

ASSESSMENT REPORT
On the
HAX PROJECT

Whitehorse Mining District, Yukon

Work Performed 26th of June and 3th of July 2013

Location: 1. 10km NE of Carcross, Yukon
 2. NTS Map Area 105 D 02 and 105 D 07
 3. Latitude: 60° 15' N
 Longitude: 134° 40'W

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Date of Report 4.12.2013

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Appendix B:	Rock Sample Location and Assay Data

1.0 SUMMARY

A total of 6man-days were spent on the Hax Claims. At the end of June and early July, Pika Exploration collected 68 soil samples and 5 rock samples along three ridgelines. The results are encouraging, and the highlight is the extension of a Pb, Zn, Ag and Cu soil anomaly.

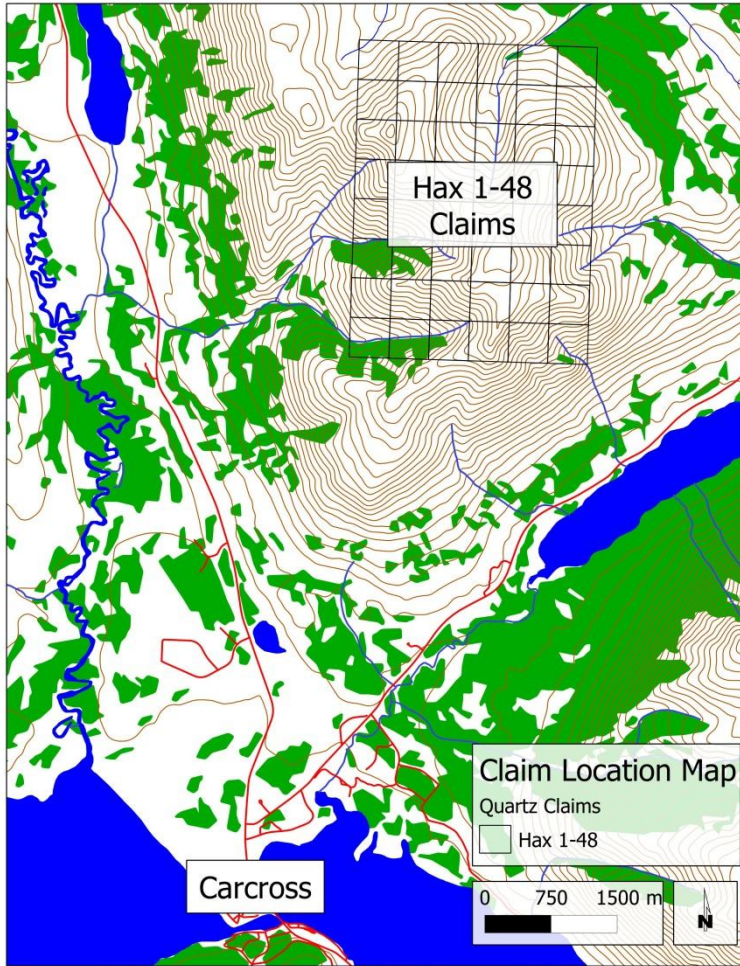
2.0 INTRODUCTION

The report summarizes the results of the 2013 exploration program carried out by Pika Exploration Inc. to follow up on exploration results by Pika Exploration from 2011 and 2012. The program was carried out between the June 26th and July 3th. The fieldwork consisted of the collection of 68 soil samples and 5 rock samples.



Photo 1: View looking southwest from Caribou Mountain

3.0 Project Location



The project is located approximately 10km northeast of Carcross on map sheet 105D02 and 105D07.

Figure 1: Location map

4.0 Access

The target area was accessed by foot from the Tagish Road. For further work, a helicopter could be used with Carcross as the staging area.

5.0 Geology

The Hax claims are under laid by rocks belonging to the Labarge group, a sedimentary unit consisting of a poorly sorted, medium bedded to massive sandstone, and minor shale and limestone. In the Cretaceous, the Carcross Pluton, described as quartz monzonite, biotite quartz-rich granite, intruded the earlier sediments (Figure 2). The area is cut by several NW trending faults (Gordey 2005). The area has been glaciated, but rock and soil material is believed to be local or from colluvium origins (Bond 2005).

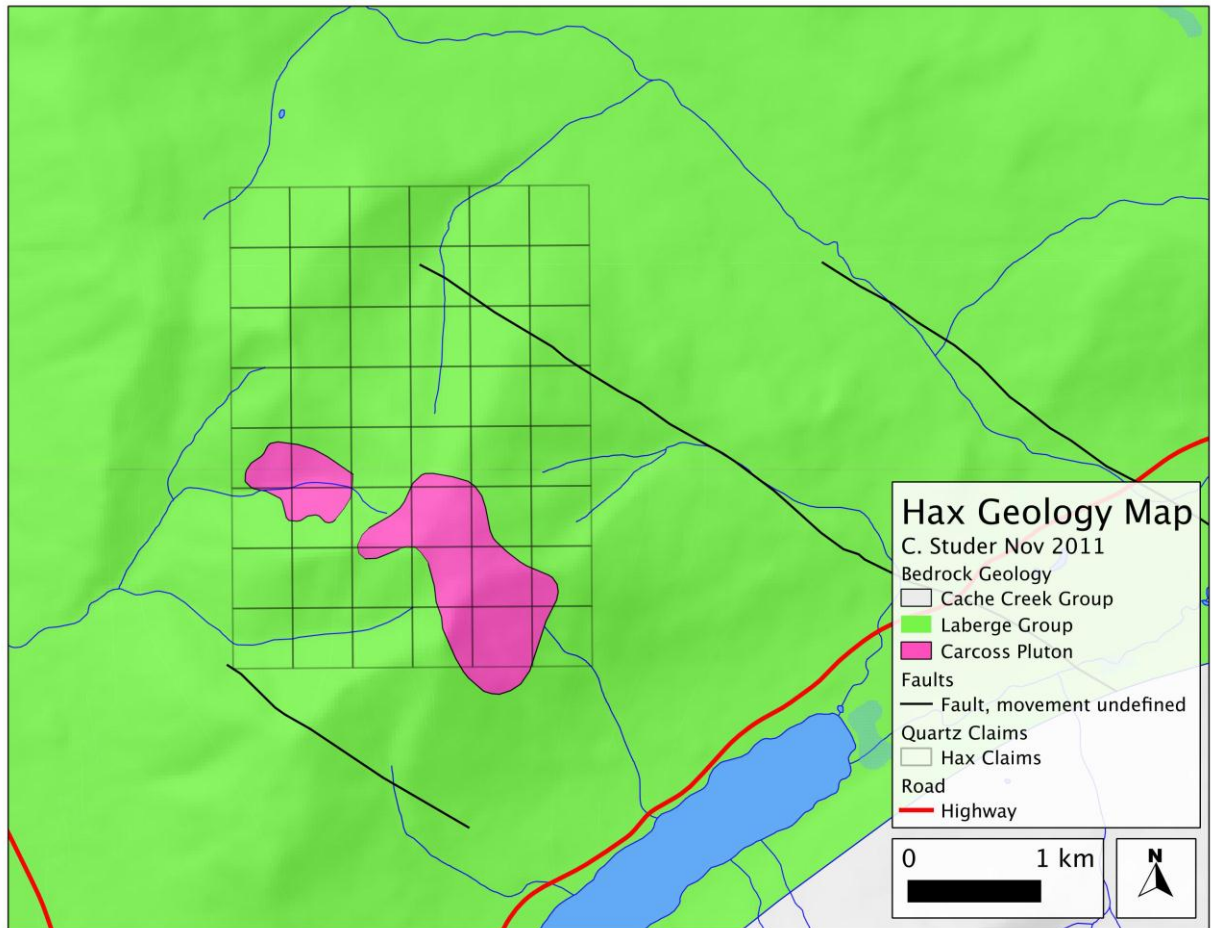


Figure 2: Geological map

6.0 Work performed

In late June and early July, 6 man-days were spent collecting 68 soil samples and 5 rock samples on the central part of the claim block. The samples target the contact between the intrusive rocks and the sediments.

6.1 Soil sampling

Three ridges were sampled at 50m sample spacing (see figure 3 for 2013 sample location). An existing Zn, Pb, Ag and Cu soil sample anomaly has been significantly extended along a new ridge to the west. Several other, smaller anomalies have been found. (see figure 4 to 9)

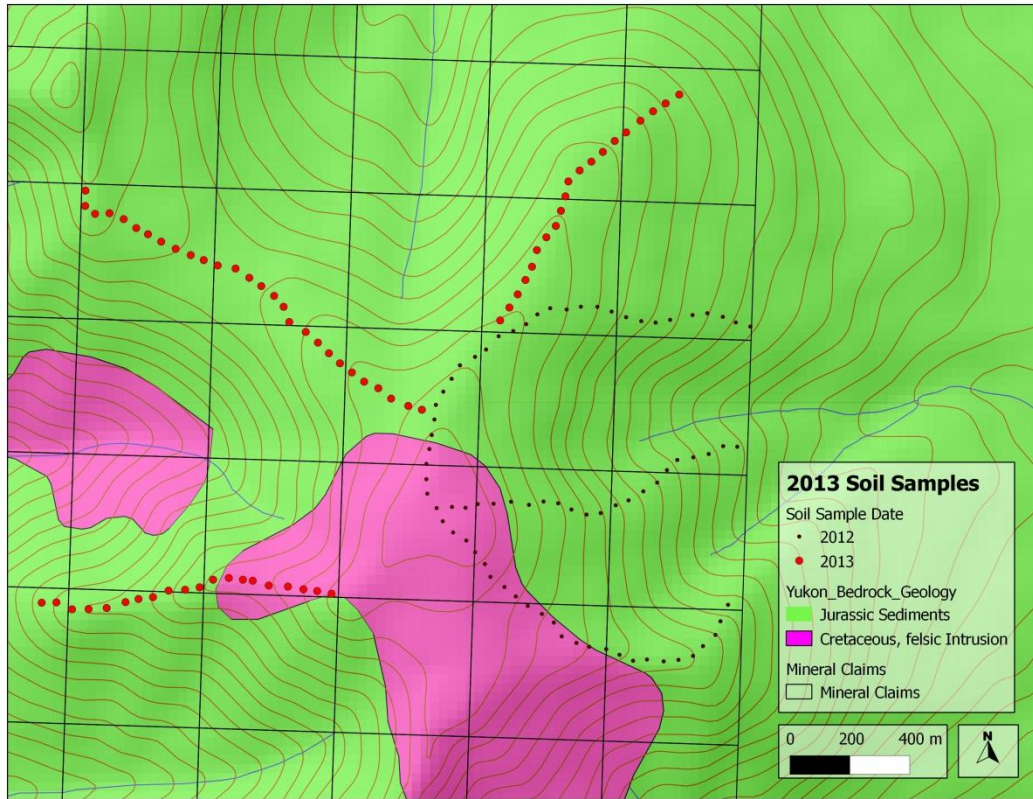


Figure 3: 2013 Soil Samples Location

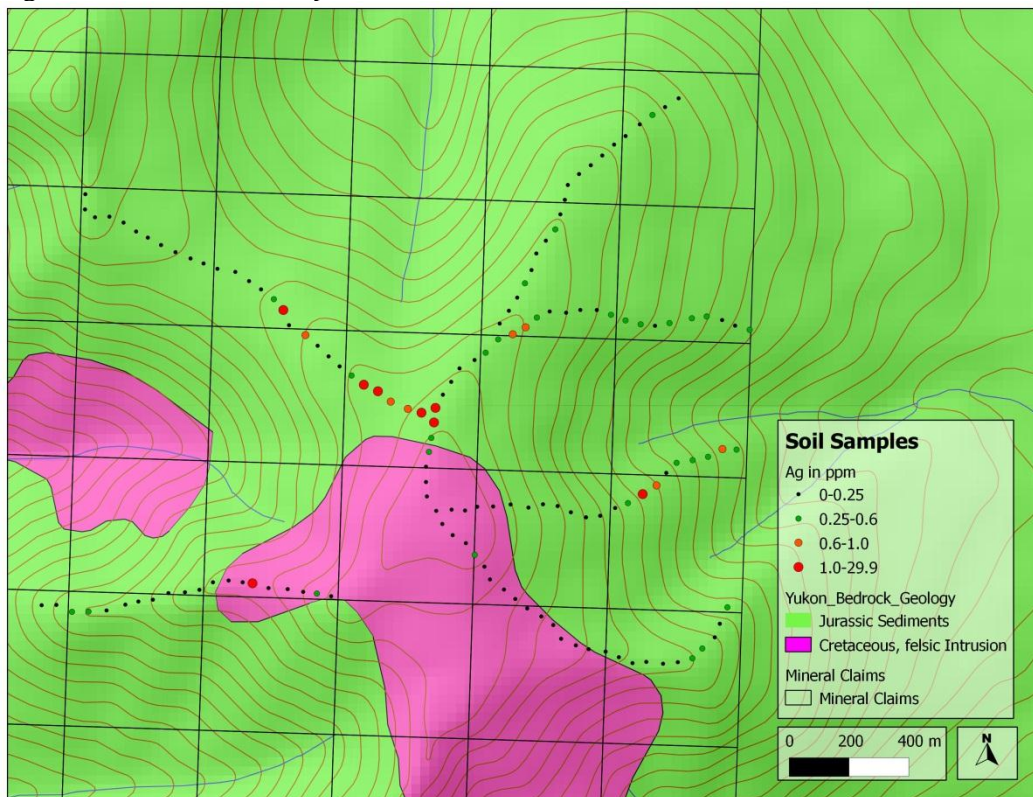


Figure 4: Ag in Soil

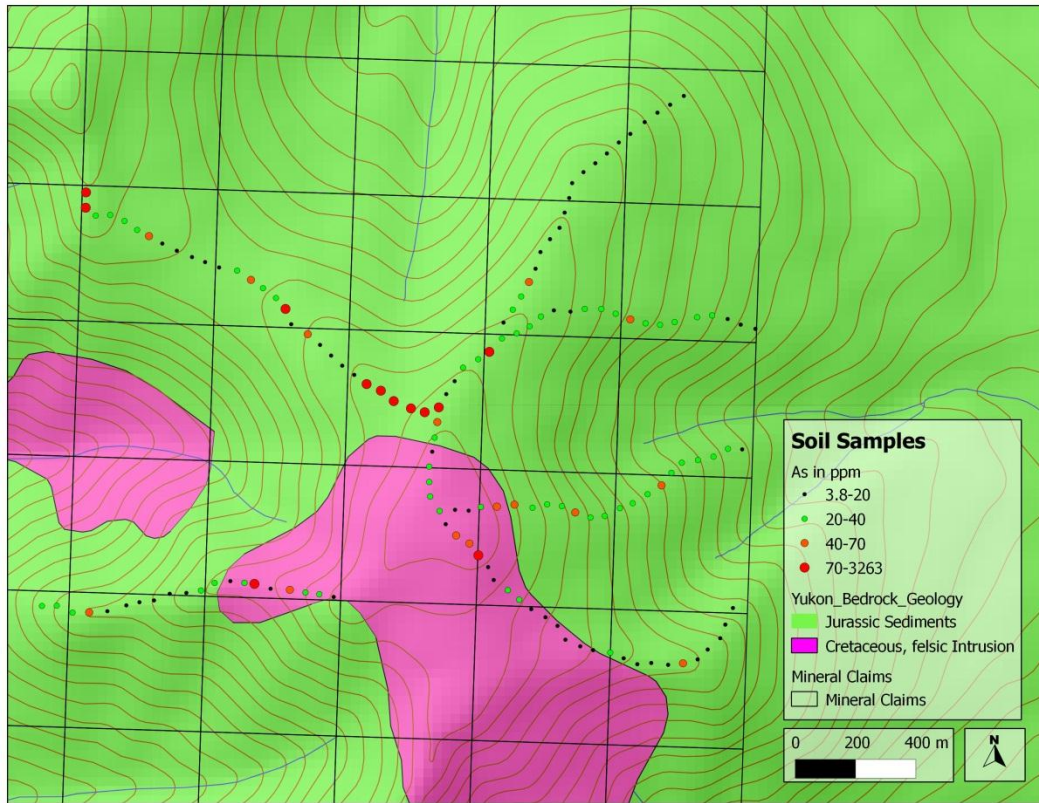


Figure 5: As in Soil

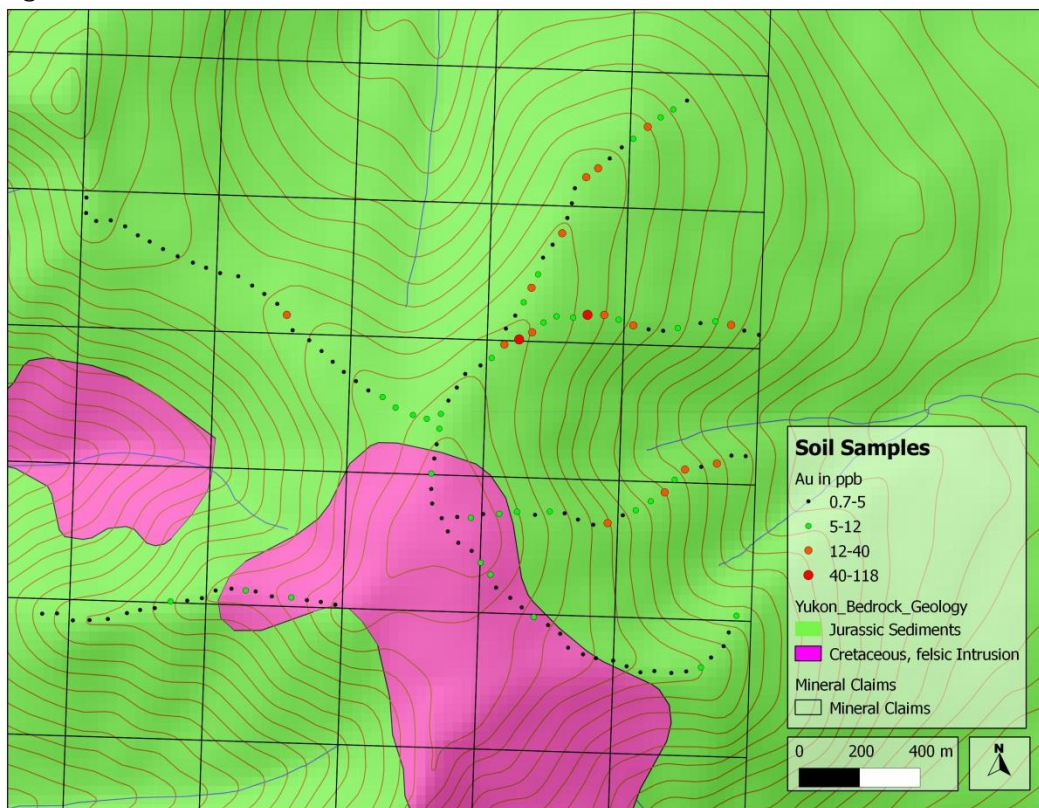


Figure 6: Au in Soil

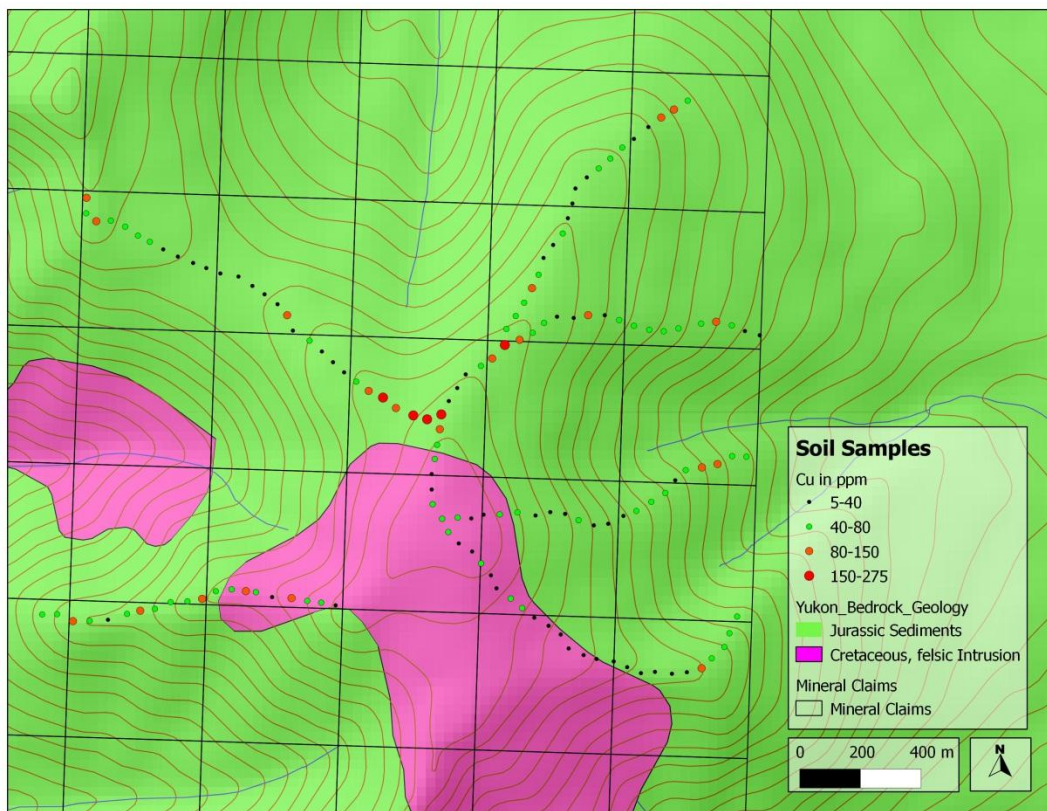


Figure 7: Cu in Soil

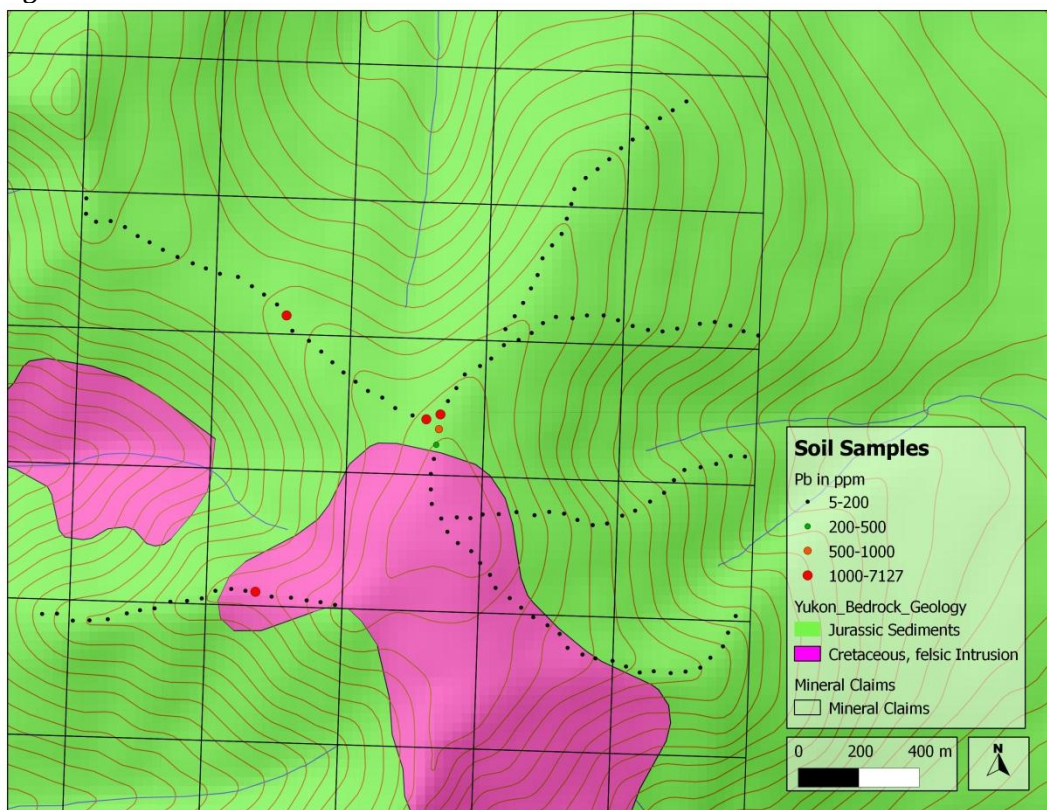


Figure 8: Pb in Soil

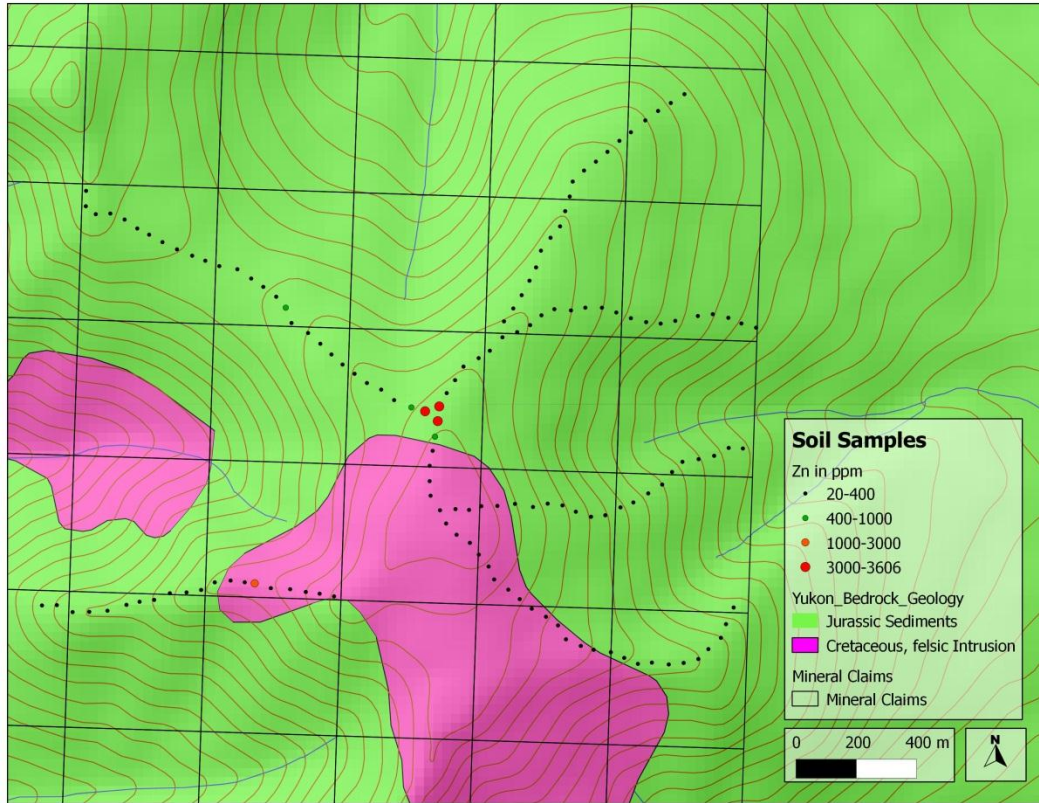


Figure 9: Zn in Soil

6.1.1 Soil sample preparation

All soil samples were collected using a shovel. All recovered material was placed on a plastic bag and ca. 500g of the deepest material was placed in a well-marked Kraft paper bag. A piece of pink flagging tape was used to mark the sample location. An aluminum tag with the sample number written on was attached on the flagging tape.

All soil samples were air-dried in Carcross and send to the ACME laboratory in Whitehorse. The laboratory screened the samples to -180micron and assayed for 37 elements using an ICP-MS method with a 15g charge.

6.2 Prospecting

5 rock samples were collected during the program. One 5cm scale quartz vein (Sample Nr. 1391401) with visible Malachite staining returned 0.16% Cu, 0.94%Pb, 0.62% Zn and 39 g/t Ag.

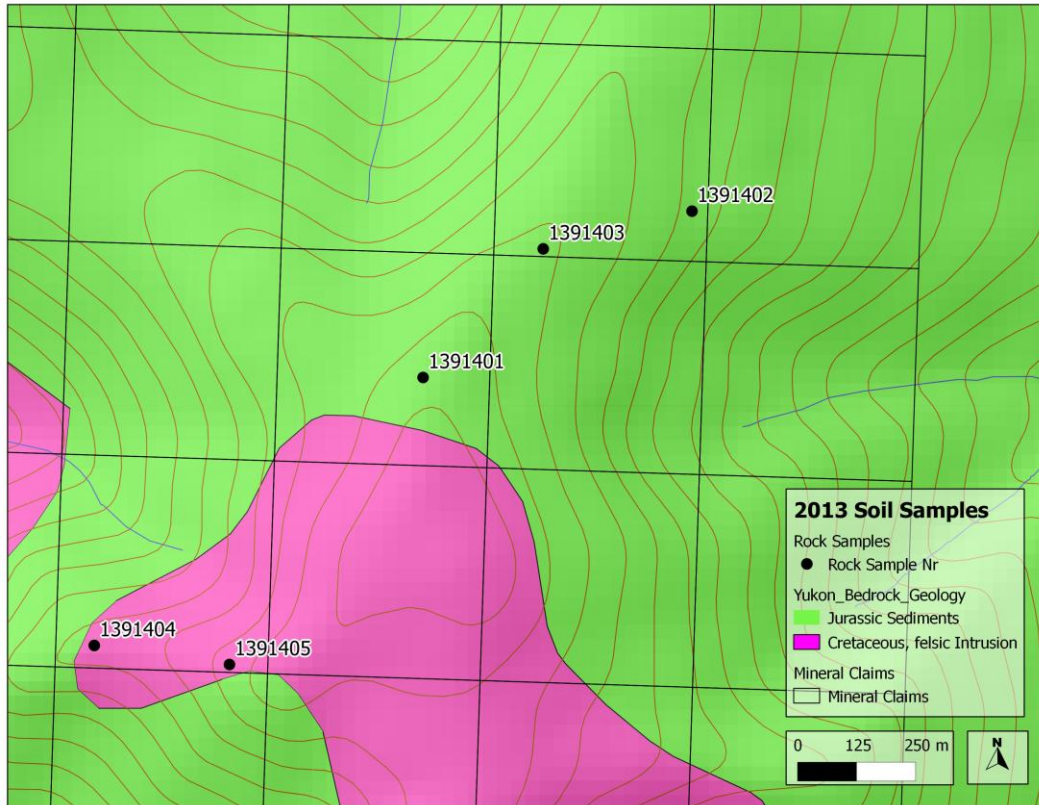


Figure 10: Rock Sample Location

6.2.1 Rock sample preparation

All rock samples were placed in a sample bag with the sample number written on and a sample tag from a sample book was placed inside the bag. Approximately 2kg of rock was collected per sample. A hand specimen from the same rock was also labeled and kept for reference. The sample site was marked with flagging tape marked with the same sample number and attached to a similar rock as the sample. If possible, some flagging tape was attached to a tree as well.

All rock samples were sent to ACME laboratories in Whitehorse and assayed for 37 elements using an ICP-MS method. All rock samples were also assayed for gold by fire assay.

7.0 Interpretation

The anomalous soil samples indicate the presence of mineralized system on the Hax claims. A rock sample collected in 2011 suggests the presences of a skarn. The geochemical signature of the 2013 soil samples supports this idea. It is, however, early in the exploration process and further work is needed to confirm this hypothesis.

8.0 Recommendation

The positive results from this year's exploration program are encouraging and further work is recommended.

- Additional soil sampling along the ridges is recommended to follow up on several other untested stream sediment anomalies from the 2011 exploration program. It is also recommended to take soil samples across the margins of the Carcross Pluton in the contact zone with
- Prospecting and geological mapping should be carried out on the whole property with focus on the known soil anomalies.

9.0 Statement of costs

Field technician	6 days @ \$330 per day	\$1,980.00
Daily field expenses	6 days @ \$100 per day	\$600.00
Soil sample assay		\$1,809.26
Rock sample assay		\$250.23
Truck rental	3 days @ \$50 per day	\$150.00
Report writing		\$500.00
Total		\$5,289.49

10.0 Qualification

I, Crispin Studer, have worked in the exploration industry since 2007 as an employee for several exploration companies in the Yukon. I have done several different jobs from soil and stream sediment sampling programs to prospecting. Since 2011 I own and operate Pika Exploration Inc., a company specialized in the collection of geochemical samples.

11.0 References

YUKON GEOLOGICAL SURVEY, 1985, GSC OPEN FILE 1218

BOND, J.D., MORISON, S. AND MCKENNA, K. SURFICIAL GEOLOGY OF ROBINSON (1:50 000 SCALE). YUKON GEOLOGICAL SURVEY, GEOSCIENCES MAP 2005-5.

BOND, J.D., MORISON, S. AND MCKENNA, K. SURFICIAL GEOLOGY OF CARCROSS(1:50 000 SCALE). YUKON GEOLOGICAL SURVEY, GEOSCIENCES MAP 2005-2.

GORDEY, S.P. (COMP), 2008, BEDROCK GEOLOGY, WHITEHORSE (105D), GEOLOGICAL SURVEY OF CANADA, OPEN FILE 5640, SCALE 1:250 000.

STUDER, CRISPIN, ASSESSMENT REPORT ON THE HAX PROJECT 2012

Appendix A

Soil Sample Location, Description and Assay Data

SampleNo	SampleDate	Sampler	Project	Elevation	Easting	Northing	ProjDatum	Sample Type	Colour	Rock %	Texture	Terrain
1274776	29/06/2013	C Studer	Hax	1835.6	519228	6678236	UTMZ8N NAD83	Colluvium	Brown	30-50%	Silt	Gentle
1274777	29/06/2013	C Studer	Hax	1837.3	519248	6678281	UTMZ8N NAD83	Colluvium	Brown	10-30%	Silt	Gentle
1274778	29/06/2013	C Studer	Hax	1830.1	519262	6678337	UTMZ8N NAD83	Colluvium	Brown	10-30%	Silt	Gentle
1274779	29/06/2013	C Studer	Hax	1821.3	519292	6678381	UTMZ8N NAD83	Colluvium	Brown	<10%	Silt	Gentle
1274780	29/06/2013	C Studer	Hax	1814.5	519322	6678420	UTMZ8N NAD83	Colluvium	Brown	10-30%	Clay	Gentle
1274781	29/06/2013	C Studer	Hax	1805.3	519337	6678471	UTMZ8N NAD83	Colluvium	Grey	10-30%	Clay	Gentle
1274782	29/06/2013	C Studer	Hax	1799.5	519350	6678520	UTMZ8N NAD83	Colluvium	Brown	30-50%	Silt	Gentle
1274783	29/06/2013	C Studer	Hax	1800.6	519358	6678570	UTMZ8N NAD83	Colluvium	Brown	30-50%	Silt	Gentle
1274792	25/06/2013	C Studer	Hax	1848.5	518704	6677876	UTMZ8N NAD83	Colluvium	Brown	50-70%	Sand	Flat
1274793	25/06/2013	C Studer	Hax	1841.7	518662	6677905	UTMZ8N NAD83	Colluvium	Brown	10-30%	Sand	Flat
1274794	25/06/2013	C Studer	Hax	1848.3	518621	6677934	UTMZ8N NAD83	Colluvium	Brown	10-30%	Silt	Flat
1274795	25/06/2013	C Studer	Hax	1850	518583	6677966	UTMZ8N NAD83	Colluvium	Brown	10-30%	Silt	Flat
1274796	25/06/2013	C Studer	Hax	1824.2	518545	6678000	UTMZ8N NAD83	Colluvium	Brown	10-30%	Silt	Moderate
1274797	25/06/2013	C Studer	Hax	1814.9	518503	6678034	UTMZ8N NAD83	Colluvium	Brown	10-30%	Silt	Moderate
1274798	25/06/2013	C Studer	Hax	1794.5	518447	6678065	UTMZ8N NAD83	Colluvium	Brown	10-30%	Silt	Moderate
1274799	25/06/2013	C Studer	Hax	1784.5	518426	6678115	UTMZ8N NAD83	Colluvium	Brown	30-50%	Silt	Gentle
1274800	25/06/2013	C Studer	Hax	1774.4	518393	6678150	UTMZ8N NAD83	Colluvium	Brown	>70%	Silt	Moderate
1394428	29/06/2013	C Studer	Hax	1658.8	519716	6678874	UTMZ8N NAD83	Colluvium	Brown	30-50%	Silt	Steep
1394429	29/06/2013	C Studer	Hax	1790.9	519394	6678608	UTMZ8N NAD83	Colluvium	Brown	10-30%	Silt	Moderate
1394430	29/06/2013	C Studer	Hax	1782.4	519432	6678639	UTMZ8N NAD83	Colluvium	Brown	30-50%	Silt	Moderate
1394431	29/06/2013	C Studer	Hax	1773.7	519469	6678673	UTMZ8N NAD83	Colluvium	Brown	10-30%		Moderate
1394432	29/06/2013	C Studer	Hax	1765.1	519507	6678711	UTMZ8N NAD83	Colluvium	Grey	10-30%	Silt	Moderate
1394433	29/06/2013	C Studer	Hax	1751.6	519544	6678741	UTMZ8N NAD83	Colluvium	Brown	30-50%	Silt	Steep
1394434	29/06/2013	C Studer	Hax	1730.1	519590	6678782	UTMZ8N NAD83	Colluvium	Brown	30-50%	Silt	Steep
1394435	29/06/2013	C Studer	Hax	1709.8	519631	6678815	UTMZ8N NAD83	Colluvium	Brown	50-70%	Silt	Steep
1394436	29/06/2013	C Studer	Hax	1683.7	519672	6678843	UTMZ8N NAD83	Colluvium	Brown	30-50%	Silt	Steep
1394438	02/07/2013	C Studer	Hax	1601.3	517659	6677097	UTMZ8N NAD83	Colluvium	Brown	>70%	Silt	Steep
1394439	02/07/2013	C Studer	Hax	1630.7	517708	6677100	UTMZ8N NAD83	Colluvium	Brown	>70%	Silt	Steep
1394440	02/07/2013	C Studer	Hax	1661.7	517761	6677079	UTMZ8N NAD83	Bedrock	Brown	10-30%	Silt	Moderate
1394441	02/07/2013	C Studer	Hax	1663.8	517816	6677082	UTMZ8N NAD83	Bedrock	Brown	10-30%	Silt	Gentle
1394442	02/07/2013	C Studer	Hax	1672	517876	6677088	UTMZ8N NAD83	Bedrock	Brown	10-30%	Silt	Flat
1394443	02/07/2013	C Studer	Hax	1685.2	517938	6677110	UTMZ8N NAD83	Bedrock	Brown	10-30%	Silt	Gentle
1394444	02/07/2013	C Studer	Hax	1690.6	517981	6677122	UTMZ8N NAD83	Bedrock	Brown	10-30%	Silt	Moderate
1394445	02/07/2013	C Studer	Hax	1712.3	518029	6677130	UTMZ8N NAD83	Bedrock	Brown	10-30%	Silt	Moderate

SampleNo	SampleDate	Sampler	Project	Elevation	Easting	Northing	ProjDatum	Sample Type	Colour	Rock %	Texture	Terrain
1394446	02/07/2013	C Studer	Hax	1755.3	518080	6677154	UTMZ8N NAD83	Bedrock	Brown	<10%	Silt	Moderate
1394447	02/07/2013	C Studer	Hax	1776	518135	6677159	UTMZ8N NAD83	Bedrock	Brown	10-30%	Silt	Moderate
1394448	02/07/2013	C Studer	Hax	1796.7	518183	6677169	UTMZ8N NAD83	Bedrock	Brown	30-50%	Silt	Moderate
1394449	02/07/2013	C Studer	Hax	1792.6	518227	6677196	UTMZ8N NAD83	Bedrock	Brown	10-30%	Silt	Moderate
1394450	02/07/2013	C Studer	Hax	1789.8	518279	6677204	UTMZ8N NAD83	Bedrock	Brown	10-30%	Silt	Gentle
1527177	25/06/2013	C Studer	Hax	1760.7	518349	6678181	UTMZ8N NAD83	Colluvium	Brown	30-50%	Silt	Moderate
1527178	25/06/2013	C Studer	Hax	1755.8	518308	6678207	UTMZ8N NAD83	Colluvium	Grey	30-50%	Silt	Gentle
1527179	25/06/2013	C Studer	Hax	1745.1	518261	6678236	UTMZ8N NAD83	Colluvium	Grey	30-50%	Silt	Gentle
1527180	25/06/2013	C Studer	Hax	1753.4	518201	6678244	UTMZ8N NAD83	Colluvium	Brown	>70%	Silt	Gentle
1527181	25/06/2013	C Studer	Hax	1760.9	518154	6678260	UTMZ8N NAD83	Colluvium	Grey	30-50%	Clay	Gentle
1527182	25/06/2013	C Studer	Hax	1768.3	518110	6678275	UTMZ8N NAD83	Colluvium	Grey	10-30%	Clay	Gentle
1527183	25/06/2013	C Studer	Hax	1769	518059	6678294	UTMZ8N NAD83	Colluvium	Brown	10-30%	Clay	Gentle
1527184	25/06/2013	C Studer	Hax	1773.5	518010	6678316	UTMZ8N NAD83	Colluvium	Grey	10-30%	Clay	Gentle
1527185	25/06/2013	C Studer	Hax	1773.2	517965	6678339	UTMZ8N NAD83	Colluvium	Brown	10-30%	Clay	Gentle
1527186	25/06/2013	C Studer	Hax	1780.3	517925	6678358	UTMZ8N NAD83	Colluvium	Brown	10-30%	Clay	Gentle
1527187	25/06/2013	C Studer	Hax	1796.9	517882	6678386	UTMZ8N NAD83	Colluvium	Brown	30-50%	Silt	Moderate
1527188	25/06/2013	C Studer	Hax	1813.3	517834	6678404	UTMZ8N NAD83	Colluvium	Brown	30-50%	Silt	Moderate
1527189	25/06/2013	C Studer	Hax	1827.2	517786	6678400	UTMZ8N NAD83	Colluvium	Brown	30-50%	Silt	Steep
1527190	25/06/2013	C Studer	Hax	1844.4	517752	6678425	UTMZ8N NAD83	Colluvium	Brown	30-50%	Silt	Moderate
1527191	25/06/2013	C Studer	Hax	1854.2	517751	6678476	UTMZ8N NAD83	Colluvium	Brown	50-70%	Silt	Moderate
1527193	29/06/2013	C Studer	Hax	1855.5	519149	6678098	UTMZ8N NAD83	Colluvium	Brown	<10%	Silt	Gentle
1527194	29/06/2013	C Studer	Hax	1851.3	519178	6678142	UTMZ8N NAD83	Colluvium	Brown	10-30%	Silt	Gentle
1527195	29/06/2013	C Studer	Hax	1847.3	519204	6678187	UTMZ8N NAD83	Colluvium	Brown	10-30%	Silt	Gentle
1527477	02/07/2013	C Studer	Hax	1798.3	518326	6677200	UTMZ8N NAD83	Bedrock	Brown	10-30%	Silt	Moderate
1527478	02/07/2013	C Studer	Hax	1806.8	518359	6677198	UTMZ8N NAD83	Bedrock	Orange	10-30%	Silt	Moderate
1527479	02/07/2013	C Studer	Hax	1828.9	518413	6677184	UTMZ8N NAD83	Bedrock	Brown	<10%	Silt	Moderate
1527480	02/07/2013	C Studer	Hax	1855.8	518477	6677183	UTMZ8N NAD83	Bedrock	Brown	10-30%	Silt	Steep
1527481	02/07/2013	C Studer	Hax	1875	518529	6677176	UTMZ8N NAD83	Bedrock	Brown	10-30%	Silt	Moderate
1527482	02/07/2013	C Studer	Hax	1898.6	518575	6677172	UTMZ8N NAD83	Bedrock	Brown	10-30%	Silt	Steep
1527483	02/07/2013	C Studer	Hax	1926.4	518623	6677165	UTMZ8N NAD83	Bedrock	Brown	10-30%	Silt	Steep
1527979	25/06/2013	C Studer	Hax	1904.9	518900	6677790	UTMZ8N NAD83	Colluvium	Brown	10-30%	Silt	Moderate
1527980	25/06/2013	C Studer	Hax	1885.8	518854	6677801	UTMZ8N NAD83	Colluvium	Brown	10-30%	Silt	Moderate
1527981	25/06/2013	C Studer	Hax	1865	518796	6677823	UTMZ8N NAD83	Colluvium	Brown	30-50%	Silt	Moderate
1527982	25/06/2013	C Studer	Hax	1850.4	518752	6677856	UTMZ8N NAD83	Colluvium	Brown	10-30%	Silt	Gentle

SampleNo	Slope Aspect	Horizon	Depth	Moisture	Quality	Clast Shape	Comments	Mo	Cu	Pb	Zn	Ag
								PPM	PPM	PPM	PPM	PPM
1274776	NE	B	30	Damp	Good	Angular		0.6	131.7	35.3	124	0.4
1274777	NE	B	30	Damp	Good	Angular		0.5	47.1	16.5	60	0.1
1274778	NE	B	30	Damp	Good	Angular		0.6	17.7	10.4	42	0.1
1274779	NE	B	20	Damp	Excellent	Angular		0.3	17.2	9.1	47	0.1
1274780	NE	B	20	Damp	Good	Angular		0.2	48.6	14.7	81	0.3
1274781	NE	C	20	Moist	Excellent	Angular		0.4	26.7	8.6	46	0.1
1274782	NE	B	30	Damp	Good	Angular		0.4	28.7	9.4	47	0.1
1274783	NE	B	20	Dry	Good	Sub Angular		0.6	8.3	6.4	29	0.1
1274792	NW	B	20	Damp	Good	Angular		0.9	124.2	40.3	100	1.2
1274793	NW	B	40	Moist	Good	Sub Angular		0.9	50.1	31.6	111	0.4
1274794	NW	B	20	Damp	Good	Angular		0.5	17.6	11	51	0.1
1274795	NW	B	20	Damp	Good	Sub Angular		0.6	30	15.5	77	0.1
1274796	NW	B	30	Damp	Good	Sub Angular		2.4	26.1	33.4	138	0.2
1274797	NW	B	30	Damp	Good	Sub Angular		1.1	74.1	36	170	0.8
1274798	NW	B	30	Damp	Good	Sub Angular	on sheep trail	0.8	19.3	12.1	53	0.1
1274799	NW	B	30	Damp	Good	Sub Angular		3	112.2	1521	440	29.9
1274800	NW	B	30	Dry	Fair	Angular	some orange soil mixed in	2.6	29.5	26.8	66	0.4
1394428	NE	B	30	Damp	Good	Angular	20m below outcrop.	0.7	60.8	11	52	0.1
1394429	NE	B	20	Dry	Good	Angular	intrusion	0.5	13.6	9.4	44	0.1
1394430	NE	B	20	Moist	Good	Angular		0.3	54	8.4	52	0.1
1394431	NE	B	30	Damp	Good	Angular	intrusion ended 40m back.	0.5	43.3	7.3	39	0.1
1394432	NE	C	30	Damp	Excellent	Angular		0.5	42.8	7.3	41	0.1
1394433	NE	B	20	Damp	Good	Angular		0.6	33.9	8	45	0.1
1394434	NE	B	40	Dry	Good	Angular		0.5	34.7	10.3	56	0.1
1394435	NE	B	30	Damp	Good	Angular		0.5	81.1	12.8	65	0.3
1394436	NE	B	30	Dry	Good	Angular		1.1	81.9	10.8	51	0.2
1394438	W	B	30	Dry	Fair	Angular		0.5	59.9	20.3	80	0.2
1394439	N	B	30	Dry	Fair	Angular		1	67.7	23.5	80	0.1
1394440	W	B	30	Damp	Good	Angular		2	98.1	41.3	61	0.4
1394441	W	B	20	Dry	Fair	Angular	riche in orange soil	1.4	53.6	33.4	145	0.3
1394442	W	B	10	Dry	Good	Angular		1.3	36.9	20.4	57	0.1
1394443	W	B	30	Dry	Good	Angular		1.4	47.1	17.7	89	0.1
1394444	W	B	20	Dry	Good	Angular		2.2	89	16.5	71	0.1
1394445	W	B	10	Dry	Good	Angular		3.3	65.7	15.2	82	0.2

SampleNo	Slope Aspect	Horizon	Depth	Moisture	Quality	Clast Shape	Comments	Mo	Cu	Pb	Zn	Ag
								PPM	PPM	PPM	PPM	PPM
1394446	W	B	20	Dry	Excellent	Angular		2.7	75.6	13.2	56	0.1
1394447	W	B	10	Dry	Good	Angular		1.2	61.7	10.4	111	0.2
1394448	W	B	10	Dry	Good	Angular		1.3	93.8	12.2	101	0.2
1394449	W	B	20	Dry	Good	Angular		2.3	74	13.7	133	0.1
1394450	W	B	10	Dry	Good	Angular		0.8	50.9	24.9	90	0.1
1527177	NW	B	20	Damp	Good	Angular		2	27.1	26.5	86	0.1
1527178	NW	C	30	Damp	Excellent	Angular	close to canyon	0.9	27.5	33.6	119	0.2
1527179	S	C	30	Damp	Excellent	Angular		0.6	22.3	20.8	71	0.2
1527180	E	B	20	Dry	Good	Sub Angular		1.2	10.4	10.6	37	0.1
1527181	E	C	20	Wet	Excellent	Sub Angular		0.8	21.6	16.8	62	0.1
1527182	E	C	30	Damp	Excellent	Angular		0.7	30.9	19.5	85	0.1
1527183	E	B	20	Wet	Excellent	Sub Angular	contact intrusion / sediments?	0.7	26.3	10	53	0.1
1527184	E	C	30	Damp	Excellent	Sub Angular		0.7	22.3	7.2	40	0.1
1527185	E	B	30	Wet	Good	Angular		1.8	56.4	13.5	60	0.1
1527186	E	B	30	Moist	Good	Sub Angular		1.9	54.5	13.5	67	0.1
1527187	E	B	20	Damp	Good	Angular		1.8	49.4	12.4	56	0.1
1527188	E	B	10	Dry	Fair	Sub Angular		3	50.3	11.5	54	0.2
1527189	E	B	20	Dry	Good	Sub Angular		4.1	95.6	11.5	69	0.1
1527190	SE	B	10	Dry	Fair	Sub Angular	poor soil developed	1.6	52.9	13.1	60	0.1
1527191	SE	B	10	Dry	Good	Angular		1.1	126.9	38.1	77	0.2
1527193	N	B	20	Damp	Good	Sub Angular		0.6	45.4	23.4	70	0.1
1527194	N	B	20	Damp	Good	Angular		1	58	40.2	102	0.2
1527195	NE	B	30	Damp	Excellent	Angular		0.7	60.7	44.4	92	0.1
1527477	W	B	20	Dry	Good	Angular		1.4	89.8	11.7	84	0.2
1527478	W	B	20	Dry	Excellent	Angular	at contact intrusion / sediments	49.5	77.7	7127	1011	8.3
1527479	W	B	10	Dry	Good	Sub Rounded		0.7	18.7	22.5	69	0.1
1527480	W	B	30	Dry	Good	Angular		2	119.5	19.9	107	0.1
1527481	W	B	20	Dry	Good	Angular		1.3	69.5	15.7	56	0.1
1527482	W	B	20	Dry	Good	Angular		1.4	78.2	107.5	192	0.5
1527483	W	B	30	Dry	Good	Angular		1.6	24.9	21.8	55	0.1
1527979	NW	B	20	Damp	Good	Angular		0.8	180.2	4392	2734	1.9
1527980	NE	B	30	Damp	Good	Angular		0.8	166.2	136.3	349	0.6
1527981	NW	B	30	Damp	Good	Angular		0.8	119.3	83.1	208	0.6
1527982	NW	B	30	Wet	Good	Angular		0.7	275.2	94.4	253	2.5

SampleNo	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti
	PPM	PPM	PPM	%	PPM	PPB	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%
1274776	20.8	11.2	1151	3.78	43.8	33.8	3.1	48	0.3	1.5	6.6	61	0.82	0.052	13	35	0.67	63	0.066
1274777	19.8	9.7	401	2.37	15.1	5.8	4.1	52	0.1	0.9	0.4	53	0.34	0.047	13	30	0.48	76	0.078
1274778	13.6	6.3	319	1.91	9.9	4.6	3.7	22	0.2	0.5	0.3	42	0.24	0.043	16	23	0.44	81	0.054
1274779	13.9	5.8	428	2.05	8.2	1.6	4.8	34	0.1	0.9	0.2	45	0.5	0.069	18	27	0.46	74	0.07
1274780	31.8	15	789	4.03	14.6	15	4.1	94	0.1	1.3	0.5	72	0.91	0.084	13	68	1.13	137	0.08
1274781	16.2	7.2	365	2.11	10.6	2	4.7	42	0.1	0.7	0.2	50	0.45	0.077	17	31	0.45	59	0.081
1274782	27.5	9.4	371	2.26	13.8	1.7	5.5	63	0.1	0.9	0.3	55	0.47	0.073	19	41	0.62	118	0.095
1274783	8.6	3.7	189	1.46	7.9	1.7	2.9	15	0.2	0.3	0.2	31	0.17	0.036	14	16	0.31	45	0.042
1274792	16.9	10	414	2.71	230.8	2	7.1	39	0.3	3	1.1	80	0.51	0.198	28	28	0.68	115	0.082
1274793	12	15.6	581	4.26	13.4	0.9	8.9	67	0.3	0.8	0.2	99	0.84	0.279	39	18	1.19	217	0.115
1274794	12.4	6.8	282	2.18	8.8	1.7	6.1	28	0.2	0.5	0.2	56	0.31	0.104	23	22	0.49	104	0.071
1274795	16.9	10.3	356	2.62	7.9	1.2	12.6	56	0.3	0.4	0.1	80	0.52	0.172	28	27	0.72	145	0.105
1274796	23.7	18.3	1067	6.06	16.6	0.5	10.3	33	0.4	1	0.4	135	0.44	0.172	33	55	1.58	167	0.207
1274797	24.1	21.4	3059	6.58	64.8	0.5	15.5	136	0.7	2.1	0.9	131	1.23	0.427	66	30	1.72	167	0.146
1274798	14.5	8.7	346	2.53	12.5	0.5	10.4	30	0.1	0.4	0.3	70	0.45	0.155	31	25	0.67	107	0.117
1274799	2.5	5.2	744	4.5	3263	14.8	6.1	45	1.1	13	128.9	31	0.24	0.131	38	6	0.4	85	0.011
1274800	7.8	5.4	296	2.83	28.1	1.2	3.8	145	0.2	0.7	0.7	45	0.26	0.082	17	15	0.5	199	0.089
1394428	15	6.3	478	2.11	10.2	3.4	4.3	35	0.1	0.7	0.2	49	0.32	0.068	17	26	0.43	88	0.06
1394429	13.2	6.8	357	1.98	8.4	14.2	3.6	17	0.1	0.6	0.3	43	0.21	0.023	13	23	0.42	50	0.06
1394430	24.1	8	408	2.72	8.6	16.9	3.3	63	0.1	0.7	3.4	62	0.6	0.07	12	50	0.88	108	0.102
1394431	16	7.6	265	2.2	9.6	3.3	3.2	69	0.1	0.5	0.4	56	0.28	0.049	12	30	0.66	99	0.079
1394432	14.1	7.6	283	2.08	9.8	2.5	3.8	113	0.1	0.6	0.3	50	0.42	0.052	13	31	0.62	75	0.084
1394433	15.8	7.4	303	2.12	10.2	6	5.6	43	0.2	0.6	0.2	49	0.29	0.06	18	28	0.51	89	0.07
1394434	16.9	7.6	504	2.56	11.7	33	6.7	49	0.3	0.8	0.3	62	0.38	0.069	22	32	0.53	81	0.079
1394435	19.4	9.2	691	2.72	12.5	6.8	5.1	71	0.2	1	0.2	58	0.63	0.095	18	33	0.79	118	0.085
1394436	16.6	7.5	468	2.59	11.2	10	5.9	29	0.1	0.8	0.3	59	0.32	0.074	19	29	0.48	92	0.071
1394438	33.6	15.9	673	3.12	20.1	2.5	2.1	107	0.2	0.7	0.2	79	0.97	0.097	13	59	1.13	109	0.06
1394439	26.8	12.6	410	2.32	33.3	0.7	0.6	54	0.4	0.9	0.2	54	0.4	0.141	9	37	0.71	78	0.032
1394440	33.7	20.6	511	2.53	35.1	2.7	0.8	42	0.6	2	0.4	56	0.31	0.091	11	34	0.65	39	0.037
1394441	29.4	21.5	797	2.85	58.6	1.2	0.2	64	1.4	1.3	0.3	61	0.71	0.211	7	39	0.66	58	0.013
1394442	21.9	9	337	2.34	19.3	0.7	0.3	16	0.2	1.2	0.2	53	0.16	0.1	11	40	0.55	47	0.03
1394443	25.5	13.7	539	2.68	14.7	2.5	0.3	30	0.5	0.8	0.2	66	0.24	0.129	8	40	0.82	85	0.036
1394444	30.4	12.8	373	3.06	18.3	2.4	0.7	22	0.2	1.4	0.3	54	0.14	0.098	10	33	0.7	47	0.047
1394445	23.8	11	395	3.74	19	2.6	0.2	29	0.5	1.4	0.4	56	0.26	0.26	8	32	0.63	38	0.02

SampleNo	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti
	PPM	PPM	PPM	%	PPM	PPB	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%
1394446	43.9	21.3	538	3.5	13.8	7.7	0.8	68	0.3	1.1	0.2	64	0.37	0.068	10	37	0.98	45	0.039
1394447	34.7	18.8	667	3.18	15.9	3.2	0.6	30	0.4	0.9	0.1	99	0.27	0.106	6	66	1.11	93	0.1
1394448	51.9	29.4	710	3.18	33.3	3.6	1	78	0.4	2	0.1	76	0.36	0.11	8	48	0.9	135	0.079
1394449	42.7	26.4	730	2.97	21.3	1.8	0.7	63	0.6	0.8	0.1	80	0.34	0.088	8	52	0.88	147	0.069
1394450	34.2	20.1	1014	3.15	15.9	1.7	0.9	79	0.4	0.9	0.1	108	0.48	0.085	5	92	1.55	154	0.093
1527177	9	7.4	455	2.83	22.9	2.8	6.5	42	0.3	1.4	0.6	49	0.23	0.045	13	18	0.61	114	0.094
1527178	11.8	10.2	665	2.77	42.2	2.8	14	65	0.9	0.7	0.7	45	0.57	0.109	30	18	0.63	210	0.108
1527179	11.7	7	359	2.06	34.8	2.2	8.7	27	0.4	0.4	0.5	40	0.34	0.094	23	19	0.49	120	0.087
1527180	7.8	3.4	196	1.69	8.9	1.2	1.3	12	0.3	0.4	0.3	35	0.12	0.058	13	16	0.25	66	0.04
1527181	11.3	6.5	299	1.89	12.9	3	6.5	21	0.2	0.4	0.3	39	0.26	0.071	22	21	0.44	81	0.078
1527182	12	5.7	322	1.86	10.7	0.6	9.4	26	0.3	0.4	0.3	40	0.33	0.073	27	22	0.43	89	0.074
1527183	15.4	6.3	268	1.98	13.1	2.2	6	16	0.2	0.5	0.3	53	0.22	0.06	19	29	0.56	92	0.079
1527184	13.8	5.6	235	1.85	14.8	3.9	7.3	18	0.2	0.5	0.2	44	0.26	0.067	20	23	0.46	64	0.067
1527185	23.1	8.8	281	2.61	42.3	5	6.9	23	0.1	0.7	0.4	70	0.24	0.076	19	36	0.72	107	0.09
1527186	23.6	9.7	309	2.78	32.5	3.8	7.4	26	0.2	0.9	0.4	79	0.32	0.101	23	41	0.8	105	0.1
1527187	23.5	9	297	2.96	28.2	2.5	1.6	25	0.1	0.8	0.3	90	0.21	0.058	10	46	0.83	102	0.076
1527188	17.6	8.7	372	2.93	28.5	3.1	1	22	0.2	0.8	0.4	95	0.16	0.07	10	45	0.76	96	0.064
1527189	26.9	19.8	451	3.5	28.7	1.3	5.5	23	0.1	0.9	0.3	84	0.21	0.082	16	39	0.76	89	0.083
1527190	21.7	11.1	571	3.25	169.4	2.6	3.3	59	0.2	0.7	0.4	79	0.24	0.053	16	38	0.75	97	0.077
1527191	24.6	20.9	671	3.46	100.7	2.7	4.6	23	0.1	1	1.1	62	0.23	0.041	21	29	0.67	86	0.064
1527193	20.4	9.5	437	2.3	15.6	4.6	4.9	24	0.2	0.8	0.3	48	0.25	0.045	15	29	0.57	72	0.072
1527194	23.3	12.3	690	2.99	30.7	2.5	2.3	27	0.2	1.2	0.3	75	0.29	0.049	11	42	0.67	66	0.061
1527195	23.8	10.5	696	2.56	22.8	5.4	3.6	27	0.3	1.2	0.5	58	0.29	0.053	12	32	0.54	59	0.068
1527477	55.1	19.7	348	3.81	22.9	5.9	1.2	26	0.1	0.8	0.1	107	0.3	0.059	6	71	1.27	88	0.077
1527478	1.7	8	4660	5.03	481.8	4.3	52.7	9	8.9	65.9	0.2	12	0.07	0.096	35	3	0.04	22	0.002
1527479	11	9.3	424	2.88	7	1.4	6.5	94	0.1	0.5	0.1	57	0.41	0.103	25	18	0.8	103	0.035
1527480	69.6	25.3	384	3.08	43.7	7	1.1	17	0.2	4.7	0.1	86	0.14	0.065	6	67	0.98	108	0.092
1527481	29.5	7.8	195	2.61	34	4.2	0.4	15	0.2	2.6	0.1	67	0.1	0.089	8	57	0.53	57	0.035
1527482	50.7	21.5	623	3.19	37.3	4.3	5.3	89	0.5	2.6	0.2	63	0.36	0.091	24	34	0.79	113	0.059
1527483	14.1	8.9	333	2.74	10	4	2.1	25	0.1	0.5	0.2	59	0.27	0.127	31	24	0.58	117	0.047
1527979	31.6	14	857	3.38	449.9	9.4	4.2	65	6.8	15.8	3	262	0.49	0.115	16	48	0.79	74	0.066
1527980	35.2	18.9	705	3.88	351.5	6.2	3.8	62	0.7	3.7	1	84	0.42	0.08	15	51	0.83	117	0.077
1527981	45.1	22.3	612	3.56	147.8	10.1	4.4	53	0.6	3.8	1.1	91	0.46	0.136	18	51	0.78	98	0.078
1527982	30.1	16.6	794	3.83	476.7	5.7	7.2	77	1.1	11.3	4.9	85	0.69	0.18	27	38	1.02	178	0.064

SampleNo	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	PPM	%	%	%	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM
1274776	1	1.71	0.014	0.06	1.6	0.03	5.3	0.2	0.05	6	0.5	0.4
1274777	2	1.84	0.019	0.07	0.6	0.02	3.3	0.1	0.05	5	0.5	0.2
1274778	2	1.25	0.017	0.07	0.6	0.01	2.4	0.1	0.05	4	0.5	0.2
1274779	1	1.32	0.017	0.06	0.4	0.02	3.5	0.1	0.05	4	0.5	0.2
1274780	1	3.81	0.016	0.4	0.2	0.02	11.5	0.8	0.05	10	0.5	0.2
1274781	1	1.35	0.021	0.1	0.5	0.01	3.5	0.2	0.05	4	0.5	0.2
1274782	1	1.68	0.036	0.12	0.4	0.02	4.2	0.2	0.05	5	0.5	0.2
1274783	2	0.87	0.012	0.05	0.4	0.01	1.5	0.1	0.05	3	0.5	0.2
1274792	2	1.56	0.02	0.17	0.3	0.04	2.9	0.3	0.05	5	0.5	0.2
1274793	1	3.22	0.015	0.38	0.2	0.03	2.9	1	0.05	9	0.5	0.2
1274794	2	1.2	0.015	0.1	0.3	0.03	2.1	0.2	0.05	4	0.5	0.2
1274795	1	1.6	0.017	0.23	0.3	0.01	3	0.4	0.05	5	0.6	0.2
1274796	1	3.07	0.015	0.62	0.2	0.02	7.6	5.4	0.05	11	0.5	0.2
1274797	2	3.41	0.015	0.39	0.2	0.03	7.2	1.9	0.05	10	0.5	0.2
1274798	1	1.31	0.016	0.16	0.3	0.02	2.2	0.4	0.05	5	0.5	0.2
1274799	1	1.58	0.048	0.11	0.2	0.05	2	0.4	0.31	8	0.6	0.2
1274800	1	1.8	0.021	0.11	0.3	0.06	2.3	0.3	0.08	8	0.5	0.2
1394428	1	1.34	0.013	0.08	4.5	0.02	2.9	0.1	0.05	4	0.5	0.2
1394429	1	1.26	0.011	0.05	0.6	0.02	2.3	0.1	0.05	4	0.5	0.2
1394430	1	2.24	0.016	0.21	1.2	0.01	5.7	0.3	0.05	6	0.5	0.5
1394431	1	2.01	0.017	0.17	0.5	0.01	3.5	0.3	0.05	6	0.5	0.2
1394432	1	1.78	0.024	0.18	0.4	0.01	4.1	0.2	0.05	5	0.5	0.2
1394433	1	1.55	0.015	0.12	0.7	0.01	2.9	0.2	0.05	4	0.5	0.2
1394434	2	1.65	0.02	0.12	1.6	0.01	4.2	0.2	0.05	5	0.5	0.2
1394435	2	2.41	0.017	0.19	1.5	0.03	6	0.4	0.05	7	0.5	0.2
1394436	2	1.71	0.013	0.07	6.5	0.01	3.7	0.2	0.05	5	0.5	0.2
1394438	4	2.54	0.035	0.21	0.3	0.03	5.4	0.2	0.05	8	0.5	0.2
1394439	3	3	0.012	0.12	0.4	0.04	2.2	0.2	0.12	7	0.5	0.2
1394440	2	1.9	0.013	0.06	0.3	0.02	2	0.1	0.05	6	0.5	0.2
1394441	2	1.8	0.01	0.1	0.3	0.06	0.9	0.1	0.13	6	0.5	0.2
1394442	2	2.1	0.009	0.07	0.2	0.06	1.8	0.1	0.13	6	0.5	0.2
1394443	2	2.77	0.011	0.12	0.3	0.06	2.3	0.1	0.15	8	0.5	0.2
1394444	2	3.57	0.011	0.07	0.3	0.06	3.4	0.1	0.09	7	0.8	0.2
1394445	3	1.86	0.009	0.18	0.3	0.06	1.4	0.1	0.19	6	0.8	0.2

SampleNo	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	PPM	%	%	%	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM
1394446	1	2.7	0.015	0.08	0.2	0.02	3.4	0.1	0.05	6	0.5	0.2
1394447	1	2.05	0.027	0.19	0.2	0.03	5.8	0.2	0.09	7	0.5	0.2
1394448	3	2.02	0.03	0.15	0.4	0.05	5	0.2	0.07	6	0.7	0.2
1394449	3	1.9	0.02	0.15	0.3	0.04	4.2	0.2	0.05	7	0.6	0.2
1394450	1	1.88	0.016	0.28	0.2	0.03	6.9	0.6	0.05	6	0.5	0.2
1527177	1	1.98	0.015	0.07	0.4	0.03	2.2	0.4	0.05	9	0.5	0.2
1527178	1	1.69	0.02	0.17	0.3	0.02	3	0.4	0.05	6	0.5	0.2
1527179	1	1.12	0.014	0.1	0.4	0.01	2.1	0.2	0.05	4	0.5	0.2
1527180	1	0.92	0.011	0.05	0.4	0.06	1.3	0.1	0.05	4	0.5	0.2
1527181	1	1.07	0.013	0.08	0.3	0.01	2.3	0.3	0.05	4	0.5	0.2
1527182	1	1.07	0.014	0.08	0.3	0.01	2.9	0.2	0.05	4	0.5	0.2
1527183	1	1.4	0.012	0.12	0.3	0.01	3.7	0.5	0.05	4	0.5	0.2
1527184	1	1.03	0.012	0.1	0.5	0.01	2.7	0.3	0.05	3	0.5	0.2
1527185	1	1.74	0.013	0.2	0.4	0.02	5.5	0.8	0.05	5	0.5	0.2
1527186	1	1.58	0.015	0.27	0.4	0.01	4.9	1.2	0.05	5	0.5	0.2
1527187	1	1.6	0.017	0.26	0.2	0.03	4.6	1.6	0.05	6	0.5	0.2
1527188	1	1.58	0.016	0.17	0.4	0.04	3.9	1.1	0.05	6	0.6	0.2
1527189	1	1.53	0.017	0.24	0.4	0.03	4	1.1	0.05	5	0.5	0.2
1527190	1	1.64	0.014	0.13	0.4	0.03	4.5	1.1	0.05	6	0.5	0.2
1527191	1	1.43	0.015	0.09	0.7	0.01	5.9	0.5	0.05	5	1.4	0.2
1527193	1	1.47	0.015	0.07	0.4	0.02	2.9	0.2	0.05	4	0.5	0.2
1527194	1	1.78	0.015	0.07	0.6	0.02	3.4	0.2	0.05	6	0.5	0.2
1527195	1	1.71	0.014	0.05	0.9	0.01	3.1	0.2	0.05	5	0.5	0.2
1527477	2	2.06	0.023	0.21	0.2	0.02	6	0.3	0.06	6	0.7	0.2
1527478	1	0.38	0.001	0.13	0.2	0.01	1.2	0.6	0.05	5	2.2	0.2
1527479	1	2.23	0.01	0.08	0.3	0.01	3.7	0.1	0.05	8	0.5	0.2
1527480	3	2	0.015	0.22	0.3	0.03	4.6	0.2	0.05	5	0.8	0.2
1527481	1	1.8	0.011	0.1	0.2	0.03	1.8	0.1	0.09	5	0.5	0.2
1527482	1	1.66	0.019	0.07	0.4	0.02	3.7	0.2	0.05	5	0.7	0.2
1527483	2	1.66	0.013	0.1	0.4	0.02	1.9	0.2	0.07	6	0.5	0.2
1527979	1	1.83	0.014	0.15	0.4	0.02	5.5	0.4	0.05	6	0.5	0.2
1527980	2	1.92	0.017	0.15	0.7	0.04	4.9	0.5	0.05	6	0.5	0.2
1527981	2	1.75	0.02	0.18	0.5	0.02	4	0.6	0.05	5	0.5	0.2
1527982	1	2.17	0.014	0.19	0.2	0.02	5.6	0.5	0.05	6	0.5	0.2

Appendix B

Rock Sample Location, Description and Assay Data

Sample Nr.	Easting	Northing	UTM Zone	Sample type	Date	Sampler	Description
1391401	518950	6677793	8	Float	25/06/2013	CS	5cm scale quartzvein with Malactite staining
1391402	519504	6678167	8	Float	29/06/2013	CS	Finegrained, grey rock with 1% Pyrothite
1391403	519193	6678075	8	Float	29/06/2013	CS	strong Fe-oxide staining along fractures. Close to
1391404	518278	6677199	8	Float	02/07/2013	CS	black, finegrained, silicified rock with 1% Pyrite
1391405	518565	6677170	8	Subcrop	02/07/2013	CS	sugary quartz with limonate staining and oxidate

Sample Nr.	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd
	PPM	PPM	PPM	PPM	PPM	PPB	PPM	PPM	PPM	%	PPM	PPM	PPB	PPM	PPM	PPM
1391401	0.012	0.77	1602	9444	6242	38874	19.6	3.9	1957	7.58	927	2.9	5.6	0.4	4.9	22.52
1391402	0.065	0.9	36.31	11.82	21.1	203	10.2	4.2	252	1.57	4.8	0.6	52.9	2.1	161.2	0.14
1391403	0.005	1.74	151.5	37.04	61.6	714	24.2	12.2	105	2.11	84.4	0.5	5.5	1.5	91.2	0.32
1391404	0.013	2.56	129.1	3.13	73.1	345	57.6	20.2	158	3.8	20.1	1	12.7	2.5	70.1	0.22
1391405	0.01	1.43	69.88	3.06	20.2	219	23.7	7.5	61	2.13	192.1	0.6	7.9	1.5	21.9	0.05

Sample Nr.	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc
	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
1391401	455.2	115	60	0.14	0.086	5.3	24.6	1.22	6.4	0.005	1	2.33	<0.001	0.05	7	4.2
1391402	1.57	1.05	20	2.69	0.11	10.2	12.9	0.13	34.1	0.09	5	2.67	0.246	0.07	0.3	1.3
1391403	2.26	0.76	43	1	0.104	6.4	26.2	0.32	56.2	0.129	5	1.6	0.254	0.26	0.6	1.5
1391404	1.87	0.32	65	0.66	0.105	5.6	40.7	1.07	42.2	0.036	6	1.57	0.099	0.25	<0.1	6.3
1391405	8.04	0.13	55	0.18	0.06	2.9	44	0.49	29.2	0.087	7	0.8	0.087	0.26	0.2	2.6

Sample Nr.	Tl	S	Hg	Se	Te	Ga
	PPM	%	PPB	PPM	PPM	PPM
1391401	0.06	<0.02	52	<0.1	0.66	13.5
1391402	0.02	0.23	<5	0.4	<0.02	6.5
1391403	0.3	0.59	10	0.5	0.1	4.8
1391404	0.2	1.68	7	1.2	0.07	5.1
1391405	0.11	0.44	5	1.1	0.21	2.4

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Client: **Pika Exploration Inc**
Box 218
Carcross YT Y0B 1B0 Canada

Submitted By: Crispin Studer
Receiving Lab: Canada-Whitehorse
Received: July 03, 2013
Report Date: July 10, 2013
Page: 1 of 4

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CLIENT JOB INFORMATION

Project: HAX
Shipment ID: Pika 01
P.O. Number
Number of Samples: 70

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
PICKUP-RJT Client to Pickup Rejects

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pika Exploration Inc
Box 218
Carcross YT Y0B 1B0
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	70	Dry at 60C			WHI
SS80	68	Dry at 60C sieve 100g to -80 mesh			WHI
1DX2	70	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
RJSV	68	Saving all or part of Soil Reject			WHI

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1527979	Soil	0.8	180.2	4392	2734	1.9	31.6	14.0	857	3.38	449.9	9.4	4.2	65	6.8	15.8	3.0	262	0.49	0.115
1527980	Soil	0.8	166.2	136.3	349	0.6	35.2	18.9	705	3.88	351.5	6.2	3.8	62	0.7	3.7	1.0	84	0.42	0.080
1527981	Soil	0.8	119.3	83.1	208	0.6	45.1	22.3	612	3.56	147.8	10.1	4.4	53	0.6	3.8	1.1	91	0.46	0.136
1527982	Soil	0.7	275.2	94.4	253	2.5	30.1	16.6	794	3.83	476.7	5.7	7.2	77	1.1	11.3	4.9	85	0.69	0.180
1527177	Soil	2.0	27.1	26.5	86	0.1	9.0	7.4	455	2.83	22.9	2.8	6.5	42	0.3	1.4	0.6	49	0.23	0.045
1527178	Soil	0.9	27.5	33.6	119	0.2	11.8	10.2	665	2.77	42.2	2.8	14.0	65	0.9	0.7	0.7	45	0.57	0.109
1527179	Soil	0.6	22.3	20.8	71	0.2	11.7	7.0	359	2.06	34.8	2.2	8.7	27	0.4	0.4	0.5	40	0.34	0.094
1527180	Soil	1.2	10.4	10.6	37	0.1	7.8	3.4	196	1.69	8.9	1.2	1.3	12	0.3	0.4	0.3	35	0.12	0.058
1527181	Soil	0.8	21.6	16.8	62	<0.1	11.3	6.5	299	1.89	12.9	3.0	6.5	21	0.2	0.4	0.3	39	0.26	0.071
1527182	Soil	0.7	30.9	19.5	85	0.1	12.0	5.7	322	1.86	10.7	0.6	9.4	26	0.3	0.4	0.3	40	0.33	0.073
1527183	Soil	0.7	26.3	10.0	53	<0.1	15.4	6.3	268	1.98	13.1	2.2	6.0	16	0.2	0.5	0.3	53	0.22	0.060
1527184	Soil	0.7	22.3	7.2	40	<0.1	13.8	5.6	235	1.85	14.8	3.9	7.3	18	0.2	0.5	0.2	44	0.26	0.067
1527185	Soil	1.8	56.4	13.5	60	0.1	23.1	8.8	281	2.61	42.3	5.0	6.9	23	0.1	0.7	0.4	70	0.24	0.076
1527186	Soil	1.9	54.5	13.5	67	0.1	23.6	9.7	309	2.78	32.5	3.8	7.4	26	0.2	0.9	0.4	79	0.32	0.101
1527187	Soil	1.8	49.4	12.4	56	<0.1	23.5	9.0	297	2.96	28.2	2.5	1.6	25	<0.1	0.8	0.3	90	0.21	0.058
1527188	Soil	3.0	50.3	11.5	54	0.2	17.6	8.7	372	2.93	28.5	3.1	1.0	22	0.2	0.8	0.4	95	0.16	0.070
1527189	Soil	4.1	95.6	11.5	69	<0.1	26.9	19.8	451	3.50	28.7	1.3	5.5	23	0.1	0.9	0.3	84	0.21	0.082
1527190	Soil	1.6	52.9	13.1	60	0.1	21.7	11.1	571	3.25	169.4	2.6	3.3	59	0.2	0.7	0.4	79	0.24	0.053
1527191	Soil	1.1	126.9	38.1	77	0.2	24.6	20.9	671	3.46	100.7	2.7	4.6	23	0.1	1.0	1.1	62	0.23	0.041
1527192	Rock Pulp	3.0	22.9	2.4	33	0.4	19.6	7.8	307	1.86	3.2	2.9	0.9	33	0.2	0.3	<0.1	48	0.72	0.044
1527193	Soil	0.6	45.4	23.4	70	<0.1	20.4	9.5	437	2.30	15.6	4.6	4.9	24	0.2	0.8	0.3	48	0.25	0.045
1527194	Soil	1.0	58.0	40.2	102	0.2	23.3	12.3	690	2.99	30.7	2.5	2.3	27	0.2	1.2	0.3	75	0.29	0.049
1527195	Soil	0.7	60.7	44.4	92	<0.1	23.8	10.5	696	2.56	22.8	5.4	3.6	27	0.3	1.2	0.5	58	0.29	0.053
1527477	Soil	1.4	89.8	11.7	84	0.2	55.1	19.7	348	3.81	22.9	5.9	1.2	26	0.1	0.8	0.1	107	0.30	0.059
1527478	Soil	49.5	77.7	7126	1011	8.3	1.7	8.0	4660	5.03	481.8	4.3	52.7	9	8.9	65.9	0.2	12	0.07	0.096
1527479	Soil	0.7	18.7	22.5	69	<0.1	11.0	9.3	424	2.88	7.0	1.4	6.5	94	0.1	0.5	0.1	57	0.41	0.103
1527480	Soil	2.0	119.5	19.9	107	<0.1	69.6	25.3	384	3.08	43.7	7.0	1.1	17	0.2	4.7	<0.1	86	0.14	0.065
1527481	Soil	1.3	69.5	15.7	56	<0.1	29.5	7.8	195	2.61	34.0	4.2	0.4	15	0.2	2.6	<0.1	67	0.10	0.089
1527482	Soil	1.4	78.2	107.5	192	0.5	50.7	21.5	623	3.19	37.3	4.3	5.3	89	0.5	2.6	0.2	63	0.36	0.091
1527483	Soil	1.6	24.9	21.8	55	<0.1	14.1	8.9	333	2.74	10.0	4.0	2.1	25	<0.1	0.5	0.2	59	0.27	0.127

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1527979	Soil	48	0.79	74	0.066	1	1.83	0.014	0.15	0.4	0.02	5.5	0.4	<0.05	6	<0.5	<0.2
1527980	Soil	51	0.83	117	0.077	2	1.92	0.017	0.15	0.7	0.04	4.9	0.5	<0.05	6	<0.5	<0.2
1527981	Soil	51	0.78	98	0.078	2	1.75	0.020	0.18	0.5	0.02	4.0	0.6	<0.05	5	<0.5	<0.2
1527982	Soil	38	1.02	178	0.064	1	2.17	0.014	0.19	0.2	0.02	5.6	0.5	<0.05	6	<0.5	<0.2
1527177	Soil	18	0.61	114	0.094	1	1.98	0.015	0.07	0.4	0.03	2.2	0.4	<0.05	9	<0.5	<0.2
1527178	Soil	18	0.63	210	0.108	<1	1.69	0.020	0.17	0.3	0.02	3.0	0.4	<0.05	6	<0.5	<0.2
1527179	Soil	19	0.49	120	0.087	<1	1.12	0.014	0.10	0.4	0.01	2.1	0.2	<0.05	4	<0.5	<0.2
1527180	Soil	16	0.25	66	0.040	<1	0.92	0.011	0.05	0.4	0.06	1.3	0.1	<0.05	4	<0.5	<0.2
1527181	Soil	21	0.44	81	0.078	<1	1.07	0.013	0.08	0.3	0.01	2.3	0.3	<0.05	4	<0.5	<0.2
1527182	Soil	22	0.43	89	0.074	<1	1.07	0.014	0.08	0.3	<0.01	2.9	0.2	<0.05	4	<0.5	<0.2
1527183	Soil	29	0.56	92	0.079	<1	1.40	0.012	0.12	0.3	<0.01	3.7	0.5	<0.05	4	<0.5	<0.2
1527184	Soil	23	0.46	64	0.067	<1	1.03	0.012	0.10	0.5	<0.01	2.7	0.3	<0.05	3	<0.5	<0.2
1527185	Soil	36	0.72	107	0.090	<1	1.74	0.013	0.20	0.4	0.02	5.5	0.8	<0.05	5	<0.5	<0.2
1527186	Soil	41	0.80	105	0.100	1	1.58	0.015	0.27	0.4	0.01	4.9	1.2	<0.05	5	<0.5	<0.2
1527187	Soil	46	0.83	102	0.076	<1	1.60	0.017	0.26	0.2	0.03	4.6	1.6	<0.05	6	<0.5	<0.2
1527188	Soil	45	0.76	96	0.064	<1	1.58	0.016	0.17	0.4	0.04	3.9	1.1	0.05	6	0.6	<0.2
1527189	Soil	39	0.76	89	0.083	<1	1.53	0.017	0.24	0.4	0.03	4.0	1.1	<0.05	5	<0.5	<0.2
1527190	Soil	38	0.75	97	0.077	1	1.64	0.014	0.13	0.4	0.03	4.5	1.1	<0.05	6	<0.5	<0.2
1527191	Soil	29	0.67	86	0.064	<1	1.43	0.015	0.09	0.7	0.01	5.9	0.5	<0.05	5	1.4	<0.2
1527192	Rock Pulp	27	0.53	78	0.101	4	1.07	0.060	0.07	13.2	0.02	3.7	<0.1	<0.05	4	<0.5	<0.2
1527193	Soil	29	0.57	72	0.072	<1	1.47	0.015	0.07	0.4	0.02	2.9	0.2	<0.05	4	<0.5	<0.2
1527194	Soil	42	0.67	66	0.061	<1	1.78	0.015	0.07	0.6	0.02	3.4	0.2	<0.05	6	<0.5	<0.2
1527195	Soil	32	0.54	59	0.068	<1	1.71	0.014	0.05	0.9	0.01	3.1	0.2	<0.05	5	<0.5	<0.2
1527477	Soil	71	1.27	88	0.077	2	2.06	0.023	0.21	0.2	0.02	6.0	0.3	0.06	6	0.7	<0.2
1527478	Soil	3	0.04	22	0.002	1	0.38	0.001	0.13	0.2	0.01	1.2	0.6	<0.05	5	2.2	<0.2
1527479	Soil	18	0.80	103	0.035	<1	2.23	0.010	0.08	0.3	0.01	3.7	<0.1	<0.05	8	<0.5	<0.2
1527480	Soil	67	0.98	108	0.092	3	2.00	0.015	0.22	0.3	0.03	4.6	0.2	<0.05	5	0.8	<0.2
1527481	Soil	57	0.53	57	0.035	<1	1.80	0.011	0.10	0.2	0.03	1.8	0.1	0.09	5	<0.5	<0.2
1527482	Soil	34	0.79	113	0.059	1	1.66	0.019	0.07	0.4	0.02	3.7	0.2	<0.05	5	0.7	<0.2
1527483	Soil	24	0.58	117	0.047	2	1.66	0.013	0.10	0.4	0.02	1.9	0.2	0.07	6	0.5	<0.2

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1394428	Soil	0.7	60.8	11.0	52	0.1	15.0	6.3	478	2.11	10.2	3.4	4.3	35	0.1	0.7	0.2	49	0.32	0.068	17
1394429	Soil	0.5	13.6	9.4	44	<0.1	13.2	6.8	357	1.98	8.4	14.2	3.6	17	<0.1	0.6	0.3	43	0.21	0.023	13
1394430	Soil	0.3	54.0	8.4	52	0.1	24.1	8.0	408	2.72	8.6	16.9	3.3	63	<0.1	0.7	3.4	62	0.60	0.070	12
1394431	Soil	0.5	43.3	7.3	39	<0.1	16.0	7.6	265	2.20	9.6	3.3	3.2	69	<0.1	0.5	0.4	56	0.28	0.049	12
1394432	Soil	0.5	42.8	7.3	41	<0.1	14.1	7.6	283	2.08	9.8	2.5	3.8	113	<0.1	0.6	0.3	50	0.42	0.052	13
1394433	Soil	0.6	33.9	8.0	45	<0.1	15.8	7.4	303	2.12	10.2	6.0	5.6	43	0.2	0.6	0.2	49	0.29	0.060	18
1394434	Soil	0.5	34.7	10.3	56	0.1	16.9	7.6	504	2.56	11.7	33.0	6.7	49	0.3	0.8	0.3	62	0.38	0.069	22
1394435	Soil	0.5	81.1	12.8	65	0.3	19.4	9.2	691	2.72	12.5	6.8	5.1	71	0.2	1.0	0.2	58	0.63	0.095	18
1394436	Soil	1.1	81.9	10.8	51	0.2	16.6	7.5	468	2.59	11.2	10.0	5.9	29	0.1	0.8	0.3	59	0.32	0.074	19
1394437	Rock Pulp	2.8	22.3	2.1	32	0.5	18.6	8.1	312	1.78	3.7	2.5	0.8	34	0.2	0.4	0.1	46	0.69	0.044	5
1394438	Soil	0.5	59.9	20.3	80	0.2	33.6	15.9	673	3.12	20.1	2.5	2.1	107	0.2	0.7	0.2	79	0.97	0.097	13
1394439	Soil	1.0	67.7	23.5	80	0.1	26.8	12.6	410	2.32	33.3	0.7	0.6	54	0.4	0.9	0.2	54	0.40	0.141	9
1394440	Soil	2.0	98.1	41.3	61	0.4	33.7	20.6	511	2.53	35.1	2.7	0.8	42	0.6	2.0	0.4	56	0.31	0.091	11
1394441	Soil	1.4	53.6	33.4	145	0.3	29.4	21.5	797	2.85	58.6	1.2	0.2	64	1.4	1.3	0.3	61	0.71	0.211	7
1394442	Soil	1.3	36.9	20.4	57	<0.1	21.9	9.0	337	2.34	19.3	0.7	0.3	16	0.2	1.2	0.2	53	0.16	0.100	11
1394443	Soil	1.4	47.1	17.7	89	<0.1	25.5	13.7	539	2.68	14.7	2.5	0.3	30	0.5	0.8	0.2	66	0.24	0.129	8
1394444	Soil	2.2	89.0	16.5	71	<0.1	30.4	12.8	373	3.06	18.3	2.4	0.7	22	0.2	1.4	0.3	54	0.14	0.098	10
1394445	Soil	3.3	65.7	15.2	82	0.2	23.8	11.0	395	3.74	19.0	2.6	0.2	29	0.5	1.4	0.4	56	0.26	0.260	8
1394446	Soil	2.7	75.6	13.2	56	0.1	43.9	21.3	538	3.50	13.8	7.7	0.8	68	0.3	1.1	0.2	64	0.37	0.068	10
1394447	Soil	1.2	61.7	10.4	111	0.2	34.7	18.8	667	3.18	15.9	3.2	0.6	30	0.4	0.9	0.1	99	0.27	0.106	6
1394448	Soil	1.3	93.8	12.2	101	0.2	51.9	29.4	710	3.18	33.3	3.6	1.0	78	0.4	2.0	0.1	76	0.36	0.110	8
1394449	Soil	2.3	74.0	13.7	133	0.1	42.7	26.4	730	2.97	21.3	1.8	0.7	63	0.6	0.8	0.1	80	0.34	0.088	8
1394450	Soil	0.8	50.9	24.9	90	0.1	34.2	20.1	1014	3.15	15.9	1.7	0.9	79	0.4	0.9	0.1	108	0.48	0.085	5
1274776	Soil	0.6	131.7	35.3	124	0.4	20.8	11.2	1151	3.78	43.8	33.8	3.1	48	0.3	1.5	6.6	61	0.82	0.052	13
1274777	Soil	0.5	47.1	16.5	60	0.1	19.8	9.7	401	2.37	15.1	5.8	4.1	52	<0.1	0.9	0.4	53	0.34	0.047	13
1274778	Soil	0.6	17.7	10.4	42	<0.1	13.6	6.3	319	1.91	9.9	4.6	3.7	22	0.2	0.5	0.3	42	0.24	0.043	16
1274779	Soil	0.3	17.2	9.1	47	<0.1	13.9	5.8	428	2.05	8.2	1.6	4.8	34	0.1	0.9	0.2	45	0.50	0.069	18
1274780	Soil	0.2	48.6	14.7	81	0.3	31.8	15.0	789	4.03	14.6	15.0	4.1	94	0.1	1.3	0.5	72	0.91	0.084	13
1274781	Soil	0.4	26.7	8.6	46	<0.1	16.2	7.2	365	2.11	10.6	2.0	4.7	42	0.1	0.7	0.2	50	0.45	0.077	17
1274782	Soil	0.4	28.7	9.4	47	<0.1	27.5	9.4	371	2.26	13.8	1.7	5.5	63	<0.1	0.9	0.3	55	0.47	0.073	19

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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1394428	Soil		26	0.43	88	0.060	<1	1.34	0.013	0.08	4.5	0.02	2.9	0.1	<0.05	4	<0.5	<0.2
1394429	Soil		23	0.42	50	0.060	1	1.26	0.011	0.05	0.6	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
1394430	Soil		50	0.88	108	0.102	<1	2.24	0.016	0.21	1.2	<0.01	5.7	0.3	<0.05	6	<0.5	0.5
1394431	Soil		30	0.66	99	0.079	<1	2.01	0.017	0.17	0.5	<0.01	3.5	0.3	<0.05	6	<0.5	<0.2
1394432	Soil		31	0.62	75	0.084	<1	1.78	0.024	0.18	0.4	<0.01	4.1	0.2	<0.05	5	<0.5	<0.2
1394433	Soil		28	0.51	89	0.070	<1	1.55	0.015	0.12	0.7	<0.01	2.9	0.2	<0.05	4	<0.5	<0.2
1394434	Soil		32	0.53	81	0.079	2	1.65	0.020	0.12	1.6	0.01	4.2	0.2	<0.05	5	<0.5	<0.2
1394435	Soil		33	0.79	118	0.085	2	2.41	0.017	0.19	1.5	0.03	6.0	0.4	<0.05	7	<0.5	<0.2
1394436	Soil		29	0.48	92	0.071	2	1.71	0.013	0.07	6.5	<0.01	3.7	0.2	<0.05	5	<0.5	<0.2
1394437	Rock Pulp		26	0.51	78	0.098	6	1.04	0.064	0.07	13.0	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
1394438	Soil		59	1.13	109	0.060	4	2.54	0.035	0.21	0.3	0.03	5.4	0.2	<0.05	8	<0.5	<0.2
1394439	Soil		37	0.71	78	0.032	3	3.00	0.012	0.12	0.4	0.04	2.2	0.2	0.12	7	<0.5	<0.2
1394440	Soil		34	0.65	39	0.037	2	1.90	0.013	0.06	0.3	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
1394441	Soil		39	0.66	58	0.013	2	1.80	0.010	0.10	0.3	0.06	0.9	0.1	0.13	6	<0.5	<0.2
1394442	Soil		40	0.55	47	0.030	2	2.10	0.009	0.07	0.2	0.06	1.8	0.1	0.13	6	<0.5	<0.2
1394443	Soil		40	0.82	85	0.036	2	2.77	0.011	0.12	0.3	0.06	2.3	0.1	0.15	8	<0.5	<0.2
1394444	Soil		33	0.70	47	0.047	2	3.57	0.011	0.07	0.3	0.06	3.4	0.1	0.09	7	0.8	<0.2
1394445	Soil		32	0.63	38	0.020	3	1.86	0.009	0.18	0.3	0.06	1.4	0.1	0.19	6	0.8	<0.2
1394446	Soil		37	0.98	45	0.039	1	2.70	0.015	0.08	0.2	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
1394447	Soil		66	1.11	93	0.100	1	2.05	0.027	0.19	0.2	0.03	5.8	0.2	0.09	7	<0.5	<0.2
1394448	Soil		48	0.90	135	0.079	3	2.02	0.030	0.15	0.4	0.05	5.0	0.2	0.07	6	0.7	<0.2
1394449	Soil		52	0.88	147	0.069	3	1.90	0.020	0.15	0.3	0.04	4.2	0.2	<0.05	7	0.6	<0.2
1394450	Soil		92	1.55	154	0.093	1	1.88	0.016	0.28	0.2	0.03	6.9	0.6	<0.05	6	<0.5	<0.2
1274776	Soil		35	0.67	63	0.066	<1	1.71	0.014	0.06	1.6	0.03	5.3	0.2	<0.05	6	<0.5	0.4
1274777	Soil		30	0.48	76	0.078	2	1.84	0.019	0.07	0.6	0.02	3.3	0.1	<0.05	5	<0.5	<0.2
1274778	Soil		23	0.44	81	0.054	2	1.25	0.017	0.07	0.6	0.01	2.4	0.1	<0.05	4	<0.5	<0.2
1274779	Soil		27	0.46	74	0.070	<1	1.32	0.017	0.06	0.4	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
1274780	Soil		68	1.13	137	0.080	<1	3.81	0.016	0.40	0.2	0.02	11.5	0.8	<0.05	10	<0.5	0.2
1274781	Soil		31	0.45	59	0.081	<1	1.35	0.021	0.10	0.5	<0.01	3.5	0.2	<0.05	4	<0.5	<0.2
1274782	Soil		41	0.62	118	0.095	<1	1.68	0.036	0.12	0.4	0.02	4.2	0.2	<0.05	5	<0.5	<0.2

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Report Date: July 10, 2013

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1274783	Soil	0.6	8.3	6.4	29	<0.1	8.6	3.7	189	1.46	7.9	1.7	2.9	15	0.2	0.3	0.2	31	0.17	0.036	14
1274792	Soil	0.9	124.2	40.3	100	1.2	16.9	10.0	414	2.71	230.8	2.0	7.1	39	0.3	3.0	1.1	80	0.51	0.198	28
1274793	Soil	0.9	50.1	31.6	111	0.4	12.0	15.6	581	4.26	13.4	0.9	8.9	67	0.3	0.8	0.2	99	0.84	0.279	39
1274794	Soil	0.5	17.6	11.0	51	<0.1	12.4	6.8	282	2.18	8.8	1.7	6.1	28	0.2	0.5	0.2	56	0.31	0.104	23
1274795	Soil	0.6	30.0	15.5	77	0.1	16.9	10.3	356	2.62	7.9	1.2	12.6	56	0.3	0.4	0.1	80	0.52	0.172	28
1274796	Soil	2.4	26.1	33.4	138	0.2	23.7	18.3	1067	6.06	16.6	<0.5	10.3	33	0.4	1.0	0.4	135	0.44	0.172	33
1274797	Soil	1.1	74.1	36.0	170	0.8	24.1	21.4	3059	6.58	64.8	<0.5	15.5	136	0.7	2.1	0.9	131	1.23	0.427	66
1274798	Soil	0.8	19.3	12.1	53	<0.1	14.5	8.7	346	2.53	12.5	0.5	10.4	30	0.1	0.4	0.3	70	0.45	0.155	31
1274799	Soil	3.0	112.2	1521	440	29.9	2.5	5.2	744	4.50	3263	14.8	6.1	45	1.1	13.0	128.9	31	0.24	0.131	38
1274800	Soil	2.6	29.5	26.8	66	0.4	7.8	5.4	296	2.83	28.1	1.2	3.8	145	0.2	0.7	0.7	45	0.26	0.082	17

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CERTIFICATE OF ANALYSIS

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1274783	Soil	16	0.31	45	0.042	2	0.87	0.012	0.05	0.4	0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
1274792	Soil	28	0.68	115	0.082	2	1.56	0.020	0.17	0.3	0.04	2.9	0.3	<0.05	5	<0.5	<0.2
1274793	Soil	18	1.19	217	0.115	<1	3.22	0.015	0.38	0.2	0.03	2.9	1.0	<0.05	9	<0.5	<0.2
1274794	Soil	22	0.49	104	0.071	2	1.20	0.015	0.10	0.3	0.03	2.1	0.2	<0.05	4	<0.5	<0.2
1274795	Soil	27	0.72	145	0.105	1	1.60	0.017	0.23	0.3	0.01	3.0	0.4	<0.05	5	0.6	<0.2
1274796	Soil	55	1.58	167	0.207	1	3.07	0.015	0.62	0.2	0.02	7.6	5.4	<0.05	11	<0.5	<0.2
1274797	Soil	30	1.72	167	0.146	2	3.41	0.015	0.39	0.2	0.03	7.2	1.9	<0.05	10	<0.5	<0.2
1274798	Soil	25	0.67	107	0.117	1	1.31	0.016	0.16	0.3	0.02	2.2	0.4	<0.05	5	<0.5	<0.2
1274799	Soil	6	0.40	85	0.011	<1	1.58	0.048	0.11	0.2	0.05	2.0	0.4	0.31	8	0.6	<0.2
1274800	Soil	15	0.50	199	0.089	1	1.80	0.021	0.11	0.3	0.06	2.3	0.3	0.08	8	<0.5	<0.2

QUALITY CONTROL REPORT

WHI13000078.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1394430	Soil	0.3	54.0	8.4	52	0.1	24.1	8.0	408	2.72	8.6	16.9	3.3	63	<0.1	0.7	3.4	62	0.60	0.070	12
REP 1394430	QC	0.3	55.7	8.3	51	0.1	24.2	8.4	418	2.75	8.1	10.7	3.4	61	<0.1	0.6	3.4	62	0.57	0.070	13
1274792	Soil	0.9	124.2	40.3	100	1.2	16.9	10.0	414	2.71	230.8	2.0	7.1	39	0.3	3.0	1.1	80	0.51	0.198	28
REP 1274792	QC	0.9	128.7	39.5	100	1.1	17.6	10.4	413	2.77	229.0	4.1	7.0	39	0.2	3.3	1.1	83	0.54	0.203	29
Reference Materials																					
STD DS11	Standard	13.8	148.7	139.0	322	1.8	76.1	12.8	981	3.08	40.7	79.7	7.4	65	2.1	8.5	10.8	49	0.99	0.066	18
STD DS11	Standard	14.5	146.8	139.6	330	1.9	77.2	13.1	1029	3.08	41.0	80.9	7.5	72	2.3	9.4	11.6	48	0.98	0.063	22
STD DS9	Standard	13.7	111.6	131.9	315	1.9	40.1	7.3	596	2.37	25.0	112.9	6.6	78	2.6	6.0	6.3	44	0.76	0.081	16
STD DS9	Standard	14.2	112.3	131.3	323	1.9	42.2	8.3	619	2.43	26.3	128.9	6.7	85	2.4	6.2	6.9	43	0.78	0.088	17
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819	13.3
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	0.6	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

QUALITY CONTROL REPORT

WHI13000078.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
				ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
				1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																			
1394430	Soil		50	0.88	108	0.102	<1	2.24	0.016	0.21	1.2	<0.01	5.7	0.3	<0.05	6	<0.5	0.5	
REP 1394430	QC		52	0.88	111	0.097	<1	2.21	0.016	0.21	1.5	<0.01	5.4	0.4	<0.05	6	<0.5	0.4	
1274792	Soil		28	0.68	115	0.082	2	1.56	0.020	0.17	0.3	0.04	2.9	0.3	<0.05	5	<0.5	<0.2	
REP 1274792	QC		29	0.70	115	0.087	2	1.63	0.021	0.18	0.3	0.04	3.2	0.3	<0.05	5	0.6	<0.2	
Reference Materials																			
STD DS11	Standard		57	0.83	354	0.089	7	1.09	0.065	0.37	3.0	0.32	2.8	4.7	0.17	5	1.6	4.9	
STD DS11	Standard		58	0.87	378	0.091	8	1.14	0.067	0.38	3.2	0.29	3.0	4.7	0.19	5	1.6	4.9	
STD DS9	Standard		125	0.68	308	0.122	2	0.99	0.087	0.39	3.1	0.25	2.6	5.3	0.13	5	4.9	4.5	
STD DS9	Standard		123	0.69	322	0.122	3	1.02	0.095	0.41	3.3	0.21	3.0	5.5	0.17	5	5.2	5.4	
STD DS9 Expected			121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02	
BLK	Blank		<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank		<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	

Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Pika Exploration Inc**
Box 218
Carcross YT Y0B 1B0 Canada

Submitted By: Crispin Studer
Receiving Lab: Canada-Whitehorse
Received: July 03, 2013
Report Date: July 15, 2013
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI13000079.1

CLIENT JOB INFORMATION

Project: HAX
Shipment ID: Pika 02
P.O. Number
Number of Samples: 5

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
PICKUP-RJT Client to Pickup Rejects

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pika Exploration Inc
Box 218
Carcross YT Y0B 1B0
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	5	Crush, split and pulverize 250 g rock to 200 mesh			WHI
G601	5	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
1F02	5	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

CERTIFICATE OF ANALYSIS

WHI13000079.1

	Method	WGHT	G6	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02
1391401	Rock	1.28	0.012	0.77	1602	9444	6242	38874	19.6	3.9	1957	7.58	927.0	2.9	5.6	0.4	4.9	22.52	455.1	114.9
1391402	Rock	1.25	0.065	0.90	36.31	11.82	21.1	203	10.2	4.2	252	1.57	4.8	0.6	52.9	2.1	161.2	0.14	1.57	1.05
1391403	Rock	1.40	0.005	1.74	151.5	37.04	61.6	714	24.2	12.2	105	2.11	84.4	0.5	5.5	1.5	91.2	0.32	2.26	0.76
1391404	Rock	2.45	0.013	2.56	129.1	3.13	73.1	345	57.6	20.2	158	3.80	20.1	1.0	12.7	2.5	70.1	0.22	1.87	0.32
1391405	Rock	1.53	0.010	1.43	69.88	3.06	20.2	219	23.7	7.5	61	2.13	192.1	0.6	7.9	1.5	21.9	0.05	8.04	0.13

CERTIFICATE OF ANALYSIS

WHI13000079.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te
	Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm
	MDL	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02
1391401	Rock	0.14	0.086	5.3	24.6	1.22	6.4	0.005	1	2.33	<0.001	0.05	7.0	4.2	0.06	<0.02	52	<0.1	0.66
1391402	Rock	2.69	0.110	10.2	12.9	0.13	34.1	0.090	5	2.67	0.246	0.07	0.3	1.3	0.02	0.23	<5	0.4	<0.02
1391403	Rock	1.00	0.104	6.4	26.2	0.32	56.2	0.129	5	1.60	0.254	0.26	0.6	1.5	0.30	0.59	10	0.5	0.10
1391404	Rock	0.66	0.105	5.6	40.7	1.07	42.2	0.036	6	1.57	0.099	0.25	<0.1	6.3	0.20	1.68	7	1.2	0.07
1391405	Rock	0.18	0.060	2.9	44.0	0.49	29.2	0.087	7	0.80	0.087	0.26	0.2	2.6	0.11	0.44	5	1.1	0.21

QUALITY CONTROL REPORT

WHI13000079.1

	Method	WGHT	G6	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02
Pulp Duplicates																				
1391404	Rock	2.45	0.013	2.56	129.1	3.13	73.1	345	57.6	20.2	158	3.80	20.1	1.0	12.7	2.5	70.1	0.22	1.87	0.32
REP 1391404	QC		0.016																	65
1391405	Rock	1.53	0.010	1.43	69.88	3.06	20.2	219	23.7	7.5	61	2.13	192.1	0.6	7.9	1.5	21.9	0.05	8.04	0.13
REP 1391405	QC		0.010	1.61	72.77	3.09	19.9	221	25.1	8.5	62	2.18	194.8	0.6	8.1	1.6	22.4	0.08	8.41	0.12
Reference Materials																				
STD DS9	Standard			13.08	105.9	129.3	315.8	1814	38.9	7.8	601	2.34	25.3	2.8	123.0	6.0	67.1	2.30	6.04	6.14
STD OXC109	Standard		0.210																	40
STD OXL93	Standard		5.927																	
STD SG56	Standard		1.048																	
STD OXC109 Expected			0.201																	
STD SG56 Expected			1.027																	
STD OXL93 Expected			5.841																	
STD DS9 Expected				12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32
BLK	Blank		<0.005																	
BLK	Blank		<0.005																	
BLK	Blank			<0.01	<0.01	0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02
Prep Wash																				
G1-WHI	Prep Blank		<0.005	0.10	3.38	3.16	44.5	21	2.6	4.0	562	2.00	0.3	1.8	1.0	5.3	54.1	0.01	0.03	0.18

Acme Analytical Laboratories (Vancouver) Ltd.

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Client: **Pika Exploration Inc**

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Project: HAX

Report Date: July 15, 2013

Page: 1 of 1

Part: 2 of 1

QUALITY CONTROL REPORT

WHI13000079.1

		Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te
		Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm
		MDL	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02
Pulp Duplicates																				
1391404	Rock		0.66	0.105	5.6	40.7	1.07	42.2	0.036	6	1.57	0.099	0.25	<0.1	6.3	0.20	1.68	7	1.2	0.07
REP 1391404	QC																			
1391405	Rock		0.18	0.060	2.9	44.0	0.49	29.2	0.087	7	0.80	0.087	0.26	0.2	2.6	0.11	0.44	5	1.1	0.21
REP 1391405	QC		0.18	0.068	2.9	46.7	0.49	31.1	0.089	7	0.82	0.091	0.27	0.2	2.7	0.12	0.44	6	1.0	0.20
Reference Materials																				
STD DS9	Standard		0.71	0.080	13.0	114.4	0.61	301.1	0.113	2	0.93	0.080	0.40	3.0	2.1	5.09	0.17	206	4.8	5.22
STD OXC109	Standard																			
STD OXL93	Standard																			
STD SG56	Standard																			
STD OXC109 Expected																				
STD SG56 Expected																				
STD OXL93 Expected																				
STD DS9 Expected			0.7201	0.0819	13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02
BLK	Blank																			
BLK	Blank																			
BLK	Blank		<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02
Prep Wash																				
G1-WHI	Prep Blank		0.51	0.073	10.6	5.4	0.53	153.8	0.114	1	0.93	0.080	0.50	<0.1	1.9	0.32	<0.02	<5	<0.1	<0.02