1	2680	-1	290	2	15	7	-100	90	2	0.7
TOE12461	374352	6956445	6	82	-10	-0.1	2600	-1	360	9	19	63	-100	190	7	5
TOE12462	374403	6956441	3	105	10	-0.1	5310	-1	270	2	53	30	-100	100	6	3.3
TOE12463	374454	6956440	4	268	10	-0.1	5680	-1	140	2	184	247	-100	190	124	79.3
TOE12464	374503	6956443	4	63	-10	-0.1	5250	-1	380	4	23	47	-100	120	6	3.9
TOE12465	374553	6956433	4	166	30	-0.1	4060	-1	170	8	31	124	-100	240	13	9.4
TOE12466	374603	6956431	7	47	10	-0.1	6240	-1	340	3	15	54	-100	210	6	4.6
TOE12467	374653	6956430	4	143	10	-0.1	5360	-1	190	6	65	69	-100	100	8	4
TOE12468	374703	6956427	10	50	-10	0.1	8680	-1	360	2	20	54	-100	150	11	8
TOE12469	374754	6956434	3	33	-10	-0.1	7440	-1	360	1	6	31	-100	90	3	1.9
TOE12470	374803	6956421	7	17	-10	-0.1	7010	-1	470	1	8	65	-100	120	6	4.6
TOE12471	374852	6956419	5	241	30	-0.1	2950	-1	60	2	108	108	-100	110	17	8.2
TOE12472	374899	6956415	18	169	10	-0.1	5010	-1	150	1	179	133	-100	110	19	9.6
TOE12473	374950	6956414	5	64	-10	-0.1	9280	-1	390	3	32	22	-100	100	4	2.2
TOE12474	375001	6956415	2	162	-10	-0.1	5190	-1	170	1	137	73	-100	110	29	16.5
TOE12475	375050	6956412	6	230	50	-0.1	4240	-1	80	3	91	150	-100	160	10	5.7
TOE12476	375101	6956412	4	84	-10	0.2	6940	-1	260	3	105	95	-100	120	27	16.5
TOE12477	375151	6956412	2	132	-10	-0.1	3420	-1	220	3	43	218	-100	100	8	5.1
TOE12478	375201	6956411	2	113	-10	-0.1	4630	-1	240	3	20	148	-100	110	11	7.9

	UTM	UTM	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	CR	Cu	Dy	Er
TOE12479	375251	6956407	3	35	-10	0.2	7050	-1	350	3	86	257	-100	230	38	27.6
TOE12480	375301	6956411	2	170	20	-0.1	4490	-1	220	2	44	79	-100	60	6	3.3
TOE12481	375352	6956410	2	46	-10	-0.1	5900	-1	490	-1	7	44	-100	50	3	2.6
TOE12482	375859	6958048	23	-1	-10	0.5	6910	-1	640	2	10	17	-100	530	11	7.2
TOE12487	376089	6957779	8	25	-10	-0.1	3640	-1	340	-1	11	18	-100	140	4	2.2
TOE12492	374304	6956443	8	51	-10	-0.1	2970	-1	320	2	12	6	-100	90	2	0.8
TOE12556	375716	6958654	12	2	-10	0.5	5680	-1	570	2	38	57	-100	150	45	30.9
TOE12557	375685	6958694	11	29	-10	0.1	5180	-1	510	3	17	50	-100	230	13	9.9
TOE12558	375645	6958728	15	6	-10	0.1	7110	-1	460	-1	13	43	-100	160	17	12.3
TOE12559	375610	6958761	10	2	-10	0.3	7520	-1	490	2	35	112	-100	100	32	19.3
TOE12561	375575	6958798	6	15	-10	-0.1	5000	-1	400	2	17	28	-100	100	6	4.3
TOE12562	375547	6958840	4	3	-10	0.2	6710	-1	410	-1	24	12	-100	100	10	5.9
TOE12563	375506	6958871	3	3	-10	-0.1	5590	-1	460	6	5	32	-100	150	4	2.6
TOE12564	375479	6958914	9	1	-10	0.5	8140	-1	550	3	33	27	-100	220	46	31.7
TOE12565	375453	6958956	7	1	-10	0.5	6810	-1	720	-1	18	41	-100	110	22	14.7
TOE12566	375424	6958998	7	3	-10	0.2	6690	-1	590	1	46	30	-100	90	17	12.2
TOE12567	375396	6959042	9	2	-10	0.3	6880	-1	630	16	14	33	-100	390	18	15.8
TOE12568	375363	6959079	3	4	-10	-0.1	3160	-1	440	53	8	57	-100	260	9	9.5
TOE12569	375333	6959119	7	1	-10	0.9	4120	-1	650	2	42	53	-100	310	50	37.1
TOE12680	376918	6955748	4	181	-10	0.1	6360	-1	260	-1	82	73	-100	180	139	86.1
TOE50835M	375843	6955956	32	-1	-10	0.2	3870	-1	950	7	-5	54	-100	810	4	2.8
TOE50868M	375725	6955457	3	98	90	-0.1	1520	-1	960	20	47	134	-100	650	7	4.7
TOE50869M	375727	6955508	3	18	20	-0.1	650	-1	910	6	11	33	-100	320	2	1.5
TOE50870M	375729	6955557	3	25	30	-0.1	580	-1	900	12	9	26	-100	130	4	2.4
TOE50871M	375730	6955608	3	23	20	-0.1	750	-1	1060	3	6	55	-100	50	3	1.9
TOE50872M	375732	6955658	3	25	20	-0.1	870	-1	990	3	5	145	-100	210	2	1.5
TOE50873M	375735	6955707	2	16	20	-0.1	800	-1	1020	3	6	82	-100	120	2	1
TOE50874M	375736	6955758	3	29	30	-0.1	1130	-1	1030	7	7	127	-100	460	2	1
TOE50875M	375738	6955808	3	43	40	-0.1	2450	-1	700	4	-5	292	-100	840	1	1
TOE50876M	375739	6955857	3	27	40	-0.1	1500	-1	1110	6	13	99	-100	840	3	1.8
TOE50877M	375739	6955909	3	50	30	-0.1	1740	-1	760	7	23	101	-100	1250	7	4.4
TOE50878M	375744	6955958	3	52	20	-0.1	1110	-1	910	3	14	233	-100	320	8	5.5
TOE50879M	375744	6956007	3	53	30	-0.1	1360	-1	410	3	5	164	-100	860	3	2
TOE50880M	375747	6956059	13	31	10	-0.1	5530	-1	1200	30	337	422	-100	4020	55	33
TOE50881M	375749	6956107	77	45	60	-0.1	2300	-1	720	7	15	422	-100	1610	4	3.2
TOE50882M	375750	6956156	3	60	70	-0.1	2270	-1	780	5	29	367	-100	1610	7	4.3
TOE50883M	375752	6956208	15	33	10	-0.1	6300	-1	1410	34	221	213	-100	2890	54	37.4
TOE50884M	375754	6956260	16	14	-10	0.2	7860	-1	1650	30	163	243	-100	3110	40	26.8
TOE50885M	375755	6956307	38	4	10	0.6	5150	-1	1430	11	6	78	-100	3420	16	9.8
TOE50886M	375757	6956360	3	14	20	0.3	1560	-1	490	2	71	27	-100	380	6	2.9
TOE50887M	375759	6956408	15	2	-10	0.3	4080	-1	910	9	34	124	-100	2160	11	8.6

	UTM	UTM	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	CR	Cu	Dy	Er
TOE50888M	375760	6956458	9	12	-10	0.4	2900	-1	740	19	47	171	-100	2530	10	7.3
TOE50889M	375862	6956454	7	15	-10	0.1	2100	-1	760	9	21	256	-100	2500	4	2.8
TOE50890M	375858	6956406	22	2	-10	0.1	2420	-1	840	21	14	144	-100	2150	8	6
TOE50891M	375858	6956355	11	7	-10	-0.1	2650	-1	1070	24	46	25	-100	570	20	14.2
TOE50892M	375855	6956304	5	22	-10	0.2	1980	-1	700	18	13	305	-100	3140	4	3.8
TOE50893M	375854	6956257	10	5	-10	0.1	2670	-1	890	20	31	28	-100	380	19	14.2
TOE50894M	375852	6956204	11	2	-10	-0.1	2530	-1	900	13	10	87	-100	710	5	3.9
TOE50895M	375850	6956157	8	33	20	-0.1	2590	-1	1170	22	106	303	-100	3060	13	7.9
TOE50896M	375849	6956105	10	5	-10	0.2	2940	-1	900	12	21	122	-100	1240	6	5.1
TOE50897M	375845	6956056	15	2	-10	0.6	4440	-1	910	7	35	72	-100	1780	18	12.7
TOE50898M	375845	6956006	38	1	-10	0.8	5960	-1	1230	3	11	19	-100	1160	17	9.2
TOE50899M	375854	6956257	8	28	-10	-0.1	3540	-1	1430	18	40	163	-100	1210	11	6.8
TOE50931M	375835	6955753	46	-1	10	0.9	3520	-1	840	4	6	82	-100	2730	8	5.3
TOE50965M	375962	6956452	2	46	-10	-0.1	1910	-1	470	-1	360	25	-100	50	9	4.8
TOE50966M	375958	6956401	5	3	-10	0.1	570	-1	570	1	22	36	-100	490	12	7.4
TOE50967M	375956	6956352	4	21	-10	-0.1	590	-1	700	10	43	122	-100	2260	6	5.7
TOE50968M	375954	6956302	10	8	-10	0.2	2500	-1	950	4	56	120	-100	870	13	9.6
TOE50969M	375953	6956251	16	1	-10	0.5	3740	-1	840	7	77	303	-100	3470	16	11.2
TOE50970M	375949	6956201	18	8	-10	0.3	4100	-1	810	21	57	160	-100	2200	12	8.2
TOE50971M	375950	6956152	15	-1	-10	0.5	2390	-1	780	5	13	85	-100	1440	8	5.4
TOE50972M	375948	6956102	16	2	-10	0.8	5580	-1	1070	4	53	78	-100	1200	33	19.6
TOE50973M	375947	6956052	25	-1	-10	1.1	5560	-1	1170	2	36	104	-100	1420	22	12.4
TOE50974M	375945	6956002	12	2	-10	0.7	5230	-1	1000	5	52	222	-100	1980	17	12.9
TOE50975M	375943	6955951	13	-1	-10	0.7	5400	-1	1010	2	16	35	-100	590	21	12.1
TOE50976M	375941	6955902	39	-1	-10	1.6	5490	-1	1070	2	20	69	-100	1720	24	12.1
TOE50977M	375939	6955850	19	-1	-10	1.1	4080	-1	960	1	32	144	-100	1360	26	18.1
TOE50978M	375937	6955801	41	-1	10	1.7	4240	-1	990	2	6	238	-100	2400	7	4.9
TOE50979M	375936	6955751	16	-1	10	2	4060	-1	1040	2	31	215	-100	3110	24	18.3
TOE50980M	375933	6955701	40	-1	-10	2	4630	-1	1030	2	19	174	-100	1790	11	7.3
TOE50981M	375932	6955652	12	-1	10	0.5	3750	-1	880	4	22	157	-100	1110	10	7.6
TOE50982M	375932	6955600	26	-1	10	1.8	2430	-1	710	6	9	304	-100	3780	5	3.6
TOE50983M	375930	6955551	60	-1	-10	1.9	6130	-1	1050	2	-5	75	-100	1760	7	4.4
TOE50984M	375926	6955501	47	-1	10	1.5	4890	-1	1070	2	7	258	-100	2470	4	3.1
TOE50985M	375924	6955452	26	-1	10	1.1	4310	-1	1090	1	28	330	-100	2350	5	3.4
TOE50986M	375826	6955453	6	17	50	-0.1	2850	-1	1440	6	37	229	-100	1900	6	3.1
TOE50987M	375824	6955504	13	1	-10	0.4	3060	-1	840	7	16	326	-100	4270	3	2.6
TOE50988M	375827	6955553	3	13	10	-0.1	1170	-1	560	5	7	117	-100	1940	3	3.2
TOE50989M	375829	6955604	15	1	-10	0.3	3510	-1	790	12	34	493	-100	6490	7	7
TOE50990M	375831	6955654	2	10	20	0.3	2900	-1	590	6	24	531	-100	4580	6	6.7
TOE50991M	375832	6955703	11	-1	-10	0.1	4680	-1	900	7	39	157	-100	2020	16	10.9
TOE50992M	375835	6955754	45	-1	-10	0.8	3280	-1	790	4	-5	57	-100	2250	9	5.5

	UTM	UTM	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	CR	Cu	Dy	Er
TOE50993M	375836	6955803	43	-1	-10	0.6	4370	-1	1010	4	15	90	-100	2070	10	6.5
TOE50994M	375838	6955855	7	-1	20	0.4	3790	-1	1010	3	14	213	-100	1890	4	2.4
TOE50995M	375838	6955904	42	-1	20	1	8040	-1	1210	1	27	90	-100	1300	22	11.5

TOE MMI SA

	Eu	Fe	Gd	LA	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Sample_ID	PPB_05	PPM_1	PPB_1	PPB_1	PPB_5	PPM_1	PPB_5	PPB_05	PPB_1	PPB_5	PPB_10	PPB_1	PPB_1	PPB_1	PPB_5	PPB_1	PPB_5	PPB_1	PPB_1
TOE10245	2.2	33	12	69	-5	46	-5	0.8	54	197	50	-1	15		8	-1	21	12	-1
TOE10246	1.2	18	8	129	-5	70	-5	-0.5	31	85	120	-1	10		99	-1	6	6	-1
TOE10247	2.7	7	17	69	-5	36	-5	-0.5	47	488	220	-1	13		27	-1	23	12	-1
TOE10248	7.2	30	31	171	-5	45	-5	1.9	122	210	290	-1	33		47	-1	40	26	-1
TOE10249	0.8	10	4	8	-5	31	-5	-0.5	9	55	10	-1	3		40	-1	-5	3	-1
TOE10250	0.8	50	4	19	-5	38	7	2.6	12	81	100	-1	4		64	-1	12	4	-1
TOE10399																			
TOE11346	-0.5	2	2	3	15	37	7	-0.5	4	91	40	-1	1		16	1	-5	2	-1
TOE11390	-0.5	3	3	2	27	74	15	-0.5	4	148	70	-1	1		26	2	-5	2	-1
TOE11397	-0.5	3	3	-1	18	60	12	-0.5	3	135	50	-1	-1		19	2	-5	2	-1
TOE11410	-0.5	4	3	-1	24	74	14	-0.5	2	156	70	-1	-1		26	3	-5	2	-1
TOE11433	-0.5	3	2	-1	16	57	10	-0.5	1	130	50	-1	-1		16	2	-5	1	-1
TOE11475	-0.5	4	3	-1	25	74	11	-0.5	2	151	70	-1	-1		24	2	-5	2	-1
TOE12013	-0.5	2	-1	-1	-5	49	15	-0.5	-1	69	-10	-1	-1		8	-1	-5	-1	-1
TOE12014	-0.5	2	-1	-1	-5	47	-5	-0.5	-1	54	-10	-1	-1		-5	-1	-5	-1	-1
TOE12015	1.8	6	9	5	-5	32	9	-0.5	17	590	-10	-1	4		16	-1	-5	6	-1
TOE12016	1.8	4	13	9	-5	25	-5	-0.5	21	477	20	-1	4		23	-1	5	7	-1
TOE12017	0.6	3	4	-1	-5	57	6	-0.5	5	220	-10	-1	1		12	-1	-5	3	-1
TOE12018	2.9	24	16	66	9	45	9	-0.5	65	365	-10	-1	16		12	-1	14	14	-1
TOE12019	12.2	20	64	311	-5	34	-5	-0.5	232	123	280	-1	62		40	-1	54	46	-1
TOE12020	3.7	5	22	42	-5	35	-5	-0.5	38	102	40	-1	9		25	-1	-5	13	-1
TOE12021	1.7	16	10	58	-5	46	-5	-0.5	35	210	90	-1	10		64	-1	13	8	-1
TOE12022	1.5	7	11	37	-5	41	-5	-0.5	30	186	60	-1	8		25	-1	10	7	-1
TOE12023	11.3	9	65	204	-5	45	-5	-0.5	193	462	250	-1	47		23	-1	69	45	-1
TOE12024	8.2	13	51	108	-5	55	-5	-0.5	116	754	210	-1	28		13	-1	45	32	-1
TOE12025	1.7	5	13	33	-5	28	-5	-0.5	24	204	80	-1	6		43	-1	6	7	-1
TOE12026	3.2	4	24	26	-5	38	-5	-0.5	42	309	60	-1	9		28	-1	11	14	-1
TOE12027	-0.5	36	2	24	-5	20	-5	-0.5	9	112	20	-1	4		51	-1	6	2	-1
TOE12028	2.6	8	16	148	-5	33	-5	-0.5	80	189	20	-1	23		9	-1	-5	12	-1
TOE12029	2.3	40	12	40	-5	33	-5	-0.5	49	356	-10	-1	13		-5	1	12	11	-1
TOE12030	-0.5	4	-1	-1	5	67	-5	-0.5	-1	178	-10	-1	-1		24	-1	-5	-1	-1
TOE12033	1.3	5	9	26	-5	26	-5	-0.5	19	117	30	-1	5		11	-1	-5	6	-1
TOE12074	-0.5	4	3	2	27	72	21	-0.5	4	135	70	-1	1		28	2	-5	2	-1
TOE12077	0.8	9	5	9	-5	45	19	-0.5	17	198	-10	-1	4		-5	-1	-5	4	-1
TOE12078	3.3	71	16	43	-5	49	9	-0.5	65	913	-10	-1	16		-5	1	16	15	-1
TOE12079	9.2	3	59	38	12	78	-5	-0.5	74	351	50	-1	15		11	-1	-5	29	-1
TOE12080	9.7	3	62	55	-5	85	-5	-0.5	73	157	30	-1	15		14	-1	5	28	-1
TOE12081	2.7	3	16	11	-5	91	-5	-0.5	18	107	10	-1	4		10	-1	-5	8	-1
TOE12082	8.3	5	46	46	-5	88	-5	-0.5	78	213	30	-1	16		7	-1	6	28	-1

	Eu	Fe	Gd	LA	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
TOE12083	2.6	4	16	6	-5	13	-5	-0.5	14	484	30	-1	3		62	-1	-5	7	-1
TOE12084	1.6	2	10	6	-5	25	-5	-0.5	10	52	40	-1	2		12	-1	-5	5	-1
TOE12085	1.1	5	6	28	-5	17	-5	-0.5	24	429	-10	-1	7		25	-1	-5	5	-1
TOE12086	4.7	8	23	263	-5	14	-5	-0.5	126	115	130	-1	39		42	-1	22	20	-1
TOE12087	0.8	4	6	30	-5	21	-5	-0.5	18	29	10	-1	5		21	-1	-5	4	-1
TOE12088	1.6	11	10	45	-5	31	-5	-0.5	33	175	40	-1	9		45	-1	12	7	-1
TOE12089	2.1	3	12	35	-5	13	-5	-0.5	24	215	110	-1	7		5	-1	10	7	-1
TOE12090	0.7	8	5	37	-5	29	-5	-0.5	16	120	40	-1	6		21	-1	-5	3	-1
TOE12091	-0.5	3	1	-1	7	42	6	-0.5	-1	270	-10	-1	-1		33	-1	-5	-1	-1
TOE12092	0.6	2	3	6	-5	19	-5	-0.5	5	6	-10	-1	2		9	-1	-5	2	-1
TOE12093	1.4	19	7	77	-5	42	-5	-0.5	38	46	10	-1	12		44	-1	6	6	-1
TOE12094	3.6	12	18	160	-5	32	-5	-0.5	72	147	210	-1	21		24	-1	44	14	-1
TOE12095	7	9	40	172	-5	31	-5	-0.5	134	543	200	-1	36		45	-1	58	27	-1
TOE12096	2.5	4	19	57	7	25	-5	-0.5	45	809	170	-1	13		16	-1	13	12	-1
TOE12097	1.8	7	10	52	6	13	-5	-0.5	43	598	-10	-1	12		22	-1	14	8	-1
TOE12098	-0.5	3	6	14	-5	19	-5	-0.5	9	402	190	-1	3		13	-1	-5	3	-1
TOE12099	4.7	12	24	110	6	27	-5	-0.5	91	377	120	-1	23		32	-1	20	18	-1
TOE12100	0.8	2	12	5	8	148	-5	-0.5	6	21	-10	-1	2		5	-1	-5	3	-1
TOE12101	-0.5	3	2	-1	-5	18	-5	-0.5	-1	110	60	-1	-1		13	-1	-5	-1	-1
TOE12102	-0.5	3	2	6	-5	9	-5	-0.5	4	74	10	-1	2		9	-1	-5	1	-1
TOE12103	3.5	14	17	86	8	116	-5	-0.5	69	156	20	-1	18		11	-1	9	15	-1
TOE12104	5.6	2	40	41	7	35	-5	0.5	44	105	90	-1	9		13	-1	6	17	-1
TOE12105	0.6	5	5	17	-5	32	-5	-0.5	7	157	80	-1	2		27	-1	-5	3	-1
TOE12106	7.6	4	49	83	-5	32	-5	-0.5	87	449	190	-1	19		16	-1	26	25	-1
TOE12107	10.8	8	65	130	-5	98	-5	-0.5	143	303	140	-1	30		20	-1	22	39	-1
TOE12108	5.6	2	39	35	-5	37	-5	-0.5	47	167	80	-1	9		9	-1	8	19	-1
TOE12109	3.9	3	28	65	-5	40	-5	-0.5	51	298	80	-1	11		31	-1	11	14	-1
TOE12116	1.3	18	8	81	-5	25	-5	-0.5	36	155	40	-1	10		63	-1	14	6	-1
TOE12123	-0.5	3	1	5	-5	28	-5	-0.5	-1	36	70	-1	-1		12	-1	-5	-1	-1
TOE12124	0.6	10	5	15	-5	10	-5	-0.5	17	600	-10	-1	4		11	-1	5	4	-1
TOE12125	1.5	31	9	55	-5	44	-5	-0.5	21	107	210	-1	6		16	-1	12	5	-1
TOE12126	-0.5	4	6	17	-5	23	-5	-0.5	7	460	170	-1	2		13	-1	5	3	-1
TOE12127	33.4	10	185	504	-5	80	-5	-0.5	512	868	320	-1	114		6	-1	104	128	-1
TOE12128	1.8	4	17	72	-5	41	-5	-0.5	31	636	170	-1	8		17	-1	9	9	-1
TOE12129	14.9	68	77	292	12	73	-5	3.4	262	598	460	-1	59		36	1	100	63	-1
TOE12130	7.4	8	41	511	-5	40	-5	0.6	266	317	140	-1	74		35	-1	60	33	-1
TOE12131	4.3	30	19	63	-5	42	-5	0.7	51	192	300	-1	12		50	-1	28	14	-1
TOE12132	3.3	3	29	38	26	102	-5	-0.5	46	196	-10	-1	9		-5	-1	6	14	-1
TOE12133	1.5	7	10	30	-5	56	-5	-0.5	34	255	10	-1	8		-5	-1	6	8	-1
TOE12134	1.6	6	12	32	8	31	-5	-0.5	31	1410	20	-1	7		6	-1	10	8	-1
TOE12135	12.6	26	52	201	-5	41	-5	-0.5	209	225	50	-1	48		42	-1	19	48	-1

	Eu	Fe	Gd	LA	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
TOE12136	2	3	20	22	-5	38	-5	-0.5	26	510	80	-1	5		52	-1	-5	10	-1
TOE12137	-0.5	2	2	6	-5	91	-5	-0.5	-1	-5	-10	-1	-1		9	-1	-5	1	-1
TOE12138	-0.5	4	4	12	-5	46	-5	-0.5	6	126	80	-1	2		79	-1	-5	2	-1
TOE12139	-0.5	3	3	12	-5	44	6	-0.5	2	148	80	-1	1		57	-1	-5	1	-1
TOE12140	-0.5	4	-1	4	-5	45	6	-0.5	-1	95	20	-1	-1		20	-1	-5	-1	-1
TOE12141	1.4	30	7	30	-5	46	-5	-0.5	24	100	70	-1	6		72	-1	13	6	-1
TOE12142	-0.5	21	4	28	-5	41	-5	-0.5	13	119	20	-1	4		34	-1	9	3	-1
TOE12143	-0.5	9	5	12	-5	29	-5	-0.5	5	302	150	-1	2		52	-1	8	2	-1
TOE12144	5.4	4	32	33	11	149	-5	-0.5	49	106	20	-1	9		10	-1	6	17	-1
TOE12145	3.7	8	24	124	6	28	-5	-0.5	80	561	60	-1	21		26	-1	17	16	-1
TOE12146	-0.5	4	3	6	-5	34	-5	-0.5	1	211	70	-1	1		20	-1	-5	2	-1
TOE12147	2.1	11	11	45	-5	32	-5	-0.5	26	149	100	-1	7		20	-1	13	6	-1
TOE12148	0.6	8	3	13	-5	41	-5	-0.5	6	78	40	-1	2		31	-1	-5	2	-1
TOE12150	1.2	26	7	31	-5	60	-5	-0.5	22	127	50	-1	6		40	-1	10	5	-1
TOE12151	14.5	3	103	91	21	133	-5	-0.5	137	205	140	-1	24		8	-1	8	50	-1
TOE12152	0.8	6	8	20	-5	84	-5	-0.5	14	336	80	-1	4		7	-1	6	4	-1
TOE12153	-0.5	5	5	9	-5	44	-5	-0.5	4	344	60	-1	2		16	-1	5	2	-1
TOE12154	1	23	5	28	6	52	-5	0.9	13	150	120	-1	4		36	-1	11	4	-1
TOE12155	-0.5	2	-1	1	-5	41	-5	-0.5	-1	29	-10	-1	-1		-5	-1	-5	-1	-1
TOE12156	1.1	3	8	15	18	62	5	-0.5	16	282	-10	-1	4		-5	-1	-5	5	-1
TOE12158	0.5	6	3	14	-5	33	16	-0.5	13	1170	-10	-1	4		11	1	5	3	-1
TOE12159	5.2	2	40	21	8	97	-5	-0.5	30	322	10	-1	6		11	-1	-5	15	-1
TOE12160	5.1	2	37	25	-5	158	-5	-0.5	38	137	10	-1	7		18	-1	-5	15	-1
TOE12161	10.4	2	65	48	9	148	-5	-0.5	105	284	20	-1	17		6	-1	5	36	-1
TOE12162	17.3	3	113	117	13	20	-5	-0.5	175	1190	100	-1	35		18	-1	11	55	-1
TOE12163	-0.5	3	6	8	-5	64	-5	-0.5	3	115	30	-1	1		21	-1	5	3	-1
TOE12164	0.7	3	7	13	-5	21	-5	0.7	5	384	170	-1	2		52	-1	8	3	-1
TOE12165	1	3	9	13	-5	21	-5	-0.5	7	238	120	-1	2		9	-1	5	3	-1
TOE12166	0.5	2	6	6	-5	48	-5	-0.5	2	87	40	-1	1		14	-1	-5	2	-1
TOE12167	-0.5	2	6	3	-5	87	5	-0.5	-1	40	40	-1	-1		12	-1	-5	2	-1
TOE12168	3.4	11	21	46	8	67	-5	-0.5	56	708	-10	-1	12		9	-1	6	14	-1
TOE12169	-0.5	9	3	13	-5	25	10	-0.5	11	834	-10	-1	3		10	-1	5	3	-1
TOE12170	0.8	3	7	2	7	77	7	0.6	7	90	-10	-1	1		20	-1	-5	3	-1
TOE12171	-0.5	2	4	-1	-5	47	-5	-0.5	1	55	-10	-1	-1		5	-1	-5	1	-1
TOE12172	3.8	5	25	31	13	22	-5	-0.5	38	345	20	-1	8		18	-1	-5	12	-1
TOE12173	1.6	3	15	12	-5	31	-5	-0.5	13	164	100	-1	3		24	-1	7	6	-1
TOE12174	4.2	10	30	42	-5	21	-5	-0.5	43	418	180	-1	9		33	-1	35	14	-1
TOE12175	0.8	5	8	7	-5	19	-5	-0.5	8	309	150	-1	2		14	-1	10	3	-1
TOE12176	13.8	8	82	35	-5	16	-5	-0.5	94	535	320	-1	15		7	-1	66	40	-1
TOE12177	0.7	3	8	7	-5	23	-5	-0.5	8	225	70	-1	2		12	-1	-5	3	-1
TOE12178	5.3	2	38	17	-5	86	-5	-0.5	25	47	40	-1	5		-5	-1	-5	15	-1

	Eu	Fe	Gd	LA	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
TOE12179	3	5	20	29	-5	17	-5	-0.5	27	276	150	-1	6		12	-1	17	9	-1
TOE12180	0.8	7	6	7	-5	18	-5	-0.5	8	437	80	-1	2		35	-1	8	3	-1
TOE12181	0.5	16	3	9	10	23	7	-0.5	10	94	-10	-1	3		6	-1	-5	2	-1
TOE12182	-0.5	4	-1	-1	5	56	-5	-0.5	-1	91	-10	-1	-1		5	-1	-5	-1	-1
TOE12183	0.6	7	7	7	-5	28	-5	-0.5	10	349	40	-1	2		33	-1	5	3	-1
TOE12184	1.4	5	12	20	-5	16	-5	-0.5	20	326	130	-1	5		36	-1	16	5	-1
TOE12185	-0.5	16	2	2	10	13	10	-0.5	6	788	-10	-1	1		-5	3	-5	2	-1
TOE12186	19.5	3	110	119	-5	21	-5	-0.5	166	230	110	-1	32		21	-1	9	54	-1
TOE12187	1.7	4	13	18	-5	24	-5	-0.5	18	229	50	-1	4		31	-1	-5	6	-1
TOE12188	3.9	4	31	29	-5	27	-5	-0.5	32	225	110	-1	6		26	-1	5	12	-1
TOE12189	2.7	3	22	15	-5	38	-5	-0.5	20	49	30	-1	4		13	-1	-5	8	-1
TOE12190	1.3	3	11	6	-5	35	-5	-0.5	8	21	30	-1	2		9	-1	-5	4	-1
TOE12191	2.6	3	21	19	-5	26	-5	-0.5	22	255	30	-1	4		8	-1	-5	9	-1
TOE12451	2.2	20	13	37	-5	25	-5	-0.5	37	186	90	-1	9		15	-1	37	9	-1
TOE12452	0.5	5	5	5	-5	16	-5	-0.5	6	137	170	-1	1		32	-1	-5	2	-1
TOE12453	5.5	79	25	67	-5	59	-5	2.8	75	138	430	-1	16		62	1	61	18	-1
TOE12454	4.5	73	19	87	-5	37	-5	4	69	93	240	-1	17		52	-1	46	16	-1
TOE12455	-0.5	8	3	5	-5	23	-5	-0.5	7	58	50	-1	2		58	-1	-5	2	-1
TOE12456	2.3	37	11	34	-5	36	-5	0.7	38	76	110	-1	9		65	-1	18	9	-1
TOE12457	7.4	11	41	106	-5	20	-5	-0.5	109	200	30	-1	23		34	-1	10	26	-1
TOE12458	-0.5	4	2	4	-5	20	-5	-0.5	4	49	50	-1	1		24	-1	-5	1	-1
TOE12459	1.4	58	7	23	11	50	-5	2.2	23	81	80	-1	5		118	-1	22	6	-1
TOE12460	-0.5	35	2	8	-5	43	-5	0.6	7	32	20	-1	2		35	-1	7	2	-1
TOE12461	1	18	6	10	-5	17	-5	-0.5	12	145	100	-1	3		50	-1	9	3	-1
TOE12462	1.6	59	7	31	-5	32	-5	1.7	24	94	190	-1	6		69	-1	19	6	-1
TOE12463	26.1	98	115	142	13	47	-5	1.6	322	194	240	-1	61		21	-1	116	86	-1
TOE12464	-0.5	9	4	9	-5	20	-5	-0.5	7	180	110	-1	2		32	-1	6	2	-1
TOE12465	1.5	102	7	16	-5	67	-5	1.3	18	245	350	-1	4		109	-1	29	5	-1
TOE12466	0.6	12	5	6	-5	27	-5	0.5	8	264	90	-1	2		44	-1	7	3	-1
TOE12467	1.9	58	9	35	-5	51	-5	1.9	30	129	180	-1	7		120	-1	27	8	-1
TOE12468	0.9	5	9	8	-5	20	-5	-0.5	10	233	140	-1	2		80	-1	7	4	-1
TOE12469	-0.5	4	2	-1	-5	14	-5	-0.5	2	161	60	-1	-1		47	-1	-5	1	-1
TOE12470	-0.5	3	5	2	-5	17	-5	-0.5	4	184	80	-1	-1		15	-1	-5	2	-1
TOE12471	3.4	108	15	50	13	30	-5	4.1	51	159	260	-1	12		69	1	73	12	-1
TOE12472	5	72	23	88	7	46	-5	2.1	87	179	220	-1	20		90	-1	42	20	-1
TOE12473	-0.5	16	4	17	-5	35	-5	-0.5	12	122	60	-1	3		34	-1	8	3	-1
TOE12474	4.9	22	25	71	-5	27	-5	1.2	61	150	210	-1	14		33	-1	46	16	-1
TOE12475	2.3	180	10	48	16	40	-5	12.2	39	208	290	-1	10		94	1	36	9	2
TOE12476	4	5	25	68	-5	20	-5	-0.5	48	181	100	-1	11		38	-1	13	14	-1
TOE12477	1.7	68	8	19	-5	78	-5	0.7	23	322	180	-1	5		68	-1	23	6	-1
TOE12478	0.8	8	7	8	-5	15	-5	-0.5	9	360	120	-1	2		98	-1	7	3	-1

	Eu	Fe	Gd	LA	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
TOE12479	4.2	6	27	39	6	14	-5	-0.5	38	366	60	-1	9		20	-1	17	13	-1
TOE12480	1.2	84	6	23	12	44	-5	2.3	20	135	260	-1	5		72	-1	29	5	-1
TOE12481	-0.5	3	3	3	-5	11	-5	-0.5	2	91	40	-1	-1		11	-1	-5	1	-1
TOE12482	1.6	3	12	5	32	71	5	-0.5	12	142	-10	-1	2		11	-1	-5	5	-1
TOE12487	-0.5	8	3	4	-5	32	-5	-0.5	4	106	30	-1	1		30	-1	-5	2	-1
TOE12492	-0.5	28	2	6	-5	46	-5	-0.5	7	30	20	-1	2		33	-1	-5	2	-1
TOE12556	5.2	2	39	14	-5	31	-5	-0.5	28	76	30	-1	5		9	-1	-5	15	-1
TOE12557	1.1	3	10	5	-5	10	-5	-0.5	8	312	80	-1	2		19	-1	-5	4	-1
TOE12558	1.4	2	13	5	-5	17	-5	-0.5	9	228	80	-1	2		9	-1	-5	5	-1
TOE12559	2.9	2	25	14	-5	33	-5	-0.5	20	63	70	-1	4		6	-1	-5	9	-1
TOE12561	-0.5	3	5	7	-5	15	-5	-0.5	5	175	60	-1	1		17	-1	-5	2	-1
TOE12562	1.2	2	10	13	-5	23	-5	-0.5	11	78	30	-1	2		10	-1	-5	4	-1
TOE12563	-0.5	4	3	-1	-5	27	-5	-0.5	2	206	20	-1	-1		14	-1	-5	1	-1
TOE12564	5.2	2	38	15	13	43	-5	-0.5	27	237	20	-1	5		6	-1	-5	15	-1
TOE12565	2.5	3	21	7	-5	56	-5	-0.5	15	54	-10	-1	3		7	-1	-5	8	-1
TOE12566	1.5	3	13	12	-5	25	-5	-0.5	14	148	40	-1	3		9	-1	-5	5	-1
TOE12567	1.4	3	14	4	19	23	-5	-0.5	11	537	10	-1	2		21	-1	-5	5	-1
TOE12568	0.7	3	6	-1	-5	20	-5	-0.5	6	469	10	-1	1		53	-1	-5	3	-1
TOE12569	5.9	3	44	17	-5	36	-5	-0.5	31	118	10	-1	6		-5	-1	-5	15	-1
TOE12680	13.1	4	87	29	7	10	-5	-0.5	90	406	620	-1	13		14	-1	52	40	-1
TOE50835M	0.5	4	4	3	6	71	10	-0.5	5	525	-10	-1	1	-1	6	2	-5	2	-1
TOE50868M	1.6	60	8	25	19	149	20	0.9	24	518	60	-1	6	-1	17	3	41	6	-1
TOE50869M	0.6	5	2	7	-5	92	12	-0.5	6	253	30	-1	2	-1	15	2	23	2	-1
TOE50870M	0.7	4	4	6	5	139	78	-0.5	7	245	40	-1	2	-1	8	2	21	3	-1
TOE50871M	0.6	11	3	5	-5	109	12	-0.5	4	202	80	-1	1	-1	6	1	18	2	-1
TOE50872M	-0.5	31	2	4	-5	92	9	-0.5	3	259	30	-1	1	-1	6	2	19	1	-1
TOE50873M	-0.5	27	2	5	-5	92	16	-0.5	3	215	40	-1	1	-1	7	2	22	1	-1
TOE50874M	-0.5	79	2	5	6	92	19	-0.5	3	343	50	-1	1	-1	-5	2	24	1	-1
TOE50875M	-0.5	571	-1	4	5	53	20	-0.5	2	742	-10	-1	-1	-1	11	3	30	1	-1
TOE50876M	0.6	141	3	8	-5	92	27	-0.5	8	439	30	-1	2	-1	8	2	28	2	-1
TOE50877M	1.1	449	6	12	7	63	26	1.2	16	640	50	-1	4	-1	-5	3	35	5	-1
TOE50878M	1.3	69	8	10	5	90	16	-0.5	14	335	60	-1	3	-1	6	2	23	5	-1
TOE50879M	-0.5	563	2	5	5	54	8	-0.5	3	494	20	-1	1	-1	5	3	31	1	-1
TOE50880M	11.4	155	62	152	31	111	6	0.8	204	2390	60	-1	45	-1	8	3	54	48	2
TOE50881M	0.6	547	4	10	5	61	22	0.7	11	1550	-10	-1	3	-1	6	3	36	3	-1
TOE50882M	1.2	408	6	14	6	58	19	1.3	18	756	30	-1	4	-1	9	4	39	5	-1
TOE50883M	9.3	54	52	95	31	83	6	-0.5	134	1880	70	-1	29	-1	11	3	41	35	-1
TOE50884M	7.1	40	40	66	51	108	10	-0.5	98	3370	40	-1	21	-1	11	3	32	29	-1
TOE50885M	2.1	11	15	4	18	182	13	-0.5	14	1540	-10	-1	2	-1	10	2	25	7	-1
TOE50886M	1.7	47	8	33	7	47	7	-0.5	36	241	110	-1	9	-1	13	1	9	8	-1
TOE50887M	1.7	13	10	19	9	33	8	-0.5	25	1190	50	-1	6	-1	8	2	6	7	-1

	Eu	Fe	Gd	LA	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
TOE50888M	1.9	31	10	23	9	34	7	-0.5	30	1450	-10	-1	7	-1	9	2	10	8	-1
TOE50889M	0.7	28	4	11	11	25	13	-0.5	13	1080	-10	-1	3	-1	9	1	5	3	-1
TOE50890M	1	6	7	7	12	29	7	-0.5	10	1410	10	-1	2	-1	9	1	-5	4	-1
TOE50891M	3	7	18	18	16	32	-5	-0.5	29	966	20	-1	6	-1	-5	-1	-5	10	-1
TOE50892M	0.5	38	3	6	14	21	6	-0.5	8	1560	-10	-1	2	-1	7	1	-5	2	-1
TOE50893M	2.6	5	17	12	13	33	-5	-0.5	23	848	30	-1	4	-1	-5	-1	-5	9	-1
TOE50894M	0.7	5	5	5	9	36	7	-0.5	7	766	-10	-1	2	-1	-5	1	-5	3	-1
TOE50895M	3.4	132	16	43	8	114	48	1.1	64	1540	30	-1	14	-1	7	3	31	16	-1
TOE50896M	1.1	8	7	9	11	28	8	-0.5	15	1210	-10	-1	3	-1	-5	-1	-5	5	-1
TOE50897M	2.8	6	18	20	8	48	9	-0.5	34	662	-10	-1	7	-1	5	1	-5	10	-1
TOE50898M	2.9	3	20	9	13	139	8	-0.5	25	268	-10	-1	4	-1	-5	1	-5	11	-1
TOE50899M	2	17	12	20	14	93	12	-0.5	27	1000	10	-1	6	-1	7	2	19	8	-1
TOE50931M	0.9	2	8	4	9	79	14	-0.5	9	479	-10	-1	2	-1	6	2	-5	4	-1
TOE50965M	3.4	21	14	201	-5	85	-5	-0.5	85	66	30	-1	25	-1	75	-1	10	13	-1
TOE50966M	2.4	2	14	5	19	57	14	-0.5	12	152	-10	-1	2	-1	-5	-1	-5	6	-1
TOE50967M	1.1	39	6	25	18	31	9	-0.5	21	553	50	-1	5	-1	-5	2	-5	5	-1
TOE50968M	2.2	16	12	31	14	35	6	-0.5	34	889	30	-1	9	-1	7	-1	5	8	-1
TOE50969M	3.3	10	16	45	19	37	9	-0.5	57	1670	-10	-1	13	-1	21	2	5	14	-1
TOE50970M	2.3	16	12	27	18	36	7	-0.5	36	1480	40	-1	8	-1	13	1	6	10	-1
TOE50971M	1	4	7	7	8	55	13	-0.5	11	675	-10	-1	2	-1	5	1	-5	4	-1
TOE50972M	4.9	4	32	28	12	69	9	-0.5	54	742	-10	-1	10	-1	-5	1	-5	18	-1
TOE50973M	3.3	4	24	15	9	139	9	-0.5	34	334	-10	-1	6	-1	7	2	-5	12	-1
TOE50974M	2.6	8	16	26	8	44	8	-0.5	39	1260	-10	-1	9	-1	7	1	-5	11	-1
TOE50975M	3.4	3	22	13	6	104	8	-0.5	27	179	-10	-1	5	-1	6	-1	-5	11	-1
TOE50976M	4.2	3	28	12	7	174	8	-0.5	31	253	-10	-1	5	-1	-5	1	-5	14	-1
TOE50977M	3.4	5	23	21	7	88	7	-0.5	34	302	-10	-1	7	-1	-5	2	-5	11	-1
TOE50978M	0.8	3	7	3	6	141	15	-0.5	5	666	-10	-1	1	-1	6	2	-5	3	-1
TOE50979M	3.2	5	21	26	7	71	10	0.6	39	1120	-10	-1	8	-1	5	2	-5	11	-1
TOE50980M	1.8	3	12	10	5	130	19	-0.5	19	447	-10	-1	4	-1	-5	2	-5	7	-1
TOE50981M	1.5	6	10	14	5	71	6	-0.5	20	429	-10	-1	4	-1	-5	1	-5	6	-1
TOE50982M	0.5	3	4	4	-5	47	17	-0.5	6	1630	-10	-1	2	-1	-5	2	-5	2	-1
TOE50983M	0.5	2	6	-1	7	147	10	-0.5	2	265	10	-1	-1	-1	9	3	-5	2	-1
TOE50984M	-0.5	3	4	4	5	88	27	-0.5	6	601	-10	-1	2	-1	-5	2	-5	3	-1
TOE50985M	1.1	6	7	11	7	54	13	-0.5	19	1010	-10	-1	4	-1	-5	2	-5	5	-1
TOE50986M	1.4	31	7	18	6	136	40	0.6	26	865	30	-1	6	-1	13	2	21	6	-1
TOE50987M	0.5	10	3	8	10	27	17	-0.5	11	1820	-10	-1	3	-1	7	1	-5	3	-1
TOE50988M	-0.5	35	2	4	12	22	14	-0.5	5	709	10	-1	1	-1	-5	1	-5	2	-1
TOE50989M	1.1	12	7	15	34	24	8	-0.5	21	2890	-10	-1	5	-1	7	3	6	6	-1
TOE50990M	0.9	28	5	11	21	23	18	-0.5	15	2760	-10	-1	4	-1	7	3	-5	4	-1
TOE50991M	2.2	8	15	19	11	41	18	-0.5	29	1120	-10	-1	6	-1	5	2	-5	8	-1
TOE50992M	1	2	8	-1	9	88	13	-0.5	3	404	-10	-1	-1	-1	6	2	-5	3	-1

	Eu	Fe	Gd	LA	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
TOE50993M	1.5	3	11	8	8	75	14	-0.5	15	470	-10	-1	3	-1	7	2	-5	6	-1
TOE50994M	-0.5	5	4	7	7	82	22	-0.5	11	456	-10	-1	3	-1	8	3	-5	3	-1
TOE50995M	3.5	3	24	15	15	149	9	-0.5	36	421	-10	-1	6	-1	-5	2	6	13	-1

TOE MMI SA

	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
Sample_ID	PPB_10	PPB_1	PPB_1	PPB_10	PPB_05	PPB_3	PPB_05	PPB_1	PPB_1	PPB_5	PPB_1	PPB_20	PPB_5
TOE10245	2360	-1	2	-10	16.5	61	-0.5	11	-1	46	4	20	20
TOE10246	3430	-1	1	-10	10.1	25	-0.5	1	-1	51	2	40	10
TOE10247	3260	-1	3	-10	6.4	7	-0.5	8	-1	115	8	70	9
TOE10248	1040	-1	5	-10	29.4	898	-0.5	5	-1	153	9	60	27
TOE10249	1150	-1	-1	-10	2	19	-0.5	-1	-1	18	1	40	7
TOE10250	1330	-1	-1	-10	12	1040	-0.5	2	-1	18	1	910	22
TOE10399													
TOE11346	990	-1	-1	-10	-0.5	6	-0.5	6	-1	15	1	30	9
TOE11390	1850	-1	-1	-10	1.2	8	-0.5	11	-1	21	2	60	15
TOE11397	1550	-1	-1	-10	0.9	9	-0.5	9	-1	19	1	50	13
TOE11410	1770	-1	-1	-10	1.6	10	-0.5	12	-1	21	2	50	14
TOE11433	1410	-1	-1	-10	0.8	7	-0.5	9	-1	15	1	50	11
TOE11475	1830	-1	-1	-10	1	11	-0.5	10	-1	20	2	50	14
TOE12013	3020	-1	-1	-10	-0.5	6	-0.5	2	-1	-5	-1	50	-5
TOE12014	3370	-1	-1	-10	-0.5	4	-0.5	53	-1	-5	-1	-20	-5
TOE12015	2670	-1	1	-10	5.8	8	-0.5	55	-1	43	3	-20	17
TOE12016	4880	-1	2	-10	1.4	4	-0.5	43	-1	105	12	70	6
TOE12017	3410	-1	-1	-10	1.7	3	-0.5	40	-1	26	3	40	5
TOE12018	3310	-1	2	-10	8.6	12	-0.5	12	-1	76	8	-20	19
TOE12019	980	-1	10	-10	35.8	256	-0.5	8	-1	424	17	40	27
TOE12020	3140	-1	3	-10	4	14	-0.5	3	-1	95	7	110	6
TOE12021	3910	-1	1	-10	5	82	-0.5	2	-1	46	4	580	10
TOE12022	4550	-1	2	-10	3.1	6	-0.5	8	-1	48	3	140	6
TOE12023	4100	-1	11	-10	9.8	8	-0.5	16	-1	387	23	180	16
TOE12024	4770	-1	9	-10	7.6	10	-0.5	10	-1	374	22	430	13
TOE12025	3360	-1	2	-10	2.1	4	-0.5	2	-1	67	6	90	-5
TOE12026	3990	-1	4	-10	1.3	5	-0.5	5	-1	115	13	90	-5
TOE12027	1860	-1	-1	-10	3.9	26	-0.5	2	-1	11	-1	80	6
TOE12028	2350	-1	2	-10	8.2	8	-0.5	3	-1	66	5	130	7
TOE12029	3210	-1	2	-10	7.6	13	-0.5	11	-1	50	5	-20	12
TOE12030	2320	-1	-1	-10	-0.5	15	-0.5	32	-1	-5	-1	370	6
TOE12033	1200	-1	1	-10	4.2	20	-0.5	5	-1	39	3	20	6
TOE12074	1740	-1	-1	-10	1.3	11	-0.5	10	-1	19	2	50	12
TOE12077	3130	-1	-1	-10	3.5	6	-0.5	31	-1	19	2	-20	7
TOE12078	3340	-1	2	-10	8.5	27	-0.5	45	-1	72	7	-20	27
TOE12079	4870	-1	9	-10	1.8	3	-0.5	25	-1	267	34	40	8
TOE12080	4570	-1	9	-10	3.2	3	-0.5	7	-1	246	20	50	7
TOE12081	4440	-1	3	-10	0.5	4	-0.5	5	-1	74	10	640	8
TOE12082	4900	-1	7	-10	4.7	5	-0.5	49	-1	169	16	50	9

	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
TOE12083	5340	-1	3	-10	-0.5	5	-0.5	2	-1	146	16	120	-5
TOE12084	3180	-1	2	-10	0.7	3	-0.5	2	-1	42	6	40	6
TOE12085	2730	-1	-1	-10	2.9	3	-0.5	4	-1	30	4	20	-5
TOE12086	1060	-1	3	-10	6.6	182	-0.5	3	-1	121	10	90	8
TOE12087	2250	-1	-1	-10	1.5	15	-0.5	1	-1	23	2	30	-5
TOE12088	3510	-1	1	-10	3.6	14	-0.5	2	-1	46	5	120	8
TOE12089	2200	-1	3	-10	1.8	4	-0.5	2	-1	120	7	80	-5
TOE12090	4410	-1	-1	-10	1.7	5	-0.5	2	-1	31	4	60	-5
TOE12091	5240	-1	-1	-10	2.1	-3	-0.5	7	-1	7	1	30	-5
TOE12092	1820	-1	-1	-10	1	8	-0.5	1	-1	12	-1	20	-5
TOE12093	4110	-1	1	-10	11.3	76	-0.5	2	-1	28	2	80	10
TOE12094	2990	-1	3	-10	14.8	76	-0.5	5	-1	98	10	70	19
TOE12095	3440	-1	7	-10	7.5	18	-0.5	9	-1	262	17	250	22
TOE12096	4360	-1	4	-10	1.3	5	-0.5	6	-1	113	14	190	7
TOE12097	3920	-1	2	-10	3.1	5	-0.5	7	-1	73	10	90	6
TOE12098	4480	-1	1	-10	0.5	-3	-0.5	2	-1	47	6	50	-5
TOE12099	3350	-1	4	-10	5.5	14	-0.5	3	-1	166	25	140	10
TOE12100	5290	-1	2	-10	0.6	-3	-0.5	19	-1	44	5	-20	-5
TOE12101	3260	-1	-1	-10	-0.5	-3	-0.5	3	-1	14	2	60	-5
TOE12102	1110	-1	-1	-10	0.6	-3	-0.5	-1	-1	12	2	-20	-5
TOE12103	3560	-1	2	-10	20.8	7	-0.5	8	-1	59	5	20	12
TOE12104	3930	-1	7	-10	2.3	-3	-0.5	3	-1	245	20	50	-5
TOE12105	4210	-1	-1	-10	2.1	-3	-0.5	-1	-1	35	3	470	-5
TOE12106	3370	-1	10	-10	2.3	-3	-0.5	5	-1	331	31	110	-5
TOE12107	3220	-1	11	-10	3.9	-3	-0.5	13	-1	361	25	40	-5
TOE12108	3410	-1	7	-10	0.9	-3	-0.5	8	-1	197	18	180	-5
TOE12109	3560	-1	5	-10	1.6	-3	-0.5	2	-1	175	16	30	-5
TOE12116	2330	-1	1	-10	3.4	18	-0.5	2	-1	42	4	180	-5
TOE12123	8410	-1	-1	-10	-0.5	-3	-0.5	-1	-1	10	1	80	-5
TOE12124	1550	-1	-1	-10	1.2	-3	-0.5	11	-1	23	4	20	-5
TOE12125	2490	-1	2	-10	5.8	20	-0.5	-1	-1	75	4	330	-5
TOE12126	3160	-1	1	-10	1.7	-3	-0.5	3	-1	41	4	110	-5
TOE12127	3100	-1	32	-10	17.5	44	-0.5	26	-1	926	64	90	20
TOE12128	3790	-1	3	-10	4.2	-3	-0.5	6	-1	109	10	60	-5
TOE12129	1310	-1	13	-10	54	1530	-0.5	14	-1	436	27	220	58
TOE12130	2020	-1	6	-10	16.9	228	-0.5	8	-1	216	11	120	19
TOE12131	1150	-1	3	-10	27.8	298	-0.5	7	-1	107	7	160	20
TOE12132	3250	-1	4	-10	2.9	-3	-0.5	11	-1	168	15	-20	-5
TOE12133	2200	-1	1	-10	4.4	-3	-0.5	21	-1	45	4	-20	-5
TOE12134	3080	-1	2	-10	3.1	-3	-0.5	20	-1	78	14	200	-5
TOE12135	1300	-1	8	-10	19.8	58	-0.5	23	-1	174	13	80	13

	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
TOE12136	2230	-1	4	-10	3.5	-3	-0.5	6	-1	106	14	70	-5
TOE12137	6130	-1	-1	-10	-0.5	-3	-0.5	2	-1	10	-1	100	-5
TOE12138	2830	-1	-1	-10	0.9	3	-0.5	-1	-1	23	2	100	-5
TOE12139	3100	-1	-1	-10	0.7	-3	-0.5	-1	-1	31	3	120	-5
TOE12140	4240	-1	-1	-10	-0.5	-3	-0.5	1	-1	5	-1	160	-5
TOE12141	1980	-1	1	-10	7.9	171	-0.5	2	-1	30	2	90	10
TOE12142	2310	-1	-1	-10	2.6	12	-0.5	2	-1	21	2	60	-5
TOE12143	2500	-1	-1	-10	2.6	12	-0.5	4	-1	36	4	420	-5
TOE12144	3520	-1	5	-10	2.4	-3	-0.5	20	-1	160	17	60	-5
TOE12145	2610	-1	5	-10	3.7	-3	-0.5	2	-1	156	12	140	-5
TOE12146	3850	-1	-1	-10	0.6	-3	-0.5	-1	-1	17	2	180	-5
TOE12147	2400	-1	2	-10	4.3	150	-0.5	2	-1	62	4	320	-5
TOE12148	2620	-1	-1	-10	2	15	-0.5	2	-1	19	2	90	-5
TOE12150	2460	-1	-1	-10	7.6	62	-0.5	3	-1	31	2	240	6
TOE12151	3610	-1	17	-10	3.8	-3	-0.5	19	-1	499	48	140	-5
TOE12152	3160	-1	1	-10	1.5	4	-0.5	5	-1	37	3	370	-5
TOE12153	3770	-1	-1	-10	0.6	-3	-0.5	3	-1	26	3	290	-5
TOE12154	1340	-1	-1	-10	4.2	304	-0.5	3	-1	27	3	120	-5
TOE12155	2820	-1	-1	-10	-0.5	10	-0.5	2	-1	-5	-1	50	-5
TOE12156	2730	-1	1	-10	1.9	-3	-0.5	9	-1	44	5	60	-5
TOE12158	3160	-1	-1	-10	1.2	-3	-0.5	15	-1	15	2	-20	-5
TOE12159	4150	-1	7	-10	0.6	-3	-0.5	13	-1	218	34	-20	-5
TOE12160	3980	-1	6	-10	0.9	-3	-0.5	21	-1	165	18	-20	-5
TOE12161	3650	-1	10	-10	1.5	-3	-0.5	17	-1	259	28	-20	-5
TOE12162	3600	-1	21	-10	2.5	-3	-0.5	4	-1	639	118	-20	-5
TOE12163	3870	-1	1	-10	1.6	-3	-0.5	2	-1	32	5	-20	-5
TOE12164	3640	-1	1	-10	2.7	-3	-0.5	2	-1	56	6	170	-5
TOE12165	3520	-1	2	-10	1.4	-3	-0.5	1	-1	66	7	30	-5
TOE12166	3940	-1	1	-10	0.8	-3	-0.5	2	-1	31	3	70	-5
TOE12167	3970	-1	-1	-10	0.6	-3	-0.5	7	-1	23	3	50	-5
TOE12168	2980	-1	3	-10	6.2	-3	-0.5	19	-1	101	12	-20	11
TOE12169	2710	-1	-1	-10	1.7	-3	-0.5	5	-1	15	2	-20	-5
TOE12170	3470	-1	-1	-10	0.6	-3	-0.5	61	-1	27	3	-20	-5
TOE12171	3290	-1	-1	-10	0.8	-3	-0.5	33	-1	17	2	-20	-5
TOE12172	3730	-1	4	-10	2.1	3	-0.5	5	-1	124	17	40	9
TOE12173	4460	-1	3	-10	2	3	-0.5	7	-1	82	10	-20	-5
TOE12174	3370	-1	6	-10	5.2	6	-0.5	4	-1	204	27	40	10
TOE12175	4040	-1	1	-10	1.7	-3	-0.5	1	-1	58	8	-20	5
TOE12176	2340	-1	16	-10	7.6	8	-0.5	1	-1	650	64	50	6
TOE12177	3830	-1	2	-10	0.9	-3	-0.5	2	-1	44	6	30	-5
TOE12178	4430	-1	6	-10	0.9	-3	-0.5	16	-1	141	11	-20	-5

	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
TOE12179	2900	-1	4	-10	2.5	3	-0.5	3	-1	140	19	340	6
TOE12180	2530	-1	1	-10	3.3	6	-0.5	4	-1	34	5	150	7
TOE12181	2080	-1	-1	-10	2.3	9	-0.5	13	-1	12	2	140	-5
TOE12182	1920	-1	-1	-10	-0.5	3	-0.5	-1	-1	5	-1	1410	-5
TOE12183	3230	-1	1	-10	1.9	5	-0.5	3	-1	38	5	400	6
TOE12184	3860	-1	2	-10	2.1	-3	-0.5	2	-1	80	9	40	6
TOE12185	2200	-1	-1	-10	-0.5	8	-0.5	4	-1	23	4	240	-5
TOE12186	3140	-1	18	-10	1.3	3	-0.5	3	-1	570	49	50	-5
TOE12187	3640	-1	2	-10	1.4	5	-0.5	5	-1	62	5	20	-5
TOE12188	3920	-1	5	-10	0.9	-3	-0.5	7	-1	203	22	-20	-5
TOE12189	4640	-1	4	-10	-0.5	-3	-0.5	3	-1	122	12	-20	-5
TOE12190	4620	-1	2	-10	-0.5	-3	-0.5	4	-1	59	5	-20	-5
TOE12191	4410	-1	4	-10	0.7	-3	-0.5	4	-1	122	11	50	-5
TOE12451	2990	-1	2	-10	7.9	156	-0.5	5	-1	69	8	260	19
TOE12452	3760	-1	-1	-10	0.9	5	-0.5	2	-1	32	4	140	-5
TOE12453	1960	-1	5	-10	37.2	1300	-0.5	7	-1	195	13	50	40
TOE12454	1660	-1	3	-10	37.9	2150	-0.5	6	-1	92	7	100	51
TOE12455	2970	-1	-1	-10	0.8	53	-0.5	1	-1	16	2	80	8
TOE12456	2550	-1	2	-10	6.3	395	-0.5	3	-1	51	4	140	19
TOE12457	2870	-1	6	-10	4.8	23	-0.5	19	-1	198	18	70	11
TOE12458	3920	-1	-1	-10	0.6	10	-0.5	-1	-1	9	-1	80	-5
TOE12459	2460	-1	-1	-10	4.8	866	-0.5	2	-1	27	2	330	29
TOE12460	2140	-1	-1	-10	2.6	240	-0.5	-1	-1	9	-1	100	14
TOE12461	2310	-1	-1	-10	3.6	18	-0.5	5	-1	36	4	130	12
TOE12462	2350	-1	1	-10	18.3	872	-0.5	3	-1	35	3	90	28
TOE12463	1150	-1	18	-10	35.1	745	-0.5	17	-1	791	60	140	41
TOE12464	2870	-1	-1	-10	2.7	30	-0.5	2	-1	27	3	100	7
TOE12465	1800	-1	2	-10	19.7	327	-0.5	8	-1	80	7	150	26
TOE12466	2690	-1	-1	-10	2	131	-0.5	3	-1	32	4	110	13
TOE12467	1280	-1	1	-10	14.4	911	-0.5	3	-1	40	3	240	30
TOE12468	3440	-1	1	-10	1.5	13	-0.5	2	-1	54	6	110	7
TOE12469	3680	-1	-1	-10	-0.5	8	-0.5	-1	-1	14	1	60	-5
TOE12470	4200	-1	-1	-10	-0.5	-3	-0.5	-1	-1	30	4	50	-5
TOE12471	660	-1	3	-10	43.5	1920	-0.5	6	-1	85	6	200	71
TOE12472	1400	-1	3	-10	15.4	1020	-0.5	3	-1	106	6	180	34
TOE12473	3990	-1	-1	-10	4.5	129	-0.5	2	-1	19	2	70	13
TOE12474	2140	-1	4	-10	15.4	525	-0.5	3	-1	155	12	70	20
TOE12475	1000	2	2	-10	27	4180	-0.5	3	-1	57	4	150	51
TOE12476	2600	-1	4	-10	6.1	67	-0.5	2	-1	134	12	50	7
TOE12477	1490	-1	1	-10	10	225	-0.5	3	-1	47	4	60	17
TOE12478	2280	-1	1	-10	3.2	47	-0.5	-1	-1	64	6	60	6

	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
TOE12479	3170	-1	5	-10	3.4	15	-0.5	9	-1	153	23	80	7
TOE12480	1620	-1	-1	-10	8.5	1150	-0.5	2	-1	35	2	80	32
TOE12481	3250	-1	-1	-10	-0.5	-3	-0.5	-1	-1	16	2	100	-5
TOE12482	3320	-1	2	-10	1.7	-3	-0.5	59	-1	50	6	50	-5
TOE12487	2440	-1	-1	-10	2.4	22	-0.5	2	-1	17	2	220	6
TOE12492	2360	-1	-1	-10	2.3	85	-0.5	-1	-1	8	-1	90	11
TOE12556	3950	-1	6	-10	0.6	-3	-0.5	9	-1	181	21	100	-5
TOE12557	3540	-1	2	-10	-0.5	-3	-0.5	1	-1	59	7	160	-5
TOE12558	3680	-1	2	-10	-0.5	-3	-0.5	3	-1	73	8	80	-5
TOE12559	3970	-1	4	-10	0.8	-3	-0.5	7	-1	129	12	60	-5
TOE12561	3640	-1	-1	-10	-0.5	5	-0.5	-1	-1	32	3	180	-5
TOE12562	3880	-1	2	-10	-0.5	-3	-0.5	2	-1	53	4	40	-5
TOE12563	3830	-1	-1	-10	-0.5	-3	-0.5	-1	-1	19	2	110	-5
TOE12564	3600	-1	6	-10	0.9	-3	-0.5	10	-1	194	24	50	-5
TOE12565	5180	-1	3	-10	2	-3	-0.5	50	-1	78	10	60	-5
TOE12566	4050	-1	2	-10	1.8	-3	-0.5	7	-1	56	9	40	-5
TOE12567	4640	-1	2	-10	0.6	-3	-0.5	17	-1	78	15	90	7
TOE12568	3900	-1	1	-10	-0.5	3	-0.5	70	-1	43	10	430	5
TOE12569	4060	-1	7	-10	1.5	-3	-0.5	37	-1	210	28	200	-5
TOE12680	2540	-1	18	-10	4.8	4	-0.5	2	-1	655	61	30	-5
TOE50835M	3610	-1	-1	-10	0.9	5	-0.5	40	-1	21	3	-20	6
TOE50868M	2470	1	1	10	6.4	683	-0.5	20	1	38	5	660	123
TOE50869M	2310	-1	-1	-10	3.2	60	-0.5	7	-1	10	1	420	91
TOE50870M	2410	-1	-1	-10	2.3	63	-0.5	4	-1	17	2	400	90
TOE50871M	3020	-1	-1	-10	1.3	54	-0.5	-1	-1	16	2	310	83
TOE50872M	2900	-1	-1	-10	1.1	55	-0.5	1	-1	11	1	90	76
TOE50873M	3080	-1	-1	-10	1	55	-0.5	-1	-1	8	-1	140	84
TOE50874M	3230	-1	-1	-10	0.9	63	-0.5	7	-1	9	1	180	79
TOE50875M	2970	-1	-1	-10	0.7	276	-0.5	7	-1	8	-1	40	102
TOE50876M	3430	-1	-1	-10	1.6	111	-0.5	9	-1	17	2	200	91
TOE50877M	2550	-1	1	-10	2.9	381	-0.5	73	-1	38	4	40	111
TOE50878M	2320	-1	1	-10	0.9	89	-0.5	6	-1	45	6	110	96
TOE50879M	1790	-1	-1	-10	0.8	272	-0.5	23	-1	17	2	30	107
TOE50880M	3450	-1	9	-10	20.7	236	-0.5	25	-1	295	30	260	100
TOE50881M	2330	-1	-1	-10	2.3	294	-0.5	8	-1	28	3	80	119
TOE50882M	2230	-1	1	-10	3.2	378	-0.5	22	-1	40	4	110	117
TOE50883M	4160	-1	9	-10	11.1	60	-0.5	21	-1	285	32	210	52
TOE50884M	5750	-1	7	-10	8.8	32	-0.5	30	-1	214	24	120	53
TOE50885M	5210	-1	2	-10	5.1	32	-0.5	32	-1	83	9	30	57
TOE50886M	1520	-1	1	-10	7.9	154	-0.5	3	-1	31	3	70	57
TOE50887M	3270	-1	2	-10	1.9	5	-0.5	18	-1	61	9	30	10

	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
TOE50888M	2640	-1	2	-10	2.7	10	-0.5	22	-1	57	8	50	16
TOE50889M	2640	-1	-1	-10	1.5	12	-0.5	66	-1	23	4	30	9
TOE50890M	2240	-1	1	-10	1.1	-3	-0.5	10	-1	43	6	50	-5
TOE50891M	2630	-1	3	-10	1.9	3	-0.5	29	-1	107	12	50	11
TOE50892M	2120	-1	-1	-10	1	6	-0.5	11	-1	25	5	90	8
TOE50893M	2470	-1	3	-10	1	-3	-0.5	7	-1	102	11	160	9
TOE50894M	2590	-1	-1	-10	0.7	3	-0.5	10	-1	29	3	50	6
TOE50895M	3330	-1	2	-10	9.6	94	-0.5	31	-1	78	7	520	104
TOE50896M	3250	-1	-1	-10	0.9	-3	-0.5	11	-1	35	5	200	7
TOE50897M	3210	-1	3	-10	2.7	-3	-0.5	3	-1	90	11	120	12
TOE50898M	3990	-1	3	-10	1.3	10	-0.5	19	-1	85	7	30	21
TOE50899M	3600	-1	2	-10	1.9	29	-0.5	8	-1	60	6	170	39
TOE50931M	3120	-1	1	-10	1.1	-3	-0.5	68	-1	32	4	-20	7
TOE50965M	2450	-1	2	-10	24.3	133	-0.5	13	-1	48	3	30	48
TOE50966M	1530	-1	2	-10	1.6	5	-0.5	18	-1	71	6	20	13
TOE50967M	1450	-1	-1	-10	1.4	17	-0.5	138	-1	48	5	250	12
TOE50968M	2480	-1	2	-10	2.9	5	-0.5	17	-1	73	9	30	13
TOE50969M	2640	-1	2	-10	5.6	5	-0.5	16	-1	84	12	50	15
TOE50970M	2200	-1	2	-10	3.1	5	-0.5	17	-1	59	8	60	14
TOE50971M	3100	-1	1	-10	1.1	-3	-0.5	31	-1	38	5	60	6
TOE50972M	3990	-1	5	-10	3.2	3	-0.5	19	-1	142	15	40	16
TOE50973M	4500	-1	4	-10	3.3	4	-0.5	29	-1	99	10	40	17
TOE50974M	3850	-1	3	-10	2.5	5	-0.5	25	-1	85	12	40	13
TOE50975M	3500	-1	3	-10	2.7	6	-0.5	43	-1	101	9	20	13
TOE50976M	3870	-1	4	-10	1.9	5	-0.5	40	-1	108	9	-20	15
TOE50977M	3820	-1	4	-10	1.9	-3	-0.5	62	-1	114	16	40	10
TOE50978M	3720	-1	1	-10	1.5	6	-0.5	63	-1	37	4	-20	17
TOE50979M	3600	1	3	-10	5.2	3	-0.5	60	1	115	17	20	13
TOE50980M	3930	-1	2	-10	4.1	-3	-0.5	74	1	54	7	-20	15
TOE50981M	3490	-1	2	-10	2.8	4	-0.5	17	-1	48	7	80	8
TOE50982M	2940	-1	-1	-10	2.6	-3	-0.5	37	-1	20	4	20	7
TOE50983M	4200	-1	1	-10	1.2	7	-0.5	69	-1	34	4	-20	16
TOE50984M	4120	-1	-1	-10	1.9	4	-0.5	98	-1	20	3	-20	8
TOE50985M	3780	-1	-1	-10	2.7	-3	-0.5	34	-1	26	4	-20	10
TOE50986M	3830	-1	1	-10	4.3	60	-0.5	30	-1	31	3	100	76
TOE50987M	2880	-1	-1	-10	1.2	4	-0.5	23	-1	17	4	30	-5
TOE50988M	1880	-1	-1	-10	0.8	14	-0.5	34	-1	20	4	90	8
TOE50989M	2550	-1	1	-10	2.4	-3	-0.5	34	-1	41	9	40	9
TOE50990M	2090	-1	-1	-10	1.8	7	-0.5	49	-1	40	9	70	12
TOE50991M	2890	-1	2	-10	2	-3	-0.5	71	-1	74	10	30	10
TOE50992M	3040	-1	1	-10	0.7	-3	-0.5	52	-1	38	5	-20	10

	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
TOE50993M	3670	-1	2	-10	2	4	-0.5	56	-1	43	5	-20	10
TOE50994M	3710	-1	-1	-10	1.9	4	-0.5	177	-1	17	3	-20	7
TOE50995M	4160	-1	4	-10	3.1	7	-0.5	83	-1	87	8	-20	13

APPENDIX B
ROCK SAMPLE DESCRIPTIONS, LOCATIONS
TOE CLAIMS

TOE PROPERTY ROCK SAMPLES

SAMPLE	EAST	NORTH	Au (g/t)	Cu (%)	TYPE	LITHOLOGY
78861	373027	6959212	<0.03	<0.01	grab	Biotite-hornblende tonalite
398012	373590	6956864	<0.03	<0.01	float	Granodiorite, trace epidote
78860	373819	6959580	<0.03	<0.01	comp grab	Hornblende-biotite granodiorite, weakly foliated
398014	374708	6956392	<0.03	<0.01	subcrop grab	Felsic dyke, weakly foliated
78862	375379	6958811	<0.03	<0.01	grab	Aplite dyke, well foliated, weakly magnetic
78863	376471	6957953	<0.03	<0.01	comp grab	Hornblende-biotite granodiorite, weakly foliated