

**RESULTS OF MOBILE METAL IONS SOIL GEOCHEMICAL SURVEYS, GARNET  
TOWNSHIP, PORCUPINE MINING DIVISION, ONTARIO**

**Prepared By:**

**R.K. Bezys, M.Sc., P.Geo., CPG**

**Wildwood Geological Services Inc.**

**627 Manchester Blvd. North**

**Winnipeg, Manitoba**

**R3T 1N9**

**Prepared For:**

**Cascadero Copper Corporation**

**590 East Kings Road**

**North Vancouver, B.C.**

**V7N 1J3**

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## **SUMMARY**

A Mobile Metal Ions soil geochemical survey on claims 4252207, 4252208, 4251100 and 4251382 in Garnet Township was undertaken between the dates November 2 and November 13, 2012. A total of 400 samples were collected using Dutch augers with extensions. Results document the relative lack of significant base and precious metal responses from the surveyed area. There is a coincident Au-Cu anomaly developed on a small grid on claim 4251382 although this is a very low-contrast anomaly that is areally restricted. A strong very high-contrast Zn response of 705 times background is present in a single sample near the northern boundary of claim 4252208.

The area of the Zn anomaly should be prospected to check for any signs of alteration/mineralization or any geological clues that might help to explain the anomaly. In the absence of such clues MMI sampling will be required in the general area of this response to evaluate its significance.

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## **GEOCHEMICAL SURVEYS**

### **Mobile Metal Ions (MMI-M)**

A Mobile Metal Ions soil geochemical survey was undertaken in Garnet Township (Figure 1) to assess the area for base and precious metal anomalous responses. A total of 400 soil samples were collected and analyzed by MMI-M/ICP-MS along six transects located in claims 4252207, 4252208, 4251100 and 4251382 as shown in Figures 1 to 3. The samples collected from the eight east-west traverses and one detailed grid with UTM coordinates and analytical results are given in Appendix 1. Lab certificates are presented in Appendix 2. The sample string included GT-12-1000 to GT-12-1144, GT-12-2000 to GT-12-2135 and GT-12-3000 to GT-12-3128. The sampling was done between November 2, 2012 and November 13, 2012 by C. Johnson, D. Pilon, D. Gibson, N. Astelford, S. Malette and P. Allain. Results are described below using colour-coded bubble plots accompanied by a geochemical narrative. The UTM coordinates were acquired using datum NAD83 Zone 17.





Figure 1. Location map for the Garnet Township Mobile Metal Ions survey area.

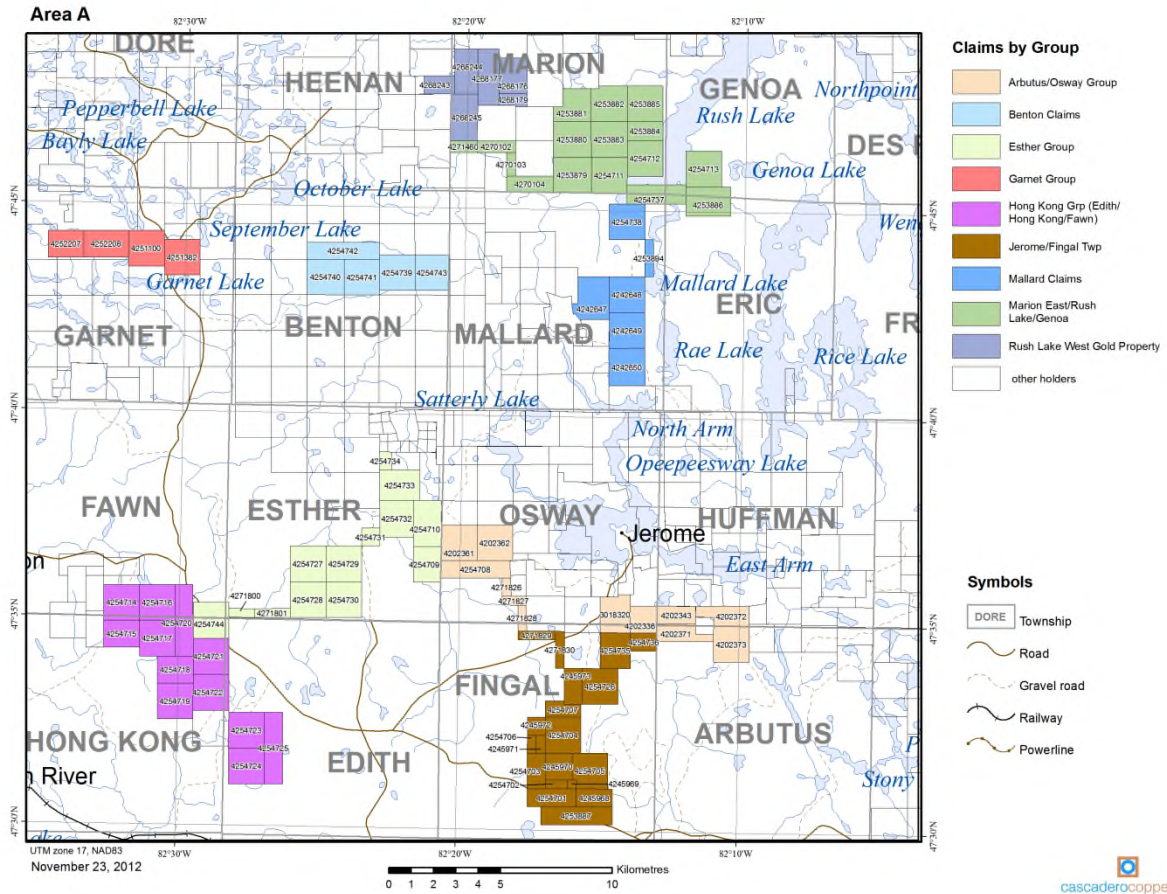


Figure 2. Location of the Garnet Township MMI soil sampling program on topographic and claim fabric.

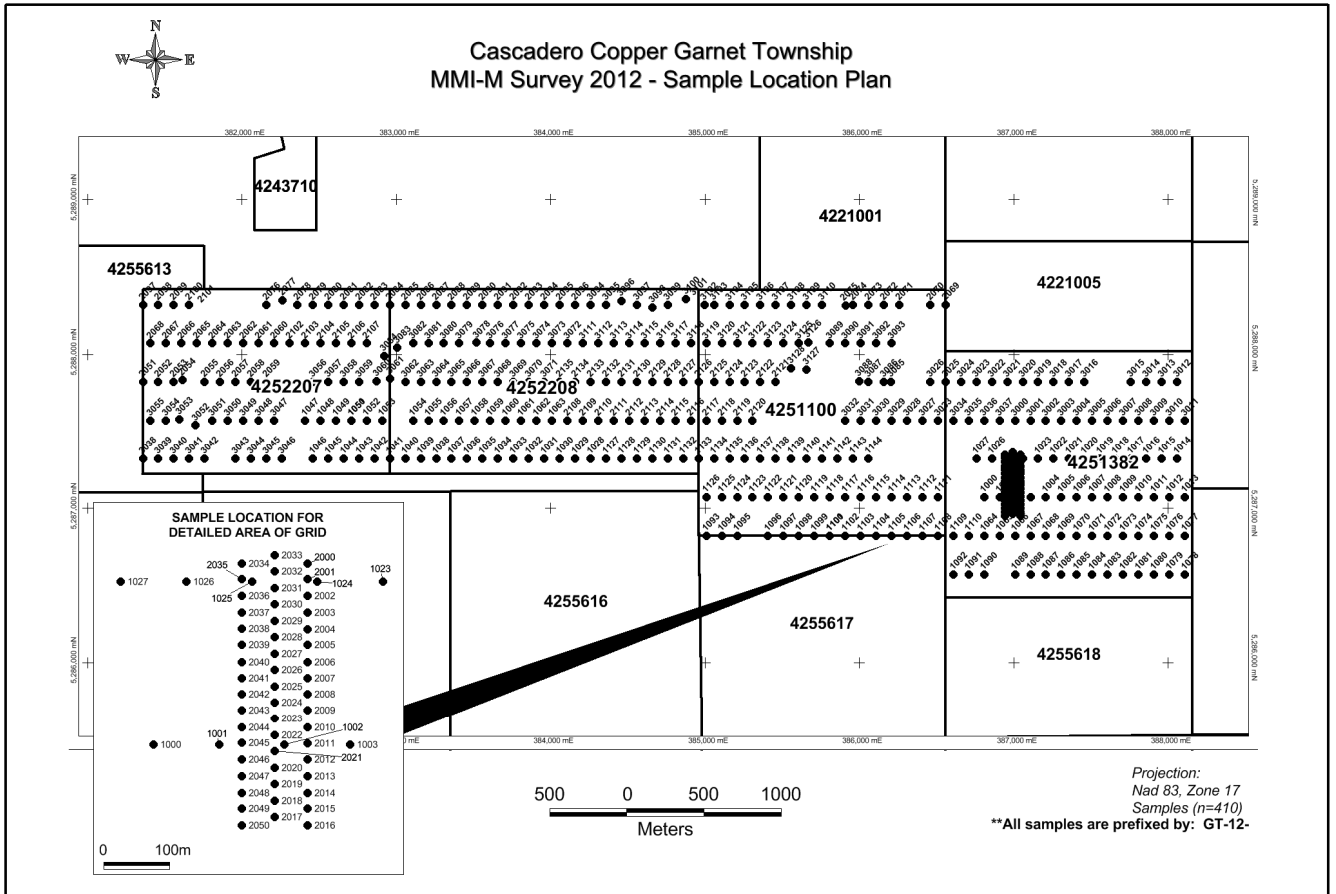


Figure 3. Location and label grid map for the Garnet MMI soil samples on claim fabric.

## RESULTS

Mobile Metal Ions soil geochemical data for the elements Au, Ag, Cu, Pb, Zn, Ni, As and Mo are presented in the form of colour-coded bubble plots. Individual element responses are discussed below. When calculated response ratios exceed 100 times background or 100RR all samples with RR>100 are re-set to 100 and the data re-plotted. This permits examination of the data for more subtle trends at lower concentration levels.

**AuRR (1-48; Figure 4):** The pattern of response for Au is one of scattered responses over much of the survey area. There are however two zones of elevated responses. The first occurs in claim 4251382 where a single sample moderate-contrast AuRR of 48 times background is flanked by two very low-

contrast responses. The second anomaly is a three-sample response with a maximum RR of 15 times background. This anomaly occurs on the border between claim 4251100 and 4255617.

**CuRR (1-102; Figure 5):** The Cu responses in the survey area have high-contrast responses of 102 times background however the strongly elevated CuRR responses are widely separated single sample anomalies. These responses are scattered across the claims that were sampled for this survey and show no vector to mineralization. There is a low-contrast Cu anomaly developed on claim 4251382 and this is coincident with the low-contrast Au anomaly described above. Both the Cu and Au elevated responses are from a more detailed sampling grid established in this area.

**AgRR (1-16; Figure 6):** The Ag responses in the Garnet Township survey are low-contrast with maximum RR of 16 times background. There are clusters or groupings of low-contrast responses in the northwest corner and along the northernmost two sampling transects on claim 4251382. Elsewhere the responses are non-diagnostic of mineralization.

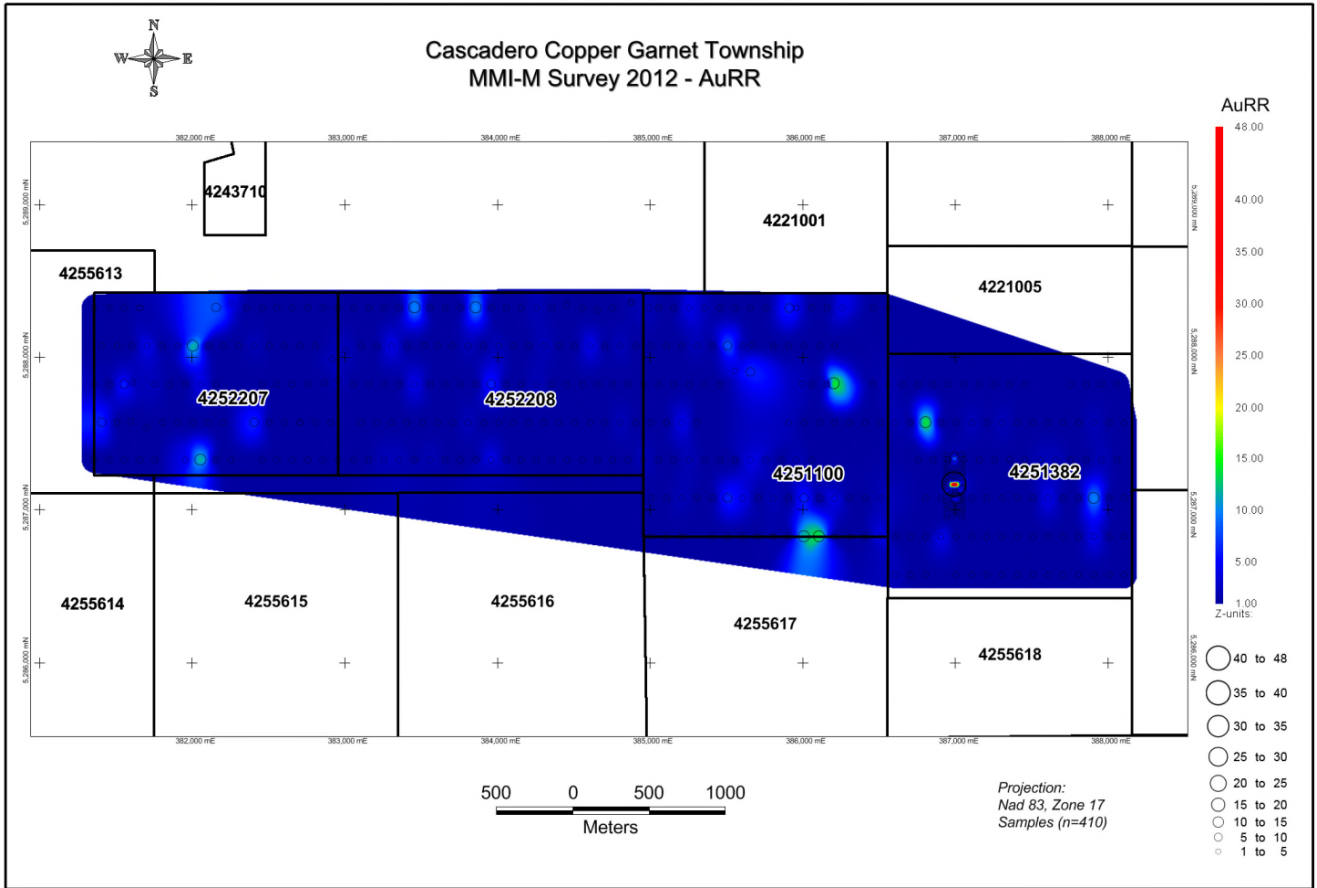
**AsRR (1-22; Figure 7):** The AsRR in this survey are widely scattered single sample responses that do not provide a vector to mineralization. They are primarily low-contrast and are interpreted to be of little if any significance.

**MoRR (1-35; Figure 8):** There are four moderate-contrast Mo responses with maximum RR of 35 times background in the survey area. These are widely scattered responses and provide no indication of a coherent Mo anomaly that might be related to mineralization.

**NiRR (1-13; Figure 9):** Nickel responses have maximum values of 15 times background and are erratically distributed across the survey area. There is no indication of a signature that might be related to a nickel-mineralized zone or to a unique lithology. The responses are little more than random background variation.

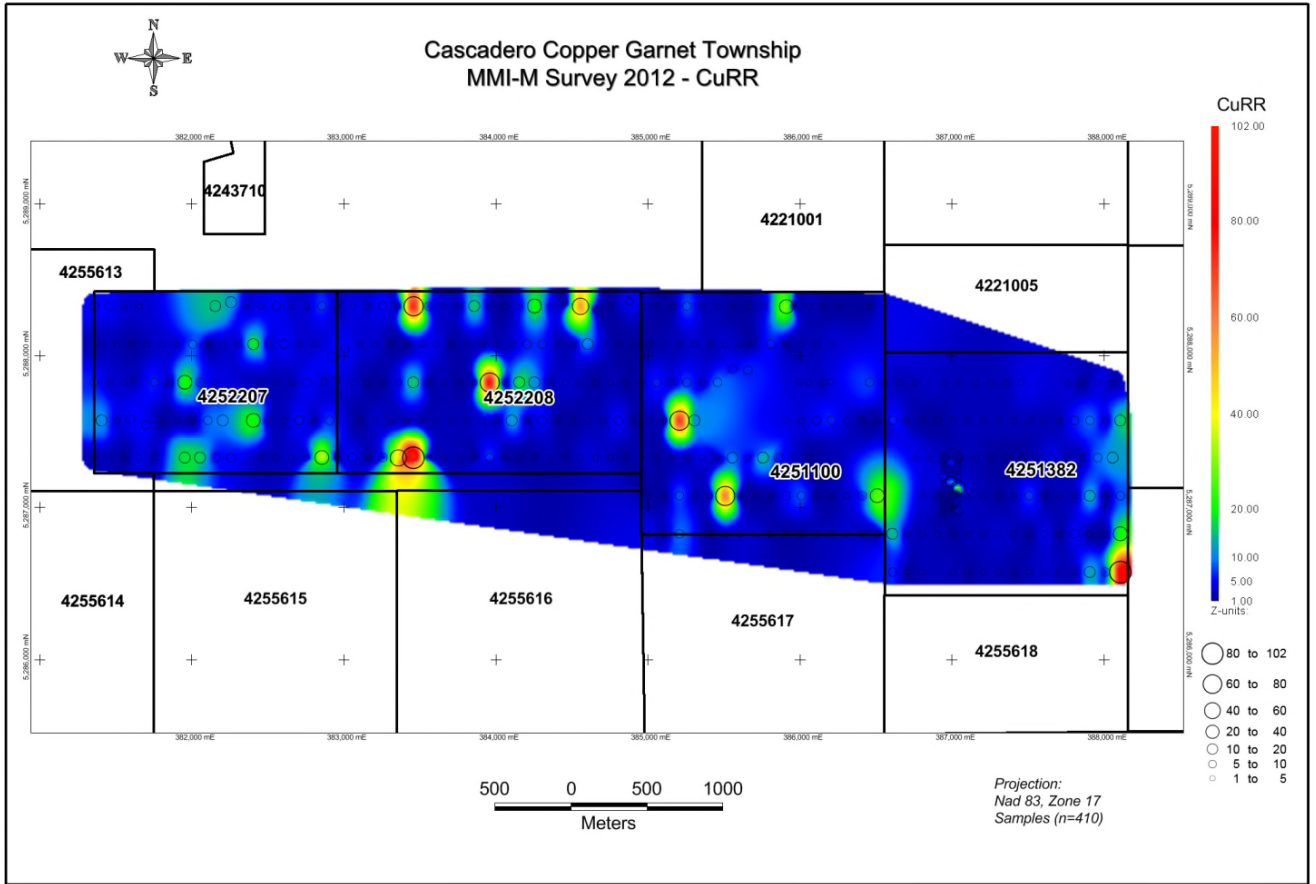
**PbRR (1-95; Figure 10):** Maximum PbRR in the Garnet MMI survey database is 95 times background. There are only three responses for Pb that are above background and these are widely spaced single sample responses. There is no indication of a signature that might be related to a base metal mineralized zone.

**ZnRR (1-705; Figures 11 and 12):** The maximum ZnRR is a very high-contrast 705 times background. This sample site occurs near the north boundary of claim 4252208. This anomaly occurs in isolation as the truncated ZnRR data fails to demonstrate a recognizable pattern for Zn at lower concentration levels. The possibility exists this very high Zn response is either spurious or is associated with additional anomalous responses that occur to the north of claim 4252208. Additional surveys in this area would be required to confirm this.

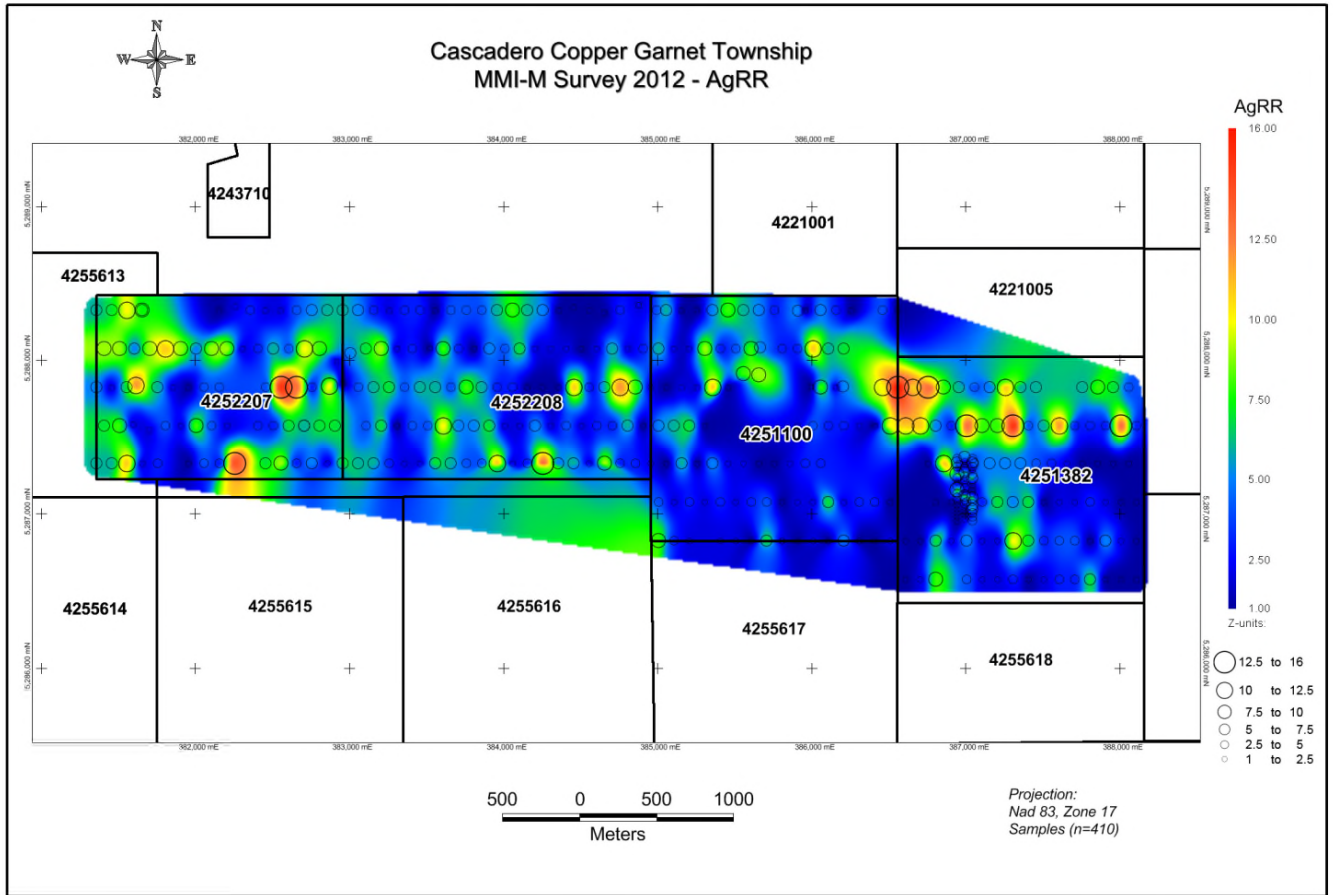


**Figure 4. Bubble plot depicting Au MMI responses at the Garnet Township survey site.**

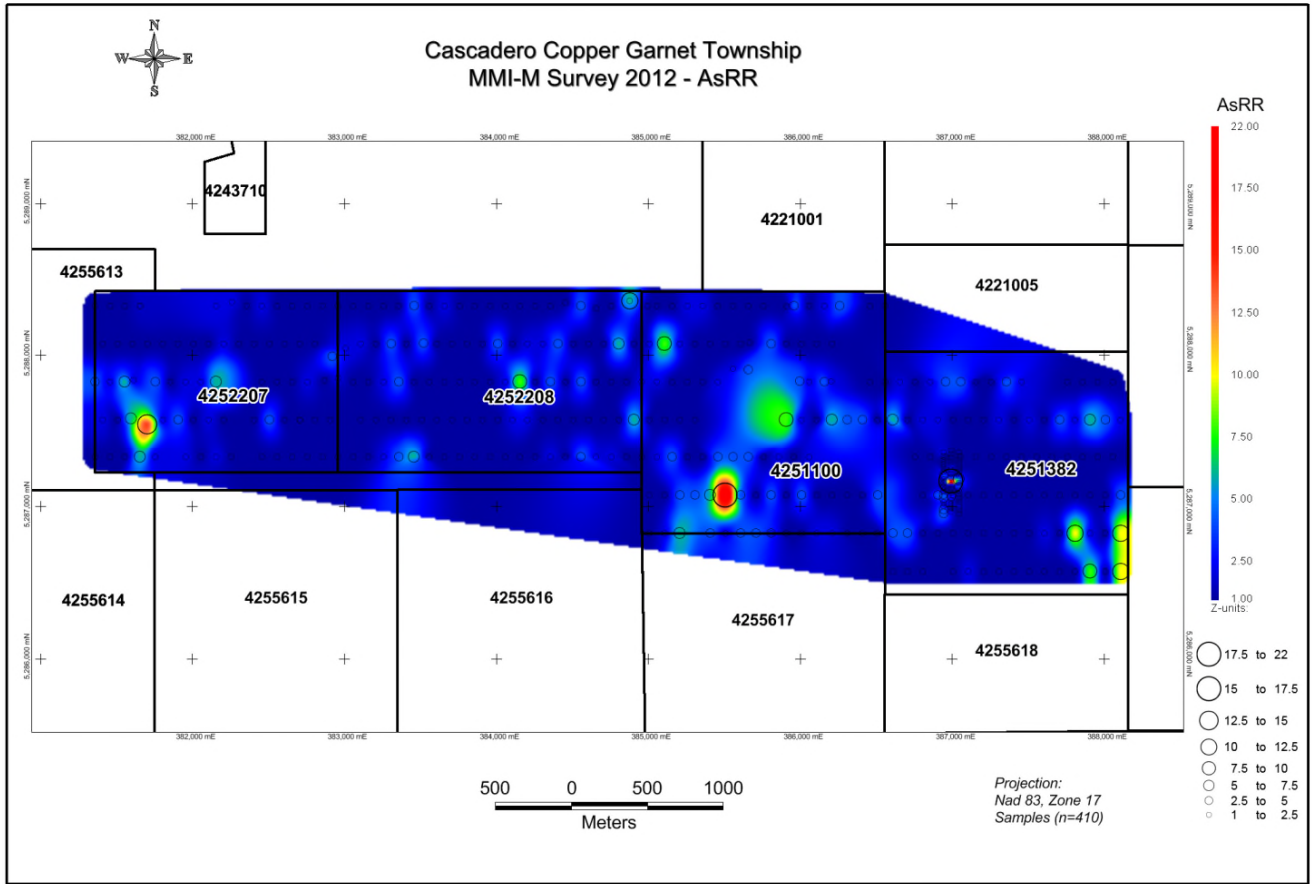




**Figure 5. Bubble plot depicting Cu MMI responses at the Garnet Township survey site.**

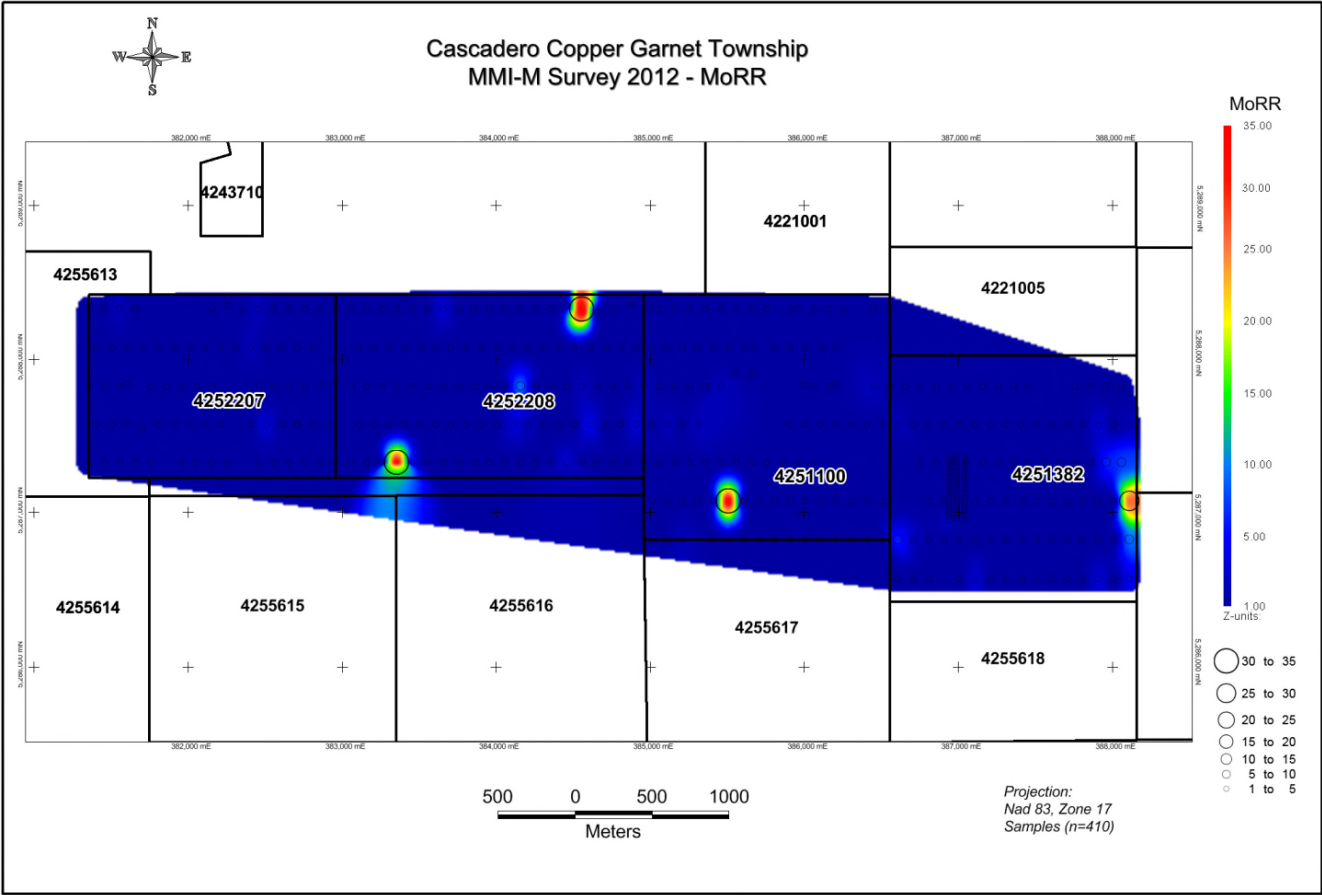


**Figure 6. Bubble plot depicting Ag MMI responses at the Garnet Township survey site.**

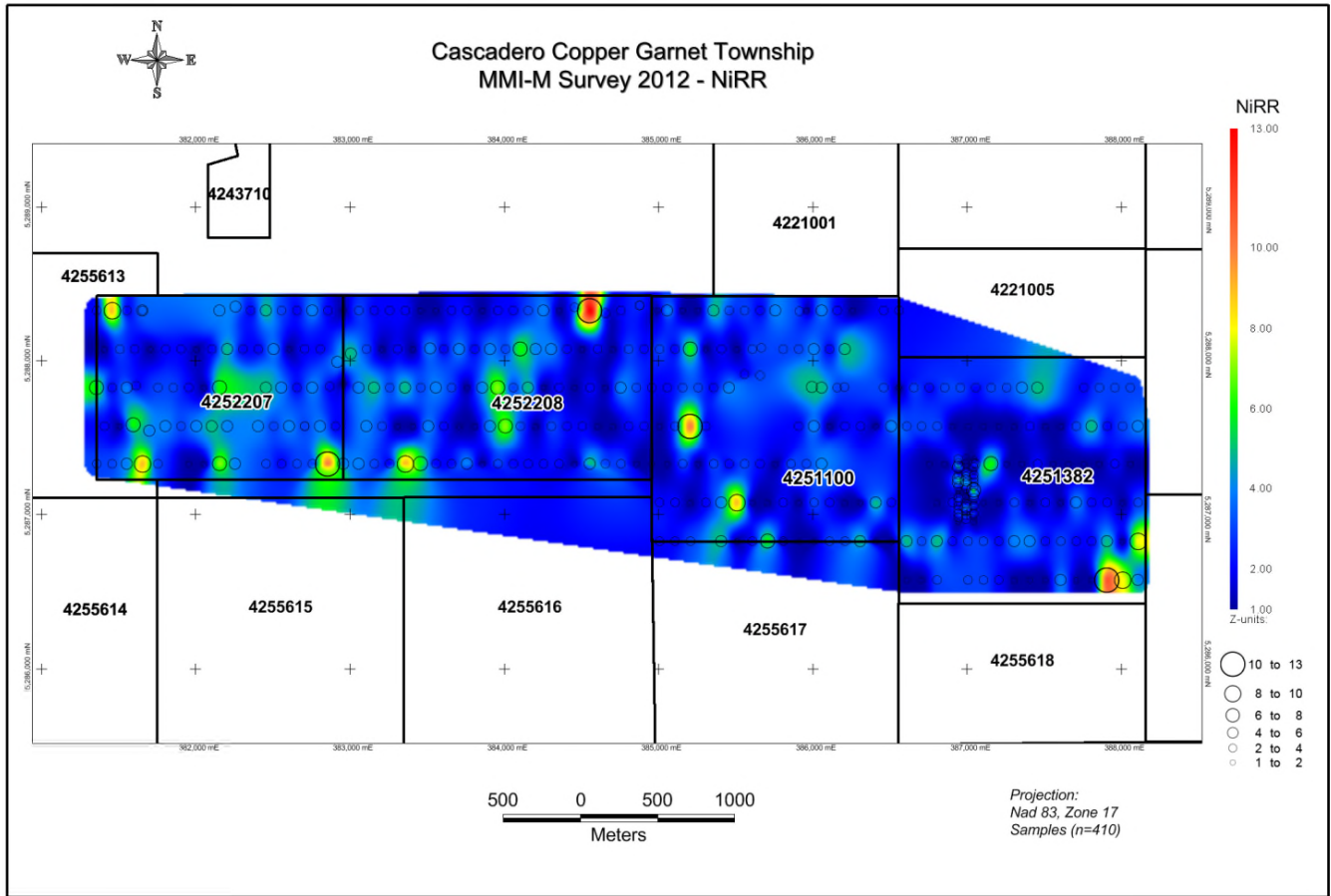


**Figure 7. Bubble plot depicting As MMI responses at the Garnet Township survey site.**

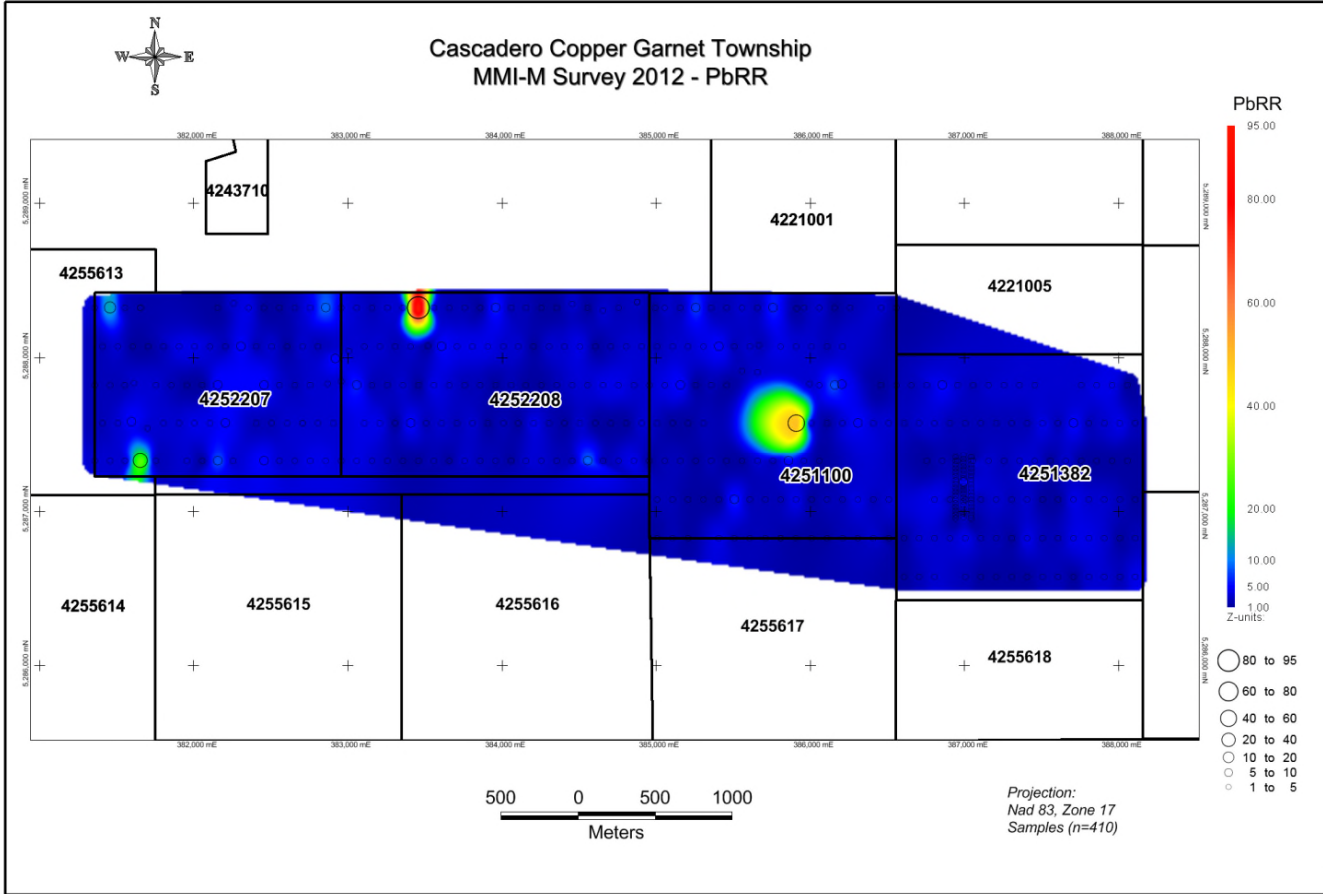




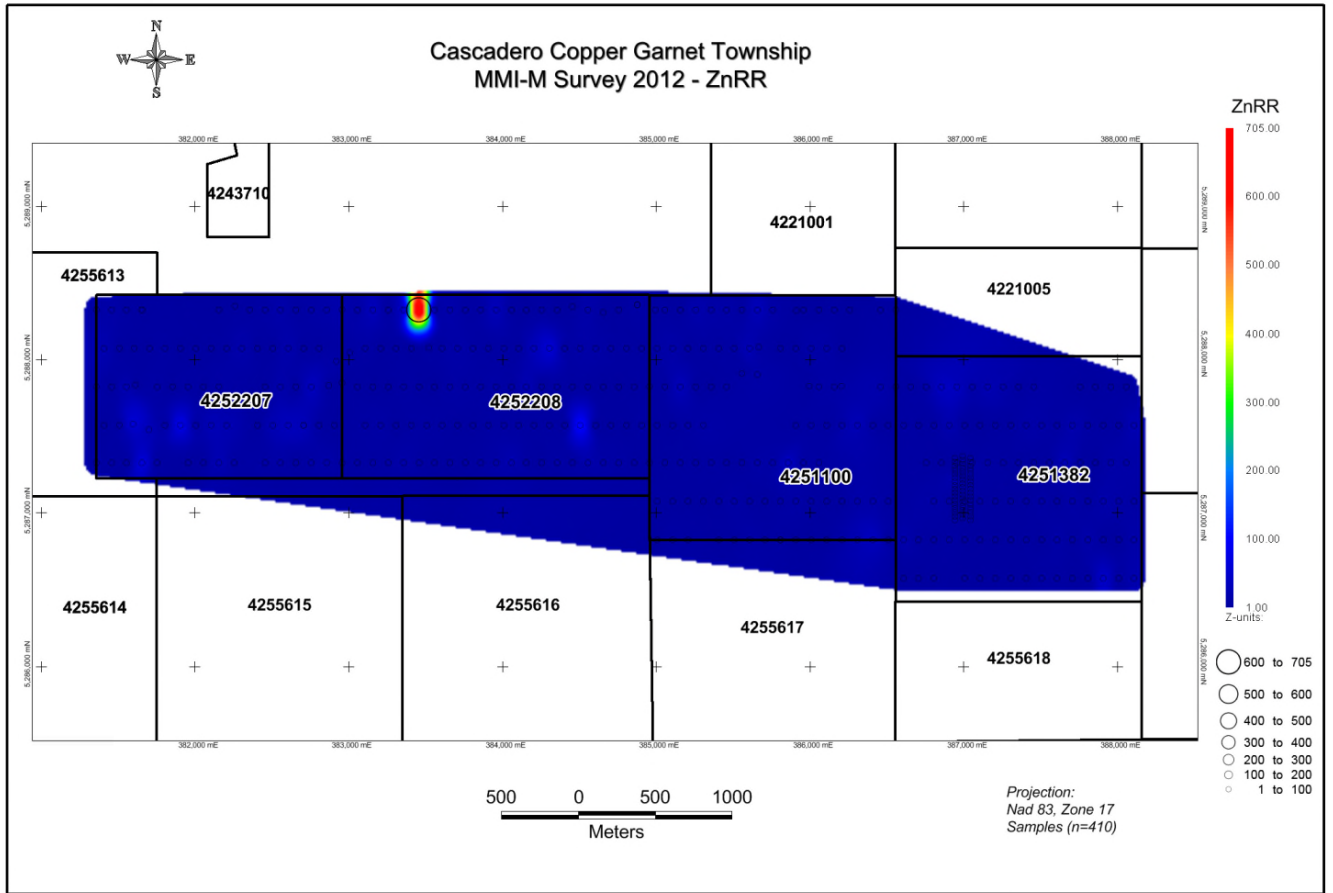
**Figure 8. Bubble plot depicting Mo MMI responses at the Garnet Township survey site.**



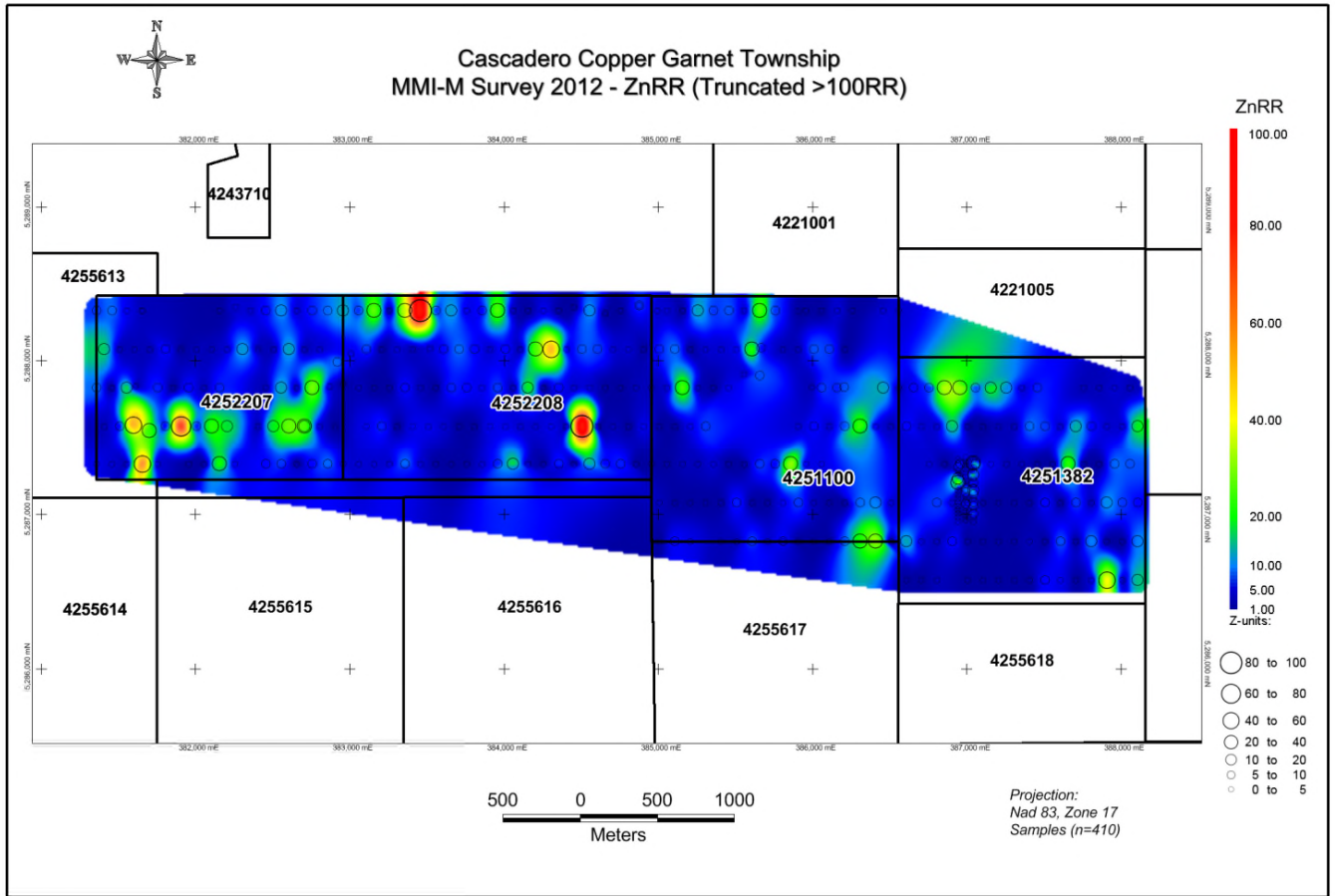
**Figure 9. Bubble plot depicting Ni MMI responses at the Garnet Township survey site.**



**Figure 10. Bubble plot depicting Pb MMI responses at the Garnet Township survey site.**



**Figure 11. Bubble plot depicting Zn MMI responses at the Garnet Township survey site.**



**Figure 12. Bubble plot depicting Truncated Zn MMI responses at the Garnet Township survey site.**

## CONCLUSIONS

The results of Mobile Metal Ion surveys in the Garnet Township area (claims 4252207, 4252208, 4251100 and 4251382) are generally disappointing. Base and precious metal responses are low and the only area of coincident responses occurs on a more detailed grid on claim 4251382. In this area low-contrast and coincident responses are present for Au and Cu. However, this is an areally restricted zone of very weak response. The remainder of the elements analysed in the garnet soil samples have a common characteristic of widely scattered low-contrast responses that are non-diagnostic of mineralized zones or lithologies with unique bulk chemical compositions.

One exception might be the very high-contrast, albeit single sample, response for Zn (RR=705; claim 4252208). The area of the anomaly should be prospected to check for any signs of alteration/mineralization or any geological clues that might help to explain the anomaly. In the absence of such clues MMI samples could be collected in the general vicinity of this anomaly to verify whether additional high-contrast responses are present.

## AUTHOR CERTIFICATE

I, Ruth K. Bezys, P.Geol., C.P.G. do hereby certify that:

- 1) I am a consulting geologist and President of Wildwood Geological Services Inc. having an address at 627 Manchester Blvd N., Winnipeg, Manitoba, Canada and author of the report "RESULTS OF MOBILE METAL IONS SOIL GEOCHEMICAL SURVEYS, GARNET TOWNSHIP, PORCUPINE MINING DIVISION, ONTARIO" dated February 21st, 2013 (the "Technical Report"). I am responsible for the entire report.
- 2) I am a member in good standing of the Association of Professional Geologists and Engineers of Manitoba, being registered as a Professional Geologist (No. 20122) since August 2000, the Association of Professional Engineers and Geoscientists of Saskatchewan, being registered as a Professional Geologist (No. 15994) since September 2008 and licensed as a Certified Professional Geologist with the American Institute of Professional Geologists since September 2012 (No. 11545).
- 3) I have practiced my profession as a geologist since 1987.
- 4) I am a geological consultant and have been practicing in this capacity since April 2008.
- 5) I am a graduate of the Faculty of Science at the University of Manitoba at Winnipeg, Manitoba, and earned a Bachelor of Science with Honours degree in Geology in May 1984. I earned a Master of Science degree from McMaster University at Hamilton, Ontario in November 1987.
- 6) I am a member of the Canadian Society of Petroleum Geology (CSPG).
- 7) As a consulting geologist, I have been involved since 2008, with the evaluation of various mineral types in Manitoba, Saskatchewan, Ontario, Montana and Arizona. Previous to 2008, I worked as a stratigrapher with the Manitoba Geological Survey.
- 8) As a result of my experience and qualifications, I am a *Qualified Person* as defined in National Instrument 43-101.
- 9) I have no involvement with Cascadero Copper Corporation beyond my involvement with the preparation and writing of the Technical Report.
- 10) I am independent of the issuer according to the definition of independence presented in Section 1.5 of National Instrument 43-101.
- 11) As of the date of this certificate, to the best of my knowledge, information and belief, the Technical Report contains all the scientific and technical information that is required to be disclosed to make the technical report not misleading.
- 12) I have read National Instrument 43-101 and Form 43-101 F1. This report has been prepared in compliance with these documents to the best of my understanding.

13) I consent to the filing of the Technical Report with any stock exchange and other regulatory authority and any publication by them for regulatory purposes, including electronic publication in the public company files on their web sites accessible by the public, of the Technical Report.

Dated this 21<sup>st</sup> day of February 2013:

  
Ruth K. Bezys, P.Ge., C.P.G.  Dated at Winnipeg, Manitoba



**Appendix 1: Certificates of Analysis Mobile Metal Ions Soil Geochemical Survey, Garnet Township and MMI Analytical Data with UTM Coordinates.**

ANALYTE METHOD DETECTION UNITS	Ag MMI-M5 1 ppb	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Cu MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Ni MMI-M5 5 ppb	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Zn MMI-M5 20 ppb	
GT-12-1000	<1	<10	<0.1	210	<5	52	250	<1	150	
GT-12-1001	<1	20	<0.1	60	<5	115	100	<1	70	
GT-12-1002		7 <10	0.5	130	<5	32	90	<1	20	
GT-12-1003		6 <10	<0.1	110	<5	36	140	<1	20	
GT-12-1004		13 <10	<0.1	120	<5	74	180	<1	30	
GT-12-1005		9 <10	<0.1	90	<5	159	100	<1	<20	
GT-12-1006		14 <10	<0.1	140	<5	64	170	<1	<20	
GT-12-1007		2 <10	<0.1	490	<5	77	40	<1	110	
GT-12-1008		3 <10	0.2	20	<5	28	60	<1	<20	
GT-12-1009		4 <10	<0.1	120	<5	194	250	<1	140	
GT-12-1010		5 <10	<0.1	130	<5	84	150	<1	50	
GT-12-1011		3 <10	0.5	840	<5	107	160	<1	240	
GT-12-1012		1 <10	<0.1	60	<5	32	90	<1	150	
GT-12-1013	<1	20	<0.1	510	66	157	20	<1	100	
GT-12-1014		1 <10	<0.1	770	18	73	30	<1	160	
GT-12-1015		1 <10	0.1	600	15	90 <10	<1		200	
GT-12-1016	<1	<10	<0.1	150	<5	30	40	<1	<20	
GT-12-1017		1 <10	<0.1	100	<5	28	40	<1	<20	
GT-12-1018		3 <10	0.1	260	<5	41	160	<1	490	
GT-12-1019		5 <10	0.1	130	<5	75	80	<1	<20	
GT-12-1020		7 <10	<0.1	80	<5	122	170	<1	30	
GT-12-1021		9 <10	<0.1	80	<5	63	160	<1	50	
GT-12-1022		9 <10	<0.1	60	<5	57	100	<1	40	
GT-12-1023		10 <10	<0.1	150	<5	321	170	<1	90	
GT-12-1024		5 <10	<0.1	70	<5	110	240	<1	100	
GT-12-1025		4 <10	<0.1	100	<5	73	110	<1	180	
GT-12-1026		21 <10	<0.1	220	<5	68	110	<1	30	
GT-12-1027		1 <10	<0.1	290	<5	15 <10	<1		60	
GT-12-1028		26 <10	<0.1	50	<5	99	170	<1	<20	
GT-12-1029		5 <10	<0.1	80	<5	124	160	<1	50	
GT-12-1030		3 <10	<0.1	90	<5	78	30	<1	360	
GT-12-1031		21 <10	0.2	490	<5	131	110	<1	130	
GT-12-1032		7 <10	<0.1	50	<5	67	130	<1	60	
GT-12-1033		8 <10	<0.1	110	<5	221	150	<1	<20	
GT-12-1034		11 <10	<0.1	110	<5	105	70	<1	30	
GT-12-1035		13 <10	0.1	120	<5	120	140	<1	30	
GT-12-1036		3	30 <0.1	6690	10	291	40	<1	60	
GT-12-1037		3	20	0.1	2900	78	471	30	<1	180
GT-12-1038		5	10	0.1	330	<5	100	100	<1	70
GT-12-1039		12 <10	<0.1	90	<5	157	180	<1	70	
GT-12-1040		11 <10	<0.1	300	<5	210	250	<1	60	
GT-12-1041		13 <10	<0.1	130	<5	194	150	<1	70	
GT-12-1042		3 <10	<0.1	2310	<5	511	250	<1	180	
GT-12-1043		9 <10	<0.1	190	<5	132	240	<1	110	
GT-12-1044		6 <10	<0.1	180	<5	144	200	<1	30	
GT-12-1045		17 <10	<0.1	120	<5	92	150	<1	140	
GT-12-1046		14 <10	<0.1	120	<5	130	290	<1	100	
GT-12-1047		5 <10	0.3	1410	<5	188	110	<1	50	

ANALYTE	Ag	As	Au	Cu	Mo	Ni	Pb	Pd	Zn
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	10	0.1	10	5	5	10	1	20
UNITS	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
GT-12-1048	6	20	<0.1	160	7	159	110	<1	410
GT-12-1049	13	<10	<0.1	160	<5	215	150	<1	590
GT-12-1050	9	<10	<0.1	410	<5	133	90	<1	730
GT-12-1051	14	<10	<0.1	310	<5	137	230	<1	330
GT-12-1052	13	<10	<0.1	120	<5	197	200	<1	70
GT-12-1053	13	<10	<0.1	440	<5	97	150	<1	<20
GT-12-1054	7	<10	<0.1	90	<5	185	240	<1	80
GT-12-1055	14	<10	<0.1	210	<5	152	250	<1	120
GT-12-1056	2	<10	<0.1	100	<5	59	20	<1	30
GT-12-1057	8	<10	<0.1	140	<5	66	290	<1	80
GT-12-1058	8	<10	<0.1	150	<5	205	130	<1	80
GT-12-1059	20	<10	<0.1	120	<5	120	170	<1	60
GT-12-1060	10	<10	<0.1	160	<5	60	100	<1	30
GT-12-1061	10	<10	0.1	100	<5	50	190	<1	<20
GT-12-1062	13	<10	<0.1	220	<5	176	80	<1	80
GT-12-1063	3	<10	<0.1	160	<5	337	130	<1	80
GT-12-1064	13	<10	<0.1	140	<5	268	190	<1	40
GT-12-1065	3	<10	0.2	160	<5	82	160	<1	100
GT-12-1066	10	<10	<0.1	90	<5	158	220	<1	<20
GT-12-1067	3	<10	<0.1	140	<5	128	110	<1	30
GT-12-1068	4	<10	<0.1	100	<5	81	140	<1	30
GT-12-1069	20	<10	<0.1	220	<5	187	40	<1	<20
REP-GT-12-1002	8	<10	<0.1	240	<5	27	90	<1	40
REP-GT-12-1021	10	<10	<0.1	70	<5	63	170	<1	60
REP-GT-12-1032	8	<10	<0.1	60	<5	68	130	<1	30
REP-GT-12-1051	11	<10	<0.1	340	<5	124	230	<1	290
REP-GT-12-1062	13	<10	<0.1	290	<5	197	90	<1	120
REP-GT-12-1068	3	<10	<0.1	100	<5	68	120	<1	<20
AMIS0169	8	10	0.4	3910	<5	372	100	<1	180
MMISRM18	24	10	7.1	650	29	431	190	11	600
BLANK	<1	<10	<0.1	<10	<5	<5	<10	<1	<20
BLANK	<1	<10	<0.1	<10	<5	<5	<10	<1	<20

ANALYTE	Ag	As	Au	Cu	Mo	Ni	Pb	Pd	Zn
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	10	0.1	10	5	5	10	1	20
UNITS	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
GT-12-1000	<1	<10	<0.1	210	<5	52	250	<1	150
GT-12-1001	<1	20	<0.1	60	<5	115	100	<1	70
GT-12-1002	7	<10	0.5	130	<5	32	90	<1	20
GT-12-1003	6	<10	<0.1	110	<5	36	140	<1	20
GT-12-1004	13	<10	<0.1	120	<5	74	180	<1	30
GT-12-1005	9	<10	<0.1	90	<5	159	100	<1	<20
GT-12-1006	14	<10	<0.1	140	<5	64	170	<1	<20
GT-12-1007	2	<10	<0.1	490	<5	77	40	<1	110
GT-12-1008	3	<10	0.2	20	<5	28	60	<1	<20
GT-12-1009	4	<10	<0.1	120	<5	194	250	<1	140
GT-12-1010	5	<10	<0.1	130	<5	84	150	<1	50
GT-12-1011	3	<10	0.5	840	<5	107	160	<1	240
GT-12-1012	1	<10	<0.1	60	<5	32	90	<1	150
GT-12-1013	<1	20	<0.1	510	66	157	20	<1	100
GT-12-1014	1	<10	<0.1	770	18	73	30	<1	160
GT-12-1015	1	<10	0.1	600	15	90	<10	<1	200
GT-12-1016	<1	<10	<0.1	150	<5	30	40	<1	<20
GT-12-1017	1	<10	<0.1	100	<5	28	40	<1	<20
GT-12-1018	3	<10	0.1	260	<5	41	160	<1	490
GT-12-1019	5	<10	0.1	130	<5	75	80	<1	<20
GT-12-1020	7	<10	<0.1	80	<5	122	170	<1	30
GT-12-1021	9	<10	<0.1	80	<5	63	160	<1	50
GT-12-1022	9	<10	<0.1	60	<5	57	100	<1	40
GT-12-1023	10	<10	<0.1	150	<5	321	170	<1	90
GT-12-1024	5	<10	<0.1	70	<5	110	240	<1	100
GT-12-1025	4	<10	<0.1	100	<5	73	110	<1	180
GT-12-1026	21	<10	<0.1	220	<5	68	110	<1	30
GT-12-1027	1	<10	<0.1	290	<5	15	<10	<1	60
GT-12-1028	26	<10	<0.1	50	<5	99	170	<1	<20
GT-12-1029	5	<10	<0.1	80	<5	124	160	<1	50
GT-12-1030	3	<10	<0.1	90	<5	78	30	<1	360
GT-12-1031	21	<10	0.2	490	<5	131	110	<1	130
GT-12-1032	7	<10	<0.1	50	<5	67	130	<1	60
GT-12-1033	8	<10	<0.1	110	<5	221	150	<1	<20
GT-12-1034	11	<10	<0.1	110	<5	105	70	<1	30
GT-12-1035	13	<10	0.1	120	<5	120	140	<1	30
GT-12-1036	3	30	<0.1	6690	10	291	40	<1	60
GT-12-1037	3	20	0.1	2900	78	471	30	<1	180
GT-12-1038	5	10	0.1	330	<5	100	100	<1	70
GT-12-1039	12	<10	<0.1	90	<5	157	180	<1	70
GT-12-1040	11	<10	<0.1	300	<5	210	250	<1	60
GT-12-1041	13	<10	<0.1	130	<5	194	150	<1	70
GT-12-1042	3	<10	<0.1	2310	<5	511	250	<1	180
GT-12-1043	9	<10	<0.1	190	<5	132	240	<1	110
GT-12-1044	6	<10	<0.1	180	<5	144	200	<1	30
GT-12-1045	17	<10	<0.1	120	<5	92	150	<1	140
GT-12-1046	14	<10	<0.1	120	<5	130	290	<1	100
GT-12-1047	5	<10	0.3	1410	<5	188	110	<1	50

ANALYTE	Ag	As	Au	Cu	Mo	Ni	Pb	Pd	Zn
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	10	0.1	10	5	5	10	1	20
UNITS	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
GT-12-1048	6	20	<0.1	160	7	159	110	<1	410
GT-12-1049	13	<10	<0.1	160	<5	215	150	<1	590
GT-12-1050	9	<10	<0.1	410	<5	133	90	<1	730
GT-12-1051	14	<10	<0.1	310	<5	137	230	<1	330
GT-12-1052	13	<10	<0.1	120	<5	197	200	<1	70
GT-12-1053	13	<10	<0.1	440	<5	97	150	<1	<20
GT-12-1054	7	<10	<0.1	90	<5	185	240	<1	80
GT-12-1055	14	<10	<0.1	210	<5	152	250	<1	120
GT-12-1056	2	<10	<0.1	100	<5	59	20	<1	30
GT-12-1057	8	<10	<0.1	140	<5	66	290	<1	80
GT-12-1058	8	<10	<0.1	150	<5	205	130	<1	80
GT-12-1059	20	<10	<0.1	120	<5	120	170	<1	60
GT-12-1060	10	<10	<0.1	160	<5	60	100	<1	30
GT-12-1061	10	<10	0.1	100	<5	50	190	<1	<20
GT-12-1062	13	<10	<0.1	220	<5	176	80	<1	80
GT-12-1063	3	<10	<0.1	160	<5	337	130	<1	80
GT-12-1064	13	<10	<0.1	140	<5	268	190	<1	40
GT-12-1065	3	<10	0.2	160	<5	82	160	<1	100
GT-12-1066	10	<10	<0.1	90	<5	158	220	<1	<20
GT-12-1067	3	<10	<0.1	140	<5	128	110	<1	30
GT-12-1068	4	<10	<0.1	100	<5	81	140	<1	30
GT-12-1069	20	<10	<0.1	220	<5	187	40	<1	<20
REP-GT-12-1002	8	<10	<0.1	240	<5	27	90	<1	40
REP-GT-12-1021	10	<10	<0.1	70	<5	63	170	<1	60
REP-GT-12-1032	8	<10	<0.1	60	<5	68	130	<1	30
REP-GT-12-1051	11	<10	<0.1	340	<5	124	230	<1	290
REP-GT-12-1062	13	<10	<0.1	290	<5	197	90	<1	120
REP-GT-12-1068	3	<10	<0.1	100	<5	68	120	<1	<20
AMIS0169	8	10	0.4	3910	<5	372	100	<1	180
MMISRM18	24	10	7.1	650	29	431	190	11	600
BLANK	<1	<10	<0.1	<10	<5	<5	<10	<1	<20
BLANK	<1	<10	<0.1	<10	<5	<5	<10	<1	<20

ANALYTE	Ag	As	Au	Cu	Mo	Ni	Pb	Pd	Zn
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	10	0.1	10	5	5	10	1	20
UNITS	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
GT-12-1070		13 <10	<0.1		140 <5		196	220 <1	40
GT-12-1071		6 <10	<0.1		60 <5		116	130 <1	<20
GT-12-1072		7	10 <0.1		290 <5		151	110 <1	170
GT-12-1073		8 <10	<0.1		90 <5		82	230 <1	20
GT-12-1074	<1		50 <0.1		300 <5		93	240 <1	210
GT-12-1075		9	10	0.2	80 <5		267	190 <1	20
GT-12-1076		3 <10	<0.1		90 <5		36	70 <1	30
GT-12-1077		1	50 <0.1		1360	23	425	90 <1	210
GT-12-1078		1	50 <0.1		5470	9	191	250 <1	310
GT-12-1079		2 <10	<0.1		370 <5		392	130 <1	40
GT-12-1080		2	40 <0.1		830	8	551	190 <1	840
GT-12-1081		14 <10	<0.1		160 <5		75	160 <1	60
GT-12-1082		6 <10	<0.1		160 <5		19	80 <1	30
GT-12-1083		5 <10	<0.1		180 <5		178	110 <1	90
GT-12-1084		3 <10	<0.1		120 <5		72	110 <1	110
GT-12-1085		2 <10	<0.1		60 <5		18	40 <1	<20
GT-12-1086		5 <10	<0.1		100 <5		18	50 <1	20
GT-12-1087		4 <10	<0.1		100 <5		76	50 <1	20
GT-12-1088		4	10 <0.1		60	7	139	20 <1	<20
GT-12-1089		7 <10	<0.1		100 <5		165	90 <1	<20
GT-12-1090		15 <10	<0.1		120 <5		131	180 <1	40
GT-12-1091		3 <10	<0.1		40 <5		49	110 <1	<20
GT-12-1092		1 <10		0.1	370 <5		33	60 <1	20
GT-12-1093		15 <10	<0.1		240 <5		107	80 <1	<20
GT-12-1094		5	10 <0.1		120 <5		79	90 <1	110
GT-12-1095		3	30 <0.1		620	6	138	50 <1	90
GT-12-1096		4	20 <0.1		70 <5		232	210 <1	40
GT-12-1097		4	10 <0.1		120 <5		49	100 <1	40
GT-12-1098	<1		20 <0.1		170 <5		120	120 <1	140
GT-12-1099		13	20 <0.1		180 <5		290	90 <1	60
GT-12-1100		4	20	0.1	100 <5		92	130 <1	180
GT-12-1101		3	10 <0.1		60 <5		46	60 <1	<20
GT-12-1102		2 <10	<0.1		60 <5		15	40 <1	<20
GT-12-1103		3 <10		0.6	70 <5		40 <10	<1	<20
GT-12-1104		2	10	0.7	110 <5		138	70 <1	<20
GT-12-1105		10	10 <0.1		160 <5		141	130 <1	170
GT-12-1106	<1	<10	<0.1		170 <5		246	110 <1	470
GT-12-1107		2 <10	<0.1		150 <5		65	190 <1	670
GT-12-1108		4 <10		0.2	120 <5		39	60 <1	20
GT-12-1109	<1		20 <0.1		1010	14	271	70 <1	280
GT-12-1110		2	20 <0.1		160	6	147	160 <1	60
GT-12-1111		2	20	0.1	1780 <5		109	180 <1	70
GT-12-1112		6 <10	<0.1		400 <5		244	140 <1	220
GT-12-1113		5 <10	<0.1		200 <5		65	210 <1	180
GT-12-1114		3 <10		0.2 <10	<5		53	100 <1	<20
GT-12-1115		14 <10	<0.1		80 <5		94	90 <1	<20
GT-12-1116		3	20	0.3	530 <5		141	70 <1	40
GT-12-1117		3 <10	<0.1		300 <5		56	240 <1	150

ANALYTE	Ag	As	Au	Cu	Mo	Ni	Pb	Pd	Zn
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	10	0.1	10	5	5	10	1	20
UNITS	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
GT-12-1118	2	20	0.1	50	<5	124	110	<1	80
GT-12-1119	8	<10	<0.1	80	<5	43	110	<1	<20
GT-12-1120	5	20	0.2	80	<5	72	90	<1	20
GT-12-1121	4	100	0.3	3920	80	457	350	<1	130
GT-12-1122	6	30	<0.1	150	5	192	80	<1	30
GT-12-1123	4	20	<0.1	110	<5	83	70	<1	30
GT-12-1124	5	20	0.1	510	<5	35	50	<1	20
GT-12-1125	3	<10	<0.1	70	<5	95	90	<1	<20
GT-12-1126	8	<10	<0.1	90	<5	113	120	<1	50
GT-12-1127	9	10	<0.1	100	<5	92	120	<1	120
GT-12-1128	11	<10	<0.1	40	7	19	120	<1	<20
GT-12-1129	4	20	<0.1	200	<5	238	530	<1	290
GT-12-1130	18	10	<0.1	230	<5	144	140	<1	100
GT-12-1131	5	10	<0.1	110	<5	171	190	<1	130
GT-12-1132	6	<10	<0.1	90	<5	25	210	<1	30
GT-12-1133	4	<10	0.1	110	<5	66	60	<1	<20
GT-12-1134	<1	10	<0.1	30	<5	43	100	<1	<20
GT-12-1135	11	20	<0.1	110	<5	139	90	<1	50
GT-12-1136	1	<10	0.1	150	<5	22	40	<1	40
GT-12-1137	9	<10	<0.1	260	<5	135	120	<1	60
GT-12-1138	4	20	<0.1	100	<5	106	60	<1	30
GT-12-1139	4	20	<0.1	660	<5	155	20	<1	<20
REP-GT-12-1070	12	<10	0.1	140	<5	193	210	<1	40
REP-GT-12-1088	3	10	<0.1	60	6	133	20	<1	<20
REP-GT-12-1106	<1	<10	<0.1	160	<5	247	110	<1	440
REP-GT-12-1111	2	10	0.2	2190	<5	150	170	<1	70
REP-GT-12-1131	6	10	<0.1	130	<5	184	230	<1	200
REP-GT-12-1136	1	10	<0.1	150	<5	26	40	<1	40
AMIS0169	8	<10	0.4	3550	<5	406	100	<1	190
MMISRM18	23	10	8.1	760	28	511	280	11	630
BLANK	<1	<10	<0.1	<10	<5	<5	<10	<1	<20
BLANK	<1	<10	<0.1	<10	<5	<5	<10	<1	<20

ANALYTE	Ag	As	Au	Cu	Mo	Ni	Pb	Pd	Zn
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	10	0.1	10	5	5	10	1	20
UNITS	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
GT-12-1140	<1	20	0.2	240	<5	111	160	<1	140
GT-12-1141	2	<10	0.1	900	<5	67	100	<1	110
GT-12-1142	4	10	<0.1	410	<5	156	290	<1	650
GT-12-1143	5	<10	0.1	200	<5	128	190	<1	90
GT-12-1144	5	10	<0.1	60	<5	199	40	<1	80
GT-12-2000	7	<10	<0.1	110	<5	69	80	<1	40
GT-12-2001	11	<10	<0.1	140	<5	165	220	<1	520
GT-12-2002	6	<10	<0.1	70	<5	110	90	<1	60
GT-12-2003	3	<10	<0.1	120	<5	55	100	<1	40
GT-12-2004	7	<10	<0.1	120	<5	81	110	<1	360
GT-12-2005	13	<10	<0.1	130	<5	87	100	<1	60
GT-12-2006	4	<10	0.1	220	<5	154	210	<1	130
GT-12-2007	1	30	0.2	250	<5	133	200	<1	50
GT-12-2008	2	10	<0.1	250	<5	280	240	<1	250
GT-12-2009	4	20	0.3	2200	<5	199	170	<1	190
GT-12-2010	13	<10	<0.1	170	<5	130	170	<1	40
GT-12-2011	7	<10	<0.1	90	<5	69	120	<1	100
GT-12-2012	10	<10	<0.1	180	<5	155	160	<1	170
GT-12-2013	11	<10	<0.1	180	<5	58	110	<1	40
GT-12-2014	6	10	<0.1	140	<5	131	100	<1	160
GT-12-2015	5	<10	<0.1	320	<5	47	90	<1	70
GT-12-2016	7	<10	<0.1	140	<5	60	70	<1	40
GT-12-2017	4	10	<0.1	60	<5	99	190	<1	<20
GT-12-2018	2	<10	<0.1	60	<5	134	80	<1	30
GT-12-2019	2	10	<0.1	60	<5	88	130	<1	40
GT-12-2020	3	10	<0.1	60	<5	208	210	<1	70
GT-12-2021	5	20	<0.1	130	<5	130	120	<1	170
GT-12-2022	8	<10	<0.1	70	<5	75	110	<1	40
GT-12-2023	13	<10	<0.1	130	<5	51	90	<1	40
GT-12-2024	2	<10	0.1	220	<5	22	30	<1	160
GT-12-2025	6	110	2.4	720	<5	118	70	<1	180
GT-12-2026	4	<10	<0.1	290	<5	207	320	<1	60
GT-12-2027	5	10	<0.1	190	<5	176	200	<1	50
GT-12-2028	7	10	<0.1	120	<5	168	120	<1	80
GT-12-2029	11	10	<0.1	190	<5	167	130	<1	70
GT-12-2030	5	<10	0.2	370	<5	25	40	<1	70
GT-12-2031	2	<10	0.3	260	<5	14	100	<1	20
GT-12-2032	4	<10	0.4	180	<5	29	40	<1	30
GT-12-2033	9	<10	0.1	120	<5	63	100	<1	80
GT-12-2034	7	10	<0.1	140	<5	132	80	<1	60
GT-12-2035	12	<10	<0.1	140	<5	102	110	<1	40
GT-12-2036	8	<10	<0.1	150	<5	235	130	<1	120
GT-12-2037	3	<10	<0.1	90	<5	45	80	<1	20
GT-12-2038	16	<10	<0.1	200	<5	93	120	<1	50
GT-12-2039	6	<10	<0.1	110	<5	234	130	<1	310
GT-12-2040	3	20	<0.1	390	<5	209	150	<1	610
GT-12-2041	7	<10	<0.1	160	<5	114	90	<1	80
GT-12-2042	15	<10	<0.1	270	<5	66	110	<1	50



ANALYTE	Ag	As	Au	Cu	Mo	Ni	Pb	Pd	Zn	
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	
DETECTION	1	10	0.1	10	5	5	10	1	20	
UNITS	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
GT-12-2043		7 <10	0.2	120 <5		62	80 <1		40	
GT-12-2044		8 <10	<0.1	130 <5		160	150 <1		50	
GT-12-2045	<1	20	0.1	40 <5		118	150 <1		70	
GT-12-2046		2	20 <0.1	70 <5		106	130 <1		40	
GT-12-2047		2	10 <0.1	60 <5		88	50 <1		30	
GT-12-2048		1	10 <0.1	50 <5		138	30 <1		30	
GT-12-2049		2	20	0.1	60 <5		93	80 <1	70	
GT-12-2050		1	20 <0.1	50	6	69	50 <1		60	
GT-12-2051		10	20	0.1	410 <5		294	100 <1	190	
GT-12-2052		3	10 <0.1	170 <5		113	90 <1	<20		
GT-12-2053		14	30	0.3	180 <5		211	120 <1	360	
GT-12-2054		24	10	0.1	120 <5		123	150 <1	50	
GT-12-2055		12	20	0.1	380 <5		150	190 <1	120	
GT-12-2056		3 <10	<0.1	140 <5		167	130 <1		30	
GT-12-2057	<1		10 <0.1	1450 <5		94	50 <1		100	
GT-12-2058		7	10	0.2	380 <5		65	70 <1	40	
GT-12-2059		7	30 <0.1	240 <5		312	300 <1		130	
GT-12-2060		18	10 <0.1	180 <5		227	140 <1		70	
GT-12-2061		18 <10	<0.1	50 <5		79	190 <1		40	
GT-12-2062		9 <10		0.6	620 <5		56	240 <1	40	
GT-12-2063		17 <10		0.1	180 <5		102	210 <1	30	
GT-12-2064		21 <10	<0.1		190 <5		120	120 <1	100	
REP-GT-12-2004		7 <10	<0.1		100 <5		74	100 <1	340	
REP-GT-12-2008		2	10 <0.1		250 <5		327	270 <1	260	
REP-GT-12-2024		2 <10		0.1	210 <5		20	30 <1	90	
REP-GT-12-2045	<1		20 <0.1		40 <5		116	150 <1	60	
REP-GT-12-2057	<1	<10		0.1	1580 <5		95	50 <1	90	
REP-GT-12-2062		8 <10		0.1	640 <5		52	240 <1	40	
AMIS0169		8	10	0.4	3640 <5		407	100 <1	200	
MMISRM18		20 <10		6.4	560	26	348	190	8	410
BLANK	<1	<10	<0.1	<10	<5	<5	<10	<1	<20	
BLANK	<1	<10	<0.1	<10	<5	<5	<10	<1	<20	

ANALYTE	Ag	As	Au	Cu	Mo	Ni	Pb	Pd	Zn
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	10	0.1	10	5	5	10	1	20
UNITS	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
GT-12-2065	18	<10	0.2	150	<5	40	70	<1	50
GT-12-2066	10	<10	<0.1	60	<5	117	70	<1	40
GT-12-2067	17	<10	<0.1	110	<5	137	160	<1	50
GT-12-2068	18	<10	<0.1	150	<5	71	120	<1	340
GT-12-2069	2	<10	<0.1	250	<5	88	80	<1	60
GT-12-2070	8	<10	<0.1	90	<5	104	170	<1	60
GT-12-2071	2	20	0.2	90	<5	37	110	<1	20
GT-12-2072	6	10	<0.1	80	<5	91	80	<1	70
GT-12-2073	10	<10	<0.1	130	<5	195	200	<1	30
GT-12-2074	1	20	0.2	80	<5	69	100	<1	30
GT-12-2075	10	<10	0.3	1930	<5	166	70	<1	30
GT-12-2076	<1	10	0.4	980	<5	205	10	<1	<20
GT-12-2077	3	10	0.2	760	<5	223	190	<1	60
GT-12-2078	5	<10	<0.1	170	<5	123	250	<1	70
GT-12-2079	4	10	<0.1	290	5	235	20	<1	100
GT-12-2080	3	<10	<0.1	310	<5	157	50	<1	240
GT-12-2081	7	<10	<0.1	190	<5	109	140	<1	60
GT-12-2082	10	<10	<0.1	180	<5	224	240	<1	120
GT-12-2083	12	<10	<0.1	450	<5	92	520	<1	190
GT-12-2084	12	<10	<0.1	130	<5	50	250	<1	270
GT-12-2085	10	<10	<0.1	240	<5	169	200	<1	140
GT-12-2086	5	<10	<0.1	230	<5	116	130	<1	570
GT-12-2087	3	<10	<0.1	310	<5	103	160	<1	30
GT-12-2088	6	<10	<0.1	130	<5	107	170	<1	750
GT-12-2089	6	20	0.5	4860	<5	55	5520	<1	14900
GT-12-2090	2	<10	<0.1	420	<5	42	150	<1	150
GT-12-2091	7	10	<0.1	170	7	99	120	<1	250
GT-12-2092	7	<10	<0.1	150	<5	119	140	<1	90
GT-12-2093	7	<10	0.5	1070	<5	73	40	<1	100
GT-12-2094	11	<10	<0.1	100	<5	125	350	<1	540
GT-12-2095	16	<10	<0.1	80	<5	122	130	<1	50
GT-12-2096	12	<10	<0.1	280	<5	138	130	<1	30
GT-12-2097	11	<10	<0.1	340	<5	124	160	<1	150
GT-12-2098	14	<10	<0.1	350	<5	457	740	<1	190
GT-12-2099	20	<10	<0.1	180	6	118	140	<1	90
GT-12-2100	16	<10	0.1	170	<5	162	100	<1	50
GT-12-2101	13	10	<0.1	230	<5	213	50	<1	40
GT-12-2102	3	<10	<0.1	220	<5	122	280	<1	250
GT-12-2103	5	<10	0.1	1260	6	97	120	<1	40
GT-12-2104	12	<10	<0.1	200	<5	214	190	<1	40
GT-12-2105	7	<10	<0.1	360	<5	49	60	<1	270
GT-12-2106	20	<10	<0.1	230	<5	76	150	<1	50
GT-12-2107	15	<10	<0.1	210	<5	83	120	<1	60
GT-12-2108	3	10	<0.1	770	7	171	70	<1	60
GT-12-2109	9	10	<0.1	140	6	68	230	<1	60
GT-12-2110	4	<10	<0.1	360	<5	166	140	<1	80
GT-12-2111	7	<10	<0.1	50	<5	80	70	<1	40
GT-12-2112	3	<10	<0.1	50	<5	79	160	<1	2090

ANALYTE	Ag	As	Au	Cu	Mo	Ni	Pb	Pd	Zn
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	10	0.1	10	5	5	10	1	20
UNITS	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
GT-12-2113		5 <10	<0.1	120	10	33	80 <1		30
GT-12-2114		6 <10	<0.1	100 <5		42	40 <1		40
GT-12-2115		12 <10		0.1 360 <5		88	80 <1		30
GT-12-2116		2	30 <0.1	90	7	113	180 <1		90
GT-12-2117		10 <10	<0.1	130 <5		26	130 <1		30
GT-12-2118		12 <10	<0.1	50	6	131	70 <1		30
GT-12-2119		14 <10		0.2 4650 <5		497	60 <1		80
GT-12-2120	<1	<10	<0.1	710	6	113	120 <1		140
GT-12-2121	<1		10 <0.1	620	5	223	20 <1		80
GT-12-2122		22 <10	<0.1	190 <5		90	110 <1		30
GT-12-2123		4 <10	<0.1	430 <5		144	60 <1		40
GT-12-2124		4 <10	<0.1	230 <5		155	280 <1		520
GT-12-2125		2	10 <0.1	370 <5		113	230 <1		70
GT-12-2126		4	10 <0.1	120	5	98	190 <1		40
GT-12-2127		16 <10	<0.1	80 <5		129	160 <1		40
GT-12-2128		24 <10	<0.1	140 <5		200	210 <1		30
GT-12-2129		12 <10	<0.1	70 <5		73	210 <1		30
GT-12-2130		5	20 <0.1	120	6	86	170 <1		60
GT-12-2131		22 <10	<0.1	230 <5		31	200 <1		70
GT-12-2132		2	20 <0.1	140 <5		122	110 <1		100
GT-12-2133		2 <10		0.1 730 <5		38	10 <1		30
GT-12-2134		1	40 <0.1	1190	23	231	40 <1		410
GT-12-2135		6	10 <0.1	120 <5		151	130 <1		40
REP-GT-12-2075		10 <10		0.2 2020 <5		170	90 <1		30
REP-GT-12-2080		5	10 <0.1	290 <5		161	40 <1		170
REP-GT-12-2103		3	10 <0.1	1320	6	103	110 <1		30
REP-GT-12-2115		10 <10	<0.1	340 <5		133	110 <1		60
REP-GT-12-2123		4 <10	<0.1	360 <5		141	120 <1		50
REP-GT-12-2130		5	20 <0.1	110 <5		91	150 <1		60
AMIS0169		7 <10		0.4 3130 <5		318	80 <1		160
MMISRM18		23	20	8.1 590	30	386	180	11	450
BLANK	<1	<10	<0.1	<10	<5	<5	<10	<1	<20
BLANK	<1	<10	<0.1	10 <5		<5	<10	<1	<20

ANALYTE	Ag	As	Au	Cu	Mo	Ni	Pb	Pd	Zn	
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	
DETECTION	1	10	0.1	10	5	5	10	1	20	
UNITS	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
GT-12-3000	25	<10	<0.1	140	<5		49	130	<1	30
GT-12-3001	15	<10		0.1	110	<5	56	120	<1	20
GT-12-3002	15	<10	<0.1		160	<5	71	90	<1	40
GT-12-3003	30	10	0.1		140	<5	69	130	<1	40
GT-12-3004	7	<10	<0.1		140	<5	118	100	<1	200
GT-12-3005	12	10	<0.1		150	<5	64	220	<1	150
GT-12-3006	24	<10	<0.1		130	<5	68	120	<1	60
GT-12-3007	5	20	<0.1		140	<5	162	280	<1	290
GT-12-3008	5	10	<0.1		420	<5	242	120	<1	110
GT-12-3009	5	30	0.1		590	7	83	170	<1	60
GT-12-3010	26	20	<0.1		220	<5	169	240	<1	60
GT-12-3011	5	10	<0.1		1070	6	183	130	<1	400
GT-12-3012	8	<10	<0.1		120	<5	148	70	<1	50
GT-12-3013	13	<10	<0.1		240	<5	140	230	<1	60
GT-12-3014	15	<10	<0.1		70	<5	131	220	<1	40
GT-12-3015	12	<10	<0.1		180	<5	78	150	<1	40
GT-12-3016	11	10	<0.1		250	<5	248	160	<1	130
GT-12-3017	12	20	<0.1		150	<5	222	170	<1	70
GT-12-3018	22	<10	<0.1		150	<5	126	150	<1	230
GT-12-3019	9	<10	<0.1		120	<5	141	150	<1	400
GT-12-3020	8	20	<0.1		140	<5	91	120	<1	160
GT-12-3021	11	20	<0.1		130	<5	168	180	<1	650
GT-12-3022	15	10	<0.1		210	<5	152	290	<1	710
GT-12-3023	26	<10	<0.1		110	<5	105	150	<1	150
GT-12-3024	22	10	<0.1		100	<5	170	140	<1	110
GT-12-3025	32	<10		0.1	200	<5	33	130	<1	50
GT-12-3026	20	<10	<0.1		440	5	127	80	<1	280
GT-12-3027	1	20	<0.1		40	<5	51	180	<1	80
GT-12-3028	3	20	<0.1		230	<5	110	290	<1	510
GT-12-3029	5	30	<0.1		370	<5	110	190	<1	170
GT-12-3030	6	<10	<0.1		320	<5	66	30	<1	70
GT-12-3031	7	10	<0.1		180	<5	214	190	<1	100
GT-12-3032	3	40	0.1		250	<5	102	2890	<1	70
GT-12-3033	19	<10	<0.1		70	<5	202	200	<1	40
GT-12-3034	22	30	0.1		370	5	173	140	<1	110
GT-12-3035	22	<10	<0.1		160	<5	126	190	<1	60
GT-12-3036	10	10	0.7		80	<5	129	150	<1	60
GT-12-3037	5	10	<0.1		80	<5	74	100	<1	340
GT-12-3038	12	<10	<0.1		110	<5	149	190	<1	90
GT-12-3039	11	<10	<0.1		100	<5	165	150	<1	70
GT-12-3040	22	<10	<0.1		80	<5	212	190	<1	40
GT-12-3041	4	30	<0.1		270	<5	457	1570	<1	1210
GT-12-3042	5	10	<0.1		110	<5	172	110	<1	70
GT-12-3043	<1	10	0.2		1190	<5	75	150	<1	30
GT-12-3044	7	<10	0.6		1100	<5	30	50	<1	<20
GT-12-3045	5	10	<0.1		320	<5	350	460	<1	440
GT-12-3046	27	<10	<0.1		330	<5	210	170	<1	80
GT-12-3047	4	<10	<0.1		630	<5	213	290	<1	370

ANALYTE	Ag	As	Au	Cu	Mo	Ni	Pb	Pd	Zn
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	10	0.1	10	5	5	10	1	20
UNITS	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
GT-12-3048	8	10	<0.1	620	<5	272	260	<1	490
GT-12-3049	15	<10	<0.1	80	<5	198	240	<1	130
GT-12-3050	4	20	<0.1	140	<5	158	150	<1	1480
GT-12-3051	8	10	<0.1	60	<5	223	160	<1	100
GT-12-3052	4	70	<0.1	340	<5	199	200	<1	510
GT-12-3053	4	30	<0.1	310	<5	308	310	<1	1100
GT-12-3054	16	<10	<0.1	230	<5	69	190	<1	110
GT-12-3055	13	10	0.3	730	<5	90	140	<1	40
GT-12-3056	7	<10	<0.1	100	<5	235	280	<1	50
GT-12-3057	29	<10	<0.1	120	<5	192	150	<1	280
GT-12-3058	25	<10	<0.1	140	<5	78	140	<1	40
GT-12-3059	6	10	<0.1	340	<5	212	150	<1	610
GT-12-3060	19	<10	<0.1	180	<5	122	180	<1	70
GT-12-3061	2	10	0.1	240	<5	12	150	<1	30
GT-12-3062	7	<10	<0.1	190	<5	178	340	<1	40
GT-12-3063	12	<10	<0.1	50	<5	247	130	<1	30
GT-12-3064	14	10	<0.1	70	<5	143	130	<1	30
GT-12-3065	8	20	<0.1	290	<5	257	190	<1	100
GT-12-3066	12	<10	0.2	1020	<5	134	20	<1	40
GT-12-3067	11	<10	<0.1	60	<5	222	210	<1	30
GT-12-3068	7	<10	<0.1	100	<5	141	180	<1	130
GT-12-3069	16	<10	<0.1	90	<5	56	130	<1	100
REP-GT-12-3005	13	10	<0.1	140	<5	64	210	<1	170
REP-GT-12-3017	11	20	<0.1	140	<5	224	170	<1	110
REP-GT-12-3027	<1	20	<0.1	40	<5	37	180	<1	60
REP-GT-12-3045	4	10	<0.1	290	<5	344	490	<1	510
REP-GT-12-3061	2	<10	0.1	240	<5	12	150	<1	30
REP-GT-12-3069	15	<10	<0.1	90	<5	68	140	<1	50
AMIS0169	9	10	0.5	3610	<5	369	100	<1	190
MMISRM18	24	10	8.1	600	27	374	180	11	520
BLANK	<1	<10	<0.1	<10	<5	<5	<10	<1	<20
BLANK	<1	<10	<0.1	<10	<5	<5	<10	<1	<20

Analyte Method Detection Units	UTM East	UTM North	Ag MMI-M5 1 ppb	AgRR	As MMI-M5 10 ppb	AsRR	Au MMI-M5 0.1 ppb	AuRR	Cu MMI-M5 10 ppb	CuRR	Mo MMI-M5 5 ppb	MoRR	Ni MMI-M5 5 ppb	NiRR	Pb MMI-M5 10 ppb	PbRR	Pd MMI-M5 1 ppb	PdRR	Zn MMI-M5 20 ppb	ZnRR
GT-12-1000	386808	5287072	0.5	1	5	1	0.05	1	210	3	2.5	1	52	1	250	4	0.5	1	150	7
GT-12-1001	386908	5287072	0.5	1	20	4	0.05	1	60	1	2.5	1	115	2	100	2	0.5	1	70	3
GT-12-1002	387008	5287072	7	4	5	1	0.5	10	130	2	2.5	1	32	1	90	2	0.5	1	20	1
GT-12-1003	387108	5287072	6	3	5	1	0.05	1	110	2	2.5	1	36	1	140	2	0.5	1	20	1
GT-12-1004	387208	5287072	13	7	5	1	0.05	1	120	2	2.5	1	74	1	180	3	0.5	1	30	1
GT-12-1005	387308	5287072	9	5	5	1	0.05	1	90	1	2.5	1	159	3	100	2	0.5	1	10	1
GT-12-1006	387408	5287072	14	7	5	1	0.05	1	140	2	2.5	1	64	1	170	3	0.5	1	10	1
GT-12-1007	387508	5287072	2	1	5	1	0.05	1	490	7	2.5	1	77	2	40	1	0.5	1	110	5
GT-12-1008	387608	5287072	3	2	5	1	0.2	4	20	1	2.5	1	28	1	60	1	0.5	1	10	1
GT-12-1009	387708	5287072	4	2	5	1	0.05	1	120	2	2.5	1	194	4	250	4	0.5	1	140	7
GT-12-1010	387808	5287072	5	3	5	1	0.05	1	130	2	2.5	1	84	2	150	3	0.5	1	50	2
GT-12-1011	387908	5287072	3	2	5	1	0.5	10	840	13	2.5	1	107	2	160	3	0.5	1	240	11
GT-12-1012	388008	5287072	1	1	5	1	0.05	1	60	1	2.5	1	32	1	90	2	0.5	1	150	7
GT-12-1013	388108	5287072	0.5	1	20	4	0.05	1	510	8	66	26	157	3	20	1	0.5	1	100	5
GT-12-1014	388058	5287322	1	1	5	1	0.05	1	770	12	18	7	73	1	30	1	0.5	1	160	8
GT-12-1015	387958	5287322	1	1	5	1	0.1	2	600	9	15	6	90	2	5	1	0.5	1	200	9
GT-12-1016	387858	5287322	0.5	1	5	1	0.05	1	150	2	2.5	1	30	1	40	1	0.5	1	10	1
GT-12-1017	387758	5287322	1	1	5	1	0.05	1	100	2	2.5	1	28	1	40	1	0.5	1	10	1
GT-12-1018	387658	5287322	3	2	5	1	0.1	2	260	4	2.5	1	41	1	160	3	0.5	1	490	23
GT-12-1019	387558	5287322	5	3	5	1	0.1	2	130	2	2.5	1	75	1	80	1	0.5	1	10	1
GT-12-1020	387458	5287322	7	4	5	1	0.05	1	80	1	2.5	1	122	2	170	3	0.5	1	30	1
GT-12-1021	387358	5287322	9	5	5	1	0.05	1	80	1	2.5	1	63	1	160	3	0.5	1	50	2
GT-12-1022	387258	5287322	9	5	5	1	0.05	1	60	1	2.5	1	57	1	100	2	0.5	1	40	2
GT-12-1023	387158	5287322	10	5	5	1	0.05	1	150	2	2.5	1	321	6	170	3	0.5	1	90	4
GT-12-1024	387058	5287322	5	3	5	1	0.05	1	70	1	2.5	1	110	2	240	4	0.5	1	100	5
GT-12-1025	386958	5287322	4	2	5	1	0.05	1	100	2	2.5	1	73	1	110	2	0.5	1	180	9
GT-12-1026	386858	5287322	21	11	5	1	0.05	1	220	3	2.5	1	68	1	110	2	0.5	1	30	1
GT-12-1027	386758	5287322	1	1	5	1	0.05	1	290	4	2.5	1	15	1	5	1	0.5	1	60	3
GT-12-1028	384258	5287322	26	13	5	1	0.05	1	50	1	2.5	1	99	2	170	3	0.5	1	10	1
GT-12-1029	384158	5287322	5	3	5	1	0.05	1	80	1	2.5	1	124	2	160	3	0.5	1	50	2
GT-12-1030	384058	5287322	3	2	5	1	0.05	1	90	1	2.5	1	78	2	30	1	0.5	1	360	17
GT-12-1031	383958	5287322	21	11	5	1	0.2	4	490	7	2.5	1	131	3	110	2	0.5	1	130	6
GT-12-1032	383858	5287322	7	4	5	1	0.05	1	50	1	2.5	1	67	1	130	2	0.5	1	60	3
GT-12-1033	383758	5287322	8	4	5	1	0.05	1	110	2	2.5	1	221	4	150	3	0.5	1	10	1
GT-12-1034	383658	5287322	11	6	5	1	0.05	1	110	2	2.5	1	105	2	70	1	0.5	1	30	1
GT-12-1035	383558	5287322	13	7	5	1	0.1	2	120	2	2.5	1	120	2	140	2	0.5	1	30	1
GT-12-1036	383458	5287322	3	2	30	6	0.05	1	6690	102	10	4	291	6	40	1	0.5	1	60	3
GT-12-1037	383358	5287322	3	2	20	4	0.1	2	2900	44	78	31	471	9	30	1	0.5	1	180	9
GT-12-1038	383258	5287322	5	3	10	2	0.1	2	330	5	2.5	1	100	2	100	2	0.5	1	70	3

Analyte Method Detection Units	UTM East	UTM North	Ag MMI-M5 1 ppb	AgRR	As MMI-M5 10 ppb	AsRR	Au MMI-M5 0.1 ppb	AuRR	Cu MMI-M5 10 ppb	CuRR	Mo MMI-M5 5 ppb	MoRR	Ni MMI-M5 5 ppb	NiRR	Pb MMI-M5 10 ppb	PbRR	Pd MMI-M5 1 ppb	PdRR	Zn MMI-M5 20 ppb	ZnRR
GT-12-1039	383158	5287322	12	6	5	1	0.05	1	90	1	2.5	1	157	3	180	3	0.5	1	70	3
GT-12-1040	383058	5287322	11	6	5	1	0.05	1	300	5	2.5	1	210	4	250	4	0.5	1	60	3
GT-12-1041	382958	5287322	13	7	5	1	0.05	1	130	2	2.5	1	194	4	150	3	0.5	1	70	3
GT-12-1042	382858	5287322	3	2	5	1	0.05	1	2310	35	2.5	1	511	10	250	4	0.5	1	180	9
GT-12-1043	382758	5287322	9	5	5	1	0.05	1	190	3	2.5	1	132	3	240	4	0.5	1	110	5
GT-12-1044	382658	5287322	6	3	5	1	0.05	1	180	3	2.5	1	144	3	200	3	0.5	1	30	1
GT-12-1045	382558	5287322	17	9	5	1	0.05	1	120	2	2.5	1	92	2	150	3	0.5	1	140	7
GT-12-1046	382458	5287322	14	7	5	1	0.05	1	120	2	2.5	1	130	3	290	5	0.5	1	100	5
GT-12-1047	382408	5287572	5	3	5	1	0.3	6	1410	21	2.5	1	188	4	110	2	0.5	1	50	2
GT-12-1048	382508	5287572	6	3	20	4	0.05	1	160	2	7	3	159	3	110	2	0.5	1	410	19
GT-12-1049	382608	5287572	13	7	5	1	0.05	1	160	2	2.5	1	215	4	150	3	0.5	1	590	28
GT-12-1050	382708	5287572	9	5	5	1	0.05	1	410	6	2.5	1	133	3	90	2	0.5	1	730	35
GT-12-1051	382708	5287572	14	7	5	1	0.05	1	310	5	2.5	1	137	3	230	4	0.5	1	330	16
GT-12-1052	382808	5287572	13	7	5	1	0.05	1	120	2	2.5	1	197	4	200	3	0.5	1	70	3
GT-12-1053	382908	5287572	13	7	5	1	0.05	1	440	7	2.5	1	97	2	150	3	0.5	1	10	1
GT-12-1054	383108	5287572	7	4	5	1	0.05	1	90	1	2.5	1	185	4	240	4	0.5	1	80	4
GT-12-1055	383208	5287572	14	7	5	1	0.05	1	210	3	2.5	1	152	3	250	4	0.5	1	120	6
GT-12-1056	383308	5287572	2	1	5	1	0.05	1	100	2	2.5	1	59	1	20	1	0.5	1	30	1
GT-12-1057	383408	5287572	8	4	5	1	0.05	1	140	2	2.5	1	66	1	290	5	0.5	1	80	4
GT-12-1058	383508	5287572	8	4	5	1	0.05	1	150	2	2.5	1	205	4	130	2	0.5	1	80	4
GT-12-1059	383608	5287572	20	10	5	1	0.05	1	120	2	2.5	1	120	2	170	3	0.5	1	60	3
GT-12-1060	383708	5287572	10	5	5	1	0.05	1	160	2	2.5	1	60	1	100	2	0.5	1	30	1
GT-12-1061	383808	5287572	10	5	5	1	0.1	2	100	2	2.5	1	50	1	190	3	0.5	1	10	1
GT-12-1062	383908	5287572	13	7	5	1	0.05	1	220	3	2.5	1	176	4	80	1	0.5	1	80	4
GT-12-1063	384008	5287572	3	2	5	1	0.05	1	160	2	2.5	1	337	7	130	2	0.5	1	80	4
GT-12-1064	386808	5286822	13	7	5	1	0.05	1	140	2	2.5	1	268	5	190	3	0.5	1	40	2
GT-12-1065	386908	5286822	3	2	5	1	0.2	4	160	2	2.5	1	82	2	160	3	0.5	1	100	5
GT-12-1066	387008	5286822	10	5	5	1	0.05	1	90	1	2.5	1	158	3	220	4	0.5	1	10	1
GT-12-1067	387108	5286822	3	2	5	1	0.05	1	140	2	2.5	1	128	3	110	2	0.5	1	30	1
GT-12-1068	387208	5286822	4	2	5	1	0.05	1	100	2	2.5	1	81	2	140	2	0.5	1	30	1
GT-12-1069	387308	5286822	20	10	5	1	0.05	1	220	3	2.5	1	187	4	40	1	0.5	1	10	1
GT-12-1070	387408	5286822	13	7	5	1	0.05	1	140	2	2.5	1	196	4	220	4	0.5	1	40	2
GT-12-1071	387508	5286822	6	3	5	1	0.05	1	60	1	2.5	1	116	2	130	2	0.5	1	10	1
GT-12-1072	387608	5286822	7	4	10	2	0.05	1	290	4	2.5	1	151	3	110	2	0.5	1	170	8
GT-12-1073	387708	5286822	8	4	5	1	0.05	1	90	1	2.5	1	82	2	230	4	0.5	1	20	1
GT-12-1074	387808	5286822	0.5	1	50	10	0.05	1	300	5	2.5	1	93	2	240	4	0.5	1	210	10
GT-12-1075	387908	5286822	9	5	10	2	0.2	4	80	1	2.5	1	267	5	190	3	0.5	1	20	1
GT-12-1076	388008	5286822	3	2	5	1	0.05	1	90	1	2.5	1	36	1	70	1	0.5	1	30	1
GT-12-1077	388108	5286822	1	1	50	10	0.05	1	1360	21	23	9	425	8	90	2	0.5	1	210	10

Analyte Method Detection Units	UTM East	UTM North	Ag MMI-M5 1 ppb	AgRR	As MMI-M5 10 ppb	AsRR	Au MMI-M5 0.1 ppb	AuRR	Cu MMI-M5 10 ppb	CuRR	Mo MMI-M5 5 ppb	MoRR	Ni MMI-M5 5 ppb	NiRR	Pb MMI-M5 10 ppb	PbRR	Pd MMI-M5 1 ppb	PdRR	Zn MMI-M5 20 ppb	ZnRR
GT-12-1078	388108	5286572	1	1	50	10	0.05	1	5470	83	9	4	191	4	250	4	0.5	1	310	15
GT-12-1079	388008	5286572	2	1	5	1	0.05	1	370	6	2.5	1	392	8	130	2	0.5	1	40	2
GT-12-1080	387908	5286572	2	1	40	8	0.05	1	830	13	8	3	551	11	190	3	0.5	1	840	40
GT-12-1081	387808	5286572	14	7	5	1	0.05	1	160	2	2.5	1	75	1	160	3	0.5	1	60	3
GT-12-1082	387708	5286572	6	3	5	1	0.05	1	160	2	2.5	1	19	1	80	1	0.5	1	30	1
GT-12-1083	387608	5286572	5	3	5	1	0.05	1	180	3	2.5	1	178	4	110	2	0.5	1	90	4
GT-12-1084	387508	5286572	3	2	5	1	0.05	1	120	2	2.5	1	72	1	110	2	0.5	1	110	5
GT-12-1085	387408	5286572	2	1	5	1	0.05	1	60	1	2.5	1	18	1	40	1	0.5	1	10	1
GT-12-1086	387308	5286572	5	3	5	1	0.05	1	100	2	2.5	1	18	1	50	1	0.5	1	20	1
GT-12-1087	387208	5286572	4	2	5	1	0.05	1	100	2	2.5	1	76	2	50	1	0.5	1	20	1
GT-12-1088	387108	5286572	4	2	10	2	0.05	1	60	1	7	3	139	3	20	1	0.5	1	10	1
GT-12-1089	387008	5286572	7	4	5	1	0.05	1	100	2	2.5	1	165	3	90	2	0.5	1	10	1
GT-12-1090	386808	5286572	15	8	5	1	0.05	1	120	2	2.5	1	131	3	180	3	0.5	1	40	2
GT-12-1091	386708	5286572	3	2	5	1	0.05	1	40	1	2.5	1	49	1	110	2	0.5	1	10	1
GT-12-1092	386608	5286572	1	1	5	1	0.1	2	370	6	2.5	1	33	1	60	1	0.5	1	20	1
GT-12-1093	385008	5286822	15	8	5	1	0.05	1	240	4	2.5	1	107	2	80	1	0.5	1	10	1
GT-12-1094	385108	5286822	5	3	10	2	0.05	1	120	2	2.5	1	79	2	90	2	0.5	1	110	5
GT-12-1095	385208	5286822	3	2	30	6	0.05	1	620	9	6	2	138	3	50	1	0.5	1	90	4
GT-12-1096	385408	5286822	4	2	20	4	0.05	1	70	1	2.5	1	232	5	210	4	0.5	1	40	2
GT-12-1097	385508	5286822	4	2	10	2	0.05	1	120	2	2.5	1	49	1	100	2	0.5	1	40	2
GT-12-1098	385608	5286822	0.5	1	20	4	0.05	1	170	3	2.5	1	120	2	120	2	0.5	1	140	7
GT-12-1099	385708	5286822	13	7	20	4	0.05	1	180	3	2.5	1	290	6	90	2	0.5	1	60	3
GT-12-1100	385808	5286822	4	2	20	4	0.1	2	100	2	2.5	1	92	2	130	2	0.5	1	180	9
GT-12-1101	385808	5286822	3	2	10	2	0.05	1	60	1	2.5	1	46	1	60	1	0.5	1	10	1
GT-12-1102	385908	5286822	2	1	5	1	0.05	1	60	1	2.5	1	15	1	40	1	0.5	1	10	1
GT-12-1103	386008	5286822	3	2	5	1	0.6	12	70	1	2.5	1	40	1	5	1	0.5	1	10	1
GT-12-1104	386108	5286822	2	1	10	2	0.7	14	110	2	2.5	1	138	3	70	1	0.5	1	10	1
GT-12-1105	386208	5286822	10	5	10	2	0.05	1	160	2	2.5	1	141	3	130	2	0.5	1	170	8
GT-12-1106	386308	5286822	0.5	1	5	1	0.05	1	170	3	2.5	1	246	5	110	2	0.5	1	470	22
GT-12-1107	386408	5286822	2	1	5	1	0.05	1	150	2	2.5	1	65	1	190	3	0.5	1	670	32
GT-12-1108	386508	5286822	4	2	5	1	0.2	4	120	2	2.5	1	39	1	60	1	0.5	1	20	1
GT-12-1109	386608	5286822	0.5	1	20	4	0.05	1	1010	15	14	6	271	5	70	1	0.5	1	280	13
GT-12-1110	386708	5286822	2	1	20	4	0.05	1	160	2	6	2	147	3	160	3	0.5	1	60	3
GT-12-1111	386508	5287072	2	1	20	4	0.1	2	1780	27	2.5	1	109	2	180	3	0.5	1	70	3
GT-12-1112	386408	5287072	6	3	5	1	0.05	1	400	6	2.5	1	244	5	140	2	0.5	1	220	10
GT-12-1113	386308	5287072	5	3	5	1	0.05	1	200	3	2.5	1	65	1	210	4	0.5	1	180	9
GT-12-1114	386208	5287072	3	2	5	1	0.2	4	5	1	2.5	1	53	1	100	2	0.5	1	10	1
GT-12-1115	386108	5287072	14	7	5	1	0.05	1	80	1	2.5	1	94	2	90	2	0.5	1	10	1
GT-12-1116	386008	5287072	3	2	20	4	0.3	6	530	8	2.5	1	141	3	70	1	0.5	1	40	2



Analyte Method Detection Units	UTM East	UTM North	Ag MMI-M5 ppb	AgRR	As MMI-M5 ppb	AsRR	Au MMI-M5 ppb	AuRR	Cu MMI-M5 ppb	CuRR	Mo MMI-M5 ppb	MoRR	Ni MMI-M5 ppb	NiRR	Pb MMI-M5 ppb	PbRR	Pd MMI-M5 ppb	PdRR	Zn MMI-M5 ppb	ZnRR
GT-12-1117	385908	5287072	3	2	5	1	0.05	1	300	5	2.5	1	56	1	240	4	0.5	1	150	7
GT-12-1118	385808	5287072	2	1	20	4	0.1	2	50	1	2.5	1	124	2	110	2	0.5	1	80	4
GT-12-1119	385708	5287072	8	4	5	1	0.05	1	80	1	2.5	1	43	1	110	2	0.5	1	10	1
GT-12-1120	385608	5287072	5	3	20	4	0.2	4	80	1	2.5	1	72	1	90	2	0.5	1	20	1
GT-12-1121	385508	5287072	4	2	100	20	0.3	6	3920	60	80	32	457	9	350	6	0.5	1	130	6
GT-12-1122	385408	5287072	6	3	30	6	0.05	1	150	2	5	2	192	4	80	1	0.5	1	30	1
GT-12-1123	385308	5287072	4	2	20	4	0.05	1	110	2	2.5	1	83	2	70	1	0.5	1	30	1
GT-12-1124	385208	5287072	5	3	20	4	0.1	2	510	8	2.5	1	35	1	50	1	0.5	1	20	1
GT-12-1125	385108	5287072	3	2	5	1	0.05	1	70	1	2.5	1	95	2	90	2	0.5	1	10	1
GT-12-1126	385008	5287072	8	4	5	1	0.05	1	90	1	2.5	1	113	2	120	2	0.5	1	50	2
GT-12-1127	384358	5287322	9	5	10	2	0.05	1	100	2	2.5	1	92	2	120	2	0.5	1	120	6
GT-12-1128	384458	5287322	11	6	5	1	0.05	1	40	1	7	3	19	1	120	2	0.5	1	10	1
GT-12-1129	384558	5287322	4	2	20	4	0.05	1	200	3	2.5	1	238	5	530	9	0.5	1	290	14
GT-12-1130	384658	5287322	18	9	10	2	0.05	1	230	3	2.5	1	144	3	140	2	0.5	1	100	5
GT-12-1131	384758	5287322	5	3	10	2	0.05	1	110	2	2.5	1	171	3	190	3	0.5	1	130	6
GT-12-1132	384858	5287322	6	3	5	1	0.05	1	90	1	2.5	1	25	1	210	4	0.5	1	30	1
GT-12-1133	384958	5287322	4	2	5	1	0.1	2	110	2	2.5	1	66	1	60	1	0.5	1	10	1
GT-12-1134	385058	5287322	0.5	1	10	2	0.05	1	30	1	2.5	1	43	1	100	2	0.5	1	10	1
GT-12-1135	385158	5287322	11	6	20	4	0.05	1	110	2	2.5	1	139	3	90	2	0.5	1	50	2
GT-12-1136	385258	5287322	1	1	5	1	0.1	2	150	2	2.5	1	22	1	40	1	0.5	1	40	2
GT-12-1137	385358	5287322	9	5	5	1	0.05	1	260	4	2.5	1	135	3	120	2	0.5	1	60	3
GT-12-1138	385458	5287322	4	2	20	4	0.05	1	100	2	2.5	1	106	2	60	1	0.5	1	30	1
GT-12-1139	385558	5287322	4	2	20	4	0.05	1	660	10	2.5	1	155	3	20	1	0.5	1	10	1
GT-12-1140	385658	5287322	0.5	1	20	4	0.2	4	240	4	2.5	1	111	2	160	3	0.5	1	140	7
GT-12-1141	385758	5287322	2	1	5	1	0.1	2	900	14	2.5	1	67	1	100	2	0.5	1	110	5
GT-12-1142	385858	5287322	4	2	10	2	0.05	1	410	6	2.5	1	156	3	290	5	0.5	1	650	31
GT-12-1143	385958	5287322	5	3	5	1	0.1	2	200	3	2.5	1	128	3	190	3	0.5	1	90	4
GT-12-1144	386058	5287322	5	3	10	2	0.05	1	60	1	2.5	1	199	4	40	1	0.5	1	80	4
GT-12-2000	387043	5287349	7	4	5	1	0.05	1	110	2	2.5	1	69	1	80	1	0.5	1	40	2
GT-12-2001	387043	5287325	11	6	5	1	0.05	1	140	2	2.5	1	165	3	220	4	0.5	1	520	25
GT-12-2002	387043	5287300	6	3	5	1	0.05	1	70	1	2.5	1	110	2	90	2	0.5	1	60	3
GT-12-2003	387043	5287274	3	2	5	1	0.05	1	120	2	2.5	1	55	1	100	2	0.5	1	40	2
GT-12-2004	387043	5287249	7	4	5	1	0.05	1	120	2	2.5	1	81	2	110	2	0.5	1	360	17
GT-12-2005	387043	5287225	13	7	5	1	0.05	1	130	2	2.5	1	87	2	100	2	0.5	1	60	3
GT-12-2006	387043	5287199	4	2	5	1	0.1	2	220	3	2.5	1	154	3	210	4	0.5	1	130	6
GT-12-2007	387043	5287174	1	1	30	6	0.2	4	250	4	2.5	1	133	3	200	3	0.5	1	50	2
GT-12-2008	387043	5287150	2	1	10	2	0.05	1	250	4	2.5	1	280	6	240	4	0.5	1	250	12
GT-12-2009	387043	5287125	4	2	20	4	0.3	6	2200	33	2.5	1	199	4	170	3	0.5	1	190	9
GT-12-2010	387043	5287099	13	7	5	1	0.05	1	170	3	2.5	1	130	3	170	3	0.5	1	40	2

Analyte Method Detection Units	UTM East	UTM North	Ag MMI-M5 ppb	AgRR	As MMI-M5 ppb	AsRR	Au MMI-M5 ppb	AuRR	Cu MMI-M5 ppb	CuRR	Mo MMI-M5 ppb	MoRR	Ni MMI-M5 ppb	NiRR	Pb MMI-M5 ppb	PbRR	Pd MMI-M5 ppb	PdRR	Zn MMI-M5 ppb	ZnRR
GT-12-2011	387043	5287074	7	4	5	1	0.05	1	90	1	2.5	1	69	1	120	2	0.5	1	100	5
GT-12-2012	387043	5287050	10	5	5	1	0.05	1	180	3	2.5	1	155	3	160	3	0.5	1	170	8
GT-12-2013	387043	5287024	11	6	5	1	0.05	1	180	3	2.5	1	58	1	110	2	0.5	1	40	2
GT-12-2014	387043	5286999	6	3	10	2	0.05	1	140	2	2.5	1	131	3	100	2	0.5	1	160	8
GT-12-2015	387043	5286975	5	3	5	1	0.05	1	320	5	2.5	1	47	1	90	2	0.5	1	70	3
GT-12-2016	387043	5286950	7	4	5	1	0.05	1	140	2	2.5	1	60	1	70	1	0.5	1	40	2
GT-12-2017	386993	5286962	4	2	10	2	0.05	1	60	1	2.5	1	99	2	190	3	0.5	1	10	1
GT-12-2018	386993	5286987	2	1	5	1	0.05	1	60	1	2.5	1	134	3	80	1	0.5	1	30	1
GT-12-2019	386993	5287012	2	1	10	2	0.05	1	60	1	2.5	1	88	2	130	2	0.5	1	40	2
GT-12-2020	386993	5287037	3	2	10	2	0.05	1	60	1	2.5	1	208	4	210	4	0.5	1	70	3
GT-12-2021	386993	5287062	5	3	20	4	0.05	1	130	2	2.5	1	130	3	120	2	0.5	1	170	8
GT-12-2022	386993	5287087	8	4	5	1	0.05	1	70	1	2.5	1	75	1	110	2	0.5	1	40	2
GT-12-2023	386993	5287112	13	7	5	1	0.05	1	130	2	2.5	1	51	1	90	2	0.5	1	40	2
GT-12-2024	386993	5287137	2	1	5	1	0.1	2	220	3	2.5	1	22	1	30	1	0.5	1	160	8
GT-12-2025	386993	5287162	6	3	110	22	2.4	48	720	11	2.5	1	118	2	70	1	0.5	1	180	9
GT-12-2026	386993	5287187	4	2	5	1	0.05	1	290	4	2.5	1	207	4	320	6	0.5	1	60	3
GT-12-2027	386993	5287212	5	3	10	2	0.05	1	190	3	2.5	1	176	4	200	3	0.5	1	50	2
GT-12-2028	386993	5287237	7	4	10	2	0.05	1	120	2	2.5	1	168	3	120	2	0.5	1	80	4
GT-12-2029	386993	5287262	11	6	10	2	0.05	1	190	3	2.5	1	167	3	130	2	0.5	1	70	3
GT-12-2030	386993	5287287	5	3	5	1	0.2	4	370	6	2.5	1	25	1	40	1	0.5	1	70	3
GT-12-2031	386993	5287312	2	1	5	1	0.3	6	260	4	2.5	1	14	1	100	2	0.5	1	20	1
GT-12-2032	386993	5287337	4	2	5	1	0.4	8	180	3	2.5	1	29	1	40	1	0.5	1	30	1
GT-12-2033	386993	5287362	9	5	5	1	0.1	2	120	2	2.5	1	63	1	100	2	0.5	1	80	4
GT-12-2034	386943	5287349	7	4	10	2	0.05	1	140	2	2.5	1	132	3	80	1	0.5	1	60	3
GT-12-2035	386943	5287325	12	6	5	1	0.05	1	140	2	2.5	1	102	2	110	2	0.5	1	40	2
GT-12-2036	386943	5287300	8	4	5	1	0.05	1	150	2	2.5	1	235	5	130	2	0.5	1	120	6
GT-12-2037	386943	5287274	3	2	5	1	0.05	1	90	1	2.5	1	45	1	80	1	0.5	1	20	1
GT-12-2038	386943	5287250	16	8	5	1	0.05	1	200	3	2.5	1	93	2	120	2	0.5	1	50	2
GT-12-2039	386943	5287225	6	3	5	1	0.05	1	110	2	2.5	1	234	5	130	2	0.5	1	310	15
GT-12-2040	386943	5287199	3	2	20	4	0.05	1	390	6	2.5	1	209	4	150	3	0.5	1	610	29
GT-12-2041	386943	5287174	7	4	5	1	0.05	1	160	2	2.5	1	114	2	90	2	0.5	1	80	4
GT-12-2042	386943	5287150	15	8	5	1	0.05	1	270	4	2.5	1	66	1	110	2	0.5	1	50	2
GT-12-2043	386943	5287125	7	4	5	1	0.2	4	120	2	2.5	1	62	1	80	1	0.5	1	40	2
GT-12-2044	386943	5287099	8	4	5	1	0.05	1	130	2	2.5	1	160	3	150	3	0.5	1	50	2
GT-12-2045	386943	5287075	0.5	1	20	4	0.1	2	40	1	2.5	1	118	2	150	3	0.5	1	70	3
GT-12-2046	386943	5287050	2	1	20	4	0.05	1	70	1	2.5	1	106	2	130	2	0.5	1	40	2
GT-12-2047	386943	5287024	2	1	10	2	0.05	1	60	1	2.5	1	88	2	50	1	0.5	1	30	1
GT-12-2048	386943	5286999	1	1	10	2	0.05	1	50	1	2.5	1	138	3	30	1	0.5	1	30	1
GT-12-2049	386943	5286975	2	1	20	4	0.1	2	60	1	2.5	1	93	2	80	1	0.5	1	70	3

Analyte Method Detection Units	UTM East	UTM North	Ag MMI-M5 ppb	AgRR	As MMI-M5 ppb	AsRR	Au MMI-M5 ppb	AuRR	Cu MMI-M5 ppb	CuRR	Mo MMI-M5 ppb	MoRR	Ni MMI-M5 ppb	NiRR	Pb MMI-M5 ppb	PbRR	Pd MMI-M5 ppb	PdRR	Zn MMI-M5 ppb	ZnRR
GT-12-2050	386943	5286950	1	1	20	4	0.05	1	50	1	6	2	69	1	50	1	0.5	1	60	3
GT-12-2051	381358	5287822	10	5	20	4	0.1	2	410	6	2.5	1	294	6	100	2	0.5	1	190	9
GT-12-2052	381458	5287822	3	2	10	2	0.05	1	170	3	2.5	1	113	2	90	2	0.5	1	10	1
GT-12-2053	381558	5287822	14	7	30	6	0.3	6	180	3	2.5	1	211	4	120	2	0.5	1	360	17
GT-12-2054	381613	5287834	24	12	10	2	0.1	2	120	2	2.5	1	123	2	150	3	0.5	1	50	2
GT-12-2055	381758	5287822	12	6	20	4	0.1	2	380	6	2.5	1	150	3	190	3	0.5	1	120	6
GT-12-2056	381858	5287822	3	2	5	1	0.05	1	140	2	2.5	1	167	3	130	2	0.5	1	30	1
GT-12-2057	381958	5287822	0.5	1	10	2	0.05	1	1450	22	2.5	1	94	2	50	1	0.5	1	100	5
GT-12-2058	382058	5287822	7	4	10	2	0.2	4	380	6	2.5	1	65	1	70	1	0.5	1	40	2
GT-12-2059	382158	5287822	7	4	30	6	0.05	1	240	4	2.5	1	312	6	300	5	0.5	1	130	6
GT-12-2060	382208	5288072	18	9	10	2	0.05	1	180	3	2.5	1	227	5	140	2	0.5	1	70	3
GT-12-2061	382108	5288072	18	9	5	1	0.05	1	50	1	2.5	1	79	2	190	3	0.5	1	40	2
GT-12-2062	382008	5288072	9	5	5	1	0.6	12	620	9	2.5	1	56	1	240	4	0.5	1	40	2
GT-12-2063	381908	5288072	17	9	5	1	0.1	2	180	3	2.5	1	102	2	210	4	0.5	1	30	1
GT-12-2064	381808	5288072	21	11	5	1	0.05	1	190	3	2.5	1	120	2	120	2	0.5	1	100	5
GT-12-2065	381708	5288072	18	9	5	1	0.2	4	150	2	2.5	1	40	1	70	1	0.5	1	50	2
GT-12-2066	381608	5288072	10	5	5	1	0.05	1	60	1	2.5	1	117	2	70	1	0.5	1	40	2
GT-12-2067	381508	5288072	17	9	5	1	0.05	1	110	2	2.5	1	137	3	160	3	0.5	1	50	2
GT-12-2068	381408	5288072	18	9	5	1	0.05	1	150	2	2.5	1	71	1	120	2	0.5	1	340	16
GT-12-2069	386558	5288322	2	1	5	1	0.05	1	250	4	2.5	1	88	2	80	1	0.5	1	60	3
GT-12-2070	386458	5288322	8	4	5	1	0.05	1	90	1	2.5	1	104	2	170	3	0.5	1	60	3
GT-12-2071	386258	5288322	2	1	20	4	0.2	4	90	1	2.5	1	37	1	110	2	0.5	1	20	1
GT-12-2072	386158	5288322	6	3	10	2	0.05	1	80	1	2.5	1	91	2	80	1	0.5	1	70	3
GT-12-2073	386058	5288322	10	5	5	1	0.05	1	130	2	2.5	1	195	4	200	3	0.5	1	30	1
GT-12-2074	385958	5288322	1	1	20	4	0.2	4	80	1	2.5	1	69	1	100	2	0.5	1	30	1
GT-12-2075	385911	5288318	10	5	5	1	0.3	6	1930	29	2.5	1	166	3	70	1	0.5	1	30	1
GT-12-2076	382158	5288322	0.5	1	10	2	0.4	8	980	15	2.5	1	205	4	10	1	0.5	1	10	1
GT-12-2077	382262	5288349	3	2	10	2	0.2	4	760	12	2.5	1	223	4	190	3	0.5	1	60	3
GT-12-2078	382358	5288322	5	3	5	1	0.05	1	170	3	2.5	1	123	2	250	4	0.5	1	70	3
GT-12-2079	382458	5288322	4	2	10	2	0.05	1	290	4	5	2	235	5	20	1	0.5	1	100	5
GT-12-2080	382558	5288322	3	2	5	1	0.05	1	310	5	2.5	1	157	3	50	1	0.5	1	240	11
GT-12-2081	382658	5288322	7	4	5	1	0.05	1	190	3	2.5	1	109	2	140	2	0.5	1	60	3
GT-12-2082	382758	5288322	10	5	5	1	0.05	1	180	3	2.5	1	224	4	240	4	0.5	1	120	6
GT-12-2083	382858	5288322	12	6	5	1	0.05	1	450	7	2.5	1	92	2	520	9	0.5	1	190	9
GT-12-2084	382958	5288322	12	6	5	1	0.05	1	130	2	2.5	1	50	1	250	4	0.5	1	270	13
GT-12-2085	383058	5288322	10	5	5	1	0.05	1	240	4	2.5	1	169	3	200	3	0.5	1	140	7
GT-12-2086	383158	5288322	5	3	5	1	0.05	1	230	3	2.5	1	116	2	130	2	0.5	1	570	27
GT-12-2087	383258	5288322	3	2	5	1	0.05	1	310	5	2.5	1	103	2	160	3	0.5	1	30	1
GT-12-2088	383358	5288322	6	3	5	1	0.05	1	130	2	2.5	1	107	2	170	3	0.5	1	750	35

Analyte Method Detection Units	UTM East	UTM North	Ag MMI-M5 ppb	AgRR	As MMI-M5 ppb	AsRR	Au MMI-M5 ppb	AuRR	Cu MMI-M5 ppb	CuRR	Mo MMI-M5 ppb	MoRR	Ni MMI-M5 ppb	NiRR	Pb MMI-M5 ppb	PbRR	Pd MMI-M5 ppb	PdRR	Zn MMI-M5 ppb	ZnRR
GT-12-2089	383458	5288322	6	3	20	4	0.5	10	4860	74	2.5	1	55	1	5520	95	0.5	1	14900	705
GT-12-2090	383558	5288322	2	1	5	1	0.05	1	420	6	2.5	1	42	1	150	3	0.5	1	150	7
GT-12-2091	383658	5288322	7	4	10	2	0.05	1	170	3	7	3	99	2	120	2	0.5	1	250	12
GT-12-2092	383758	5288322	7	4	5	1	0.05	1	150	2	2.5	1	119	2	140	2	0.5	1	90	4
GT-12-2093	383858	5288322	7	4	5	1	0.5	10	1070	16	2.5	1	73	1	40	1	0.5	1	100	5
GT-12-2094	383958	5288322	11	6	5	1	0.05	1	100	2	2.5	1	125	2	350	6	0.5	1	540	26
GT-12-2095	384058	5288322	16	8	5	1	0.05	1	80	1	2.5	1	122	2	130	2	0.5	1	50	2
GT-12-2096	384158	5288322	12	6	5	1	0.05	1	280	4	2.5	1	138	3	130	2	0.5	1	30	1
GT-12-2097	381358	5288322	11	6	5	1	0.05	1	340	5	2.5	1	124	2	160	3	0.5	1	150	7
GT-12-2098	381458	5288322	14	7	5	1	0.05	1	350	5	2.5	1	457	9	740	13	0.5	1	190	9
GT-12-2099	381558	5288322	20	10	5	1	0.05	1	180	3	6	2	118	2	140	2	0.5	1	90	4
GT-12-2100	381658	5288322	16	8	5	1	0.1	2	170	3	2.5	1	162	3	100	2	0.5	1	50	2
GT-12-2101	381658	5288322	13	7	10	2	0.05	1	230	3	2.5	1	213	4	50	1	0.5	1	40	2
GT-12-2102	382308	5288072	3	2	5	1	0.05	1	220	3	2.5	1	122	2	280	5	0.5	1	250	12
GT-12-2103	382408	5288072	5	3	5	1	0.1	2	1260	19	6	2	97	2	120	2	0.5	1	40	2
GT-12-2104	382508	5288072	12	6	5	1	0.05	1	200	3	2.5	1	214	4	190	3	0.5	1	40	2
GT-12-2105	382608	5288072	7	4	5	1	0.05	1	360	5	2.5	1	49	1	60	1	0.5	1	270	13
GT-12-2106	382708	5288072	20	10	5	1	0.05	1	230	3	2.5	1	76	2	150	3	0.5	1	50	2
GT-12-2107	382808	5288072	15	8	5	1	0.05	1	210	3	2.5	1	83	2	120	2	0.5	1	60	3
GT-12-2108	384108	5287572	3	2	10	2	0.05	1	770	12	7	3	171	3	70	1	0.5	1	60	3
GT-12-2109	384208	5287572	9	5	10	2	0.05	1	140	2	6	2	68	1	230	4	0.5	1	60	3
GT-12-2110	384308	5287572	4	2	5	1	0.05	1	360	5	2.5	1	166	3	140	2	0.5	1	80	4
GT-12-2111	384408	5287572	7	4	5	1	0.05	1	50	1	2.5	1	80	2	70	1	0.5	1	40	2
GT-12-2112	384508	5287572	3	2	5	1	0.05	1	50	1	2.5	1	79	2	160	3	0.5	1	2090	99
GT-12-2113	384608	5287572	5	3	5	1	0.05	1	120	2	10	4	33	1	80	1	0.5	1	30	1
GT-12-2114	384708	5287572	6	3	5	1	0.05	1	100	2	2.5	1	42	1	40	1	0.5	1	40	2
GT-12-2115	384808	5287572	12	6	5	1	0.1	2	360	5	2.5	1	88	2	80	1	0.5	1	30	1
GT-12-2116	384908	5287572	2	1	30	6	0.05	1	90	1	7	3	113	2	180	3	0.5	1	90	4
GT-12-2117	385008	5287572	10	5	5	1	0.05	1	130	2	2.5	1	26	1	130	2	0.5	1	30	1
GT-12-2118	385108	5287572	12	6	5	1	0.05	1	50	1	6	2	131	3	70	1	0.5	1	30	1
GT-12-2119	385208	5287572	14	7	5	1	0.2	4	4650	71	2.5	1	497	10	60	1	0.5	1	80	4
GT-12-2120	385308	5287572	0.5	1	5	1	0.05	1	710	11	6	2	113	2	120	2	0.5	1	140	7
GT-12-2121	385458	5287822	0.5	1	10	2	0.05	1	620	9	5	2	223	4	20	1	0.5	1	80	4
GT-12-2122	385358	5287822	22	11	5	1	0.05	1	190	3	2.5	1	90	2	110	2	0.5	1	30	1
GT-12-2123	385258	5287822	4	2	5	1	0.05	1	430	7	2.5	1	144	3	60	1	0.5	1	40	2
GT-12-2124	385158	5287822	4	2	5	1	0.05	1	230	3	2.5	1	155	3	280	5	0.5	1	520	25
GT-12-2125	385058	5287822	2	1	10	2	0.05	1	370	6	2.5	1	113	2	230	4	0.5	1	70	3
GT-12-2126	384958	5287822	4	2	10	2	0.05	1	120	2	5	2	98	2	190	3	0.5	1	40	2
GT-12-2127	384858	5287822	16	8	5	1	0.05	1	80	1	2.5	1	129	3	160	3	0.5	1	40	2

Analyte Method Detection Units	UTM East	UTM North	Ag MMI-M5 ppb	AgRR	As MMI-M5 ppb	AsRR	Au MMI-M5 ppb	AuRR	Cu MMI-M5 ppb	CuRR	Mo MMI-M5 ppb	MoRR	Ni MMI-M5 ppb	NiRR	Pb MMI-M5 ppb	PbRR	Pd MMI-M5 ppb	PdRR	Zn MMI-M5 ppb	ZnRR
GT-12-2128	384758	5287822	24	12	5	1	0.05	1	140	2	2.5	1	200	4	210	4	0.5	1	30	1
GT-12-2129	384658	5287822	12	6	5	1	0.05	1	70	1	2.5	1	73	1	210	4	0.5	1	30	1
GT-12-2130	384558	5287822	5	3	20	4	0.05	1	120	2	6	2	86	2	170	3	0.5	1	60	3
GT-12-2131	384458	5287822	22	11	5	1	0.05	1	230	3	2.5	1	31	1	200	3	0.5	1	70	3
GT-12-2132	384358	5287822	2	1	20	4	0.05	1	140	2	2.5	1	122	2	110	2	0.5	1	100	5
GT-12-2133	384258	5287822	2	1	5	1	0.1	2	730	11	2.5	1	38	1	10	1	0.5	1	30	1
GT-12-2134	384158	5287822	1	1	40	8	0.05	1	1190	18	23	9	231	5	40	1	0.5	1	410	19
GT-12-2135	384058	5287822	6	3	10	2	0.05	1	120	2	2.5	1	151	3	130	2	0.5	1	40	2
GT-12-3000	387008	5287572	25	13	5	1	0.05	1	140	2	2.5	1	49	1	130	2	0.5	1	30	1
GT-12-3001	387108	5287572	15	8	5	1	0.1	2	110	2	2.5	1	56	1	120	2	0.5	1	20	1
GT-12-3002	387208	5287572	15	8	5	1	0.05	1	160	2	2.5	1	71	1	90	2	0.5	1	40	2
GT-12-3003	387308	5287572	30	15	10	2	0.1	2	140	2	2.5	1	69	1	130	2	0.5	1	40	2
GT-12-3004	387408	5287572	7	4	5	1	0.05	1	140	2	2.5	1	118	2	100	2	0.5	1	200	9
GT-12-3005	387508	5287572	12	6	10	2	0.05	1	150	2	2.5	1	64	1	220	4	0.5	1	150	7
GT-12-3006	387608	5287572	24	12	5	1	0.05	1	130	2	2.5	1	68	1	120	2	0.5	1	60	3
GT-12-3007	387708	5287572	5	3	20	4	0.05	1	140	2	2.5	1	162	3	280	5	0.5	1	290	14
GT-12-3008	387808	5287572	5	3	10	2	0.05	1	420	6	2.5	1	242	5	120	2	0.5	1	110	5
GT-12-3009	387908	5287572	5	3	30	6	0.1	2	590	9	7	3	83	2	170	3	0.5	1	60	3
GT-12-3010	388008	5287572	26	13	20	4	0.05	1	220	3	2.5	1	169	3	240	4	0.5	1	60	3
GT-12-3011	388108	5287572	5	3	10	2	0.05	1	1070	16	6	2	183	4	130	2	0.5	1	400	19
GT-12-3012	388058	5287822	8	4	5	1	0.05	1	120	2	2.5	1	148	3	70	1	0.5	1	50	2
GT-12-3013	387958	5287822	13	7	5	1	0.05	1	240	4	2.5	1	140	3	230	4	0.5	1	60	3
GT-12-3014	387858	5287822	15	8	5	1	0.05	1	70	1	2.5	1	131	3	220	4	0.5	1	40	2
GT-12-3015	387758	5287822	12	6	5	1	0.05	1	180	3	2.5	1	78	2	150	3	0.5	1	40	2
GT-12-3016	387458	5287822	11	6	10	2	0.05	1	250	4	2.5	1	248	5	160	3	0.5	1	130	6
GT-12-3017	387358	5287822	12	6	20	4	0.05	1	150	2	2.5	1	222	4	170	3	0.5	1	70	3
GT-12-3018	387258	5287822	22	11	5	1	0.05	1	150	2	2.5	1	126	3	150	3	0.5	1	230	11
GT-12-3019	387158	5287822	9	5	5	1	0.05	1	120	2	2.5	1	141	3	150	3	0.5	1	400	19
GT-12-3020	387058	5287822	8	4	20	4	0.05	1	140	2	2.5	1	91	2	120	2	0.5	1	160	8
GT-12-3021	386958	5287822	11	6	20	4	0.05	1	130	2	2.5	1	168	3	180	3	0.5	1	650	31
GT-12-3022	386858	5287822	15	8	10	2	0.05	1	210	3	2.5	1	152	3	290	5	0.5	1	710	34
GT-12-3023	386758	5287822	26	13	5	1	0.05	1	110	2	2.5	1	105	2	150	3	0.5	1	150	7
GT-12-3024	386658	5287822	22	11	10	2	0.05	1	100	2	2.5	1	170	3	140	2	0.5	1	110	5
GT-12-3025	386558	5287822	32	16	5	1	0.1	2	200	3	2.5	1	33	1	130	2	0.5	1	50	2
GT-12-3026	386458	5287822	20	10	5	1	0.05	1	440	7	5	2	127	3	80	1	0.5	1	280	13
GT-12-3027	386408	5287572	1	1	20	4	0.05	1	40	1	2.5	1	51	1	180	3	0.5	1	80	4
GT-12-3028	386308	5287572	3	2	20	4	0.05	1	230	3	2.5	1	110	2	290	5	0.5	1	510	24
GT-12-3029	386208	5287572	5	3	30	6	0.05	1	370	6	2.5	1	110	2	190	3	0.5	1	170	8
GT-12-3030	386108	5287572	6	3	5	1	0.05	1	320	5	2.5	1	66	1	30	1	0.5	1	70	3

Analyte Method Detection Units	UTM East	UTM North	Ag MMI-M5 ppb	AgRR	As MMI-M5 ppb	AsRR	Au MMI-M5 ppb	AuRR	Cu MMI-M5 ppb	CuRR	Mo MMI-M5 ppb	MoRR	Ni MMI-M5 ppb	NiRR	Pb MMI-M5 ppb	PbRR	Pd MMI-M5 ppb	PdRR	Zn MMI-M5 ppb	ZnRR
GT-12-3031	386008	5287572	7	4	10	2	0.05	1	180	3	2.5	1	214	4	190	3	0.5	1	100	5
GT-12-3032	385908	5287572	3	2	40	8	0.1	2	250	4	2.5	1	102	2	2890	50	0.5	1	70	3
GT-12-3033	386508	5287572	19	10	5	1	0.05	1	70	1	2.5	1	202	4	200	3	0.5	1	40	2
GT-12-3034	386608	5287572	22	11	30	6	0.1	2	370	6	5	2	173	3	140	2	0.5	1	110	5
GT-12-3035	386708	5287572	22	11	5	1	0.05	1	160	2	2.5	1	126	3	190	3	0.5	1	60	3
GT-12-3036	386808	5287572	10	5	10	2	0.7	14	80	1	2.5	1	129	3	150	3	0.5	1	60	3
GT-12-3037	386908	5287572	5	3	10	2	0.05	1	80	1	2.5	1	74	1	100	2	0.5	1	340	16
GT-12-3038	381358	5287322	12	6	5	1	0.05	1	110	2	2.5	1	149	3	190	3	0.5	1	90	4
GT-12-3039	381458	5287322	11	6	5	1	0.05	1	100	2	2.5	1	165	3	150	3	0.5	1	70	3
GT-12-3040	381558	5287322	22	11	5	1	0.05	1	80	1	2.5	1	212	4	190	3	0.5	1	40	2
GT-12-3041	381658	5287322	4	2	30	6	0.05	1	270	4	2.5	1	457	9	1570	27	0.5	1	1210	57
GT-12-3042	381758	5287322	5	3	10	2	0.05	1	110	2	2.5	1	172	3	110	2	0.5	1	70	3
GT-12-3043	381958	5287322	0.5	1	10	2	0.2	4	1190	18	2.5	1	75	1	150	3	0.5	1	30	1
GT-12-3044	382058	5287322	7	4	5	1	0.6	12	1100	17	2.5	1	30	1	50	1	0.5	1	10	1
GT-12-3045	382158	5287322	5	3	10	2	0.05	1	320	5	2.5	1	350	7	460	8	0.5	1	440	21
GT-12-3046	382258	5287322	27	14	5	1	0.05	1	330	5	2.5	1	210	4	170	3	0.5	1	80	4
GT-12-3047	382208	5287572	4	2	5	1	0.05	1	630	10	2.5	1	213	4	290	5	0.5	1	370	18
GT-12-3048	382108	5287572	8	4	10	2	0.05	1	620	9	2.5	1	272	5	260	4	0.5	1	490	23
GT-12-3049	382008	5287572	15	8	5	1	0.05	1	80	1	2.5	1	198	4	240	4	0.5	1	130	6
GT-12-3050	381908	5287572	4	2	20	4	0.05	1	140	2	2.5	1	158	3	150	3	0.5	1	1480	70
GT-12-3051	381808	5287572	8	4	10	2	0.05	1	60	1	2.5	1	223	4	160	3	0.5	1	100	5
GT-12-3052	381700	5287542	4	2	70	14	0.05	1	340	5	2.5	1	199	4	200	3	0.5	1	510	24
GT-12-3053	381596	5287582	4	2	30	6	0.05	1	310	5	2.5	1	308	6	310	5	0.5	1	1100	52
GT-12-3054	381508	5287572	16	8	5	1	0.05	1	230	3	2.5	1	69	1	190	3	0.5	1	110	5
GT-12-3055	381408	5287572	13	7	10	2	0.3	6	730	11	2.5	1	90	2	140	2	0.5	1	40	2
GT-12-3056	382458	5287822	7	4	5	1	0.05	1	100	2	2.5	1	235	5	280	5	0.5	1	50	2
GT-12-3057	382558	5287822	29	15	5	1	0.05	1	120	2	2.5	1	192	4	150	3	0.5	1	280	13
GT-12-3058	382658	5287822	25	13	5	1	0.05	1	140	2	2.5	1	78	2	140	2	0.5	1	40	2
GT-12-3059	382758	5287822	6	3	10	2	0.05	1	340	5	2.5	1	212	4	150	3	0.5	1	610	29
GT-12-3060	382872	5287829	19	10	5	1	0.05	1	180	3	2.5	1	122	2	180	3	0.5	1	70	3
GT-12-3061	382960	5287846	2	1	10	2	0.1	2	240	4	2.5	1	12	1	150	3	0.5	1	30	1
GT-12-3062	383058	5287822	7	4	5	1	0.05	1	190	3	2.5	1	178	4	340	6	0.5	1	40	2
GT-12-3063	383158	5287822	12	6	5	1	0.05	1	50	1	2.5	1	247	5	130	2	0.5	1	30	1
GT-12-3064	383258	5287822	14	7	10	2	0.05	1	70	1	2.5	1	143	3	130	2	0.5	1	30	1
GT-12-3065	383358	5287822	8	4	20	4	0.05	1	290	4	2.5	1	257	5	190	3	0.5	1	100	5
GT-12-3066	383458	5287822	12	6	5	1	0.2	4	1020	16	2.5	1	134	3	20	1	0.5	1	40	2
GT-12-3067	383558	5287822	11	6	5	1	0.05	1	60	1	2.5	1	222	4	210	4	0.5	1	30	1
GT-12-3068	383658	5287822	7	4	5	1	0.05	1	100	2	2.5	1	141	3	180	3	0.5	1	130	6
GT-12-3069	383758	5287822	16	8	5	1	0.05	1	90	1	2.5	1	56	1	130	2	0.5	1	100	5

Analyte Method Detection Units	UTM East	UTM North	Ag MMI-M5 1 ppb	AgRR	As MMI-M5 10 ppb	AsRR	Au MMI-M5 0.1 ppb	AuRR	Cu MMI-M5 10 ppb	CuRR	Mo MMI-M5 5 ppb	MoRR	Ni MMI-M5 5 ppb	NiRR	Pb MMI-M5 10 ppb	PbRR	Pd MMI-M5 1 ppb	PdRR	Zn MMI-M5 20 ppb	ZnRR
GT-12-3070	383858	5287822	12	6	5	1	0.05	1	140	2	2.5	1	185	4	100	2	0.5	1	90	4
GT-12-3071	383958	5287822	6	3	5	1	0.3	6	5160	78	2.5	1	359	7	70	1	0.5	1	150	7
GT-12-3072	384108	5288072	14	7	5	1	0.05	1	170	3	2.5	1	297	6	170	3	0.5	1	40	2
GT-12-3073	384008	5288072	7	4	20	4	0.1	2	150	2	2.5	1	129	3	150	3	0.5	1	100	5
GT-12-3074	383908	5288072	9	5	5	1	0.05	1	100	2	2.5	1	190	4	240	4	0.5	1	70	3
GT-12-3075	383808	5288072	2	1	5	1	0.1	2	160	2	2.5	1	104	2	260	4	0.5	1	100	5
GT-12-3076	383608	5288072	16	8	5	1	0.05	1	270	4	2.5	1	102	2	290	5	0.5	1	100	5
GT-12-3077	383708	5288072	5	3	5	1	0.05	1	90	1	2.5	1	193	4	210	4	0.5	1	200	9
GT-12-3078	383520	5288076	1	1	20	4	0.05	1	280	4	2.5	1	184	4	50	1	0.5	1	70	3
GT-12-3079	383408	5288072	6	3	5	1	0.05	1	60	1	2.5	1	48	1	160	3	0.5	1	40	2
GT-12-3080	383308	5288072	4	2	20	4	0.2	4	60	1	2.5	1	92	2	110	2	0.5	1	70	3
GT-12-3081	383208	5288072	18	9	5	1	0.05	1	170	3	2.5	1	70	1	180	3	0.5	1	30	1
GT-12-3082	383108	5288072	13	7	10	2	0.05	1	220	3	2.5	1	163	3	160	3	0.5	1	150	7
GT-12-3083	383007	5288043	9	5	10	2	0.1	2	360	5	2.5	1	259	5	190	3	0.5	1	90	4
GT-12-3084	382920	5287991	3	2	20	4	0.1	2	330	5	2.5	1	213	4	270	5	0.5	1	200	9
GT-12-3085	386204	5287825	10	5	10	2	0.7	14	290	4	2.5	1	133	3	310	5	0.5	1	170	8
GT-12-3086	386158	5287822	4	2	20	4	0.1	2	130	2	2.5	1	129	3	470	8	0.5	1	120	6
GT-12-3087	386058	5287822	15	8	10	2	0.05	1	200	3	2.5	1	261	5	240	4	0.5	1	140	7
GT-12-3088	385998	5287828	1	1	20	4	0.1	2	220	3	2.5	1	261	5	150	3	0.5	1	40	2
GT-12-3089	385808	5288072	6	3	20	4	0.05	1	370	6	2.5	1	151	3	260	4	0.5	1	50	2
GT-12-3090	385908	5288072	5	3	5	1	0.05	1	40	1	2.5	1	130	3	200	3	0.5	1	40	2
GT-12-3091	386008	5288072	21	11	5	1	0.05	1	100	2	2.5	1	191	4	200	3	0.5	1	170	8
GT-12-3092	386108	5288072	12	6	5	1	0.05	1	110	2	2.5	1	86	2	140	2	0.5	1	150	7
GT-12-3093	386208	5288072	14	7	5	1	0.05	1	180	3	2.5	1	234	5	180	3	0.5	1	10	1
GT-12-3094	384258	5288322	9	5	5	1	0.1	2	1380	21	2.5	1	218	4	5	1	0.5	1	80	4
GT-12-3095	384358	5288322	2	1	5	1	0.05	1	280	4	2.5	1	64	1	20	1	0.5	1	30	1
GT-12-3096	384457	5288345	0.5	1	5	1	0.05	1	10	1	2.5	1	158	3	170	3	0.5	1	20	1
GT-12-3097	384558	5288322	0.5	1	20	4	0.05	1	3600	55	87	35	649	13	40	1	0.5	1	240	11
GT-12-3098	384658	5288305	0.5	1	5	1	0.05	1	40	1	2.5	1	109	2	170	3	0.5	1	20	1
GT-12-3099	384758	5288322	5	3	5	1	0.05	1	30	1	2.5	1	103	2	100	2	0.5	1	10	1
GT-12-3100	384878	5288357	4	2	10	2	0.1	2	400	6	2.5	1	134	3	110	2	0.5	1	90	4
GT-12-3101	384878	5288357	3	2	50	10	0.05	1	290	4	2.5	1	105	2	200	3	0.5	1	180	9
GT-12-3102	384996	5288322	7	4	5	1	0.1	2	100	2	2.5	1	27	1	80	1	0.5	1	70	3
GT-12-3103	385058	5288322	11	6	5	1	0.05	1	70	1	2.5	1	206	4	160	3	0.5	1	60	3
GT-12-3104	385158	5288322	0.5	1	5	1	0.05	1	30	1	2.5	1	33	1	100	2	0.5	1	10	1
GT-12-3105	385258	5288322	2	1	10	2	0.2	4	510	8	2.5	1	63	1	380	7	0.5	1	270	13
GT-12-3106	385358	5288322	9	5	10	2	0.1	2	150	2	2.5	1	229	5	130	2	0.5	1	150	7
GT-12-3107	385458	5288322	15	8	5	1	0.05	1	160	2	2.5	1	133	3	130	2	0.5	1	160	8
GT-12-3108	385558	5288322	12	6	5	1	0.05	1	70	1	2.5	1	140	3	160	3	0.5	1	60	3

Analyte Method Detection Units	UTM East	UTM North	Ag MMI-M5 ppb	AgRR	As MMI-M5 ppb	AsRR	Au MMI-M5 ppb	AuRR	Cu MMI-M5 ppb	CuRR	Mo MMI-M5 ppb	MoRR	Ni MMI-M5 ppb	NiRR	Pb MMI-M5 ppb	PbRR	Pd MMI-M5 ppb	PdRR	Zn MMI-M5 ppb	ZnRR
GT-12-3109	385658	5288322	10	5	5	1	0.05	1	80	1	2.5	1	98	2	130	2	0.5	1	530	25
GT-12-3110	385758	5288322	6	3	5	1	0.05	1	170	3	2.5	1	200	4	360	6	0.5	1	140	7
GT-12-3111	384208	5288072	4	2	10	2	0.05	1	400	6	2.5	1	211	4	30	1	0.5	1	540	26
GT-12-3112	384308	5288072	3	2	10	2	0.1	2	400	6	2.5	1	189	4	180	3	0.5	1	1080	51
GT-12-3113	384408	5288072	3	2	20	4	0.05	1	150	2	2.5	1	77	2	180	3	0.5	1	80	4
GT-12-3114	384508	5288072	2	1	5	1	0.05	1	130	2	2.5	1	56	1	250	4	0.5	1	170	8
GT-12-3115	384608	5288072	3	2	5	1	0.2	4	630	10	2.5	1	91	2	80	1	0.5	1	140	7
GT-12-3116	384708	5288072	12	6	5	1	0.05	1	170	3	2.5	1	74	1	100	2	0.5	1	70	3
GT-12-3117	384808	5288072	3	2	30	6	0.1	2	70	1	2.5	1	137	3	160	3	0.5	1	60	3
GT-12-3118	384908	5288072	6	3	5	1	0.05	1	50	1	2.5	1	117	2	180	3	0.5	1	20	1
GT-12-3119	385008	5288072	11	6	10	2	0.05	1	60	1	2.5	1	150	3	140	2	0.5	1	130	6
GT-12-3120	385108	5288072	3	2	40	8	0.05	1	120	2	2.5	1	104	2	200	3	0.5	1	200	9
GT-12-3121	385208	5288072	4	2	10	2	0.05	1	160	2	2.5	1	314	6	170	3	0.5	1	30	1
GT-12-3122	385308	5288072	18	9	5	1	0.1	2	170	3	2.5	1	55	1	250	4	0.5	1	70	3
GT-12-3123	385408	5288072	5	3	5	1	0.05	1	120	2	2.5	1	112	2	300	5	0.5	1	70	3
GT-12-3124	385508	5288072	7	4	5	1	0.4	8	180	3	2.5	1	44	1	110	2	0.5	1	90	4
GT-12-3125	385608	5288072	16	8	5	1	0.1	2	120	2	2.5	1	161	3	200	3	0.5	1	470	22
GT-12-3126	385668	5288079	10	5	5	1	0.05	1	70	1	2.5	1	164	3	90	2	0.5	1	100	5
GT-12-3127	385658	5287902	17	9	20	4	0.3	6	380	6	2.5	1	155	3	190	3	0.5	1	170	8
GT-12-3128	385558	5287910	16	8	10	2	0.2	4	340	5	2.5	1	111	2	100	2	0.5	1	70	3
TH PERCENTILE			3		5		0.05		100		2.5		74		90		0.5		40	
BACKGROUND			1.945455		5		0.05		65.3297		2.5		49.587		58.257		0.5		20.714	



**Appendix 2: Lab Certificates**



## Certificate of Analysis

Work Order: TO124361

To: **Judith Harder**  
Executive Secretary/Accounts Payable  
**Cascadero Copper Corp.**  
590 East Kings Road  
NORTH VANCOUVER  
BC V7N 1J3

Date: Dec 18, 2012

P.O. No. : GARNET  
Project No. : -  
No. Of Samples : 70  
Date Submitted : Nov 28, 2012  
Report Comprises : Pages 1 to 3  
(Inclusive of Cover Sheet)

**Distribution of unused material:**

STORE:

Certified By :

Bruce Robertson  
Operations Manager

**SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>**

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
n.a. = Not applicable -- = No result  
\*INF = Composition of this sample makes detection impossible by this method  
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag@ MMI-M5 1 ppb	As@ MMI-M5 10 ppb	Au@ MMI-M5 0.1 ppb	Cu@ MMI-M5 10 ppb	Mo@ MMI-M5 5 ppb	Ni@ MMI-M5 5 ppb	Pb@ MMI-M5 10 ppb	Pd@ MMI-M5 1 ppb	Zn@ MMI-M5 20 ppb
GT-12-1000	<1	<10	<0.1	210	<5	52	250	<1	150
GT-12-1001	<1	20	<0.1	60	<5	115	100	<1	70
GT-12-1002	7	<10	0.5	130	<5	32	90	<1	20
GT-12-1003	6	<10	<0.1	110	<5	36	140	<1	20
GT-12-1004	13	<10	<0.1	120	<5	74	180	<1	30
GT-12-1005	9	<10	<0.1	90	<5	159	100	<1	<20
GT-12-1006	14	<10	<0.1	140	<5	64	170	<1	<20
GT-12-1007	2	<10	<0.1	490	<5	77	40	<1	110
GT-12-1008	3	<10	0.2	20	<5	28	60	<1	<20
GT-12-1009	4	<10	<0.1	120	<5	194	250	<1	140
GT-12-1010	5	<10	<0.1	130	<5	84	150	<1	50
GT-12-1011	3	<10	0.5	840	<5	107	160	<1	240
GT-12-1012	1	<10	<0.1	60	<5	32	90	<1	150
GT-12-1013	<1	20	<0.1	510	66	157	20	<1	100
GT-12-1014	1	<10	<0.1	770	18	73	30	<1	160
GT-12-1015	1	<10	0.1	600	15	90	<10	<1	200
GT-12-1016	<1	<10	<0.1	150	<5	30	40	<1	<20
GT-12-1017	1	<10	<0.1	100	<5	28	40	<1	<20
GT-12-1018	3	<10	0.1	260	<5	41	160	<1	490
GT-12-1019	5	<10	0.1	130	<5	75	80	<1	<20
GT-12-1020	7	<10	<0.1	80	<5	122	170	<1	30
GT-12-1021	9	<10	<0.1	80	<5	63	160	<1	50
GT-12-1022	9	<10	<0.1	60	<5	57	100	<1	40
GT-12-1023	10	<10	<0.1	150	<5	321	170	<1	90
GT-12-1024	5	<10	<0.1	70	<5	110	240	<1	100
GT-12-1025	4	<10	<0.1	100	<5	73	110	<1	180
GT-12-1026	21	<10	<0.1	220	<5	68	110	<1	30
GT-12-1027	1	<10	<0.1	290	<5	15	<10	<1	60
GT-12-1028	26	<10	<0.1	50	<5	99	170	<1	<20
GT-12-1029	5	<10	<0.1	80	<5	124	160	<1	50
GT-12-1030	3	<10	<0.1	90	<5	78	30	<1	360
GT-12-1031	21	<10	0.2	490	<5	131	110	<1	130
GT-12-1032	7	<10	<0.1	50	<5	67	130	<1	60
GT-12-1033	8	<10	<0.1	110	<5	221	150	<1	<20
GT-12-1034	11	<10	<0.1	110	<5	105	70	<1	30
GT-12-1035	13	<10	0.1	120	<5	120	140	<1	30
GT-12-1036	3	30	<0.1	6690	10	291	40	<1	60
GT-12-1037	3	20	0.1	2900	78	471	30	<1	180
GT-12-1038	5	10	0.1	330	<5	100	100	<1	70
GT-12-1039	12	<10	<0.1	90	<5	157	180	<1	70
GT-12-1040	11	<10	<0.1	300	<5	210	250	<1	60
GT-12-1041	13	<10	<0.1	130	<5	194	150	<1	70
GT-12-1042	3	<10	<0.1	2310	<5	511	250	<1	180

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Element Method Det.Lim. Units	Ag@ MMI-M5 1 ppb	As@ MMI-M5 10 ppb	Au@ MMI-M5 0.1 ppb	Cu@ MMI-M5 10 ppb	Mo@ MMI-M5 5 ppb	Ni@ MMI-M5 5 ppb	Pb@ MMI-M5 10 ppb	Pd@ MMI-M5 1 ppb	Zn@ MMI-M5 20 ppb
GT-12-1043	9	<10	<0.1	190	<5	132	240	<1	110
GT-12-1044	6	<10	<0.1	180	<5	144	200	<1	30
GT-12-1045	17	<10	<0.1	120	<5	92	150	<1	140
GT-12-1046	14	<10	<0.1	120	<5	130	290	<1	100
GT-12-1047	5	<10	0.3	1410	<5	188	110	<1	50
GT-12-1048	6	20	<0.1	160	7	159	110	<1	410
GT-12-1049	13	<10	<0.1	160	<5	215	150	<1	590
GT-12-1050	9	<10	<0.1	410	<5	133	90	<1	730
GT-12-1051	14	<10	<0.1	310	<5	137	230	<1	330
GT-12-1052	13	<10	<0.1	120	<5	197	200	<1	70
GT-12-1053	13	<10	<0.1	440	<5	97	150	<1	<20
GT-12-1054	7	<10	<0.1	90	<5	185	240	<1	80
GT-12-1055	14	<10	<0.1	210	<5	152	250	<1	120
GT-12-1056	2	<10	<0.1	100	<5	59	20	<1	30
GT-12-1057	8	<10	<0.1	140	<5	66	290	<1	80
GT-12-1058	8	<10	<0.1	150	<5	205	130	<1	80
GT-12-1059	20	<10	<0.1	120	<5	120	170	<1	60
GT-12-1060	10	<10	<0.1	160	<5	60	100	<1	30
GT-12-1061	10	<10	0.1	100	<5	50	190	<1	<20
GT-12-1062	13	<10	<0.1	220	<5	176	80	<1	80
GT-12-1063	3	<10	<0.1	160	<5	337	130	<1	80
GT-12-1064	13	<10	<0.1	140	<5	268	190	<1	40
GT-12-1065	3	<10	0.2	160	<5	82	160	<1	100
GT-12-1066	10	<10	<0.1	90	<5	158	220	<1	<20
GT-12-1067	3	<10	<0.1	140	<5	128	110	<1	30
GT-12-1068	4	<10	<0.1	100	<5	81	140	<1	30
GT-12-1069	20	<10	<0.1	220	<5	187	40	<1	<20
*Rep GT-12-1002	8	<10	<0.1	240	<5	27	90	<1	40
*Rep GT-12-1021	10	<10	<0.1	70	<5	63	170	<1	60
*Rep GT-12-1032	8	<10	<0.1	60	<5	68	130	<1	30
*Rep GT-12-1051	11	<10	<0.1	340	<5	124	230	<1	290
*Rep GT-12-1062	13	<10	<0.1	290	<5	197	90	<1	120
*Rep GT-12-1068	3	<10	<0.1	100	<5	68	120	<1	<20
*Std AMIS0169	8	10	0.4	3910	<5	372	100	<1	180
*Std MMISRM18	24	10	7.1	650	29	431	190	11	600
*Bik BLANK	<1	<10	<0.1	<10	<5	<5	<10	<1	<20
*Bik BLANK	<1	<10	<0.1	<10	<5	<5	<10	<1	<20

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## Certificate of Analysis

Work Order: TO124363

To: **Judith Harder**  
Executive Secretary/Accounts Payable  
**Cascadero Copper Corp.**  
590 East Kings Road  
NORTH VANCOUVER  
BC V7N 1J3

Date: Jan 04, 2013

P.O. No. : GARNET  
Project No. : -  
No. Of Samples : 70  
Date Submitted : Dec 17, 2012  
Report Comprises : Pages 1 to 3  
(Inclusive of Cover Sheet)

**Distribution of unused material:**

STORE:

Certified By :

Bruce Robertson  
Operations Manager

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Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
n.a. = Not applicable -- = No result  
\*INF = Composition of this sample makes detection impossible by this method  
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag@ MMI-M5	As@ MMI-M5	Au@ MMI-M5	Cu@ MMI-M5	Mo@ MMI-M5	Ni@ MMI-M5	Pb@ MMI-M5	Pd@ MMI-M5	Zn@ MMI-M5
	1	10	0.1	10	5	5	10	1	20
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
GT-12-1070	13	<10	<0.1	140	<5	196	220	<1	40
GT-12-1071	6	<10	<0.1	60	<5	116	130	<1	<20
GT-12-1072	7	10	<0.1	290	<5	151	110	<1	170
GT-12-1073	8	<10	<0.1	90	<5	82	230	<1	20
GT-12-1074	<1	50	<0.1	300	<5	93	240	<1	210
GT-12-1075	9	10	0.2	80	<5	267	190	<1	20
GT-12-1076	3	<10	<0.1	90	<5	36	70	<1	30
GT-12-1077	1	50	<0.1	1360	23	425	90	<1	210
GT-12-1078	1	50	<0.1	5470	9	191	250	<1	310
GT-12-1079	2	<10	<0.1	370	<5	392	130	<1	40
GT-12-1080	2	40	<0.1	830	8	551	190	<1	840
GT-12-1081	14	<10	<0.1	160	<5	75	160	<1	60
GT-12-1082	6	<10	<0.1	160	<5	19	80	<1	30
GT-12-1083	5	<10	<0.1	180	<5	178	110	<1	90
GT-12-1084	3	<10	<0.1	120	<5	72	110	<1	110
GT-12-1085	2	<10	<0.1	60	<5	18	40	<1	<20
GT-12-1086	5	<10	<0.1	100	<5	18	50	<1	20
GT-12-1087	4	<10	<0.1	100	<5	76	50	<1	20
GT-12-1088	4	10	<0.1	60	7	139	20	<1	<20
GT-12-1089	7	<10	<0.1	100	<5	165	90	<1	<20
GT-12-1090	15	<10	<0.1	120	<5	131	180	<1	40
GT-12-1091	3	<10	<0.1	40	<5	49	110	<1	<20
GT-12-1092	1	<10	0.1	370	<5	33	60	<1	20
GT-12-1093	15	<10	<0.1	240	<5	107	80	<1	<20
GT-12-1094	5	10	<0.1	120	<5	79	90	<1	110
GT-12-1095	3	30	<0.1	620	6	138	50	<1	90
GT-12-1096	4	20	<0.1	70	<5	232	210	<1	40
GT-12-1097	4	10	<0.1	120	<5	49	100	<1	40
GT-12-1098	<1	20	<0.1	170	<5	120	120	<1	140
GT-12-1099	13	20	<0.1	180	<5	290	90	<1	60
GT-12-1100	4	20	0.1	100	<5	92	130	<1	180
GT-12-1101	3	10	<0.1	60	<5	46	60	<1	<20
GT-12-1102	2	<10	<0.1	60	<5	15	40	<1	<20
GT-12-1103	3	<10	0.6	70	<5	40	<10	<1	<20
GT-12-1104	2	10	0.7	110	<5	138	70	<1	<20
GT-12-1105	10	10	<0.1	160	<5	141	130	<1	170
GT-12-1106	<1	<10	<0.1	170	<5	246	110	<1	470
GT-12-1107	2	<10	<0.1	150	<5	65	190	<1	670
GT-12-1108	4	<10	0.2	120	<5	39	60	<1	20
GT-12-1109	<1	20	<0.1	1010	14	271	70	<1	280
GT-12-1110	2	20	<0.1	160	6	147	160	<1	60
GT-12-1111	2	20	0.1	1780	<5	109	180	<1	70
GT-12-1112	6	<10	<0.1	400	<5	244	140	<1	220

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Element Method Det.Lim. Units	Ag@ MMI-M5 1 ppb	As@ MMI-M5 10 ppb	Au@ MMI-M5 0.1 ppb	Cu@ MMI-M5 10 ppb	Mo@ MMI-M5 5 ppb	Ni@ MMI-M5 5 ppb	Pb@ MMI-M5 10 ppb	Pd@ MMI-M5 1 ppb	Zn@ MMI-M5 20 ppb
GT-12-1113	5	<10	<0.1	200	<5	65	210	<1	180
GT-12-1114	3	<10	0.2	<10	<5	53	100	<1	<20
GT-12-1115	14	<10	<0.1	80	<5	94	90	<1	<20
GT-12-1116	3	20	0.3	530	<5	141	70	<1	40
GT-12-1117	3	<10	<0.1	300	<5	56	240	<1	150
GT-12-1118	2	20	0.1	50	<5	124	110	<1	80
GT-12-1119	8	<10	<0.1	80	<5	43	110	<1	<20
GT-12-1120	5	20	0.2	80	<5	72	90	<1	20
GT-12-1121	4	100	0.3	3920	80	457	350	<1	130
GT-12-1122	6	30	<0.1	150	5	192	80	<1	30
GT-12-1123	4	20	<0.1	110	<5	83	70	<1	30
GT-12-1124	5	20	0.1	510	<5	35	50	<1	20
GT-12-1125	3	<10	<0.1	70	<5	95	90	<1	<20
GT-12-1126	8	<10	<0.1	90	<5	113	120	<1	50
GT-12-1127	9	10	<0.1	100	<5	92	120	<1	120
GT-12-1128	11	<10	<0.1	40	7	19	120	<1	<20
GT-12-1129	4	20	<0.1	200	<5	238	530	<1	290
GT-12-1130	18	10	<0.1	230	<5	144	140	<1	100
GT-12-1131	5	10	<0.1	110	<5	171	190	<1	130
GT-12-1132	6	<10	<0.1	90	<5	25	210	<1	30
GT-12-1133	4	<10	0.1	110	<5	66	60	<1	<20
GT-12-1134	<1	10	<0.1	30	<5	43	100	<1	<20
GT-12-1135	11	20	<0.1	110	<5	139	90	<1	50
GT-12-1136	1	<10	0.1	150	<5	22	40	<1	40
GT-12-1137	9	<10	<0.1	260	<5	135	120	<1	60
GT-12-1138	4	20	<0.1	100	<5	106	60	<1	30
GT-12-1139	4	20	<0.1	660	<5	155	20	<1	<20
*Rep GT-12-1070	12	<10	0.1	140	<5	193	210	<1	40
*Rep GT-12-1088	3	10	<0.1	60	6	133	20	<1	<20
*Rep GT-12-1106	<1	<10	<0.1	160	<5	247	110	<1	440
*Rep GT-12-1111	2	10	0.2	2190	<5	150	170	<1	70
*Rep GT-12-1131	6	10	<0.1	130	<5	184	230	<1	200
*Rep GT-12-1136	1	10	<0.1	150	<5	26	40	<1	40
*Std AMIS0169	8	<10	0.4	3550	<5	406	100	<1	190
*Std MMISRM18	23	10	8.1	760	28	511	280	11	630
*Bik BLANK	<1	<10	<0.1	<10	<5	<5	<10	<1	<20
*Bik BLANK	<1	<10	<0.1	<10	<5	<5	<10	<1	<20

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## Certificate of Analysis

Work Order: TO124364

To: **Judith Harder**  
Executive Secretary/Accounts Payable  
**Cascadero Copper Corp.**  
590 East Kings Road  
NORTH VANCOUVER  
BC V7N 1J3

Date: Dec 12, 2012

P.O. No. : GARNET  
Project No. : -  
No. Of Samples : 70  
Date Submitted : Nov 28, 2012  
Report Comprises : Pages 1 to 3  
(Inclusive of Cover Sheet)

**Distribution of unused material:**

STORE:

Certified By :

Bruce Robertson  
Operations Manager

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Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
n.a. = Not applicable -- = No result  
\*INF = Composition of this sample makes detection impossible by this method  
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag@ MMI-M5 1 ppb	As@ MMI-M5 10 ppb	Au@ MMI-M5 0.1 ppb	Cu@ MMI-M5 10 ppb	Mo@ MMI-M5 5 ppb	Ni@ MMI-M5 5 ppb	Pb@ MMI-M5 10 ppb	Pd@ MMI-M5 1 ppb	Zn@ MMI-M5 20 ppb
GT-12-1140	<1	20	0.2	240	<5	111	160	<1	140
GT-12-1141	2	<10	0.1	900	<5	67	100	<1	110
GT-12-1142	4	10	<0.1	410	<5	156	290	<1	650
GT-12-1143	5	<10	0.1	200	<5	128	190	<1	90
GT-12-1144	5	10	<0.1	60	<5	199	40	<1	80
GT-12-2000	7	<10	<0.1	110	<5	69	80	<1	40
GT-12-2001	11	<10	<0.1	140	<5	165	220	<1	520
GT-12-2002	6	<10	<0.1	70	<5	110	90	<1	60
GT-12-2003	3	<10	<0.1	120	<5	55	100	<1	40
GT-12-2004	7	<10	<0.1	120	<5	81	110	<1	360
GT-12-2005	13	<10	<0.1	130	<5	87	100	<1	60
GT-12-2006	4	<10	0.1	220	<5	154	210	<1	130
GT-12-2007	1	30	0.2	250	<5	133	200	<1	50
GT-12-2008	2	10	<0.1	250	<5	280	240	<1	250
GT-12-2009	4	20	0.3	2200	<5	199	170	<1	190
GT-12-2010	13	<10	<0.1	170	<5	130	170	<1	40
GT-12-2011	7	<10	<0.1	90	<5	69	120	<1	100
GT-12-2012	10	<10	<0.1	180	<5	155	160	<1	170
GT-12-2013	11	<10	<0.1	180	<5	58	110	<1	40
GT-12-2014	6	10	<0.1	140	<5	131	100	<1	160
GT-12-2015	5	<10	<0.1	320	<5	47	90	<1	70
GT-12-2016	7	<10	<0.1	140	<5	60	70	<1	40
GT-12-2017	4	10	<0.1	60	<5	99	190	<1	<20
GT-12-2018	2	<10	<0.1	60	<5	134	80	<1	30
GT-12-2019	2	10	<0.1	60	<5	88	130	<1	40
GT-12-2020	3	10	<0.1	60	<5	208	210	<1	70
GT-12-2021	5	20	<0.1	130	<5	130	120	<1	170
GT-12-2022	8	<10	<0.1	70	<5	75	110	<1	40
GT-12-2023	13	<10	<0.1	130	<5	51	90	<1	40
GT-12-2024	2	<10	0.1	220	<5	22	30	<1	160
GT-12-2025	6	110	2.4	720	<5	118	70	<1	180
GT-12-2026	4	<10	<0.1	290	<5	207	320	<1	60
GT-12-2027	5	10	<0.1	190	<5	176	200	<1	50
GT-12-2028	7	10	<0.1	120	<5	168	120	<1	80
GT-12-2029	11	10	<0.1	190	<5	167	130	<1	70
GT-12-2030	5	<10	0.2	370	<5	25	40	<1	70
GT-12-2031	2	<10	0.3	260	<5	14	100	<1	20
GT-12-2032	4	<10	0.4	180	<5	29	40	<1	30
GT-12-2033	9	<10	0.1	120	<5	63	100	<1	80
GT-12-2034	7	10	<0.1	140	<5	132	80	<1	60
GT-12-2035	12	<10	<0.1	140	<5	102	110	<1	40
GT-12-2036	8	<10	<0.1	150	<5	235	130	<1	120
GT-12-2037	3	<10	<0.1	90	<5	45	80	<1	20

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Element Method Det.Lim. Units	Ag@ MMI-M5 1 ppb	As@ MMI-M5 10 ppb	Au@ MMI-M5 0.1 ppb	Cu@ MMI-M5 10 ppb	Mo@ MMI-M5 5 ppb	Ni@ MMI-M5 5 ppb	Pb@ MMI-M5 10 ppb	Pd@ MMI-M5 1 ppb	Zn@ MMI-M5 20 ppb
GT-12-2038	16	<10	<0.1	200	<5	93	120	<1	50
GT-12-2039	6	<10	<0.1	110	<5	234	130	<1	310
GT-12-2040	3	20	<0.1	390	<5	209	150	<1	610
GT-12-2041	7	<10	<0.1	160	<5	114	90	<1	80
GT-12-2042	15	<10	<0.1	270	<5	66	110	<1	50
GT-12-2043	7	<10	0.2	120	<5	62	80	<1	40
GT-12-2044	8	<10	<0.1	130	<5	160	150	<1	50
GT-12-2045	<1	20	0.1	40	<5	118	150	<1	70
GT-12-2046	2	20	<0.1	70	<5	106	130	<1	40
GT-12-2047	2	10	<0.1	60	<5	88	50	<1	30
GT-12-2048	1	10	<0.1	50	<5	138	30	<1	30
GT-12-2049	2	20	0.1	60	<5	93	80	<1	70
GT-12-2050	1	20	<0.1	50	6	69	50	<1	60
GT-12-2051	10	20	0.1	410	<5	294	100	<1	190
GT-12-2052	3	10	<0.1	170	<5	113	90	<1	<20
GT-12-2053	14	30	0.3	180	<5	211	120	<1	360
GT-12-2054	24	10	0.1	120	<5	123	150	<1	50
GT-12-2055	12	20	0.1	380	<5	150	190	<1	120
GT-12-2056	3	<10	<0.1	140	<5	167	130	<1	30
GT-12-2057	<1	10	<0.1	1450	<5	94	50	<1	100
GT-12-2058	7	10	0.2	380	<5	65	70	<1	40
GT-12-2059	7	30	<0.1	240	<5	312	300	<1	130
GT-12-2060	18	10	<0.1	180	<5	227	140	<1	70
GT-12-2061	18	<10	<0.1	50	<5	79	190	<1	40
GT-12-2062	9	<10	0.6	620	<5	56	240	<1	40
GT-12-2063	17	<10	0.1	180	<5	102	210	<1	30
GT-12-2064	21	<10	<0.1	190	<5	120	120	<1	100
*Rep GT-12-2004	7	<10	<0.1	100	<5	74	100	<1	340
*Rep GT-12-2008	2	10	<0.1	250	<5	327	270	<1	260
*Rep GT-12-2024	2	<10	0.1	210	<5	20	30	<1	90
*Rep GT-12-2045	<1	20	<0.1	40	<5	116	150	<1	60
*Rep GT-12-2057	<1	<10	0.1	1580	<5	95	50	<1	90
*Rep GT-12-2062	8	<10	0.1	640	<5	52	240	<1	40
*Std AMIS0169	8	10	0.4	3640	<5	407	100	<1	200
*Std MMISRM18	20	<10	6.4	560	26	348	190	8	410
*Bik BLANK	<1	<10	<0.1	<10	<5	<5	<10	<1	<20
*Bik BLANK	<1	<10	<0.1	<10	<5	<5	<10	<1	<20

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## Certificate of Analysis

Work Order: TO124366

To: **Judith Harder**  
Executive Secretary/Accounts Payable  
**Cascadero Copper Corp.**  
590 East Kings Road  
NORTH VANCOUVER  
BC V7N 1J3

Date: Dec 10, 2012

P.O. No. : GARNET  
Project No. : -  
No. Of Samples : 71  
Date Submitted : Nov 28, 2012  
Report Comprises : Pages 1 to 3  
(Inclusive of Cover Sheet)

**Distribution of unused material:**

STORE:

Certified By :

Bruce Robertson  
Operations Manager

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Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
n.a. = Not applicable -- = No result  
\*INF = Composition of this sample makes detection impossible by this method  
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag@ MMI-M5	As@ MMI-M5	Au@ MMI-M5	Cu@ MMI-M5	Mo@ MMI-M5	Ni@ MMI-M5	Pb@ MMI-M5	Pd@ MMI-M5	Zn@ MMI-M5
	1	10	0.1	10	5	5	10	1	20
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
GT-12-2065	18	<10	0.2	150	<5	40	70	<1	50
GT-12-2066	10	<10	<0.1	60	<5	117	70	<1	40
GT-12-2067	17	<10	<0.1	110	<5	137	160	<1	50
GT-12-2068	18	<10	<0.1	150	<5	71	120	<1	340
GT-12-2069	2	<10	<0.1	250	<5	88	80	<1	60
GT-12-2070	8	<10	<0.1	90	<5	104	170	<1	60
GT-12-2071	2	20	0.2	90	<5	37	110	<1	20
GT-12-2072	6	10	<0.1	80	<5	91	80	<1	70
GT-12-2073	10	<10	<0.1	130	<5	195	200	<1	30
GT-12-2074	1	20	0.2	80	<5	69	100	<1	30
GT-12-2075	10	<10	0.3	1930	<5	166	70	<1	30
GT-12-2076	<1	10	0.4	980	<5	205	10	<1	<20
GT-12-2077	3	10	0.2	760	<5	223	190	<1	60
GT-12-2078	5	<10	<0.1	170	<5	123	250	<1	70
GT-12-2079	4	10	<0.1	290	5	235	20	<1	100
GT-12-2080	3	<10	<0.1	310	<5	157	50	<1	240
GT-12-2081	7	<10	<0.1	190	<5	109	140	<1	60
GT-12-2082	10	<10	<0.1	180	<5	224	240	<1	120
GT-12-2083	12	<10	<0.1	450	<5	92	520	<1	190
GT-12-2084	12	<10	<0.1	130	<5	50	250	<1	270
GT-12-2085	10	<10	<0.1	240	<5	169	200	<1	140
GT-12-2086	5	<10	<0.1	230	<5	116	130	<1	570
GT-12-2087	3	<10	<0.1	310	<5	103	160	<1	30
GT-12-2088	6	<10	<0.1	130	<5	107	170	<1	750
GT-12-2089	6	20	0.5	4860	<5	55	5520	<1	14900
GT-12-2090	2	<10	<0.1	420	<5	42	150	<1	150
GT-12-2091	7	10	<0.1	170	7	99	120	<1	250
GT-12-2092	7	<10	<0.1	150	<5	119	140	<1	90
GT-12-2093	7	<10	0.5	1070	<5	73	40	<1	100
GT-12-2094	11	<10	<0.1	100	<5	125	350	<1	540
GT-12-2095	16	<10	<0.1	80	<5	122	130	<1	50
GT-12-2096	12	<10	<0.1	280	<5	138	130	<1	30
GT-12-2097	11	<10	<0.1	340	<5	124	160	<1	150
GT-12-2098	14	<10	<0.1	350	<5	457	740	<1	190
GT-12-2099	20	<10	<0.1	180	6	118	140	<1	90
GT-12-2100	16	<10	0.1	170	<5	162	100	<1	50
GT-12-2101	13	10	<0.1	230	<5	213	50	<1	40
GT-12-2102	3	<10	<0.1	220	<5	122	280	<1	250
GT-12-2103	5	<10	0.1	1260	6	97	120	<1	40
GT-12-2104	12	<10	<0.1	200	<5	214	190	<1	40
GT-12-2105	7	<10	<0.1	360	<5	49	60	<1	270
GT-12-2106	20	<10	<0.1	230	<5	76	150	<1	50
GT-12-2107	15	<10	<0.1	210	<5	83	120	<1	60

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Element Method Det.Lim. Units	Ag@ MMI-M5 1 ppb	As@ MMI-M5 10 ppb	Au@ MMI-M5 0.1 ppb	Cu@ MMI-M5 10 ppb	Mo@ MMI-M5 5 ppb	Ni@ MMI-M5 5 ppb	Pb@ MMI-M5 10 ppb	Pd@ MMI-M5 1 ppb	Zn@ MMI-M5 20 ppb
GT-12-2108	3	10	<0.1	770	7	171	70	<1	60
GT-12-2109	9	10	<0.1	140	6	68	230	<1	60
GT-12-2110	4	<10	<0.1	360	<5	166	140	<1	80
GT-12-2111	7	<10	<0.1	50	<5	80	70	<1	40
GT-12-2112	3	<10	<0.1	50	<5	79	160	<1	2090
GT-12-2113	5	<10	<0.1	120	10	33	80	<1	30
GT-12-2114	6	<10	<0.1	100	<5	42	40	<1	40
GT-12-2115	12	<10	0.1	360	<5	88	80	<1	30
GT-12-2116	2	30	<0.1	90	7	113	180	<1	90
GT-12-2117	10	<10	<0.1	130	<5	26	130	<1	30
GT-12-2118	12	<10	<0.1	50	6	131	70	<1	30
GT-12-2119	14	<10	0.2	4650	<5	497	60	<1	80
GT-12-2120	<1	<10	<0.1	710	6	113	120	<1	140
GT-12-2121	<1	10	<0.1	620	5	223	20	<1	80
GT-12-2122	22	<10	<0.1	190	<5	90	110	<1	30
GT-12-2123	4	<10	<0.1	430	<5	144	60	<1	40
GT-12-2124	4	<10	<0.1	230	<5	155	280	<1	520
GT-12-2125	2	10	<0.1	370	<5	113	230	<1	70
GT-12-2126	4	10	<0.1	120	5	98	190	<1	40
GT-12-2127	16	<10	<0.1	80	<5	129	160	<1	40
GT-12-2128	24	<10	<0.1	140	<5	200	210	<1	30
GT-12-2129	12	<10	<0.1	70	<5	73	210	<1	30
GT-12-2130	5	20	<0.1	120	6	86	170	<1	60
GT-12-2131	22	<10	<0.1	230	<5	31	200	<1	70
GT-12-2132	2	20	<0.1	140	<5	122	110	<1	100
GT-12-2133	2	<10	0.1	730	<5	38	10	<1	30
GT-12-2134	1	40	<0.1	1190	23	231	40	<1	410
GT-12-2135	6	10	<0.1	120	<5	151	130	<1	40
*Rep GT-12-2075	10	<10	0.2	2020	<5	170	90	<1	30
*Rep GT-12-2080	5	10	<0.1	290	<5	161	40	<1	170
*Rep GT-12-2103	3	10	<0.1	1320	6	103	110	<1	30
*Rep GT-12-2115	10	<10	<0.1	340	<5	133	110	<1	60
*Rep GT-12-2123	4	<10	<0.1	360	<5	141	120	<1	50
*Rep GT-12-2130	5	20	<0.1	110	<5	91	150	<1	60
*Std AMIS0169	7	<10	0.4	3130	<5	318	80	<1	160
*Std MMISRM18	23	20	8.1	590	30	386	180	11	450
*Bik BLANK	<1	<10	<0.1	<10	<5	<5	<10	<1	<20
*Bik BLANK	<1	<10	<0.1	10	<5	<5	<10	<1	<20

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## Certificate of Analysis

Work Order: TO124367

To: **Judith Harder**  
Executive Secretary/Accounts Payable  
**Cascadero Copper Corp.**  
590 East Kings Road  
NORTH VANCOUVER  
BC V7N 1J3

Date: Dec 10, 2012

P.O. No. : GARNET  
Project No. : -  
No. Of Samples : 70  
Date Submitted : Nov 28, 2012  
Report Comprises : Pages 1 to 3  
(Inclusive of Cover Sheet)

**Distribution of unused material:**

STORE:

Certified By :

Bruce Robertson  
Operations Manager

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Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
n.a. = Not applicable -- = No result  
\*INF = Composition of this sample makes detection impossible by this method  
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag@ MMI-M5 1 ppb	As@ MMI-M5 10 ppb	Au@ MMI-M5 0.1 ppb	Cu@ MMI-M5 10 ppb	Mo@ MMI-M5 5 ppb	Ni@ MMI-M5 5 ppb	Pb@ MMI-M5 10 ppb	Pd@ MMI-M5 1 ppb	Zn@ MMI-M5 20 ppb
GT-12-3000	25	<10	<0.1	140	<5	49	130	<1	30
GT-12-3001	15	<10	0.1	110	<5	56	120	<1	20
GT-12-3002	15	<10	<0.1	160	<5	71	90	<1	40
GT-12-3003	30	10	0.1	140	<5	69	130	<1	40
GT-12-3004	7	<10	<0.1	140	<5	118	100	<1	200
GT-12-3005	12	10	<0.1	150	<5	64	220	<1	150
GT-12-3006	24	<10	<0.1	130	<5	68	120	<1	60
GT-12-3007	5	20	<0.1	140	<5	162	280	<1	290
GT-12-3008	5	10	<0.1	420	<5	242	120	<1	110
GT-12-3009	5	30	0.1	590	7	83	170	<1	60
GT-12-3010	26	20	<0.1	220	<5	169	240	<1	60
GT-12-3011	5	10	<0.1	1070	6	183	130	<1	400
GT-12-3012	8	<10	<0.1	120	<5	148	70	<1	50
GT-12-3013	13	<10	<0.1	240	<5	140	230	<1	60
GT-12-3014	15	<10	<0.1	70	<5	131	220	<1	40
GT-12-3015	12	<10	<0.1	180	<5	78	150	<1	40
GT-12-3016	11	10	<0.1	250	<5	248	160	<1	130
GT-12-3017	12	20	<0.1	150	<5	222	170	<1	70
GT-12-3018	22	<10	<0.1	150	<5	126	150	<1	230
GT-12-3019	9	<10	<0.1	120	<5	141	150	<1	400
GT-12-3020	8	20	<0.1	140	<5	91	120	<1	160
GT-12-3021	11	20	<0.1	130	<5	168	180	<1	650
GT-12-3022	15	10	<0.1	210	<5	152	290	<1	710
GT-12-3023	26	<10	<0.1	110	<5	105	150	<1	150
GT-12-3024	22	10	<0.1	100	<5	170	140	<1	110
GT-12-3025	32	<10	0.1	200	<5	33	130	<1	50
GT-12-3026	20	<10	<0.1	440	5	127	80	<1	280
GT-12-3027	1	20	<0.1	40	<5	51	180	<1	80
GT-12-3028	3	20	<0.1	230	<5	110	290	<1	510
GT-12-3029	5	30	<0.1	370	<5	110	190	<1	170
GT-12-3030	6	<10	<0.1	320	<5	66	30	<1	70
GT-12-3031	7	10	<0.1	180	<5	214	190	<1	100
GT-12-3032	3	40	0.1	250	<5	102	2890	<1	70
GT-12-3033	19	<10	<0.1	70	<5	202	200	<1	40
GT-12-3034	22	30	0.1	370	5	173	140	<1	110
GT-12-3035	22	<10	<0.1	160	<5	126	190	<1	60
GT-12-3036	10	10	0.7	80	<5	129	150	<1	60
GT-12-3037	5	10	<0.1	80	<5	74	100	<1	340
GT-12-3038	12	<10	<0.1	110	<5	149	190	<1	90
GT-12-3039	11	<10	<0.1	100	<5	165	150	<1	70
GT-12-3040	22	<10	<0.1	80	<5	212	190	<1	40
GT-12-3041	4	30	<0.1	270	<5	457	1570	<1	1210
GT-12-3042	5	10	<0.1	110	<5	172	110	<1	70

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Element Method Det.Lim. Units	Ag@ MMI-M5 1 ppb	As@ MMI-M5 10 ppb	Au@ MMI-M5 0.1 ppb	Cu@ MMI-M5 10 ppb	Mo@ MMI-M5 5 ppb	Ni@ MMI-M5 5 ppb	Pb@ MMI-M5 10 ppb	Pd@ MMI-M5 1 ppb	Zn@ MMI-M5 20 ppb
GT-12-3043	<1	10	0.2	1190	<5	75	150	<1	30
GT-12-3044	7	<10	0.6	1100	<5	30	50	<1	<20
GT-12-3045	5	10	<0.1	320	<5	350	460	<1	440
GT-12-3046	27	<10	<0.1	330	<5	210	170	<1	80
GT-12-3047	4	<10	<0.1	630	<5	213	290	<1	370
GT-12-3048	8	10	<0.1	620	<5	272	260	<1	490
GT-12-3049	15	<10	<0.1	80	<5	198	240	<1	130
GT-12-3050	4	20	<0.1	140	<5	158	150	<1	1480
GT-12-3051	8	10	<0.1	60	<5	223	160	<1	100
GT-12-3052	4	70	<0.1	340	<5	199	200	<1	510
GT-12-3053	4	30	<0.1	310	<5	308	310	<1	1100
GT-12-3054	16	<10	<0.1	230	<5	69	190	<1	110
GT-12-3055	13	10	0.3	730	<5	90	140	<1	40
GT-12-3056	7	<10	<0.1	100	<5	235	280	<1	50
GT-12-3057	29	<10	<0.1	120	<5	192	150	<1	280
GT-12-3058	25	<10	<0.1	140	<5	78	140	<1	40
GT-12-3059	6	10	<0.1	340	<5	212	150	<1	610
GT-12-3060	19	<10	<0.1	180	<5	122	180	<1	70
GT-12-3061	2	10	0.1	240	<5	12	150	<1	30
GT-12-3062	7	<10	<0.1	190	<5	178	340	<1	40
GT-12-3063	12	<10	<0.1	50	<5	247	130	<1	30
GT-12-3064	14	10	<0.1	70	<5	143	130	<1	30
GT-12-3065	8	20	<0.1	290	<5	257	190	<1	100
GT-12-3066	12	<10	0.2	1020	<5	134	20	<1	40
GT-12-3067	11	<10	<0.1	60	<5	222	210	<1	30
GT-12-3068	7	<10	<0.1	100	<5	141	180	<1	130
GT-12-3069	16	<10	<0.1	90	<5	56	130	<1	100
*Rep GT-12-3005	13	10	<0.1	140	<5	64	210	<1	170
*Rep GT-12-3017	11	20	<0.1	140	<5	224	170	<1	110
*Rep GT-12-3027	<1	20	<0.1	40	<5	37	180	<1	60
*Rep GT-12-3045	4	10	<0.1	290	<5	344	490	<1	510
*Rep GT-12-3061	2	<10	0.1	240	<5	12	150	<1	30
*Rep GT-12-3069	15	<10	<0.1	90	<5	68	140	<1	50
*Std AMIS0169	9	10	0.5	3610	<5	369	100	<1	190
*Std MMISRM18	24	10	8.1	600	27	374	180	11	520
*Bik BLANK	<1	<10	<0.1	<10	<5	<5	<10	<1	<20
*Bik BLANK	<1	<10	<0.1	<10	<5	<5	<10	<1	<20

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## Certificate of Analysis

Work Order: TO124368

To: **Judith Harder**  
Executive Secretary/Accounts Payable  
**Cascadero Copper Corp.**  
590 East Kings Road  
NORTH VANCOUVER  
BC V7N 1J3

Date: Dec 10, 2012

P.O. No. : GARNET  
Project No. : -  
No. Of Samples : 59  
Date Submitted : Nov 28, 2012  
Report Comprises : Pages 1 to 3  
(Inclusive of Cover Sheet)

**Distribution of unused material:**

STORE:

Certified By :

Bruce Robertson  
Operations Manager

**SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>**

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
n.a. = Not applicable -- = No result  
\*INF = Composition of this sample makes detection impossible by this method  
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag@ MMI-M5 1 ppb	As@ MMI-M5 10 ppb	Au@ MMI-M5 0.1 ppb	Cu@ MMI-M5 10 ppb	Mo@ MMI-M5 5 ppb	Ni@ MMI-M5 5 ppb	Pb@ MMI-M5 10 ppb	Pd@ MMI-M5 1 ppb	Zn@ MMI-M5 20 ppb
GT-12-3070	12	<10	<0.1	140	<5	185	100	<1	90
GT-12-3071	6	<10	0.3	5160	<5	359	70	<1	150
GT-12-3072	14	<10	<0.1	170	<5	297	170	<1	40
GT-12-3073	7	20	0.1	150	<5	129	150	<1	100
GT-12-3074	9	<10	<0.1	100	<5	190	240	<1	70
GT-12-3075	2	<10	0.1	160	<5	104	260	<1	100
GT-12-3076	16	<10	<0.1	270	<5	102	290	<1	100
GT-12-3077	5	<10	<0.1	90	<5	193	210	<1	200
GT-12-3078	1	20	<0.1	280	<5	184	50	<1	70
GT-12-3079	6	<10	<0.1	60	<5	48	160	<1	40
GT-12-3080	4	20	0.2	60	<5	92	110	<1	70
GT-12-3081	18	<10	<0.1	170	<5	70	180	<1	30
GT-12-3082	13	10	<0.1	220	<5	163	160	<1	150
GT-12-3083	9	10	0.1	360	<5	259	190	<1	90
GT-12-3084	3	20	0.1	330	<5	213	270	<1	200
GT-12-3085	10	10	0.7	290	<5	133	310	<1	170
GT-12-3086	4	20	0.1	130	<5	129	470	<1	120
GT-12-3087	15	10	<0.1	200	<5	261	240	<1	140
GT-12-3088	1	20	0.1	220	<5	261	150	<1	40
GT-12-3089	6	20	<0.1	370	<5	151	260	<1	50
GT-12-3090	5	<10	<0.1	40	<5	130	200	<1	40
GT-12-3091	21	<10	<0.1	100	<5	191	200	<1	170
GT-12-3092	12	<10	<0.1	110	<5	86	140	<1	150
GT-12-3093	14	<10	<0.1	180	<5	234	180	<1	<20
GT-12-3094	9	<10	0.1	1380	<5	218	<10	<1	80
GT-12-3095	2	<10	<0.1	280	<5	64	20	<1	30
GT-12-3096	<1	<10	<0.1	10	<5	158	170	<1	20
GT-12-3097	<1	20	<0.1	3600	87	649	40	<1	240
GT-12-3098	<1	<10	<0.1	40	<5	109	170	<1	20
GT-12-3099	5	<10	<0.1	30	<5	103	100	<1	<20
GT-12-3100	4	10	0.1	400	<5	134	110	<1	90
GT-12-3101	3	50	<0.1	290	<5	105	200	<1	180
GT-12-3102	7	<10	0.1	100	<5	27	80	<1	70
GT-12-3103	11	<10	<0.1	70	<5	206	160	<1	60
GT-12-3104	<1	<10	<0.1	30	<5	33	100	<1	<20
GT-12-3105	2	10	0.2	510	<5	63	380	<1	270
GT-12-3106	9	10	0.1	150	<5	229	130	<1	150
GT-12-3107	15	<10	<0.1	160	<5	133	130	<1	160
GT-12-3108	12	<10	<0.1	70	<5	140	160	<1	60
GT-12-3109	10	<10	<0.1	80	<5	98	130	<1	530
GT-12-3110	6	<10	<0.1	170	<5	200	360	<1	140
GT-12-3111	4	10	<0.1	400	<5	211	30	<1	540
GT-12-3112	3	10	0.1	400	<5	189	180	<1	1080

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GT-12-3113	3	20	<0.1	150	<5	77	180	<1	80
GT-12-3114	2	<10	<0.1	130	<5	56	250	<1	170
GT-12-3115	3	<10	0.2	630	<5	91	80	<1	140
GT-12-3116	12	<10	<0.1	170	<5	74	100	<1	70
GT-12-3117	3	30	0.1	70	<5	137	160	<1	60
GT-12-3118	6	<10	<0.1	50	<5	117	180	<1	20
GT-12-3119	11	10	<0.1	60	<5	150	140	<1	130
GT-12-3120	3	40	<0.1	120	<5	104	200	<1	200
GT-12-3121	4	10	<0.1	160	<5	314	170	<1	30
GT-12-3122	18	<10	0.1	170	<5	55	250	<1	70
GT-12-3123	5	<10	<0.1	120	<5	112	300	<1	70
GT-12-3124	7	<10	0.4	180	<5	44	110	<1	90
GT-12-3125	16	<10	0.1	120	<5	161	200	<1	470
GT-12-3126	10	<10	<0.1	70	<5	164	90	<1	100
GT-12-3127	17	20	0.3	380	<5	155	190	<1	170
GT-12-3128	16	10	0.2	340	<5	111	100	<1	70
*Rep GT-12-3081	17	<10	<0.1	150	<5	77	170	<1	30
*Rep GT-12-3093	13	<10	<0.1	170	<5	232	190	<1	30
*Rep GT-12-3106	8	20	<0.1	230	<5	211	90	<1	180
*Rep GT-12-3115	3	<10	0.1	510	<5	85	160	<1	200
*Rep GT-12-3127	16	10	0.2	330	<5	154	180	<1	190
*Std AMIS0169	8	10	0.4	3380	<5	397	80	<1	180
*Std MMISRM18	20	10	8.2	570	23	402	150	10	440
*Bik BLANK	<1	<10	<0.1	<10	<5	<5	<10	<1	<20
*Bik BLANK	<1	<10	<0.1	<10	<5	<5	<10	<1	<20

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