

Rimfire Minerals Corporation

**2003 GEOLOGICAL AND GEOCHEMICAL
REPORT ON THE HORTON PROJECT,
YUKON TERRITORY**

Located in the Watson Lake Mining District
NTS Mapsheets 105G/5, 6,12 and 105F/9
61° 30' North Latitude
131° 35' West Longitude

-prepared for-

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2003 GEOLOGICAL AND GEOCHEMICAL REPORT ON THE HORTON PROPERTY, YUKON TERRITORY

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1.0 INTRODUCTION

The Horton project is located in the St. Cyr Range of the Pelly Mountains of south-central Yukon Territory (Figure 1). Fine placer gold has been reported from three streams draining northeasterly into the Tintina Trench and from a roughly 10 km section of the Hoole River along the Tintina Trench and within the project area. The project is focused on finding a source for these placer gold occurrences and the accompanying Sb-in-silt anomalies. The primary exploration model is sediment-hosted (Carlin-type) gold, possibly related to Tertiary intrusive rocks and hosted within reactive rocks that typify the area.

The 2003 exploration program had two main objectives: first, to conduct geological mapping, prospecting and contour soil sampling in the vicinity of three creeks from which fine placer gold has been reported; and second, to collect fine sediment samples from streams draining from the southwest into the Tintina Trench in a one-day helicopter supported blitz. Equity Engineering Ltd. (Equity) was contracted by Rimfire Minerals Corporation (Rimfire) to complete this work and has been retained to report on the results of the field work.

2.0 PROPERTY TITLE

There are no quartz mining claims in the immediate vicinity of the main confines of the project area (Figure 2). There are however several claims, such as the Fox and Hot claims, toward the southern end of the area covered during the regional silt sampling. These claims cover both Mississippi Valley and Sedex prospects that have been worked extensively in the past.

3.0 LOCATION, ACCESS AND GEOGRAPHY

The Horton project area lies in the St. Cyr Range of the Pelly Mountains of south-central Yukon, approximately 60 km southeast of Ross River (Figure 1). The project area is in the Watson Lake Mining District, centred at 61° 30' north latitude and 131° 35' west longitude. The Robert Campbell Highway passes the Horton at its nearest point 25 km to the northeast.

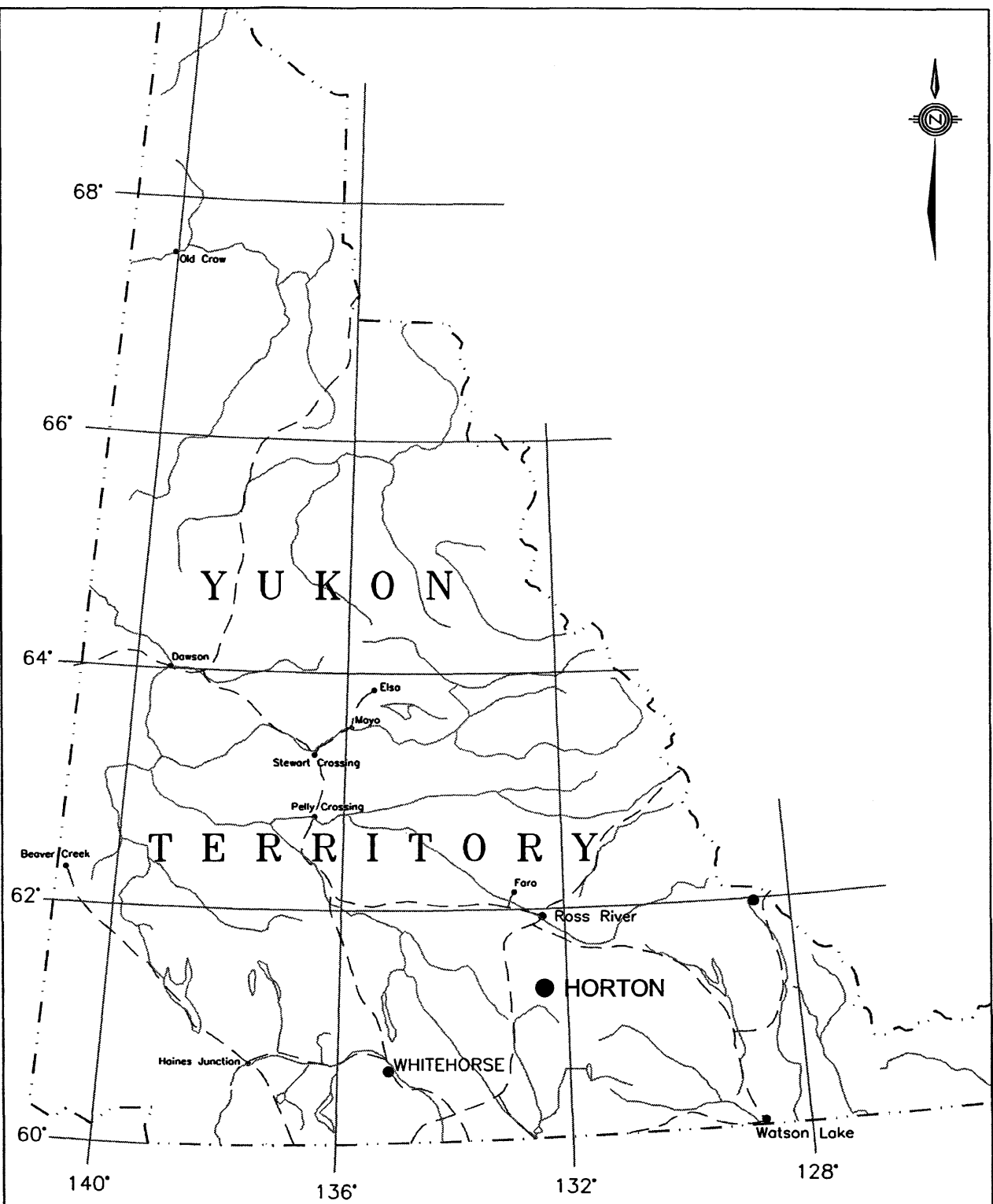
Access to the project area is via helicopter based at Ross River, YT. Crew and supplies were ferried from a point approximately 15 km west of the Robert Campbell Highway on the Ketz River Mine Road, to a centrally located camp near the headwaters of Horton Creek.

Topography is moderate to steeply mountainous with elevations that range from 900 metres in the valley bottoms to nearly 2000 m on the most prominent peaks and ridges. The Horton project area is subject to a northern continental climate, with short warm summers and cold dry winters. Snowfall depths range between 1 and 3 m.

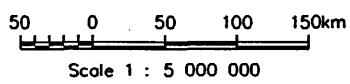
4.0 EXPLORATION HISTORY

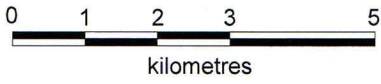
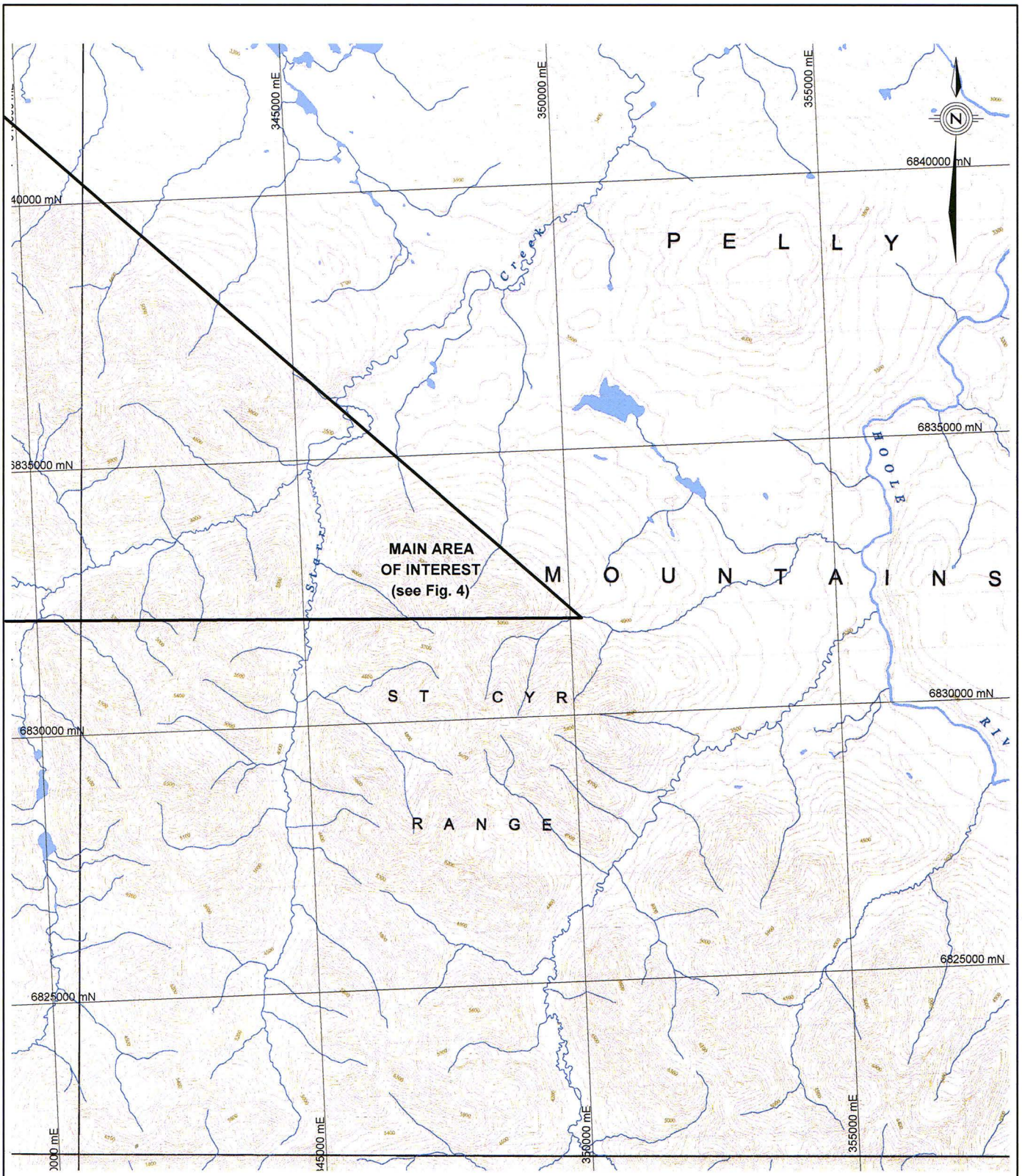
There is no recorded exploration work within the main project area although the entire region is host to numerous mineral occurrences and has been extensively explored in the past. The area west of the main project area is host to a myriad of Au±Ag±Pb±Zn-rich vein, skarn, and replacement occurrences and deposits. Most notably, these occurrences include the Ketz River mine, which is a carbonate replacement Au deposit related to Cretaceous magmatism.

The few nearby quartz mining claims are all toward the southern end of the region. These claims cover Mississippi Valley and Sedex projects (e.g., the Zimmer Minfile #105G064, the Plumb – Minfile 105G007, the Nebocat – Minfile 105G093) and more recently discovered VMS prospects (e.g., Wolf property) that have been worked extensively in the past.



RIMFIRE MINERALS CORPORATION						
HORTON PROJECT						
LOCATION MAP						
	Date	January 2004	Scale	1:5,000,000	Figure	1
	U.T.M. Zone	UTM8and9	Mining District	Watson Lake		
	N.T.S.	05G/5,6,12,105F/9	State/Province	YUKON		





RIMFIRE MINERALS CORPORATION

HORTON PROJECT

PROJECT AREA CLAIMS

	Date: January 8, 2004	Scale: 1:100,000	Figure
	U.T.M. Zone	UTM9 - NAD83	Mining District
	N.T.S.	105G/12	State/Province
			YUKON
			2

5.0 2003 EXPLORATION PROGRAM

The 2003 exploration program had two main objectives: first, to conduct geological mapping, prospecting and contour soil sampling in the vicinity of three creeks from which fine placer gold has been reported; and second, to collect fine sediment samples from streams draining from the southwest into the Tintina Trench in a one-day helicopter supported blitz. Field work entailed 18 person-days and was completed between July 1st and July 6th, 2003. A magnetic declination of 30° E was used for all compass measurements. Structural measurements are reported as strike and dip (right hand rule). Maps and UTM coordinates are referenced to the 1983 North American Datum (NAD-83). All samples were shipped from Watson Lake to Vancouver via Greyhound Courier Express, and analyzed by ALS Chemex Laboratories of Vancouver (Appendix C). Locations for all 2003 silt, soil and rock samples are plotted on Figure 4.

A three-man crew consisting of a geologist, a prospector, and a senior sampler spent a total of five days prospecting, mapping, rock sampling, and silt sampling in the main project area. A total of 31 rock samples, mostly of float, were collected and submitted for analysis. Descriptions of the rock samples are attached in Appendix B. A total of 128 soil samples, plus 8 duplicate samples, were taken from 3 contour soil lines at 50 m intervals. Soil samples were taken from B-horizon soils wherever possible. Locally, due to poor soil development, the sample material may be of colluvium, talus fines or glacial till material. Characteristics of the sample site were recorded on a sample form for later reference. A total of 46 conventional (grab) silt samples and 10 fine sediment samples were collected from accessible drainages within the main target area. During camp demobilization, 15 pairs of grab and fine sediment samples were collected from streams along 50 km of the Tintina Trench with the use of the helicopter.

The purpose of the fine sediment sampling technique is to obtain a usable amount of the very fine-grained fraction of the stream sediment (minus 250 mesh). This fraction of the sediment has been proven repeatedly to give the most representative and reproducible results for gold in many different environments. The technique is accomplished by sieving the stream sediments on site to obtain a sizeable sample of fine sediment. Stream sediments were screened through 4-, 12-, and 30- mesh screens into a 3.5 gallon collection bucket. Both the minus 30 mesh sediment and water were then drained into a micro-pore sample bag and the water allowed to slowly percolate through. The process is repeated as necessary until 1.5 to 2 kg of minus 30 mesh material was collected.

Rock and silt sample stations were marked with two different colours of flagging tape (pink and blue for rocks and orange and blue for silts) and a small aluminum tag, scribed with the sample number, date, type of sample, and the samplers' initials. Soil lines were marked with orange flagging and all sample sites were marked with a tyvek tag with the sample number marked on the tag with a china marker. Field duplicate soil and silt samples were marked the same as the original soil or silt but with a "D" following the number.

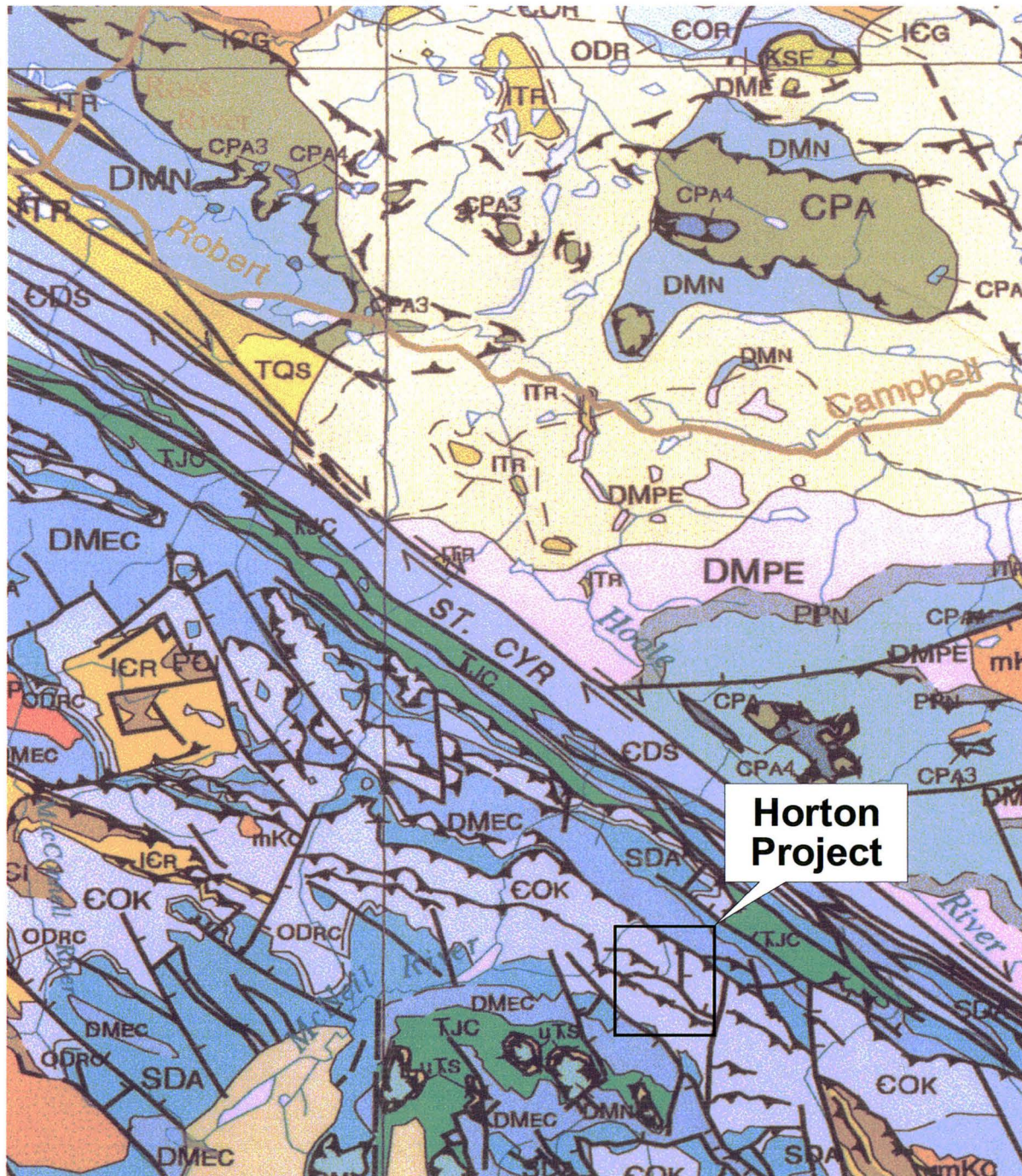
6.0 REGIONAL GEOLOGY

The target area is situated within the Cassiar Terrane, immediately southwest of the Tintina Fault Zone that separates the Cassiar Terrane from the Yukon Tanana Terrane to the northeast. The Cassiar Terrane, or Cassiar Platform, formed outboard of the Selwyn Basin in the Late Silurian to Middle Devonian (Gordey and Anderson, 1993). The Cassiar Terrane is comprised of Upper Proterozoic to Upper Triassic passive continental margin sedimentary rocks, which were subsequently displaced along the Tintina and Rocky Mountain Trench faults (Gordey and Makepeace, 1999).

132° 00'W

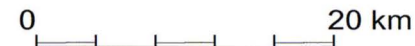
62° 00'N

62° 00'N



132° 00'W

Refer to following page for legend



RIMFIRE MINERALS CORPORATION

HORTON PROJECT

REGIONAL GEOLOGY



Date	Jan 2004	Scale	as shown	Figure
UTM Zone	Lat Long	Mining District	Watson Lake	3
NTS 105G/5, 6, 12 105F/09	State/Prov.	YUKON		

7.0 PROPERTY GEOLOGY and MINERALIZATION

7.1 Lithology

The dominant lithologies mapped within the project area include graphitic argillites, laminated to phyllitic siltstones and sandstones, and phyllites. All lithologies except the argillaceous units were typically very calcareous. Quartz-carbonate and quartz-only veins up to 50 cm true thickness are very abundant and were observed in all rock types. Veins were typically parallel to sub-parallel to the observed bedding or foliation of the host rock.

The dominant structural fabric parallels the NW-SE trend of the Tintina Trench. Bedding typically dips at shallow to moderate angles (26°-56°) towards the southwest but dips moderately to the NE at several localities. There is abundant evidence for significant folding. Where observed, fold axes had shallow plunges (<20°) and either NW or SE trends. A steeply-dipping to near-vertical, poor to moderately-well developed foliation was observed in the more phyllitic units. The foliation may be related to faulting and shearing related to displacement along the Tintina Fault or perhaps developed as an axial planar cleavage related to the observed folding.

7.2 Mineralization

Prospecting efforts identified two distinct types of mineralized veins. The best results were from milky white quartz veins with minor tetrahedrite (<1%) and variable amounts of secondary malachite ± azurite. This type of vein material was found in float material (#275356) near the top of the ridge east of Cooler creek and in outcrop at the north end of the ridge west of Camp creek (#275323).

The second type of vein consisted of quartz and carbonate gangue with sphalerite (up to 5%), pyrite (up to 1%), and abundant secondary hydrozincite. Samples from this vein type graded up to 13.8% Zn. Vein material was found in two localities, named 'The Phawg' and 'The Ridge', on the mountain to the southeast of camp. Mineralization at 'The Ridge' was eventually traced to source.

Only one sample (#275356) returned a significant Au value. The float sample of quartz-tetrahedrite vein material from the ridge east of Cooler creek yielded a result of 0.468 g/t Au. No Carli-type mineralization was noted.

The location and results from all rock samples are plotted in Figures 4 to 9 and significant results are presented below in Table 7.2.1.

Table 7.2.1: Rock Sample Results

SAMPLE	Sample Type	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	Hg (ppm)	Au (ppm)
275282	float	0.3	11	73	10	1	2.77%	2.95	<0.005
275283	float	1.4	26	112	115	1	10.75%	15.1	0.007
275284	float	1	12	140	53	6	13.80%	24.7	0.008
275285	float	1	8	136	1	5	13.35%	27.7	<0.005
275286	float	0.3	3	7	55	1	2330	0.63	<0.005
275291	outcrop	0.6	12	78	47	3	8.22%	14.9	0.01
275292	float	0.6	4	223	294	3	5.80%	11.15	<0.005
275293	float	3.4	58	9470	8	1	421	0.15	<0.005
275323	outcrop	124 g/t	988	4370	6	1465	1890	2.48	<0.005
275356	float	186 g/t	194	7130	30	4790	8200	1.61	0.468

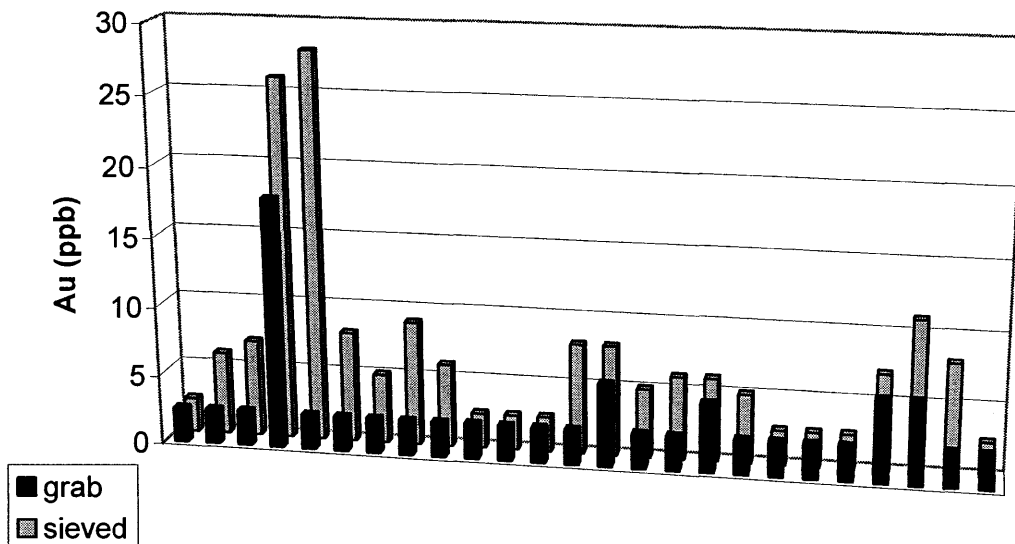
8.0 SILT GEOCHEMISTRY

A total of 36 conventional (grab) silt samples and 10 grab-sieved sample pairs were collected from accessible drainages within the main target area. During camp demobilization, 15 more grab-sieved sample pairs were collected from streams along 50 km of the Tintina Trench with the use of the helicopter. Sample locations and results from silt sampling are plotted in Figures 4 to 9.

RGS silt samples throughout the project area returned low (<5 ppb) Au values, including samples taken from the placer-bearing creeks, suggesting that conventional silts might not be suitable for evaluating the gold potential of the drainages in the project area. In order to test the effectiveness of conventional silt sampling, a fine sediment silt sample (field-sieved to 30 mesh or 500 μm) was collected with the intention of having the minus 250 mesh fraction analysed for comparison. Field-sieved samples were collected with a conventional (grab) silt sample at 25 sites for comparison. In error, the minus 250 mesh fraction from the field-sieved samples was not analysed.

The -80 mesh fraction of each sample was analysed for gold (30 g Fire Assay-Atomic Absorption Spectroscopy Combination) plus a multi-element suite (Inductively Coupled Plasma Mass Spectrometry). Nevertheless, a graphical comparative analysis of the minus 80 mesh fraction gold values is presented below in Figure 3.5. On average, the minus 80 mesh fraction from the sieved sample returned Au values 2.2 times higher than the conventional silt sample, with a maximum of 11.2 times higher. Eight of the 25 pairs returned gold values below detection from both samples.

Figure 3.5: Grab versus sieved silt sample comparison.



Class ranges used in Figures 5 to 9 are based on percentile levels calculated from the results and are summarized below in Table 9.1. Grab-sieved pairs are shown with the sieved sample value posted above the grab sample value. Anomalous levels compare reasonably well with RGS statistical levels from NTS 105G, with the exception of Pb, Sb, and Zn, which are notably higher within the Horton project area.

For the purposes of the following discussion, results greater than the 70th percentile for any particular element are considered weakly anomalous, greater than the 85th percentile are moderately anomalous, greater than the 95th percentile are highly anomalous, and greater than the 98th percentile are very highly anomalous.

Table 8.1: Silt Geochemistry Percentiles

Element	Ag	As	Au	Cu	Hg	Pb	Sb	Zn
Percentile	(ppm)	(ppm)	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
Population	86	86	86	86	86	86	86	86
Max Value	1.7	146	43	116	0.31	1240	51	2240
98th (RGS)	1.4 (0.9)	104 (150)	27 (32)	103 (93)	0.18 (0.26)	470 (59)	32 (7.8)	1746 (766)
95th (RGS)	1.3 (0.7)	93 (70)	22 (9)	86 (68)	0.14 (0.21)	98 (45)	23 (4.1)	1286 (502)
85th (RGS)	0.7 (0.4)	44 (30)	8 (n.a.)	59 (47)	0.10 (0.13)	36 (27)	12 (2.2)	519 (272)
70th (RGS)	0.5 (0.2)	32 (15)	6 (n.a.)	38 (36)	0.07 (0.09)	29 (19)	8 (1.1)	298 (185)

(RGS data from Hornbrook, 1988; Heon, 2003)

Within the main project area, results from silt sampling highlight Tiffanee creek, Emily creek, and to a lesser extent Cooler creek (Figures 5-9). Note, with the exception of Horton and Starr Creeks, creek names used in this discussion are all informal. Tiffanee and Emily creeks are both tributaries of Starr Creek and returned highly to very highly anomalous Au-in-silt values. Both creeks also returned excellent values of Sb-, Ag-, and Zn-in-silt, particularly Emily creek. The central fork of Cooler creek, on the west side of the ridge, shared a similar geochemical signature but did not yield results as high as Tiffanee and Emily creeks. The unnamed creek in the southern portion of the main project area did not yield particularly high values of Au, Sb, Ag, or Zn but did return moderately to highly anomalous Hg-in-silt values.

Of the 15 regional sample pairs that were collected from Starr Creek to the Mount Resistance area, 11 returned Au-in-silt values that are weakly anomalous or better. Similar to silt samples from the main project area, most of the 11 pairs with anomalous gold are also weakly to moderately anomalous in Sb, Ag, and Zn. One sample, the southeasternmost, was collected from a stream draining to the N-NE from Mount Resistance and returned very highly anomalous Au, Hg, and Zn, highly anomalous Ag, and moderately anomalous Sb.

9.0 SOIL GEOCHEMISTRY

Three contour soil lines (CLYFG4, CLYSH4 & 5) were established and form one nearly contiguous soil line > 6 km in length that covers the headwaters of the informally named Camp and Cooler creeks. A total of 128 soil samples, plus 8 duplicate samples were collected at 50 m intervals. Sample locations and results from soil sampling are plotted in Figures 4 to 9. Class ranges used in Figures 5 to 9 are based on percentile levels calculated from the results and are summarized below in Table 9.1. Duplicate samples show good correlation between the sample pairs.

For the purposes of the following discussion, results greater than the 70th percentile for any particular element are considered weakly anomalous, greater than the 85th percentile are moderately anomalous, greater than the 95th percentile are highly anomalous, and greater than the 98th percentile are very highly anomalous.

Table 9.1: Soil Geochemistry Percentiles

Element Percentile	Ag (ppm)	As (ppm)	Au (ppb)	Cu (ppm)	Hg (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Population	138	138	135	138	138	138	138	138
Max Value	9.4	204	31	326	1.4	58	57	12700
98th	5.9	110	23	198	0.6	49	33	1996
95th	4.0	54	14	148	0.4	42	26	1403
85th	1.4	34	10	75	0.2	34	13	452
70th	0.5	27	7	50	0.1	26	6	220

The best results from soil sampling cover the north end of the ridge immediately east of Camp creek. Nearly 1.5 km of soil line CLYSH5 (from ~750 m to 2200 m) was weakly to very highly anomalous in the elements Au-Sb-Hg-Ag-Zn (Figure 5-9). The contour soil line ends very near the tetrahedrite-bearing quartz vein (discussed in section 7.2) on the western side of the ridge. Similar geochemical anomalies on the east side of the ridge may indicate that veins may be much more extensive than observed.

A similar Au±Sb±Hg±Ag±Zn anomaly exists above the headwaters of Cooler creek. The elements Sb-Hg-Ag-Zn are only better than moderately anomalous over a restricted area 200 m length directly above the northern fork. The Au-in-soil however is much more pronounced with weakly anomalous or better values over the last ~800 m and in particular, the last ~300 m.

Several individual samples between the ridge separating Cooler creek from the eastern fork of Camp creek and the western fork of Camp creek returned highly to very highly anomalous Au-in-soil values. Other elements of interest (i.e. Sb, Hg, Ag, Zn) at these sites are weakly anomalous at best.

10.0 DISCUSSION AND RECOMMENDATIONS

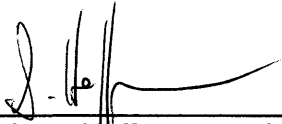
The 2003 exploration program on the Horton project was successful in identifying two distinct types of mineralized veins and confirming that many of the streams contain anomalous levels of Au. Unfortunately, the effectiveness of conventional versus fine-sediment silt sampling techniques was not fully tested as the minus 250 mesh fraction from field-sieved samples were not analysed. However, results from minus 80 mesh fraction of field-sieved samples returned higher Au values than conventional silts.

Neither the tetrahedrite-bearing or the sphalerite-bearing vein type is consistent with the original Carlin-type exploration model. Similarly, the geochemical signature from silts and soils was not consistent with a Carlin-style element suite (i.e., Au-As-Sb-Te-Hg). Indeed the Carlin-style exploration model seems to have limited potential within the Horton project area.

Future work on the Horton project should focus on delineating the extent and continuity of the mineralized veins. Grid soil sampling and detailed geological mapping in the vicinity of known vein occurrences would be very effective techniques to accomplish this. The Mount Resistance area was highlighted by the regional survey and should be followed up with more focused exploration.

An adequate source of the placer gold occurrences in the tributaries of Horton and Starr Creeks and in the Hoole River was not identified.

Respectfully submitted,
EQUITY ENGINEERING LTD.



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January 2004

APPENDIX A

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APPENDIX B

ROCK SAMPLE DESCRIPTIONS

MINERALS AND ALTERATION TYPES

AK	ankerite	AS	arsenopyrite	AZ	azurite
BA	barite	BI	biotite	BO	bornite
BT	pyrobitumen	CA	calcite	CB	Fe-carbonate
CD	chalcedony	CL	chlorite	CP	chalcopyrite
CY	clay	EP	epidote	GE	goethite
GL	galena	GR	graphite	HE	hematite
HS	specularite	HZ	hydrozincite	JA	jarosite
KF	potassium feldspar	MC	malachite	MG	magnetite
MN	Mn-oxides	MR	mariposite/fuchsite	MS	sericite
MT	marcasite	NE	neotocite	PL	pyrolusite
PO	pyrrhotite	PY	pyrite	QZ	quartz veining
RN	rhodonite	SB	stibnite	SI	silicification
SP	sphalerite	SR	scorodite	TT	tetrahedrite

ALTERATION INTENSITY

m	moderate	s	strong	tr	trace
vs	very strong	w	weak		

Rock Sample Descriptions

Project Name: Horton

Project: RFM03-20

NTS: 105G/5,6,12

Sample Number:	Grid North:	N	Grid East:	E	Type:	Alteration:	<u>Au (ppb)</u>	<u>Ag (ppm)</u>	<u>As (ppm)</u>	<u>Bi (ppm)</u>
275271 Horton	UTM 6838116	N	UTM 341474	E	Type: Float	Alteration: wCB	<5	0.3	<2	<2
	Elevation 3900	ft	Sample Width:		Strike Length Exp:	Metallics: 1%PY	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
					True Width:	Secondaries: wJA	30	23	<2	74
Host : Black shale										
Sampled By: TB Black shale float with 1% pyrite in creek float just above camp. Limey shale. 02-Jul-03										
275272 Horton	UTM 6838090	N	UTM 341432	E	Type: Float	Alteration: sCB, sQZ	<5	<0.2	<2	<2
	Elevation 3900	ft	Sample Width:		Strike Length Exp:	Metallics: trPY	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
					True Width:	Secondaries: wJA	1	<2	<2	10
Host : Limey black shale										
Sampled By: TB Taken just above camp on west side of creek. Quartz ankerite veins with pyrite. Hillside talus. 02-Jul-03										
275273 Horton	UTM 6837806	N	UTM 341064	E	Type: Float	Alteration: sQZ	<5	0.5	2	<2
	Elevation 4080	ft	Sample Width:		Strike Length Exp:	Metallics: trGL, trPY	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
					True Width:	Secondaries: wGE, wHE, wJA	4	36	<2	14
Host : Quartz ankerite										
Sampled By: TB Traces of lead and pyrite in creek float above camp, just below fork. 02-Jul-03										
275274 Horton	UTM 6837780	N	UTM 341364	E	Type: Float	Alteration: sCB, sQZ	<5	0.3	3	<2
	Elevation 4100	ft	Sample Width:		Strike Length Exp:	Metallics: trCP, >1%PY	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
					True Width:	Secondaries: wHE, wJA	84	5	<2	14
Host : Quartz-calcite-ankerite vein										
Sampled By: TB Taken just above sample 275273. 02-Jul-03										
275275 Horton	UTM 6837654	N	UTM 341394	E	Type: Float	Alteration: sCBm sQZ	<5	0.4	2	<2
	Elevation 4160	ft	Sample Width:		Strike Length Exp:	Metallics: trPY	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
					True Width:	Secondaries: wGE, wJA	8	14	<2	23
Host : Quartz-calcite-ankerite										
Sampled By: TB Taken in east fork of Camp Creek, above camp. 02-Jul-03										
275276 Horton	UTM 6837655	N	UTM 341298	E	Type: Grab	Alteration: CB	<5	0.2	4	<2
	Elevation 4220	ft	Sample Width:		Strike Length Exp: 2 m	Metallics: >1%PY	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
					True Width:	Secondaries: wJA	14	12	<2	51
Bedding 070°/30° SE Host : Black shale (limey)										
Sampled By: TB Taken in sheltered, folded outcrop. Disseminated pyrite. Up west fork of Camp Creek, above camp. 02-Jul-03										

Rock Sample Descriptions

Project Name: Horton

Project: RFM03-20

NTS: 105G/5,6,12

Sample Number: 275277 Horton	Grid North: UTM 6837544 Elevation 4400 ft	N	Grid East: UTM 341154 Sample Width: 1 160°/10° NE	E	Type: Grab Strike Length Exp: 50 m True Width: Host : Black shale	Alteration: sCB Metallics: >1%PY Secondaries: wHE, wJA	<u>Au (ppb)</u> <5 <u>Cu (ppm)</u> 14	<u>Ag (ppm)</u> <0.2 <u>Pb (ppm)</u> 12	<u>As (ppm)</u> <2 <u>Sb (ppm)</u> <2	<u>Bi (ppm)</u> <2 <u>Zn (ppm)</u> 63
Sampled By: TB 02-Jul-03	Taken up west fork of Camp Creek.									
Sample Number: 275278 Horton	Grid North: UTM 6838079 Elevation 3940 ft	N	Grid East: UTM 341681 Sample Width:	E	Type: Float Strike Length Exp: True Width: Host : Quartz-calcite-hematite-ankerite	Alteration: sCB Metallics: 10%HS, >1%PY Secondaries: mHE, mJA	<u>Au (ppb)</u> <5 <u>Cu (ppm)</u> 4	<u>Ag (ppm)</u> 0.5 <u>Pb (ppm)</u> <2	<u>As (ppm)</u> 81 <u>Sb (ppm)</u> <2	<u>Bi (ppm)</u> <2 <u>Zn (ppm)</u> 31
Sampled By: TB 03-Jul-03	Taken up east side creek just below camp.									
Sample Number: 275279 Horton	Grid North: UTM 6837606 Elevation 4350 ft	N	Grid East: UTM 342139 Sample Width:	E	Type: Float Strike Length Exp: True Width: Host : Quartz vein	Alteration: sQZ Metallics: trPY Secondaries: wJA	<u>Au (ppb)</u> <5 <u>Cu (ppm)</u> 6	<u>Ag (ppm)</u> <0.2 <u>Pb (ppm)</u> <2	<u>As (ppm)</u> 2 <u>Sb (ppm)</u> <2	<u>Bi (ppm)</u> <2 <u>Zn (ppm)</u> 49
Sampled By: TB 03-Jul-03	Possible sheeted vein float taken up first dry gully from north side of side creek.									
Sample Number: 275280 Horton	Grid North: UTM 6837450 Elevation 4520 ft	N	Grid East: UTM 342245 Sample Width:	E	Type: Float Strike Length Exp: True Width: Host : Quartz vein	Alteration: Metallics: 1-2%PY Secondaries: mHE, mJA	<u>Au (ppb)</u> 30 <u>Cu (ppm)</u> 65	<u>Ag (ppm)</u> 0.3 <u>Pb (ppm)</u> 11	<u>As (ppm)</u> 2 <u>Sb (ppm)</u> <2	<u>Bi (ppm)</u> <2 <u>Zn (ppm)</u> 109
Sampled By: TB 03-Jul-03	Sugary quartz float with 1-2% pyrite. Taken in east fork.									
Sample Number: 275281 Horton	Grid North: UTM 6837211 Elevation 4725 m	N	Grid East: UTM 342092 Sample Width:	E	Type: Float Strike Length Exp: True Width: Host : Phyllites	Alteration: sCB, sQZ Metallics: 1-2% PY Secondaries: mGE, mHE, mJA	<u>Au (ppb)</u> <5 <u>Cu (ppm)</u> 5	<u>Ag (ppm)</u> <0.2 <u>Pb (ppm)</u> 12	<u>As (ppm)</u> 2 <u>Sb (ppm)</u> <2	<u>Bi (ppm)</u> <2 <u>Zn (ppm)</u> 10
Sampled By: TB 03-Jul-03	Sample taken on south slope above south fork of Camp side creek.									
Sample Number: 275282 Horton	Grid North: UTM 6836930 Elevation 5450 ft	N	Grid East: UTM 658525 Sample Width:	E	Type: Float Strike Length Exp: True Width: Host : Quartz vein	Alteration: sQZ Metallics: trCP, >1%PY, 2-3%SP Secondaries: sGE, sHE, sJA	<u>Au (ppb)</u> <5 <u>Cu (ppm)</u> 73	<u>Ag (ppm)</u> 0.3 <u>Pb (ppm)</u> 10	<u>As (ppm)</u> 11 <u>Sb (ppm)</u> <2	<u>Bi (ppm)</u> <2 <u>Zn (ppm)</u> 2.77 %
Sampled By: TB 03-Jul-03	Source is nice zinc in hillside talus in upper basin of main west fork of Camp Creek.									

Rock Sample Descriptions

Project Name: Horton

Project: RFM03-20

NTS: 105G/5,6,12

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sCB, sQZ	<u>Au (ppb)</u>	<u>Ag (ppm)</u>	<u>As (ppm)</u>	<u>Bi (ppm)</u>
275283	UTM 6836925	N	UTM 658526	E	Strike Length Exp:	Metallics: trPY, 2-3%SP	7	1.4	26	<2
Horton	Elevation 5455	ft	Sample Width:		True Width:	Secondaries: mHE, mJA	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
					Host : Quartz-carbonate-altered shale		112	115	<2	10.75 %
Sampled By: TB	Taken 5 m above 275282. More zinc float in talus.									
03-Jul-03										
Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sCB, sQZ	<u>Au (ppb)</u>	<u>Ag (ppm)</u>	<u>As (ppm)</u>	<u>Bi (ppm)</u>
275284	UTM 6836912	N	UTM 658516	E	Strike Length Exp:	Metallics: trPY, 2-3%SP	8	1	12	<2
Horton	Elevation		Sample Width:		True Width:	Secondaries: mHE, mJA	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
					Host : Quartz-carbonate-altered shale		140	53	6	13.8 %
Sampled By: TB	20 metres above 275283. Sample more zinc in hillside talus.									
03-Jul-03										
Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sCB, sQZ	<u>Au (ppb)</u>	<u>Ag (ppm)</u>	<u>As (ppm)</u>	<u>Bi (ppm)</u>
275285	UTM 6836886	N	UTM 658512	E	Strike Length Exp:	Metallics: trPY, 2-3%SP	<5	1	8	<2
Horton	Elevation		Sample Width:		True Width:	Secondaries: mHE, mJA	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
					Host :		136	<2	5	13.35 %
Sampled By: TB	15 metres above 275284. More zinc and pyrite in sidehill talus.									
03-Jul-03										
Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sCB	<u>Au (ppb)</u>	<u>Ag (ppm)</u>	<u>As (ppm)</u>	<u>Bi (ppm)</u>
275286	UTM 6838160	N	UTM 341363	E	Strike Length Exp:	Metallics: trPY	<5	0.3	3	<2
Horton	Elevation 3950	ft	Sample Width:		True Width:	Secondaries: mHE, mJA	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
					Host : Sediments		7	55	<2	2330
Sampled By: TB	Taken up west side creek, right across from camp.									
04-Jul-03										
Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sCB, sQZ	<u>Au (ppb)</u>	<u>Ag (ppm)</u>	<u>As (ppm)</u>	<u>Bi (ppm)</u>
275287	UTM 6838195	N	UTM 341170	E	Strike Length Exp:	Metallics:	<5	0.2	3	<2
Horton	Elevation 4280	ft	Sample Width:		True Width:	Secondaries: sHE, sJA	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
					Host : Quartz stockwork sediments		23	38	<2	309
Sampled By: TB										
04-Jul-03										
Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCB	<u>Au (ppb)</u>	<u>Ag (ppm)</u>	<u>As (ppm)</u>	<u>Bi (ppm)</u>
275288	UTM 6837605	N	UTM 658376	E	Strike Length Exp: 50 m	Metallics: 1-5%PY	<5	0.6	56	<2
Horton	Elevation 5125	ft	Sample Width: 1	m	True Width: 1	Secondaries: wGE, wJA	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
			135° / ° V		Host : Sediments		45	60	8	198
Sampled By: TB	Taken in next creek west of Camp Creek in second east side creek up from the bottom. Strong carbonate-altered sediments form resistant ridge in talus.									
05-Jul-03										

Rock Sample Descriptions

Project Name: Horton

Project: RFM03-20

NTS: 105G/5,6,12

Sample Number:	Grid North:	N	Grid East:	E	Type:	Alteration:	<u>Au (ppb)</u>	<u>Ag (ppm)</u>	<u>As (ppm)</u>	<u>Bi (ppm)</u>
275289 Horton	UTM 6837595	N	UTM 658370	E	Strike Length Exp: 50 m	Alteration: sCB Metallics: 1-3%PY	<5	1.2	23	<2
	Elevation 5125	ft	Sample Width: 50	cm	True Width: 50 cm	Secondaries: mGE, MHE, mJA	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
			135° V		Host: Sediments		25	36	5	118
Sampled By: TB 05-Jul-03	Taken 5 metres south of 275288 on same outcrop.									
275290 Horton	UTM 6837438	N	UTM 658014	E	Strike Length Exp:	Alteration: sCB Metallics: >1%PY	<5	0.2	3	<2
	Elevation		Sample Width:		True Width:	Secondaries: wGE, wJA	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
					Host: Black shale		12	4	<2	46
Sampled By: TB 05-Jul-03	Taken in top end of second east side creek heading south on next creek west of Camp Creek.									
275291 Horton	UTM 6837102	N	UTM 657853	E	Strike Length Exp: 10 m	Alteration: sCB, sQZ Metallics: trPY, 1-3%SP	10	0.6	12	2
	Elevation 5780	ft	Sample Width: 50	cm	True Width: 50 cm	Secondaries: sHE, sJA, sHZ	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
					Host: Phyllites		78	47	3	8.22 %
Sampled By: TB 05-Jul-03	One to 1.5 m wide area of strong quartz-carbonate alteration. Nice zinc with strong hydrozincite. Taken on ridge between Star Creek and next creek west of Camp Creek.									
275292 Horton	UTM 6837102	N	UTM 657853	E	Strike Length Exp: 10 m	Alteration: sCB, sQZ Metallics: trPY, 1-3%SP	<5	0.6	4	4
	Elevation 5780	ft	Sample Width: 50	cm	True Width: 50 cm	Secondaries: sHE, sJA, sHZ	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
					Host: Phyllites		223	294	3	5.8 %
Sampled By: TB 05-Jul-03	Loose stuff near 275291. Taken 2 metres away on ridge between Star Creek and next creek west of Camp Creek.									
275293 Horton	UTM 6837090	N	UTM 657907	E	Strike Length Exp:	Alteration: sCB, sQZ Metallics: 1-2%CP, trPY	<5	3.4	58	3
	Elevation 5810	m	Sample Width:		True Width:	Secondaries: mHE, mJA	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
					Host: Phyllites		9470	8	<2	421
Sampled By: TB 05-Jul-03	Taken 30 m up ridge from 275292. Narrow (10 cm) wide quartz-carbonate vein. Subcrop sample.									
275322 Horton	UTM 6835216	N	UTM 658026	E	Strike Length Exp: 50 m	Alteration: Metallics:	<5	0.4	11	4
	Elevation		Sample Width:		True Width:	Secondaries:	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
					Host: Tufa		90	10	<2	381
Sampled By: SRH 02-Jul-03	Weird place to find tufa (?). Occurs for about 50 metres along and in creek.									

Rock Sample Descriptions

Project Name: Horton

Project: RFM03-20

NTS: 105G/5,6,12

Sample Number: 275323 Horton	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
	UTM 6839194	N	UTM 659537	E	Strike Length Exp:	Metallics: trAS	<5	124 g/t	988	<2
	Elevation		Sample Width:		True Width:	Secondaries: mAZ, mMC	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
		Folding 300°/°			Host : Calcareous siltstone		4370	6	1465	1890
Sampled By: SRH 05-Jul-03	Outcrop is very folded with fold axis typically 120° or 300° with shallow varying plunge. Trace arsenopyrite with abundant azurite and malachite everywhere.									
Sample Number: 275324 Horton	Grid North:	N	Grid East:	E	Type: Grab	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
	UTM 6839194	N	UTM 658537	E	Strike Length Exp:	Metallics:	<5	1.3	12	2
	Elevation		Sample Width:		True Width:	Secondaries:	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
					Host : Calcareous siltstone		50	4	12	201
Sampled By: SRH 05-Jul-03	Host rock to vein sample 275323. Fold axis 140/25									
Sample Number: 275352 Horton	Grid North:	N	Grid East:	E	Type: Float	Alteration: CB,QZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
	UTM 6836450	N	UTM 341800	E	Strike Length Exp:	Metallics:	<5	0.3	3	3
	Elevation		Sample Width:		True Width:	Secondaries:	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
					Host :		12	28	3	56
Sampled By: FG 01-Jul-03	Quartz-carbonate float found throughout valley of calcareous, carbonaceous, fissile, thinly-bedded black shales and phyllites. Coordinates approximate.									
Sample Number: 275353 Horton	Grid North:	N	Grid East:	E	Type: Float	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
	UTM 6838471	N	UTM 656875	E	Strike Length Exp:	Metallics:	<5	<0.2	<2	<2
	Elevation		Sample Width:		True Width:	Secondaries:	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
					Host : Quartz carbonate float		5	2	3	24
Sampled By: FG 02-Jul-03	Quartz float in creek bed.									
Sample Number: 275354 Horton	Grid North:	N	Grid East:	E	Type: Select	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
	UTM 6839740	N	UTM 658127	E	Strike Length Exp: 1 m	Metallics: <1%PY	<5	<0.2	10	<2
	Elevation		Sample Width: 3 cm		True Width: 3 cm	Secondaries:	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
		Bedding 172°/52° S			Host : Silicified calcareous pyritic shale/mudstone		11	12	<2	56
Sampled By: FG 02-Jul-03	5 m upstream of gossan.									
Sample Number: 275355 Horton	Grid North:	N	Grid East:	E	Type: Select	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
	UTM 6839740	N	UTM 658127	E	Strike Length Exp: 1 m	Metallics:	<5	1.3	16	2
	Elevation		Sample Width: 7 cm		True Width: 7 cm	Secondaries:	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
		Vein/Bedding 172°/52° S			Host : Quartz-carbonate vein in shale outcrop		118	98	10	137
Sampled By: FG 02-Jul-03										

Rock Sample Descriptions

Project Name: Horton

Project: RFM03-20

NTS: 105G/5,6,12

Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Alteration:	sQZ	<u>Au (ppb)</u>	<u>Ag (ppm)</u>	<u>As (ppm)</u>	<u>Bi (ppm)</u>
275356	UTM 6837200	N	UTM 342581	E	Strike Length Exp:		Metallics:	1%AS	448	186 g/t	194	<2
Horton	Elevation 1716	m	Sample Width:		True Width:		Secondaries:	1%MA	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
					Host:	Calcareous mudstone			7130	30	4790	8200
Sampled By: FG 04-Jul-03	Quartz float found just below saddle. Quartz float traced uphill but no additional mineralization seen.											

APPENDIX C

CERTIFICATES OF ANALYSIS



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: EQUITY ENGINEERING LTD.

700-700 W PENDER ST

VANCOUVER BC V6C 1G8

Page #: 1

Date : 26-Nov-2003

Account: EIA

CERTIFICATE VA03024889

Project : RFM03-20

P.O. No:

This report is for 31 ROCK samples submitted to our lab in Vancouver, BC, Canada on 11-Jul-2003.

The following have access to data associated with this certificate:

HENRY AWMACK

SCOTT HEFFERNAN

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21	Split sample - riffle splitter
CRU-31	Fine crushing - 70% <2mm
LOG-22	Sample login - Rcd w/o BarCode
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-AA46	Ore grade Zn - aqua regia/AA	AAS
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
Au-AA23	Au 30g FA-AA finish	AAS

To: EQUITY ENGINEERING LTD.

ATTN: SCOTT HEFFERNAN

700-700 W PENDER ST

VANCOUVER BC V6C 1G8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

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Page #: 2 - A
Total # of pages : 2 (A - C)
Date : 26-Nov-2003
Account: EIA

Project : RFM03-20

CERTIFICATE OF ANALYSIS VA03024889

Sample Description	Method	WEI-21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
275271		1.20	0.3	1.58	<2	<10	130	<0.5	<2	6.88	<0.5	13	35	30	3.27	<10
275272		0.94	<0.2	0.13	<2	<10	20	<0.5	<2	12.30	0.7	2	55	1	2.51	<10
275273		0.74	0.5	0.16	2	<10	40	<0.5	<2	8.66	<0.5	2	145	4	0.67	<10
275274		0.74	0.3	0.93	3	<10	10	<0.5	<2	13.25	1.7	8	38	84	5.32	<10
275275		0.34	0.4	0.13	2	<10	50	<0.5	<2	>15	1.0	4	52	8	3.27	<10
275276		0.60	0.2	1.11	4	<10	170	<0.5	<2	4.68	0.7	10	33	14	2.52	<10
275277		0.78	<0.2	0.92	<2	<10	130	<0.5	<2	3.18	<0.5	10	22	14	2.30	<10
275278		0.64	0.5	0.11	81	<10	40	<0.5	<2	11.05	1.2	4	77	4	3.47	<10
275279		0.98	<0.2	0.06	2	<10	310	<0.5	<2	1.78	<0.5	2	214	6	0.78	<10
275280		0.62	0.3	0.51	2	<10	110	<0.5	<2	0.26	<0.5	14	229	65	4.01	<10
275281		0.80	<0.2	0.25	2	<10	50	<0.5	<2	7.35	0.7	5	105	5	2.50	<10
275282		0.64	0.3	0.09	11	<10	30	<0.5	<2	>15	89.9	9	79	73	3.48	<10
275283		0.78	1.4	0.16	26	<10	70	<0.5	<2	12.95	392	24	47	112	2.84	<10
275284		0.90	1.0	0.10	12	<10	50	<0.5	<2	9.48	>500	33	58	140	3.56	<10
275285		0.60	1.0	0.05	8	10	20	<0.5	<2	8.83	>500	35	87	136	3.69	20
275286		0.82	0.3	0.13	3	<10	60	<0.5	<2	13.35	13.4	6	35	7	5.68	<10
275287		1.44	0.2	0.29	3	<10	50	<0.5	<2	13.90	3.0	13	58	23	4.99	<10
275288		0.78	0.6	0.37	56	<10	60	<0.5	<2	4.02	1.9	45	73	45	7.83	<10
275289		1.04	1.2	0.39	23	<10	130	<0.5	<2	2.70	1.6	12	82	25	3.56	<10
275290		1.10	0.2	0.11	3	<10	30	<0.5	<2	11.45	1.5	5	68	12	3.99	<10
275291		0.52	0.6	0.23	12	<10	50	<0.5	2	11.55	258	19	67	78	3.12	<10
275292		0.62	0.6	0.62	4	<10	40	<0.5	4	14.40	191.0	15	74	223	3.78	10
275293		0.60	3.4	0.33	58	<10	30	<0.5	3	>15.0	2.7	37	74	9470	4.75	<10
275322		0.70	0.4	0.19	11	<10	120	<0.5	4	>15.0	3.0	3	7	90	0.52	<10
275323		0.52	>100	0.21	988	<10	590	<0.5	<2	4.80	58.0	1	304	4370	0.41	10
275324		1.40	1.3	0.25	12	<10	220	<0.5	2	>15.0	5.2	1	97	50	0.23	<10
275352		1.40	0.3	0.10	3	<10	40	<0.5	3	>15.0	1.4	2	103	12	1.46	<10
275353		1.32	<0.2	0.01	<2	<10	170	<0.5	<2	2.52	<0.5	1	292	5	0.53	<10
275354		0.52	<0.2	0.09	10	<10	140	<0.5	<2	14.80	0.9	2	65	11	0.83	<10
275355		0.88	1.3	0.03	16	<10	90	<0.5	2	4.38	1.0	1	272	118	0.67	<10
275356		0.50	>100	0.03	194	<10	30	<0.5	<2	6.65	122.0	5	180	7130	3.11	<10

Comments: Highly mineralized samples may bias results for some elements.



ALS Chemex

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CERTIFICATE OF ANALYSIS VA03024889

Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Ti % 0.01
275271	0.01	0.26	10	1.27	289	2	0.02	27	720	23	0.42	<2	2	402	0.01
275272	0.01	0.06	<10	4.82	348	<1	0.01	7	130	<2	0.01	<2	1	212	<0.01
275273	0.01	0.07	<10	0.25	249	1	0.01	6	470	36	0.04	<2	1	890	<0.01
275274	0.01	0.01	<10	4.11	1425	<1	<0.01	15	160	5	0.11	<2	2	333	<0.01
275275	0.01	0.09	<10	2.86	519	1	0.01	6	160	14	0.06	<2	1	866	<0.01
275276	0.01	0.33	10	1.11	302	1	0.01	25	550	12	0.32	<2	2	328	<0.01
275277	0.01	0.16	10	1.10	210	2	0.01	27	530	12	0.18	<2	1	198	<0.01
275278	0.01	0.04	<10	5.62	689	1	<0.01	10	250	<2	0.18	<2	2	628	<0.01
275279	<0.01	0.04	<10	0.79	101	1	<0.01	20	80	<2	0.03	<2	<1	29	<0.01
275280	0.01	0.09	<10	0.40	331	2	<0.01	20	550	11	0.53	<2	2	27	<0.01
275281	0.01	0.14	10	2.11	354	1	0.01	10	780	12	0.05	<2	2	254	<0.01
275282	2.95	0.05	<10	2.35	1725	<1	0.01	8	320	10	1.02	<2	2	395	<0.01
275283	15.10	0.09	<10	1.38	1355	<1	0.01	15	400	115	3.11	<2	2	344	<0.01
275284	24.7	0.06	<10	1.74	1110	<1	0.01	17	250	53	2.61	6	2	224	<0.01
275285	27.7	0.03	<10	3.05	1545	<1	<0.01	20	70	<2	3.23	5	1	172	<0.01
275286	0.63	0.02	<10	3.03	804	1	0.01	14	400	55	0.09	<2	4	172	<0.01
275287	0.09	0.04	<10	3.63	960	2	0.01	62	340	38	0.09	<2	3	228	<0.01
275288	0.06	0.05	10	2.39	480	3	0.09	110	1630	60	3.53	8	9	245	<0.01
275289	0.03	0.11	10	1.41	310	6	0.08	34	1110	36	0.71	5	4	146	<0.01
275290	0.01	0.05	<10	3.55	767	<1	0.01	8	200	4	0.08	<2	2	304	<0.01
275291	14.90	0.04	10	2.80	1235	1	0.01	9	290	47	2.83	3	2	376	<0.01
275292	11.15	0.04	10	3.55	1670	<1	0.01	11	280	294	1.42	3	2	413	<0.01
275293	0.15	0.01	10	3.14	2020	<1	<0.01	30	90	8	0.90	<2	2	392	<0.01
275322	0.08	0.07	<10	0.65	103	2	0.01	20	180	10	0.18	<2	1	342	<0.01
275323	2.48	0.01	<10	0.48	69	2	<0.01	27	410	6	0.16	1465	<1	369	<0.01
275324	0.12	0.11	10	1.01	42	3	<0.01	22	1500	4	0.07	12	1	763	<0.01
275352	0.04	0.04	10	1.15	356	<1	<0.01	6	90	28	<0.01	3	2	458	<0.01
275353	0.01	<0.01	<10	0.10	40	1	<0.01	7	<10	2	<0.01	3	<1	117	<0.01
275354	0.01	0.08	10	3.24	564	2	<0.01	13	590	12	0.70	<2	1	613	<0.01
275355	0.07	0.03	<10	0.40	184	3	<0.01	11	200	98	0.27	10	<1	267	<0.01
275356	1.61	0.02	<10	3.01	276	1	<0.01	11	70	30	0.80	4790	2	280	<0.01

Comments: Highly mineralized samples may bias results for some elements.



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CERTIFICATE OF ANALYSIS VA03024889

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-AA23	Au-AA23	Zn-AA46	Ag-GRA21
		Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Au ppm 0.005	Au Check ppm 0.005	Zn % 0.01	Ag ppm 5
275271		<10	<10	12	<10	74	<0.005			
275272		<10	<10	4	<10	10	<0.005			
275273		<10	<10	3	<10	14	<0.005			
275274		<10	<10	9	<10	14	<0.005			
275275		<10	<10	1	<10	23	<0.005			
275276		<10	<10	7	<10	51	<0.005			
275277		<10	<10	7	<10	63	<0.005			
275278		<10	<10	18	<10	31	<0.005			
275279		<10	<10	1	<10	49	<0.005			
275280		<10	<10	7	<10	109	0.030			
275281		<10	<10	2	<10	10	<0.005			
275282		<10	<10	2	<10	>10000	<0.005		2.77	
275283		<10	<10	5	<10	>10000	0.007		10.75	
275284		<10	<10	5	<10	>10000	0.008		13.80	
275285		<10	<10	3	<10	>10000	<0.005		13.35	
275286		<10	<10	17	<10	2330	<0.005			
275287		<10	<10	5	<10	309	<0.005			
275288		<10	<10	24	<10	198	<0.005			
275289		<10	<10	25	<10	118	<0.005			
275290		<10	<10	9	<10	46	<0.005			
275291		10	<10	6	<10	>10000	0.010		8.22	
275292		10	<10	10	10	>10000	<0.005		5.80	
275293		<10	<10	5	<10	421	<0.005			
275322		10	<10	9	<10	381	<0.005			
275323		10	<10	129	<10	1890	<0.005			124
275324		10	<10	99	<10	201	<0.005			
275352		10	<10	5	<10	56	<0.005			
275353		10	<10	3	<10	24	<0.005			
275354		10	<10	10	<10	56	<0.005			
275355		<10	<10	4	<10	137	<0.005			
275356		10	<10	13	<10	8200	0.468	0.428		186

Comments: Highly mineralized samples may bias results for some elements.



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Account: EIA

CERTIFICATE VA03024950

Project : RFM03-20

P.O. No:

This report is for 87 STREAM SEDIMENT samples submitted to our lab in Vancouver, BC, Canada on 11-Jul-2003.

The following have access to data associated with this certificate:

HENRY AWMACK

SCOTT HEFFERNAN

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
Au-AA23	Au 30g FA-AA finish	AAS

To: EQUITY ENGINEERING LTD.

ATTN: SCOTT HEFFERNAN

700-700 W PENDER ST

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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:



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CERTIFICATE OF ANALYSIS VA03024950

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
133583		0.34	1.2	0.52	14	<10	60	<0.5	<2	2.69	2.3	14	8	56	2.98	<10
133584		0.32	0.4	0.24	24	<10	60	<0.5	2	4.65	1.7	16	4	36	2.99	<10
133585		0.30	<0.2	0.47	18	<10	80	<0.5	2	4.59	1.4	12	11	26	2.46	<10
133586		0.36	0.5	0.67	10	<10	90	<0.5	<2	4.18	2.2	12	11	27	2.59	<10
133587		0.36	0.3	0.39	23	<10	60	<0.5	<2	6.18	1.6	13	6	30	2.78	<10
133588		0.30	0.4	0.53	13	<10	90	<0.5	2	7.15	1.9	12	7	27	2.52	<10
133589		0.52	0.2	0.32	20	<10	60	<0.5	<2	8.22	1.1	12	5	28	2.57	<10
133590		1.70	<0.2	0.28	24	<10	100	<0.5	2	5.10	1.8	12	7	29	2.69	<10
133591		0.50	0.4	0.32	21	<10	120	<0.5	<2	4.99	1.7	13	8	36	2.67	<10
133592		0.42	0.4	0.28	28	<10	90	<0.5	<2	5.25	1.8	13	6	31	2.80	<10
133593		0.42	0.3	0.29	22	<10	90	<0.5	<2	5.02	1.6	13	7	29	2.68	<10
133594		1.94	0.2	0.17	36	<10	130	<0.5	<2	6.05	2.8	11	4	32	2.48	<10
133595		0.44	0.3	0.21	38	<10	90	<0.5	<2	5.36	2.3	14	4	34	2.94	<10
133596		0.42	0.6	0.21	38	<10	60	<0.5	2	5.23	1.8	15	3	35	3.28	<10
133597		0.42	0.4	0.14	41	<10	140	<0.5	<2	6.10	3.5	11	4	34	2.40	<10
133598		0.40	0.4	0.14	28	<10	130	0.5	<2	4.92	2.5	11	6	29	2.38	<10
133599		2.04	<0.2	0.31	24	<10	180	<0.5	<2	4.84	1.7	12	9	27	2.55	<10
133600		0.42	0.2	0.32	22	<10	140	<0.5	<2	5.10	1.8	11	7	29	2.64	<10
459101		0.58	0.2	0.47	14	<10	70	<0.5	<2	2.22	1.1	13	7	30	2.81	<10
459102		0.50	<0.2	0.27	26	<10	110	<0.5	<2	5.38	2.1	12	6	29	2.66	<10
459103		0.42	<0.2	0.30	24	<10	120	<0.5	2	5.01	2.4	16	8	27	3.05	<10
459104		0.38	1.3	0.46	90	<10	1210	<0.5	<2	1.60	12.5	15	7	88	3.63	<10
459105		0.48	1.7	0.51	146	<10	650	<0.5	<2	1.34	16.0	12	8	116	3.13	<10
459106		0.36	0.4	0.41	26	<10	860	<0.5	<2	1.68	3.6	11	7	46	2.64	<10
459107		0.54	0.6	0.37	34	<10	840	<0.5	<2	1.52	4.2	11	8	73	2.99	<10
459108		1.58	1.3	0.46	114	<10	840	<0.5	<2	1.47	12.2	12	8	95	3.17	<10
459109		0.38	0.8	0.48	37	<10	2620	<0.5	<2	2.73	8.8	11	9	71	2.28	<10
459110		0.90	1.1	0.59	44	<10	3360	<0.5	<2	2.08	13.4	11	11	102	2.49	<10
459111		0.52	1.3	0.24	94	<10	940	<0.5	2	2.11	4.2	12	5	34	4.10	<10
459112		0.48	1.1	0.20	100	<10	880	<0.5	<2	2.27	4.7	11	5	43	3.86	<10
459113		0.98	0.4	0.17	25	<10	330	<0.5	<2	0.29	1.1	8	4	51	2.29	<10
459114		0.32	0.4	0.16	21	<10	240	<0.5	<2	0.24	0.9	7	3	47	2.03	<10
459115		1.26	0.3	0.32	26	<10	430	<0.5	<2	3.87	1.9	8	10	28	2.07	<10
459116		0.32	0.4	0.32	27	<10	340	<0.5	<2	3.68	1.8	9	9	31	2.13	<10
459117		1.50	0.2	0.59	34	<10	60	<0.5	<2	4.09	1.0	17	8	35	3.11	<10
459118		0.48	<0.2	0.59	29	<10	60	<0.5	<2	4.01	0.9	16	8	35	3.08	<10
459119		1.74	0.2	0.49	20	<10	120	<0.5	2	4.98	1.7	15	7	33	3.07	<10
459120		0.48	0.2	0.50	16	<10	110	<0.5	2	4.95	1.4	14	7	33	3.07	<10
133435		0.92	0.4	0.41	18	<10	50	<0.5	<2	5.27	1.7	15	6	32	3.03	<10
133436		0.42	0.4	0.43	17	<10	60	<0.5	<2	4.94	1.8	15	6	34	2.97	<10

Comments: NSS is non-sufficient sample.



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CERTIFICATE OF ANALYSIS VA03024950

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt kg	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	0.01	10	
133437		0.50	<0.2	0.47	14	<10	60	<0.5	<2	4.33	2.0	15	6	30	2.87	<10
133438		0.50	0.2	0.36	16	<10	50	<0.5	2	5.72	1.4	14	5	29	2.90	<10
133439		0.58	0.5	0.63	20	<10	80	<0.5	2	3.03	2.0	16	9	44	3.20	<10
133440		1.34	0.3	0.46	18	<10	90	<0.5	<2	4.74	1.9	14	7	38	2.92	<10
133441		0.58	0.5	0.47	20	<10	90	<0.5	2	4.83	2.0	15	7	36	2.96	<10
133442		1.68	0.2	0.45	17	<10	140	<0.5	<2	4.71	2.0	13	7	33	2.80	<10
133443		0.56	0.2	0.45	15	<10	130	<0.5	<2	4.62	1.9	13	7	33	2.76	<10
133444		0.54	0.4	0.70	37	<10	1520	<0.5	<2	0.60	4.5	12	16	61	2.85	<10
133445		0.70	0.7	0.54	20	<10	90	<0.5	<2	3.10	2.6	17	8	48	3.39	<10
133446		0.60	1.1	0.41	32	<10	170	<0.5	<2	3.30	3.9	14	8	59	2.87	<10
133447		0.54	1.5	0.30	52	<10	290	0.5	<2	2.69	9.2	14	10	105	3.01	<10
133448		0.58	0.4	0.45	29	<10	80	0.5	<2	3.46	1.9	18	6	46	3.10	<10
133392		0.50	0.3	0.29	31	<10	60	<0.5	<2	8.96	1.3	14	5	37	2.90	<10
133393		0.50	0.5	0.16	27	<10	170	<0.5	<2	5.21	2.8	8	5	27	2.11	<10
133394		0.56	0.2	0.21	26	<10	50	<0.5	2	8.09	1.9	12	4	32	2.87	<10
133395		0.66	0.5	0.17	26	<10	190	<0.5	<2	6.63	3.0	10	4	29	2.33	<10
133449		1.62	0.9	0.24	40	<10	900	<0.5	<2	1.32	3.2	12	5	55	2.79	<10
133450		0.48	1.0	0.24	44	<10	560	<0.5	<2	1.49	4.8	13	5	75	2.96	<10
459201		1.78	0.5	0.34	83	<10	200	<0.5	2	2.34	3.0	16	6	60	3.47	<10
459202		0.44	0.6	0.35	96	<10	190	<0.5	<2	2.14	3.7	18	6	66	3.91	<10
459203		1.24	0.3	0.43	13	<10	450	<0.5	<2	6.11	2.3	10	21	25	2.05	<10
459204		0.58	0.4	0.46	15	<10	430	<0.5	<2	6.13	2.9	11	23	27	2.13	<10
459205		0.94	0.3	0.31	34	<10	110	<0.5	<2	3.82	2.2	12	5	41	2.81	<10
459206		0.48	0.4	0.33	37	<10	130	<0.5	<2	4.09	2.1	13	5	42	2.98	<10
459207		1.18	0.2	0.41	18	<10	160	<0.5	2	5.46	2.0	11	8	31	2.41	<10
459208		0.46	0.6	0.39	21	<10	150	<0.5	<2	5.88	2.4	12	8	34	2.38	<10
133396		0.70	0.4	0.26	31	<10	50	<0.5	<2	8.25	1.9	16	4	38	3.07	<10
133397		0.62	<0.2	0.24	29	<10	50	<0.5	2	7.84	1.2	13	4	35	2.90	<10
133398		0.62	0.5	0.15	23	<10	140	<0.5	<2	6.35	2.6	9	4	27	2.18	<10
133399		0.66	0.4	0.26	25	<10	120	<0.5	<2	7.81	1.7	12	5	34	2.74	<10
133400		0.78	0.4	0.15	25	<10	170	<0.5	<2	5.90	2.7	9	4	26	2.13	<10
459151		1.78	0.3	0.16	22	<10	130	<0.5	<2	6.53	2.3	9	4	26	2.23	<10
459152		0.68	0.4	0.13	25	<10	120	<0.5	<2	5.38	2.8	8	4	27	2.05	<10
459153		2.18	0.3	0.12	22	<10	140	<0.5	<2	5.22	2.8	8	4	25	1.94	<10
459154		1.96	0.3	0.16	20	<10	110	<0.5	<2	2.46	1.8	6	5	24	1.53	<10
459155		0.70	0.3	0.18	22	<10	120	<0.5	<2	2.56	2.1	7	6	27	1.74	<10
459156		1.88	0.4	0.42	11	<10	410	0.5	<2	4.23	3.6	7	10	26	1.98	<10
459157		0.66	0.3	0.40	10	<10	370	0.5	<2	4.32	3.5	7	9	26	1.96	<10
459158		1.64	0.3	0.46	50	<10	220	<0.5	<2	3.02	1.4	14	11	35	2.94	<10
459159		0.86	0.3	0.45	57	<10	180	<0.5	2	3.06	1.4	13	9	37	3.02	<10

Comments: NSS is non-sufficient sample.



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Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt kg	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
459160		1.92	0.9	0.29	49	<10	120	<0.5	2	3.92	3.1	22	4	79	4.12	<10
459161		0.64	0.7	0.29	44	<10	110	<0.5	<2	3.87	3.1	20	4	72	3.90	<10
459162		2.04	0.3	0.34	22	<10	340	<0.5	2	4.94	2.6	9	8	28	2.25	<10
459163		0.76	0.6	0.31	21	<10	370	<0.5	<2	5.07	2.6	9	7	27	2.17	<10
459164		1.76	0.4	0.26	26	<10	330	<0.5	2	5.35	1.9	10	7	36	2.32	<10
459165		0.60	0.3	0.23	24	<10	210	<0.5	<2	5.45	2.2	10	5	33	2.21	<10
459165B		0.52	<0.2	0.51	2	<10	30	<0.5	<2	0.33	<0.5	5	16	7	2.38	<10

Comments: NSS is non-sufficient sample.



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Sample Description	Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Ti % 0.01
133583		0.06	0.04	20	0.74	227	4	<0.01	33	1110	21	0.04	24	2	75	<0.01
133584		0.04	0.04	20	0.91	268	4	<0.01	34	1100	19	0.06	6	4	106	<0.01
133585		0.04	0.06	20	0.80	262	3	0.01	30	1040	18	0.03	4	3	89	0.02
133586		0.07	0.04	10	0.80	204	3	0.01	33	1060	26	0.05	4	2	98	0.01
133587		0.04	0.04	20	0.89	237	4	<0.01	33	1070	20	0.05	4	3	121	<0.01
133588		0.06	0.04	10	0.94	214	4	<0.01	30	1080	21	0.06	3	2	138	<0.01
133589		0.03	0.03	10	0.90	229	3	0.01	27	970	17	0.05	4	3	160	<0.01
133590		0.05	0.04	20	0.95	287	5	<0.01	34	1220	33	0.06	5	3	120	0.01
133591		0.06	0.04	20	0.80	333	5	<0.01	35	1170	27	0.04	6	3	112	0.01
133592		0.06	0.04	20	0.91	315	5	<0.01	35	1130	34	0.05	7	4	116	<0.01
133593		0.04	0.04	20	0.71	326	4	<0.01	31	1260	27	0.04	4	3	116	<0.01
133594		0.11	0.04	10	1.27	234	13	<0.01	46	1170	41	0.11	9	3	126	<0.01
133595		0.07	0.04	10	1.06	287	7	<0.01	40	1130	45	0.08	11	4	118	<0.01
133596		0.05	0.03	20	0.96	313	3	<0.01	35	1110	50	0.08	11	4	118	<0.01
133597		0.14	0.04	10	1.29	223	19	0.01	61	1180	68	0.14	10	3	127	<0.01
133598		0.13	0.04	10	1.40	251	11	<0.01	43	1110	39	0.05	6	4	114	<0.01
133599		0.06	0.04	20	0.97	301	5	0.01	33	1270	36	0.07	6	3	115	0.01
133600		0.07	0.04	20	0.99	313	5	0.01	34	1130	30	0.05	5	3	116	0.01
459101		0.04	0.04	20	0.58	219	4	<0.01	35	1450	16	0.03	4	2	53	<0.01
459102		0.06	0.04	10	0.99	300	5	<0.01	34	1130	30	0.06	7	3	120	0.01
459103		0.05	0.04	20	0.92	482	7	0.01	52	1190	36	0.06	6	3	125	0.01
459104		0.07	0.08	10	0.60	271	28	0.01	176	1820	108	0.29	30	2	117	<0.01
459105		0.07	0.11	10	0.41	134	44	0.01	188	2140	184	0.51	51	2	158	<0.01
459106		0.05	0.05	10	0.73	196	9	0.01	78	1500	23	0.09	7	2	67	<0.01
459107		0.04	0.06	20	0.66	222	10	0.01	85	1570	17	0.14	6	2	62	<0.01
459108		0.06	0.09	10	0.51	173	37	0.01	166	1940	146	0.40	38	2	130	<0.01
459109		0.04	0.09	10	0.80	215	19	0.03	113	1470	24	0.13	14	2	141	0.01
459110		0.05	0.13	10	0.61	188	34	0.03	160	2430	23	0.13	18	2	207	<0.01
459111		0.31	0.03	10	0.79	779	11	0.01	56	1060	1240	0.23	15	2	62	<0.01
459112		0.23	0.03	10	0.98	944	12	0.01	63	970	1135	0.17	11	2	77	<0.01
459113		0.02	0.04	20	0.09	112	12	<0.01	51	890	20	0.06	6	1	48	<0.01
459114		0.02	0.04	20	0.06	99	12	<0.01	44	840	22	0.05	5	1	51	<0.01
459115		0.03	0.06	20	1.70	206	8	0.01	43	1110	26	0.06	7	2	75	0.01
459116		0.05	0.06	20	1.54	220	8	0.01	44	1040	27	0.06	8	2	76	<0.01
459117		0.01	0.02	30	1.04	248	3	<0.01	38	1040	15	0.15	4	2	99	<0.01
459118		0.01	0.03	30	1.03	255	2	<0.01	35	990	12	0.11	5	2	95	<0.01
459119		0.03	0.03	10	1.20	250	3	<0.01	33	1040	15	0.11	4	3	110	<0.01
459120		0.04	0.03	10	1.21	254	3	<0.01	32	980	18	0.08	3	3	110	<0.01
133435		0.06	0.04	10	1.21	267	3	<0.01	34	1200	27	0.10	4	3	116	<0.01
133436		0.07	0.04	10	1.10	260	3	<0.01	34	1180	22	0.08	4	3	110	<0.01

Comments: NSS is non-sufficient sample.



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Sample Description	Method Analyte Units LOR	Hg-CV41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Hg ppm 0.01	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1	Ti % 0.01
133437		0.04	0.04	10	0.86	246	3	<0.01	34	1130	19	0.10	4	3	116	<0.01
133438		0.03	0.04	20	1.08	271	3	<0.01	31	1050	20	0.07	3	3	128	<0.01
133439		0.05	0.05	20	1.01	221	5	<0.01	43	1310	21	0.07	4	2	83	<0.01
133440		0.05	0.04	10	1.13	237	5	<0.01	43	1230	18	0.12	5	3	121	<0.01
133441		0.05	0.04	10	1.13	245	5	<0.01	40	1230	20	0.10	5	3	121	<0.01
133442		0.05	0.04	10	1.16	255	6	<0.01	42	1220	19	0.09	5	3	122	<0.01
133443		0.05	0.04	10	1.13	260	6	<0.01	42	1160	19	0.08	4	3	120	<0.01
133444		0.05	0.09	20	0.41	336	15	0.03	81	1350	27	0.11	9	3	98	0.02
133445		0.07	0.05	20	0.90	205	11	<0.01	56	1370	25	0.08	6	3	75	<0.01
133446		0.08	0.05	10	1.26	207	15	<0.01	70	1460	19	0.14	10	2	102	<0.01
133447		0.12	0.08	10	1.08	174	32	0.01	132	1800	20	0.28	25	2	108	<0.01
133448		0.08	0.05	10	1.21	222	9	<0.01	49	1330	23	0.21	8	3	90	<0.01
133392		0.03	0.03	10	2.07	291	3	0.01	31	1160	20	0.15	8	4	178	<0.01
133393		0.15	0.05	10	1.63	256	13	<0.01	44	1040	29	0.07	7	3	157	<0.01
133394		0.03	0.03	20	1.86	319	3	<0.01	28	1140	30	0.08	6	4	168	<0.01
133395		0.13	0.05	10	1.61	270	10	<0.01	41	1110	36	0.08	8	3	166	<0.01
133449		0.05	0.05	10	0.50	274	11	0.01	72	1130	33	0.09	12	2	44	<0.01
133450		0.07	0.07	10	0.47	305	14	0.01	86	1240	35	0.13	13	1	44	<0.01
459201		0.03	0.04	20	0.95	297	14	<0.01	78	1000	35	0.15	15	2	74	<0.01
459202		0.04	0.04	20	0.89	330	16	<0.01	94	1040	34	0.21	15	2	63	<0.01
459203		0.07	0.09	30	2.83	479	6	0.01	48	1110	22	0.07	4	3	87	0.01
459204		0.07	0.10	30	2.84	499	6	0.01	52	1090	21	0.09	4	3	84	0.01
459205		0.03	0.03	20	0.96	266	6	<0.01	46	1160	20	0.07	8	2	93	<0.01
459206		0.03	0.04	20	1.02	293	6	<0.01	49	1190	21	0.08	7	2	99	<0.01
459207		0.06	0.04	20	1.13	286	4	<0.01	35	1540	13	0.05	5	3	132	<0.01
459208		0.05	0.04	20	1.13	316	4	<0.01	35	1690	10	0.05	3	3	140	0.01
133396		0.02	0.03	10	1.79	312	3	<0.01	33	1070	17	0.12	6	5	152	<0.01
133397		0.02	0.03	20	1.06	268	1	<0.01	28	1010	15	0.05	6	4	149	<0.01
133398		0.10	0.04	10	1.49	249	9	0.01	38	1060	29	0.06	7	3	158	<0.01
133399		0.03	0.03	10	1.14	268	2	0.01	30	1080	19	0.05	5	4	154	<0.01
133400		0.11	0.04	10	1.51	244	10	<0.01	40	1130	29	0.07	7	3	154	<0.01
459151		0.08	0.03	10	1.40	238	8	<0.01	35	1070	26	0.06	6	3	155	<0.01
459152		0.12	0.04	10	1.48	243	12	<0.01	42	1000	29	0.06	8	3	148	<0.01
459153		0.11	0.04	10	1.51	229	11	<0.01	40	1060	27	0.06	6	3	148	<0.01
459154		0.13	0.05	20	1.06	166	11	<0.01	40	850	18	0.03	6	2	63	<0.01
459155		0.16	0.05	20	1.05	184	12	<0.01	47	820	19	0.03	7	3	69	<0.01
459156		0.10	0.09	40	1.90	676	7	0.01	36	1340	18	0.06	3	2	72	<0.01
459157		0.10	0.08	40	1.87	675	6	0.01	35	1300	19	0.05	3	2	73	<0.01
459158		0.02	0.05	20	0.76	349	7	0.01	43	1230	36	0.08	11	2	74	0.01
459159		0.02	0.05	20	0.78	373	8	0.01	44	1120	35	0.06	11	2	76	0.01

Comments: NSS is non-sufficient sample.



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Sample Description	Method Analyte Units LOR	Hg-CV41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti
		ppm 0.01	% 0.01	ppm 10	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 2	ppm 1	ppm 1	% 0.01
459160		0.04	0.03	20	1.26	268	12	<0.01	71	1510	19	0.14	12	2	106	<0.01
459161		0.03	0.03	20	1.24	266	12	<0.01	67	1390	20	0.11	12	2	102	<0.01
459162		0.05	0.04	20	0.73	340	8	0.01	43	1160	21	0.05	6	2	126	0.01
459163		0.05	0.04	20	0.69	315	9	0.01	41	1150	21	0.05	6	2	130	0.01
459164		0.09	0.05	10	1.21	219	6	0.01	35	1320	30	0.07	6	3	116	<0.01
459165		0.08	0.05	20	1.18	216	7	<0.01	37	1310	22	0.05	7	3	120	<0.01
459165B		<0.01	0.04	10	0.21	157	<1	0.02	6	380	<2	<0.01	<2	1	22	0.06

Comments: NSS is non-sufficient sample.



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-AA23
		Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Au ppm 0.005
133583		<10	<10	22	<10	250	<0.005
133584		<10	<10	14	<10	169	<0.005
133585		<10	<10	20	<10	156	0.006
133586		<10	<10	23	<10	361	<0.005
133587		10	<10	16	<10	206	<0.005
133588		10	<10	18	<10	207	<0.005
133589		10	<10	13	<10	165	<0.005
133590		10	<10	19	<10	227	<0.005
133591		10	<10	18	<10	226	<0.005
133592		<10	<10	17	<10	245	<0.005
133593		10	<10	16	<10	217	<0.005
133594		10	<10	29	<10	315	0.006
133595		10	<10	18	<10	297	<0.005
133596		<10	<10	14	<10	275	0.007
133597		<10	<10	32	<10	413	<0.005
133598		<10	<10	35	<10	255	<0.005
133599		10	<10	21	<10	200	0.007
133600		<10	<10	19	<10	217	<0.005
459101		<10	<10	18	<10	169	<0.005
459102		10	<10	18	<10	233	<0.005
459103		<10	<10	19	<10	517	0.012
459104		<10	<10	45	<10	1390	0.018
459105		<10	<10	61	<10	1555	0.027
459106		<10	<10	28	<10	424	<0.005
459107		<10	<10	33	<10	586	0.009
459108		<10	<10	51	<10	1330	0.026
459109		<10	<10	55	<10	813	0.023
459110		<10	<10	88	<10	1155	0.043
459111		<10	<10	24	<10	2190	0.028
459112		<10	<10	23	<10	2240	<0.005
459113		<10	<10	15	<10	237	0.008
459114		<10	<10	15	<10	213	<0.005
459115		<10	<10	24	<10	214	<0.005
459116		10	<10	23	<10	229	0.005
459117		<10	<10	9	<10	118	0.009
459118		<10	<10	8	<10	117	<0.005
459119		<10	<10	14	<10	166	0.006
459120		10	<10	14	<10	161	<0.005
133435		10	<10	15	<10	204	<0.005
133436		<10	<10	15	<10	192	<0.005

Comments: NSS is non-sufficient sample.



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-AA23
		Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Au ppm 0.005
133437		<10	<10	16	<10	161	<0.005
133438		10	<10	11	<10	157	<0.005
133439		<10	<10	23	<10	214	<0.005
133440		<10	<10	19	<10	216	<0.005
133441		10	<10	19	<10	215	<0.005
133442		<10	<10	20	<10	242	<0.005
133443		<10	<10	19	<10	236	<0.005
133444		<10	<10	43	<10	401	0.015
133445		<10	<10	26	<10	356	<0.005
133446		<10	<10	40	<10	405	0.005
133447		10	<10	80	<10	861	0.008
133448		<10	<10	20	<10	255	<0.005
133392		<10	<10	9	<10	169	0.005
133393		<10	<10	39	<10	269	0.005
133394		<10	<10	9	<10	204	<0.005
133395		<10	<10	31	<10	267	<0.005
133449		<10	<10	19	<10	406	<0.005
133450		<10	<10	15	<10	526	0.008
459201		<10	<10	27	<10	427	0.006
459202		<10	<10	30	<10	533	0.008
459203		<10	<10	36	<10	267	<0.005
459204		10	<10	39	<10	299	0.005
459205		10	<10	11	<10	224	0.006
459206		<10	<10	12	<10	229	<0.005
459207		<10	<10	14	<10	204	0.005
459208		10	<10	12	<10	204	0.006
133396		<10	<10	9	<10	117	0.007
133397		10	<10	8	<10	113	0.006
133398		<10	<10	26	<10	241	0.005
133399		<10	<10	10	<10	179	0.005
133400		<10	<10	29	<10	250	<0.005
459151		<10	<10	22	<10	213	<0.005
459152		<10	<10	31	<10	249	<0.005
459153		<10	<10	31	<10	238	<0.005
459154		<10	<10	34	<10	232	<0.005
459155		<10	<10	40	<10	270	<0.005
459156		<10	<10	32	<10	674	<0.005
459157		<10	<10	31	<10	645	<0.005
459158		10	<10	20	<10	199	0.007
459159		<10	<10	20	<10	220	0.006

Comments: NSS is non-sufficient sample.



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CERTIFICATE OF ANALYSIS VA03024950

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-AA23
		Tl	U	V	W	Zn	Au
		ppm 10	ppm 10	ppm 1	ppm 10	ppm 2	ppm 0.005
459160		<10	<10	17	<10	362	0.006
459161		<10	<10	17	<10	337	0.011
459162		<10	<10	14	<10	230	0.008
459163		<10	<10	14	<10	219	<0.005
459164		10	<10	20	<10	225	<0.005
459165		10	<10	21	<10	224	<0.005
459165B		<10	<10	76	<10	18	<0.005

Comments: NSS is non-sufficient sample.



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CERTIFICATE VA03024954

Project : RFM03-20

P.O. No:

This report is for 138 SOIL samples submitted to our lab in Vancouver, BC, Canada on 11-Jul-2003.

The following have access to data associated with this certificate:

HENRY AWMACK

SCOTT HEFFERNAN

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-AA46	Ore grade Zn - aqua regia/AA	AAS
Au-AA23	Au 30g FA-AA finish	AAS
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY ENGINEERING LTD.
ATTN: SCOTT HEFFERNAN
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:



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CERTIFICATE OF ANALYSIS VA03024954

Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23 Au Check ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
CLYFG4-0	0.28	<0.005		0.5	0.84	10	<10	70	0.6	<2	1.78	2.2	20	12	55
CLYGH4-50	0.30	<0.005		0.3	0.60	15	<10	60	0.6	<2	1.47	1.3	20	9	40
CLYGH4-100	0.38	<0.005		0.3	0.95	12	<10	120	0.5	<2	1.00	1.9	15	12	29
CLYGH4-150	0.36	<0.005		0.5	1.14	10	<10	180	0.5	2	0.76	1.1	15	14	26
CLYGH4-200	0.30	<0.005		<0.2	0.88	10	<10	140	<0.5	<2	1.32	1.4	12	11	21
CLYGH4-250	0.30	<0.005	<0.2		0.91	11	<10	190	0.6	<2	0.84	1.0	14	11	21
CLYGH4-250D	0.30	<0.005	<0.2		0.84	10	<10	170	0.5	<2	0.81	0.9	13	10	19
CLYGH4-300	0.32	<0.005	0.2		0.85	10	<10	200	0.6	<2	1.65	1.5	11	10	25
CLYGH4-350	0.28	<0.005	<0.2		0.63	11	<10	140	<0.5	<2	1.44	0.9	12	7	19
CLYGH4-400	0.38	NSS	<0.2		0.86	6	<10	120	0.5	<2	1.64	0.8	18	9	26
CLYGH4-450	0.34	<0.005	<0.2		0.31	9	<10	100	<0.5	<2	4.49	<0.5	18	2	23
CLYGH4-500	0.42	0.024	<0.2		1.16	10	<10	130	0.5	<2	0.43	1.0	25	12	39
CLYGH4-550	0.30	<0.005	<0.2		0.97	9	<10	100	0.5	<2	0.41	0.9	22	10	35
CLYGH4-600	0.40	<0.005	<0.2		1.03	9	<10	120	0.5	<2	0.45	0.8	21	10	32
CLYGH4-650	0.46	<0.005	<0.2		0.97	17	<10	140	0.5	<2	0.49	0.9	20	10	33
CLYGH4-700	0.50	<0.005	<0.2		1.00	14	<10	110	0.5	<2	0.41	1.7	25	10	44
CLYGH4-750	0.40	<0.005	0.2		1.04	14	<10	110	0.5	<2	0.33	1.4	23	11	40
CLYGH4-800	0.36	<0.005	<0.2		1.08	9	<10	120	0.5	<2	0.56	1.3	21	11	36
CLYGH4-850	0.40	<0.005	0.2		1.36	21	<10	160	0.6	<2	0.32	1.9	28	14	47
CLYGH4-850D	0.36	<0.005	0.4		1.34	23	<10	150	0.6	<2	0.32	2.0	28	14	48
CLYGH4-900	0.48	0.009	<0.2		0.94	11	<10	110	0.5	<2	1.52	0.8	21	9	31
CLYGH4-950	0.44	0.005	<0.2		0.97	16	<10	120	0.5	<2	0.38	1.0	22	11	40
CLYGH4-1000	0.32	<0.005	<0.2		0.92	17	<10	120	0.5	2	0.35	1.3	23	11	39
CLYGH4-1050	0.34	0.005	<0.2		0.36	10	<10	70	<0.5	2	8.91	1.3	15	6	31
CLYGH4-1100	0.32	0.008	<0.2		0.39	13	<10	80	<0.5	<2	9.02	0.9	14	6	30
CLYGH4-1150	0.32	0.011	1.0		1.24	14	<10	80	0.7	<2	2.63	2.6	27	18	61
CLYGH4-1200	0.42	<0.005	<0.2		2.23	26	<10	60	0.6	<2	6.87	<0.5	21	27	31
CLYGH4-1250	0.50	0.013	<0.2		1.12	20	<10	80	0.5	<2	3.90	0.6	25	15	79
CLYGH4-1300	0.44	0.009	<0.2		1.22	19	<10	120	0.7	<2	6.15	0.6	24	15	72
CLYGH4-1350	0.40	0.007	2.3		0.49	51	<10	310	1.2	<2	2.65	7.8	14	24	166
CLYGH4-1400	0.42	0.007	1.4		0.22	28	<10	300	0.8	<2	2.99	3.2	22	4	81
CLYGH4-1450	0.36	<0.005	0.9		0.26	76	<10	180	0.8	<2	1.98	3.2	22	4	60
CLYGH4-1450B	0.24	0.010	<0.2		0.47	2	<10	30	<0.5	2	0.29	<0.5	5	16	8
CLYGH4-1500	0.36	0.005	0.9		0.32	36	<10	370	0.5	<2	4.68	1.8	14	7	78
CLYGH4-1550	0.28	<0.005	1.0		0.30	21	<10	260	<0.5	<2	1.54	3.7	9	7	50
CLYGH4-1600	0.40	0.031	0.6		0.21	21	<10	210	<0.5	<2	2.32	1.4	14	4	52
CLYGH4-1650	0.36	0.011	0.2		0.54	8	<10	280	<0.5	<2	2.26	1.0	12	6	46
CLYGH4-1700	0.38	0.016	0.5		0.54	11	<10	330	<0.5	<2	1.04	0.8	13	6	51
CLYGH4-1750	0.36	0.008	0.5		0.39	11	<10	1400	<0.5	<2	1.51	1.2	11	8	53
CLYGH4-1800	0.40	0.011	0.3		0.52	10	<10	3510	<0.5	<2	4.33	1.2	12	8	57

Comments: Sample CLYSH5-1450B exhibits Au nugget effect. NSS is non-sufficient sample.



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CERTIFICATE OF ANALYSIS VA03024954

Method Analyte Units LOR	WEI-21 Recvd Wt kg	Au-AA23 Au ppm	Au-AA23 Au Check ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
CLYGH4-1850	0.40	0.011		0.5	0.40	16	<10	4040	<0.5	<2	4.08	1.8	12	9	59
CLYGH4-1900	0.40	0.007		0.2	0.37	28	<10	290	<0.5	<2	1.26	0.7	12	5	42
CLYGH4-1950	0.40	0.010		<0.2	0.34	45	<10	380	<0.5	<2	2.56	0.5	9	4	18
CLYGH4-2000	0.34	0.005		<0.2	0.31	15	<10	850	<0.5	<2	1.60	0.5	12	3	32
CLYGH4-2000D	0.26	<0.005		<0.2	0.34	17	<10	910	<0.5	<2	1.80	0.5	12	3	33
CLYSH4-0	0.46	<0.005		0.2	0.33	26	<10	100	0.5	2	4.39	2.0	16	5	34
CLYSH4-50	0.50	0.014		0.3	0.24	27	<10	100	0.5	<2	4.44	1.8	15	4	30
CLYSH4-100	0.40	0.009		0.2	0.26	26	<10	110	0.5	<2	1.76	2.0	17	4	36
CLYSH4-150	0.38	<0.005		0.3	0.27	25	<10	120	0.6	<2	4.90	1.4	18	4	32
CLYSH4-200	0.44	<0.005		<0.2	0.22	28	<10	90	0.5	<2	4.47	1.0	13	3	24
CLYSH4-250	0.38	<0.005		<0.2	0.27	19	<10	110	0.6	<2	6.22	1.6	15	4	29
CLYSH4-250D	0.38	<0.005		0.2	0.28	20	<10	120	0.6	<2	5.62	1.7	15	4	30
CLYSH4-300	0.48	<0.005		<0.2	0.20	16	<10	80	<0.5	<2	8.07	0.7	16	3	23
CLYSH4-350	0.38	<0.005		0.6	0.29	20	<10	130	0.6	<2	2.32	2.8	15	5	36
CLYSH4-400	0.34	0.007		<0.2	0.29	18	<10	130	0.6	<2	5.80	0.7	15	4	28
CLYSH4-450	0.40	<0.005		<0.2	0.27	22	<10	130	0.5	<2	5.54	0.8	17	4	29
CLYSH4-500	0.46	0.023		0.3	0.22	27	<10	110	0.5	<2	2.86	2.4	17	4	35
CLYSH4-550	0.38	<0.005		0.5	0.24	27	<10	80	0.6	2	0.56	2.2	16	4	31
CLYSH4-600	0.34	<0.005		<0.2	0.26	26	<10	90	0.6	<2	2.47	1.2	15	4	26
CLYSH4-650	0.44	<0.005		<0.2	0.22	28	<10	90	0.5	<2	4.68	0.9	16	4	31
CLYSH4-700	0.60	0.007		<0.2	0.29	36	<10	90	0.5	<2	6.12	1.5	18	5	36
CLYSH4-750	0.58	0.007		<0.2	0.32	29	<10	80	0.5	<2	6.12	1.3	19	5	40
CLYSH4-800	0.56	0.024		<0.2	0.41	35	<10	80	0.5	<2	7.73	<0.5	19	6	39
CLYSH4-850	0.46	<0.005		0.2	0.26	34	<10	130	0.5	2	7.26	1.3	22	5	47
CLYSH4-850D	0.52	<0.005		<0.2	0.28	31	<10	130	0.5	2	8.22	1.1	21	5	43
CLYSH4-900	0.56	<0.005		0.4	0.78	24	<10	90	0.6	2	6.11	2.3	23	11	50
CLYSH4-950	0.44	<0.005		0.4	0.32	24	<10	90	0.5	<2	6.30	2.3	19	5	41
CLYSH4-1000	0.44	0.006		<0.2	0.21	33	<10	100	0.6	<2	6.65	1.5	19	4	42
CLYSH4-1050	0.52	0.013		<0.2	0.25	33	<10	110	0.5	<2	6.76	1.8	20	4	44
CLYSH4-1100	0.58	<0.005		<0.2	0.21	37	<10	100	0.5	<2	7.59	1.1	19	4	40
CLYSH4-1150	0.52	<0.005		<0.2	0.26	29	<10	110	0.5	<2	5.47	0.5	17	4	33
CLYSH4-1200	0.44	<0.005		<0.2	0.23	31	<10	100	0.6	<2	3.15	0.8	16	3	26
CLYSH4-1250	0.40	0.007		0.2	0.28	28	<10	120	0.7	<2	0.87	1.6	15	3	30
CLYSH4-1300	0.48	<0.005		0.3	0.19	24	<10	80	0.5	<2	4.31	1.6	16	3	27
CLYSH4-1350	0.50	0.008		<0.2	0.20	17	<10	100	0.7	<2	3.53	1.4	19	3	33
CLYSH4-1400	0.68	<0.005		<0.2	0.23	11	<10	60	<0.5	<2	1.98	0.5	16	3	21
CLYSH4-1450	0.54	<0.005		<0.2	0.24	19	<10	70	0.5	<2	4.54	0.7	21	3	28
CLYSH4-1450B	0.32	<0.005		<0.2	0.48	<2	<10	30	<0.5	<2	0.28	<0.5	4	11	7
CLYSH4-1500	0.42	<0.005		<0.2	0.18	15	<10	50	<0.5	<2	3.52	<0.5	14	2	16
CLYSH4-1550	0.46	0.010		<0.2	0.40	19	<10	80	0.5	<2	1.88	1.0	18	5	28

Comments: Sample CLYSH5-1450B exhibits Au nugget effect. NSS is non-sufficient sample.



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CERTIFICATE OF ANALYSIS VA03024954

Method Analyte Units LOR	WEI-21 Recvd Wt kg	Au-AA23 Au ppm	Au-AA23 Au Check ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
Sample Description	0.02	0.005	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
CLYSH4-1600	0.46	<0.005		<0.2	0.70	5	<10	70	<0.5	<2	2.66	0.6	16	8	20
CLYSH4-1650	0.38	<0.005		0.3	0.55	19	<10	80	0.6	<2	2.78	2.3	18	8	38
CLYSH4-1700	0.42	<0.005		<0.2	0.77	6	<10	60	0.5	<2	0.76	0.7	15	9	27
CLYSH4-1750	0.40	<0.005		<0.2	0.51	13	<10	80	0.5	<2	1.71	1.1	16	6	31
CLYSH4-1800	0.38	<0.005		0.2	0.84	23	<10	110	0.5	<2	1.68	1.9	19	10	36
CLYSH4-1850	0.32	<0.005		0.2	0.78	9	<10	120	0.5	<2	0.96	1.2	15	9	23
CLYSH4-1900	0.40	0.005		0.3	0.96	15	<10	140	0.6	<2	0.44	2.4	22	12	40
CLYSH4-1950	0.44	<0.005		0.4	1.16	6	<10	120	0.5	<2	0.74	1.3	14	12	32
CLYSH4-2000	0.50	<0.005		<0.2	0.85	7	<10	110	0.5	<2	0.90	0.7	16	10	27
CLYSH5-0	0.44	<0.005		<0.2	0.65	12	<10	80	0.5	<2	0.68	0.7	19	7	28
CLYSH5-50	0.40	<0.005		<0.2	0.47	9	<10	110	0.6	<2	3.26	1.7	16	6	32
CLYSH5-100	0.42	<0.005		<0.2	0.67	16	<10	100	0.6	<2	0.37	0.9	25	8	36
CLYSH5-150	0.42	<0.005		<0.2	0.68	11	<10	100	0.6	<2	0.43	0.6	20	8	31
CLYSH5-200	0.40	<0.005		<0.2	0.44	11	<10	70	0.6	<2	2.02	0.8	19	6	29
CLYSH5-250	0.38	<0.005		<0.2	0.57	11	<10	70	0.5	<2	1.76	1.9	19	8	37
CLYSH5-250D	0.38	<0.005		0.3	0.57	12	<10	70	0.5	<2	1.54	1.5	18	8	37
CLYSH5-300	0.44	<0.005		0.3	0.57	9	<10	80	<0.5	<2	5.12	1.5	14	10	31
CLYSH5-350	0.38	<0.005		1.3	0.96	37	<10	130	0.5	<2	1.44	3.6	26	14	72
CLYSH5-400	0.36	<0.005		0.9	1.29	19	<10	170	0.6	<2	4.02	1.8	19	16	59
CLYSH5-450	0.44	0.007		<0.2	0.43	44	<10	190	0.5	<2	3.90	0.9	27	9	59
CLYSH5-500	0.38	0.006		<0.2	0.39	25	<10	90	0.5	2	3.92	1.1	22	8	61
CLYSH5-550	0.38	<0.005		0.4	0.25	33	<10	140	0.6	<2	1.86	2.2	15	5	45
CLYSH5-600	0.34	0.011		0.9	0.22	53	<10	90	0.5	<2	1.23	1.0	17	4	99
CLYSH5-650	0.40	0.013		2.3	0.55	81	<10	180	0.7	<2	0.42	10.0	12	22	120
CLYSH5-700	0.40	0.007		0.5	0.25	16	<10	70	<0.5	<2	0.75	0.8	9	4	29
CLYSH5-750	0.58	<0.005		1.4	0.34	33	<10	80	0.5	<2	3.33	2.4	12	11	70
CLYSH5-800	0.44	0.009		4.7	0.53	33	<10	210	0.7	<2	1.65	15.1	12	15	110
CLYSH5-850	0.46	0.006		1.0	0.36	16	<10	100	<0.5	<2	1.18	1.2	8	7	26
CLYSH5-850D	0.44	0.007		1.0	0.38	14	<10	120	<0.5	<2	1.18	1.5	8	8	27
CLYSH5-900	0.54	0.005		0.4	0.22	13	<10	60	<0.5	<2	1.30	0.7	9	2	23
CLYSH5-950	0.48	0.014		0.2	0.20	12	<10	70	<0.5	<2	2.87	<0.5	9	3	23
CLYSH5-1000	0.46	0.023		9.4	0.50	204	<10	380	0.7	<2	1.42	27.5	13	28	314
CLYSH5-1050	0.44	0.007		1.8	0.43	22	<10	2660	0.7	<2	6.83	1.0	19	11	110
CLYSH5-1100	0.40	0.007		1.5	0.52	28	<10	680	0.6	<2	1.84	2.1	13	10	59
CLYSH5-1150	0.36	<0.005		0.7	0.41	19	<10	1580	<0.5	<2	1.45	0.8	6	7	33
CLYSH5-1200	0.40	0.006		1.8	0.45	9	<10	2820	0.5	<2	4.02	2.1	12	10	72
CLYSH5-1250	0.40	0.007		1.4	0.31	15	<10	660	<0.5	<2	2.16	2.1	8	7	39
CLYSH5-1300	0.44	<0.005		0.5	0.61	13	<10	390	0.5	<2	1.28	0.8	8	13	25
CLYSH5-1350	0.48	0.006		4.3	0.82	52	<10	4690	<0.5	<2	1.50	49.5	12	19	166
CLYSH5-1400	0.40	0.005		3.9	0.61	34	<10	4160	0.5	<2	0.84	25.0	8	20	111

Comments: Sample CLYSH5-1450B exhibits Au nugget effect. NSS is non-sufficient sample.



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Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt kg	Au ppm	Au Check ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
CLYSH5-1450		0.44	0.007		4.6	1.28	146	<10	4470	0.5	<2	2.51	42.7	12	22	184
CLYSH5-1450B		0.30	0.841	<0.005	<0.2	0.50	<2	<10	50	<0.5	<2	0.26	<0.5	4	12	7
CLYSH5-1500		0.48	0.009	0.019	8.0	1.22	134	<10	1440	1.0	<2	0.40	3.8	8	118	189
CLYSH5-1550		0.44	0.010		1.4	0.34	21	<10	510	0.6	<2	3.57	0.8	13	7	56
CLYSH5-1600		0.28	<0.005		0.6	0.21	9	<10	570	<0.5	<2	2.53	0.9	5	4	26
CLYSH5-1650		0.36	0.008		1.7	0.41	34	<10	1900	0.6	<2	2.52	4.8	11	12	83
CLYSH5-1700		0.42	0.007		0.6	0.28	22	<10	80	<0.5	<2	0.59	0.9	10	5	32
CLYSH5-1750		0.50	0.014		0.7	0.28	33	<10	680	0.5	<2	2.50	2.3	15	4	58
CLYSH5-1800		0.40	0.008		1.3	0.21	25	<10	140	<0.5	<2	0.98	7.6	10	6	56
CLYSH5-1850		0.34	0.007		0.8	0.75	23	<10	520	0.5	<2	0.69	6.3	10	21	49
CLYSH5-1900		0.24	<0.005		2.9	0.25	21	<10	230	<0.5	<2	2.43	15.2	5	11	95
CLYSH5-1950		0.46	0.010		5.7	0.49	102	<10	240	0.9	<2	2.10	20.6	13	40	224
CLYSH5-2000		0.38	0.007		6.5	0.80	57	<10	210	0.7	<2	1.49	49.4	14	51	326
CLYSH5-2050		0.32	<0.005		3.6	0.74	36	<10	460	0.5	<2	0.91	22.9	12	23	104
CLYSH5-2050D		0.32	<0.005		3.5	0.71	37	<10	440	0.5	<2	0.83	20.5	11	23	99
CLYSH5-2100		0.36	<0.005		2.8	0.55	27	<10	530	<0.5	<2	1.70	23.3	10	16	65
CLYSH5-2150		0.36	<0.005		2.5	0.89	35	<10	1420	0.5	<2	0.95	8.3	10	26	129
CLYSH5-2200		0.44	0.005		2.8	0.65	38	<10	1690	<0.5	<2	2.33	12.2	9	28	145

Comments: Sample CLYSH5-1450B exhibits Au nugget effect. NSS is non-sufficient sample.



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CERTIFICATE OF ANALYSIS VA03024954

Sample Description	Method	ME-ICP41	ME-ICP41	Hg-CV41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
		0.01	10	0.01	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
CLYFG4-0		3.42	<10	0.16	0.05	20	0.91	269	4	0.01	41	1060	43	0.07	4	4
CLYGH4-50		3.56	<10	0.08	0.05	10	0.72	202	6	<0.01	44	960	24	0.09	5	4
CLYGH4-100		3.41	<10	0.12	0.08	10	0.66	218	3	<0.01	35	780	24	0.08	3	3
CLYGH4-150		3.35	<10	0.10	0.11	10	0.75	295	2	<0.01	40	680	27	0.06	3	3
CLYGH4-200		2.85	<10	0.13	0.10	10	0.62	361	3	0.01	28	1080	24	0.12	2	2
CLYGH4-250		3.39	<10	0.08	0.08	10	0.50	328	3	<0.01	34	1000	25	0.07	3	3
CLYGH4-250D		2.97	<10	0.08	0.08	10	0.50	334	3	<0.01	33	850	21	0.07	2	2
CLYGH4-300		2.71	<10	0.15	0.07	10	0.46	309	3	0.01	31	1400	25	0.13	2	2
CLYGH4-350		2.53	<10	0.08	0.09	10	0.40	283	2	<0.01	28	1120	43	0.09	2	2
CLYGH4-400		3.57	<10	0.08	0.09	10	0.59	398	3	<0.01	42	730	22	0.05	3	3
CLYGH4-450		2.21	<10	0.03	0.09	20	0.22	482	4	<0.01	37	1280	23	0.02	2	2
CLYGH4-500		4.21	<10	0.07	0.10	20	0.78	631	5	<0.01	52	910	37	0.05	3	3
CLYGH4-550		3.83	<10	0.05	0.09	30	0.70	305	4	<0.01	49	1200	30	0.03	3	3
CLYGH4-600		3.68	<10	0.05	0.10	20	0.67	423	4	<0.01	47	1040	29	0.04	2	3
CLYGH4-650		3.76	<10	0.07	0.12	20	0.63	500	7	<0.01	51	1130	34	0.04	4	4
CLYGH4-700		4.03	<10	0.05	0.09	30	0.73	444	7	<0.01	56	1060	42	0.03	4	3
CLYGH4-750		3.84	<10	0.06	0.09	30	0.73	474	5	<0.01	50	990	37	0.04	5	3
CLYGH4-800		3.65	<10	0.06	0.10	30	0.77	370	5	<0.01	49	980	31	0.03	3	2
CLYGH4-850		4.54	<10	0.06	0.12	40	0.98	540	7	<0.01	60	970	54	0.02	5	3
CLYGH4-850D		4.50	<10	0.06	0.11	40	0.96	518	7	<0.01	60	980	50	0.03	4	3
CLYGH4-900		3.52	<10	0.04	0.10	30	0.75	296	5	<0.01	48	1020	31	0.03	4	2
CLYGH4-950		4.12	<10	0.05	0.10	30	0.70	361	6	<0.01	54	1080	34	0.05	4	3
CLYGH4-1000		4.09	<10	0.04	0.09	30	0.68	351	6	<0.01	52	1080	34	0.05	4	3
CLYGH4-1050		3.04	<10	0.06	0.05	20	2.18	270	2	0.01	30	990	10	0.03	3	4
CLYGH4-1100		2.98	<10	0.06	0.05	20	2.03	264	2	0.01	28	1010	16	0.04	2	4
CLYGH4-1150		4.12	<10	0.24	0.05	10	1.58	198	7	<0.01	56	1060	24	0.06	4	3
CLYGH4-1200		2.82	10	0.06	0.05	20	3.49	278	2	0.01	42	920	16	0.03	4	4
CLYGH4-1250		3.72	<10	0.13	0.06	20	2.32	271	4	<0.01	48	1080	17	0.12	4	3
CLYGH4-1300		3.40	<10	0.07	0.07	20	2.25	271	5	0.01	43	1390	21	0.06	4	5
CLYGH4-1350		2.92	<10	0.42	0.17	20	0.90	89	57	<0.01	200	3350	26	0.01	22	4
CLYGH4-1400		3.69	<10	0.13	0.08	10	1.52	198	28	<0.01	94	770	35	0.23	15	3
CLYGH4-1450		3.56	<10	0.09	0.07	20	0.89	167	20	<0.01	89	1240	21	0.17	17	3
CLYGH4-1450B		2.32	<10	<0.01	0.03	<10	0.21	152	1	0.02	8	400	3	<0.01	<2	1
CLYGH4-1500		2.72	<10	0.08	0.06	20	2.06	210	20	<0.01	112	1180	27	0.09	13	2
CLYGH4-1550		2.28	<10	0.15	0.04	10	0.29	273	9	0.01	52	980	22	0.14	9	2
CLYGH4-1600		2.57	<10	0.06	0.05	10	1.04	156	10	<0.01	68	820	22	0.04	4	1
CLYGH4-1650		2.73	<10	0.06	0.13	10	1.26	389	3	<0.01	43	680	20	0.10	2	1
CLYGH4-1700		2.96	<10	0.06	0.11	10	0.68	451	3	<0.01	41	620	21	0.09	2	2
CLYGH4-1750		2.67	<10	0.12	0.06	10	0.48	214	6	<0.01	53	1360	25	0.10	5	2
CLYGH4-1800		2.85	<10	0.06	0.12	10	2.29	274	9	<0.01	71	1900	34	0.07	9	2

Comments: Sample CLYSH5-1450B exhibits Au nugget effect. NSS is non-sufficient sample.



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CERTIFICATE OF ANALYSIS

VA03024954

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	Hg-CV41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe % 0.01	Ga ppm 10	Hg ppm 0.01	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1
CLYGH4-1850		3.08	<10	0.07	0.10	20	1.93	252	12	<0.01	80	2460	38	0.06	11	2
CLYGH4-1900		2.18	<10	0.03	0.09	30	0.57	214	3	<0.01	42	840	18	0.03	2	1
CLYGH4-1950		1.79	<10	0.03	0.07	20	1.11	208	5	<0.01	35	700	11	0.02	2	1
CLYGH4-2000		1.83	<10	0.04	0.09	20	0.73	177	4	<0.01	43	840	18	0.05	2	2
CLYGH4-2000D		1.80	<10	0.03	0.09	20	0.87	178	4	<0.01	44	780	17	0.05	2	1
CLYSH4-0		3.23	<10	0.04	0.06	10	0.69	251	4	0.01	37	1130	18	0.05	6	4
CLYSH4-50		3.09	<10	0.03	0.06	20	0.53	264	4	0.01	36	1200	16	0.05	5	4
CLYSH4-100		3.37	<10	0.04	0.06	20	0.33	180	5	0.01	41	910	19	0.04	7	4
CLYSH4-150		3.17	<10	0.04	0.06	20	0.59	272	4	0.01	37	1080	20	0.04	7	5
CLYSH4-200		2.35	<10	0.02	0.05	10	0.40	235	4	0.01	33	1060	14	0.03	5	3
CLYSH4-250		3.02	<10	0.03	0.06	10	0.44	296	4	0.01	33	1100	14	0.03	5	5
CLYSH4-250D		3.02	<10	0.03	0.06	10	0.41	275	4	0.01	34	1080	17	0.03	5	5
CLYSH4-300		2.59	<10	0.02	0.04	10	0.78	442	3	0.01	28	990	14	0.04	4	4
CLYSH4-350		3.47	<10	0.05	0.06	20	0.20	188	6	0.01	39	1020	19	0.03	5	5
CLYSH4-400		2.66	<10	0.05	0.06	10	0.72	329	4	0.01	33	1100	18	0.05	3	4
CLYSH4-450		2.66	<10	0.04	0.06	10	0.59	266	4	0.01	34	1450	20	0.07	4	4
CLYSH4-500		3.43	<10	0.04	0.05	30	0.42	207	5	<0.01	40	920	21	0.04	6	5
CLYSH4-550		3.42	<10	0.05	0.05	20	0.14	185	4	<0.01	38	740	16	0.05	5	5
CLYSH4-600		2.89	<10	0.04	0.06	20	0.33	177	3	<0.01	33	840	19	0.05	5	4
CLYSH4-650		3.11	<10	0.04	0.05	10	0.79	254	4	<0.01	36	1110	25	0.06	6	4
CLYSH4-700		3.50	<10	0.03	0.05	20	1.10	334	4	<0.01	37	1070	19	0.08	13	5
CLYSH4-750		3.49	<10	0.03	0.05	20	0.91	314	3	0.01	34	1140	21	0.08	9	5
CLYSH4-800		3.35	<10	0.03	0.04	20	0.88	326	2	0.01	33	1230	19	0.04	4	5
CLYSH4-850		3.32	<10	0.04	0.06	20	1.53	268	3	0.01	41	960	24	0.14	5	5
CLYSH4-850D		3.21	<10	0.04	0.06	20	1.68	282	2	0.01	39	1040	29	0.11	4	5
CLYSH4-900		3.69	<10	0.07	0.05	20	1.53	276	4	<0.01	44	940	24	0.11	5	4
CLYSH4-950		3.46	<10	0.07	0.05	10	1.44	259	4	<0.01	41	880	22	0.12	6	5
CLYSH4-1000		3.27	<10	0.04	0.05	20	1.50	285	3	0.01	39	1180	19	0.09	6	5
CLYSH4-1050		3.33	<10	0.03	0.05	20	1.46	285	4	0.01	39	1100	22	0.09	7	5
CLYSH4-1100		3.28	<10	0.02	0.05	20	1.66	292	4	<0.01	37	1120	19	0.08	6	5
CLYSH4-1150		3.04	<10	0.03	0.06	20	1.05	334	4	0.01	36	1070	25	0.07	6	5
CLYSH4-1200		2.52	<10	0.03	0.06	10	0.43	207	4	<0.01	33	1080	19	0.07	6	3
CLYSH4-1250		2.77	<10	0.04	0.06	20	0.16	106	5	0.01	38	790	20	0.06	5	4
CLYSH4-1300		2.63	<10	0.03	0.05	10	0.95	268	5	<0.01	35	1040	15	0.07	4	3
CLYSH4-1350		2.87	<10	0.11	0.06	20	0.78	224	7	0.01	42	1390	58	0.04	4	3
CLYSH4-1400		2.61	<10	0.04	0.07	20	0.31	329	2	<0.01	27	1550	21	0.05	3	2
CLYSH4-1450		3.82	<10	0.05	0.08	20	0.41	299	4	<0.01	38	950	31	0.09	3	3
CLYSH4-1450B		1.57	<10	<0.01	0.03	<10	0.23	139	<1	0.02	6	390	3	<0.01	<2	1
CLYSH4-1500		2.57	<10	0.02	0.06	20	0.36	207	2	<0.01	25	1240	21	0.04	2	2
CLYSH4-1550		3.45	<10	0.07	0.08	20	0.26	383	4	<0.01	39	950	25	0.05	2	3

Comments: Sample CLYSH5-1450B exhibits Au nugget effect. NSS is non-sufficient sample.



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	Analyte Units LOR	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
		0.01	10	0.01	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
CLYSH4-1600		2.86	<10	0.05	0.08	10	0.53	334	2	<0.01	35	710	20	0.04	3	2
CLYSH4-1650		3.05	<10	0.11	0.08	20	0.80	227	5	0.01	45	930	21	0.02	5	4
CLYSH4-1700		3.09	<10	0.07	0.05	20	0.61	172	3	<0.01	38	920	21	0.03	3	3
CLYSH4-1750		3.35	<10	0.08	0.05	20	0.51	203	3	0.01	38	1020	25	0.03	4	3
CLYSH4-1800		3.75	<10	0.07	0.08	20	0.66	248	5	<0.01	48	810	27	0.05	4	3
CLYSH4-1850		3.00	<10	0.05	0.08	10	0.51	216	3	<0.01	35	700	22	0.08	2	3
CLYSH4-1900		4.32	<10	0.07	0.11	30	0.63	327	5	<0.01	49	1120	34	0.05	2	5
CLYSH4-1950		3.14	<10	0.08	0.09	20	0.81	136	3	0.01	42	770	21	0.06	2	3
CLYSH4-2000		3.25	<10	0.04	0.08	20	0.68	166	3	<0.01	41	780	23	0.05	2	3
CLYSH5-0		3.41	<10	0.04	0.08	20	0.53	233	3	<0.01	47	1060	22	0.05	2	3
CLYSH5-50		2.41	<10	0.08	0.08	<10	0.86	217	5	0.01	32	2140	15	0.04	3	4
CLYSH5-100		4.09	<10	0.04	0.09	30	0.42	399	4	<0.01	52	1060	29	0.06	3	4
CLYSH5-150		3.63	<10	0.04	0.08	20	0.45	317	4	<0.01	48	1040	26	0.04	3	3
CLYSH5-200		2.96	<10	0.04	0.07	10	0.66	219	3	<0.01	41	1240	20	0.05	3	3
CLYSH5-250		3.26	<10	0.12	0.06	10	0.65	223	5	<0.01	44	1300	26	0.07	2	4
CLYSH5-250D		3.31	<10	0.12	0.06	10	0.63	226	5	<0.01	45	1280	26	0.07	4	4
CLYSH5-300		3.59	<10	0.08	0.05	20	1.16	289	3	0.01	33	1260	27	0.03	2	4
CLYSH5-350		4.87	<10	0.12	0.05	10	0.85	172	7	<0.01	65	810	27	0.17	4	4
CLYSH5-400		3.61	<10	0.11	0.06	10	1.46	215	7	<0.01	48	1040	27	0.09	4	3
CLYSH5-450		2.92	<10	0.04	0.04	20	0.86	187	2	0.01	62	1330	14	0.11	5	3
CLYSH5-500		3.23	<10	0.05	0.04	20	0.88	212	3	0.01	47	1330	17	0.08	3	4
CLYSH5-550		2.56	<10	0.05	0.05	20	0.37	156	10	0.01	56	910	14	0.06	6	3
CLYSH5-600		3.00	<10	0.07	0.06	20	0.42	189	13	0.01	59	1080	21	0.05	13	2
CLYSH5-650		2.85	<10	0.12	0.10	20	0.15	414	35	0.01	126	2180	24	0.06	26	2
CLYSH5-700		1.82	<10	0.06	0.06	10	0.25	293	6	0.01	45	960	18	0.05	5	1
CLYSH5-750		2.63	<10	0.15	0.06	20	1.89	283	39	0.01	138	1040	28	0.02	17	2
CLYSH5-800		2.20	<10	0.58	0.08	10	0.47	339	54	0.01	266	1220	18	0.06	16	1
CLYSH5-850		1.88	<10	0.09	0.06	10	0.58	270	6	0.01	51	830	13	0.03	3	1
CLYSH5-850D		1.88	<10	0.08	0.06	10	0.57	281	6	0.01	49	840	13	0.04	4	1
CLYSH5-900		1.26	<10	0.05	0.06	10	0.51	237	3	<0.01	53	670	8	0.03	2	1
CLYSH5-950		1.42	<10	0.04	0.05	20	1.47	241	2	<0.01	51	560	13	0.01	2	2
CLYSH5-1000		3.52	<10	0.43	0.14	10	0.38	254	61	0.01	227	2530	34	0.11	57	2
CLYSH5-1050		4.50	<10	0.21	0.11	20	3.02	429	24	0.03	187	3850	48	0.07	50	3
CLYSH5-1100		2.61	<10	0.11	0.07	10	0.41	946	13	0.01	85	2870	41	0.09	11	1
CLYSH5-1150		1.76	<10	0.10	0.05	10	0.17	147	5	0.03	38	2020	22	0.11	7	1
CLYSH5-1200		3.08	<10	0.25	0.10	10	1.77	353	12	0.03	120	3350	34	0.07	17	3
CLYSH5-1250		2.20	<10	0.15	0.07	10	0.54	460	9	0.01	73	1940	36	0.07	5	1
CLYSH5-1300		2.04	<10	0.09	0.08	10	0.40	361	4	0.01	39	1030	16	0.06	3	1
CLYSH5-1350		2.52	<10	0.28	0.12	10	0.26	334	57	0.07	229	2950	26	0.10	27	2
CLYSH5-1400		1.88	<10	0.44	0.04	10	0.17	137	49	0.05	243	1480	21	0.07	27	3

Comments: Sample CLYSH5-1450B exhibits Au nugget effect. NSS is non-sufficient sample.



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	Hg-CV41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe % 0.01	Ga ppm 10	Hg ppm 0.01	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1
CLYSH5-1450		2.40	<10	0.33	0.13	20	0.72	407	72	0.06	325	3280	27	0.11	29	3
CLYSH5-1450B		1.58	<10	<0.01	0.04	<10	0.21	145	<1	0.03	6	380	<2	<0.01	<2	1
CLYSH5-1500		3.59	10	0.46	0.19	20	0.12	139	45	0.03	148	3360	36	0.23	26	1
CLYSH5-1550		3.13	<10	0.24	0.08	20	0.97	327	19	0.01	110	1810	49	0.04	4	2
CLYSH5-1600		1.25	<10	0.14	0.03	<10	0.36	349	4	0.02	35	1790	13	0.17	2	1
CLYSH5-1650		2.88	<10	0.26	0.07	20	0.83	312	13	0.03	110	2730	30	0.10	23	3
CLYSH5-1700		1.86	<10	0.05	0.04	10	0.29	204	4	<0.01	53	600	20	0.03	4	2
CLYSH5-1750		2.32	<10	0.08	0.06	20	1.32	294	8	0.01	112	900	20	0.03	7	2
CLYSH5-1800		1.86	<10	0.20	0.04	20	0.30	192	11	0.01	96	1100	23	0.06	8	2
CLYSH5-1850		2.28	<10	0.15	0.09	10	0.35	541	13	0.02	69	2310	18	0.07	7	2
CLYSH5-1900		0.98	<10	0.65	0.03	10	0.28	306	14	0.02	107	1460	14	0.19	12	1
CLYSH5-1950		2.72	<10	0.86	0.12	30	0.83	321	98	0.01	375	2590	31	0.06	44	3
CLYSH5-2000		2.39	<10	1.35	0.09	30	0.89	266	77	0.01	716	1510	31	0.08	26	2
CLYSH5-2050		2.43	<10	0.36	0.06	10	0.29	225	49	0.01	178	3250	22	0.15	19	1
CLYSH5-2050D		2.46	<10	0.34	0.07	20	0.28	179	51	0.01	180	3140	20	0.13	18	2
CLYSH5-2100		2.09	<10	0.29	0.11	10	0.22	444	29	0.02	102	2480	14	0.25	12	1
CLYSH5-2150		2.54	<10	0.29	0.11	20	0.49	286	49	0.02	209	1540	23	0.10	13	2
CLYSH5-2200		2.39	<10	0.25	0.09	20	0.78	271	63	0.02	239	1460	16	0.08	16	1

Comments: Sample CLYSH5-1450B exhibits Au nugget effect. NSS is non-sufficient sample.



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Zn-AA46
		Sr ppm 1	Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Zn % 0.01
CLYFG4-0		37	<0.01	<10	<10	29	<10	285	
CLYGH4-50		47	<0.01	<10	<10	23	<10	163	
CLYGH4-100		64	<0.01	<10	<10	23	<10	162	
CLYGH4-150		56	<0.01	<10	<10	26	<10	120	
CLYGH4-200		102	<0.01	<10	<10	18	<10	100	
CLYGH4-250		53	<0.01	<10	<10	22	<10	112	
CLYGH4-250D		51	<0.01	<10	<10	19	<10	98	
CLYGH4-300		118	<0.01	<10	<10	24	<10	116	
CLYGH4-350		75	<0.01	<10	<10	10	<10	94	
CLYGH4-400		58	<0.01	<10	<10	12	<10	98	
CLYGH4-450		107	<0.01	<10	<10	3	<10	66	
CLYGH4-500		31	<0.01	<10	<10	19	<10	130	
CLYGH4-550		30	<0.01	<10	<10	16	<10	114	
CLYGH4-600		33	<0.01	<10	<10	16	<10	108	
CLYGH4-650		35	<0.01	<10	<10	17	<10	126	
CLYGH4-700		36	<0.01	<10	<10	24	<10	176	
CLYGH4-750		26	<0.01	<10	<10	25	<10	164	
CLYGH4-800		34	<0.01	<10	<10	22	<10	154	
CLYGH4-850		28	<0.01	<10	<10	29	<10	227	
CLYGH4-850D		28	<0.01	<10	<10	29	<10	225	
CLYGH4-900		71	<0.01	<10	<10	16	<10	130	
CLYGH4-950		30	<0.01	<10	<10	21	<10	168	
CLYGH4-1000		28	<0.01	<10	<10	20	<10	164	
CLYGH4-1050		192	<0.01	<10	<10	8	<10	106	
CLYGH4-1100		200	<0.01	<10	<10	8	<10	102	
CLYGH4-1150		65	<0.01	<10	<10	37	<10	265	
CLYGH4-1200		154	<0.01	<10	<10	36	<10	96	
CLYGH4-1250		73	<0.01	<10	<10	12	<10	150	
CLYGH4-1300		112	<0.01	<10	<10	18	<10	140	
CLYGH4-1350		79	<0.01	<10	10	205	<10	1180	
CLYGH4-1400		77	<0.01	<10	<10	27	<10	502	
CLYGH4-1450		65	<0.01	<10	<10	27	<10	378	
CLYGH4-1450B		21	0.06	<10	<10	78	<10	18	
CLYGH4-1500		86	<0.01	<10	<10	24	<10	238	
CLYGH4-1550		58	<0.01	<10	<10	25	<10	296	
CLYGH4-1600		43	<0.01	<10	<10	9	<10	150	
CLYGH4-1650		62	0.01	<10	<10	11	<10	98	
CLYGH4-1700		37	0.01	<10	<10	10	<10	96	
CLYGH4-1750		43	0.01	<10	<10	21	<10	125	
CLYGH4-1800		120	<0.01	<10	<10	26	<10	180	

Comments: Sample CLYSH5-1450B exhibits Au nugget effect. NSS is non-sufficient sample.



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Zn-AA46
		Sr ppm 1	Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Zn % 0.01
CLYGH4-1850		118	<0.01	<10	<10	34	<10	208	
CLYGH4-1900		29	0.01	<10	<10	10	<10	60	
CLYGH4-1950		40	<0.01	<10	<10	7	<10	35	
CLYGH4-2000		33	<0.01	<10	<10	6	<10	72	
CLYGH4-2000D		38	<0.01	<10	<10	6	<10	74	
CLYSH4-0		96	<0.01	<10	<10	19	<10	168	
CLYSH4-50		91	<0.01	<10	<10	15	<10	150	
CLYSH4-100		68	<0.01	<10	<10	20	<10	200	
CLYSH4-150		100	<0.01	<10	<10	14	<10	152	
CLYSH4-200		53	<0.01	<10	<10	10	<10	93	
CLYSH4-250		121	<0.01	<10	<10	15	<10	145	
CLYSH4-250D		112	<0.01	<10	<10	16	<10	153	
CLYSH4-300		95	<0.01	<10	<10	7	<10	82	
CLYSH4-350		52	<0.01	<10	<10	24	<10	235	
CLYSH4-400		66	<0.01	<10	<10	16	<10	156	
CLYSH4-450		87	<0.01	<10	<10	14	<10	134	
CLYSH4-500		80	<0.01	<10	<10	16	<10	192	
CLYSH4-550		29	<0.01	<10	<10	14	<10	166	
CLYSH4-600		61	<0.01	<10	<10	12	<10	115	
CLYSH4-650		99	<0.01	<10	<10	17	<10	174	
CLYSH4-700		112	<0.01	<10	<10	16	<10	171	
CLYSH4-750		98	<0.01	<10	<10	13	<10	164	
CLYSH4-800		130	<0.01	<10	<10	11	<10	112	
CLYSH4-850		150	<0.01	<10	<10	12	<10	179	
CLYSH4-850D		164	<0.01	<10	<10	10	<10	138	
CLYSH4-900		120	<0.01	<10	<10	32	<10	226	
CLYSH4-950		136	<0.01	<10	<10	19	<10	196	
CLYSH4-1000		142	<0.01	<10	<10	12	<10	164	
CLYSH4-1050		149	<0.01	<10	<10	14	<10	176	
CLYSH4-1100		166	<0.01	<10	<10	14	<10	150	
CLYSH4-1150		136	<0.01	<10	<10	11	<10	137	
CLYSH4-1200		73	<0.01	<10	<10	8	<10	81	
CLYSH4-1250		41	<0.01	<10	<10	12	<10	184	
CLYSH4-1300		77	<0.01	<10	<10	13	<10	137	
CLYSH4-1350		91	<0.01	<10	<10	7	<10	283	
CLYSH4-1400		76	<0.01	<10	<10	4	<10	78	
CLYSH4-1450		212	<0.01	<10	<10	4	<10	81	
CLYSH4-1450B		21	0.06	<10	<10	49	<10	16	
CLYSH4-1500		136	<0.01	<10	<10	5	<10	50	
CLYSH4-1550		98	<0.01	<10	<10	9	<10	104	

Comments: Sample CLYSH5-1450B exhibits Au nugget effect. NSS is non-sufficient sample.



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Zn-AA46
		Sr ppm 1	Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Zn % 0.01
CLYSH4-1600		104	<0.01	<10	<10	9	<10	69	
CLYSH4-1650		85	<0.01	<10	<10	29	<10	230	
CLYSH4-1700		43	<0.01	<10	<10	13	<10	114	
CLYSH4-1750		52	<0.01	<10	<10	14	<10	138	
CLYSH4-1800		89	<0.01	<10	<10	25	<10	196	
CLYSH4-1850		52	<0.01	<10	<10	17	<10	116	
CLYSH4-1900		34	<0.01	<10	<10	24	<10	218	
CLYSH4-1950		53	<0.01	<10	<10	22	<10	135	
CLYSH4-2000		53	<0.01	<10	<10	13	<10	90	
CLYSH5-0		42	<0.01	<10	<10	11	<10	90	
CLYSH5-50		61	<0.01	<10	<10	23	<10	254	
CLYSH5-100		27	<0.01	<10	<10	12	<10	110	
CLYSH5-150		29	<0.01	<10	<10	11	<10	99	
CLYSH5-200		69	<0.01	<10	<10	10	<10	97	
CLYSH5-250		55	<0.01	<10	<10	21	<10	219	
CLYSH5-250D		51	<0.01	<10	<10	21	<10	216	
CLYSH5-300		82	<0.01	<10	<10	21	<10	205	
CLYSH5-350		64	<0.01	<10	<10	36	<10	340	
CLYSH5-400		93	<0.01	<10	<10	36	<10	242	
CLYSH5-450		63	<0.01	<10	<10	8	<10	100	
CLYSH5-500		67	<0.01	<10	<10	11	<10	119	
CLYSH5-550		40	<0.01	<10	<10	32	<10	272	
CLYSH5-600		36	<0.01	<10	<10	17	<10	155	
CLYSH5-650		51	0.01	<10	<10	201	<10	604	
CLYSH5-700		23	<0.01	<10	<10	11	<10	99	
CLYSH5-750		62	0.01	<10	<10	55	<10	349	
CLYSH5-800		81	0.01	<10	<10	94	<10	1530	
CLYSH5-850		24	0.01	<10	<10	18	<10	205	
CLYSH5-850D		24	0.01	<10	<10	19	<10	208	
CLYSH5-900		23	<0.01	<10	<10	6	<10	150	
CLYSH5-950		47	<0.01	<10	<10	3	<10	176	
CLYSH5-1000		132	<0.01	<10	<10	316	<10	1195	
CLYSH5-1050		192	<0.01	<10	<10	55	<10	598	
CLYSH5-1100		47	0.01	<10	<10	40	<10	220	
CLYSH5-1150		59	0.01	<10	<10	42	<10	186	
CLYSH5-1200		116	<0.01	10	<10	42	<10	435	
CLYSH5-1250		55	<0.01	<10	<10	30	<10	287	
CLYSH5-1300		50	0.01	<10	<10	30	<10	116	
CLYSH5-1350		282	0.01	<10	<10	156	<10	1680	
CLYSH5-1400		126	<0.01	<10	<10	171	<10	1910	

Comments: Sample CLYSH5-1450B exhibits Au nugget effect. NSS is non-sufficient sample.



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Zn-AA46
		Sr ppm 1	Ti % 0.01	Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Zn % 0.01
CLYSH5-1450		279	0.01	<10	<10	194	<10	2830	
CLYSH5-1450B		21	0.06	<10	<10	51	<10	21	
CLYSH5-1500		448	0.01	10	20	799	<10	596	
CLYSH5-1550		104	<0.01	<10	<10	30	<10	473	
CLYSH5-1600		54	<0.01	<10	<10	16	<10	108	
CLYSH5-1650		79	<0.01	<10	<10	71	<10	392	
CLYSH5-1700		15	<0.01	<10	<10	10	<10	161	
CLYSH5-1750		73	<0.01	<10	<10	12	<10	381	
CLYSH5-1800		35	<0.01	<10	<10	35	<10	696	
CLYSH5-1850		42	0.01	<10	<10	63	<10	489	
CLYSH5-1900		94	<0.01	10	10	49	<10	601	
CLYSH5-1950		69	<0.01	<10	<10	366	<10	2240	
CLYSH5-2000		75	0.02	<10	<10	279	<10	>10000	1.27
CLYSH5-2050		73	0.01	<10	10	146	<10	1130	
CLYSH5-2050D		67	0.01	<10	<10	146	<10	1090	
CLYSH5-2100		177	0.01	<10	<10	78	<10	922	
CLYSH5-2150		110	0.01	<10	10	132	<10	1380	
CLYSH5-2200		118	0.01	<10	<10	160	<10	1680	

Comments: Sample CLYSH5-1450B exhibits Au nugget effect. NSS is non-sufficient sample.

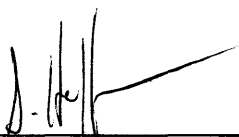
APPENDIX D

GEOLOGIST'S CERTIFICATE

I, R. Scott Heffernan, of 104 – 2280 West 6th Avenue, Vancouver, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Consulting Geologist with offices at Suite 700, 700 West Pender Street, Vancouver, British Columbia.
2. THAT I am a graduate of the University of Alberta with a Bachelor of Science degree in Geology in 1999, and am currently a graduand of the University of British Columbia, enrolled in a Master of Science degree in Geology.
3. THAT I am a Geoscientist in Training registered in good standing with the Association of Professional Engineers and Geoscientists of the Province of Alberta (#20063).
4. THAT this report is based on fieldwork carried out by me or under my direction during June and September 2003 and on publicly available reports

DATED at Vancouver, British Columbia, this 19th day of January, 2004.



R. Scott Heffernan, M.Sc. Graduand, Geol.I.T.
Equity Engineering Ltd.

YUKON ENERGY MINES
& RESOURCES
P.O. Box 21
Whitehorse, Yukon Y1A 2C6

LITHOLOGIC LEGEND (to accompany Figure 3)

QUATERNARY

Q **QUATERNARY** unconsolidated glacial, glaciofluvial and glaciolacustrine deposits; fluvial silt, sand, and gravel, and local volcanic ash, in part with cover of soil and organic deposits

TERTIARY(?) AND QUATERNARY

TQs **SELKIRK** resistant, brown weathering, columnar jointed, vesicular to massive basalt flows; minor pillow basalt; basaltic tuff and breccia (**Selkirk Volcanics**)

MID-CRETACEOUS

mKC **CASSIAR SUITE** medium- to coarse-grained, equigranular to porphyritic rocks of largely felsic (q) composition; includes minor (?) amounts questionably of more intermediate composition (g)

mKS **SELWYN SUITE** plutonic suite of intermediate (g) to more felsic composition (q) and rarely syenitic (y) composition; equivalent felsic dykes (f); complete compositional gradation so that these designations are somewhat arbitrary

CARBONIFEROUS TO PERMIAN

CPA **ANVIL** dominantly oceanic assemblages of mafic, volcanics, ultramafics, chert and pelite, limestone, and gabbroic rocks

UPPER TRIASSIC

TJc **JONES LAKE – CASSIAR** calcareous siltstone and shale, commonly finely cross laminated; dark grey and buff weathering, recessive, thin bedded locally bioclastic limestone and interbedded sandy or silty limestone

DEVONIAN - MISSISSIPPIAN

DMEC **EARN** complex assemblage of submarine fan and channel deposits (1), (5) within black siliceous shale and chert (2), (4) and including separated small occurrences of felsic volcanic rocks (3); common barite, and many occurrences of stratiform Pb-Zn mineralization

DMPE **PELLY GNEISS SUITE** variably deformed granitic rocks of predominantly felsic (q) to intermediate composition (g) northeast of Tintina Fault (**Simpson Range Suite**)

DMN **NASINA** graphitic quartzite and muscovite quartz-rich schist (1), (3)-(5), and(?) (6) with interspersed marble (2) and probable correlative successions (7) - (9)

MIDDLE SILURIAN TO MIDDLE DEVONIAN

SDA **ASKIN** platy dolomitic siltstone (1) overlain by dolostone and orthoquartzite (2) with rare volcanics (3)

DMN **NASINA** graphitic quartzite and muscovite quartz-rich schist (1), (3)-(5), and(?) (6) with interspersed marble (2) and probable correlative successions (7) - (9)

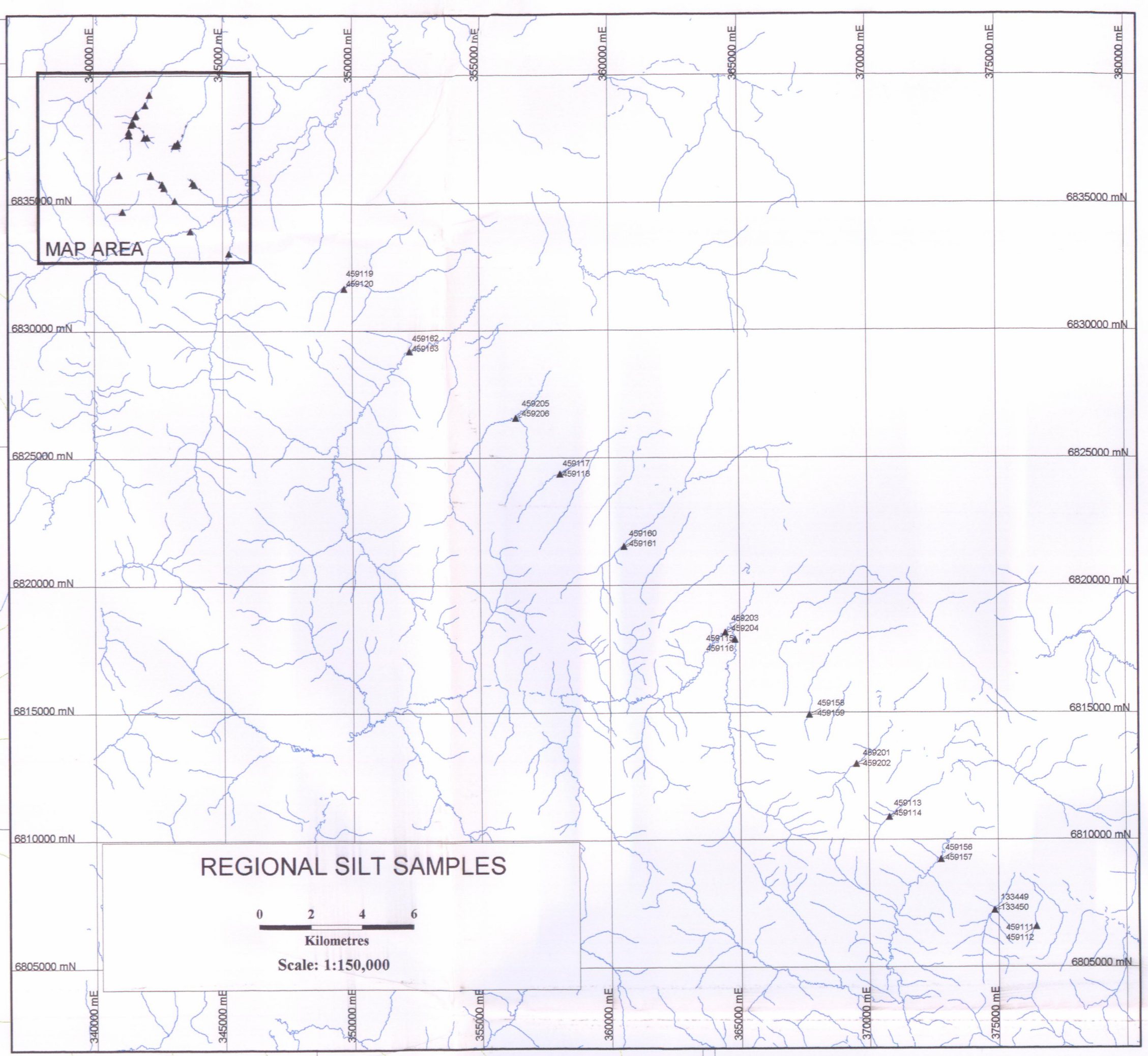
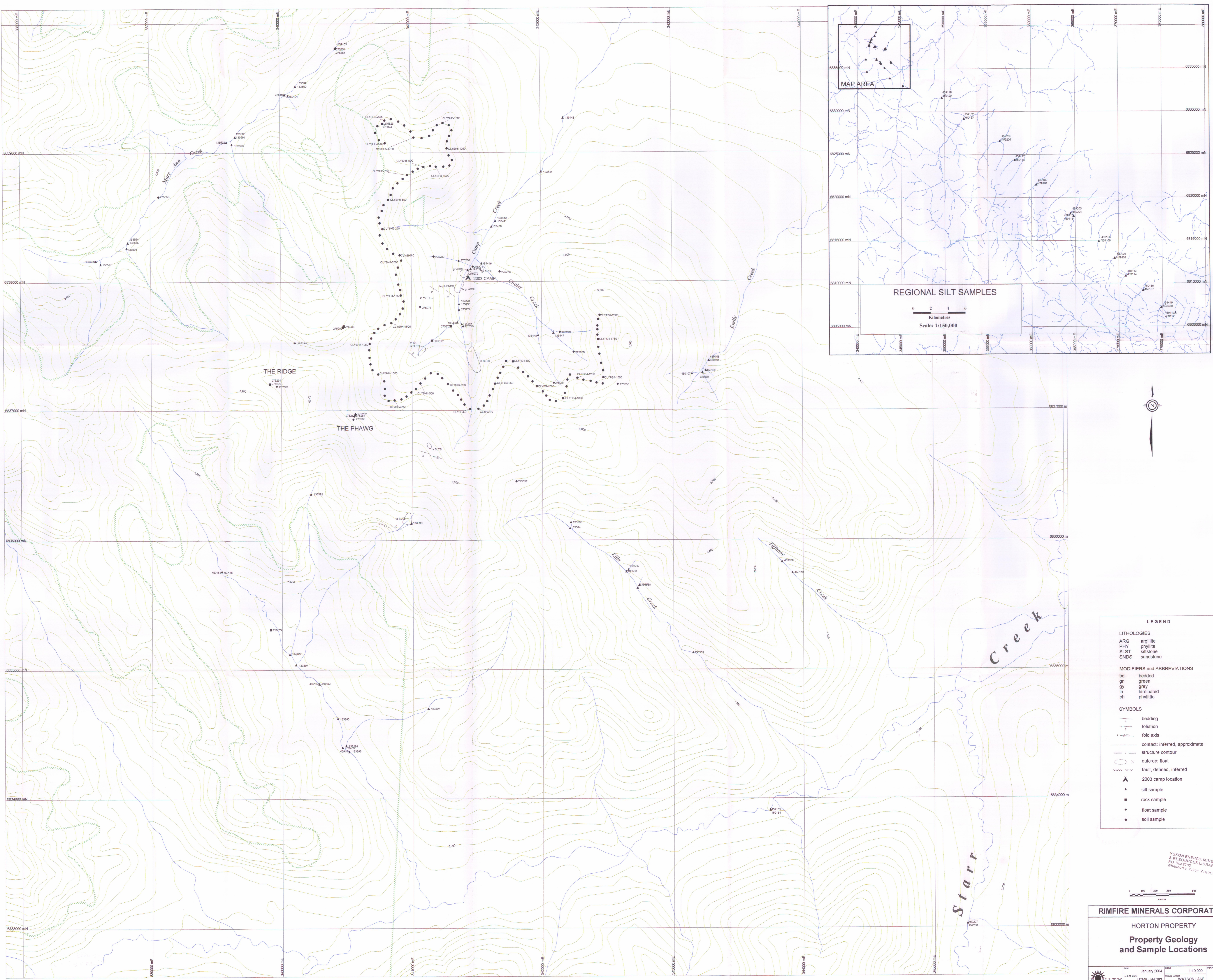
UPPER CAMBRIAN AND LOWER ORDOVICIAN

COK **KECHIKA** basinal fine grained calcareous pelitic strata (1) with locally intercalated mafic volcanics (2)

COR **RABBITKETTLE** basinal limestone (1) that may locally include older and younger basinal pelitic strata undivided (2)

LATE PROTEROZOIC AND PALEOZOIC

PPN **NISLING** assemblage characterized by mica quartz feldspar schist (1) and abundant locally thick limestone members (2); (3) includes possibly equivalent strata northeast of Tintina Fault



LEGEND

LITHOLOGIES

ARG argillite
PHY phyllite
SLST siltstone
SNDS sandstone

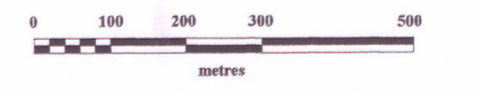
MODIFIERS and ABBREVIATIONS

bd bedded
gn green
gy grey
ls laminated
ph phyllitic

SYMBOLS

— bedding
— foliation
— fold axis
--- contact: inferred, approximate
- - - structure contour
- - - outcrop; float
- - - fault, defined, inferred
▲ 2003 camp location
▲ silt sample
▲ rock sample
• float sample
• soil sample

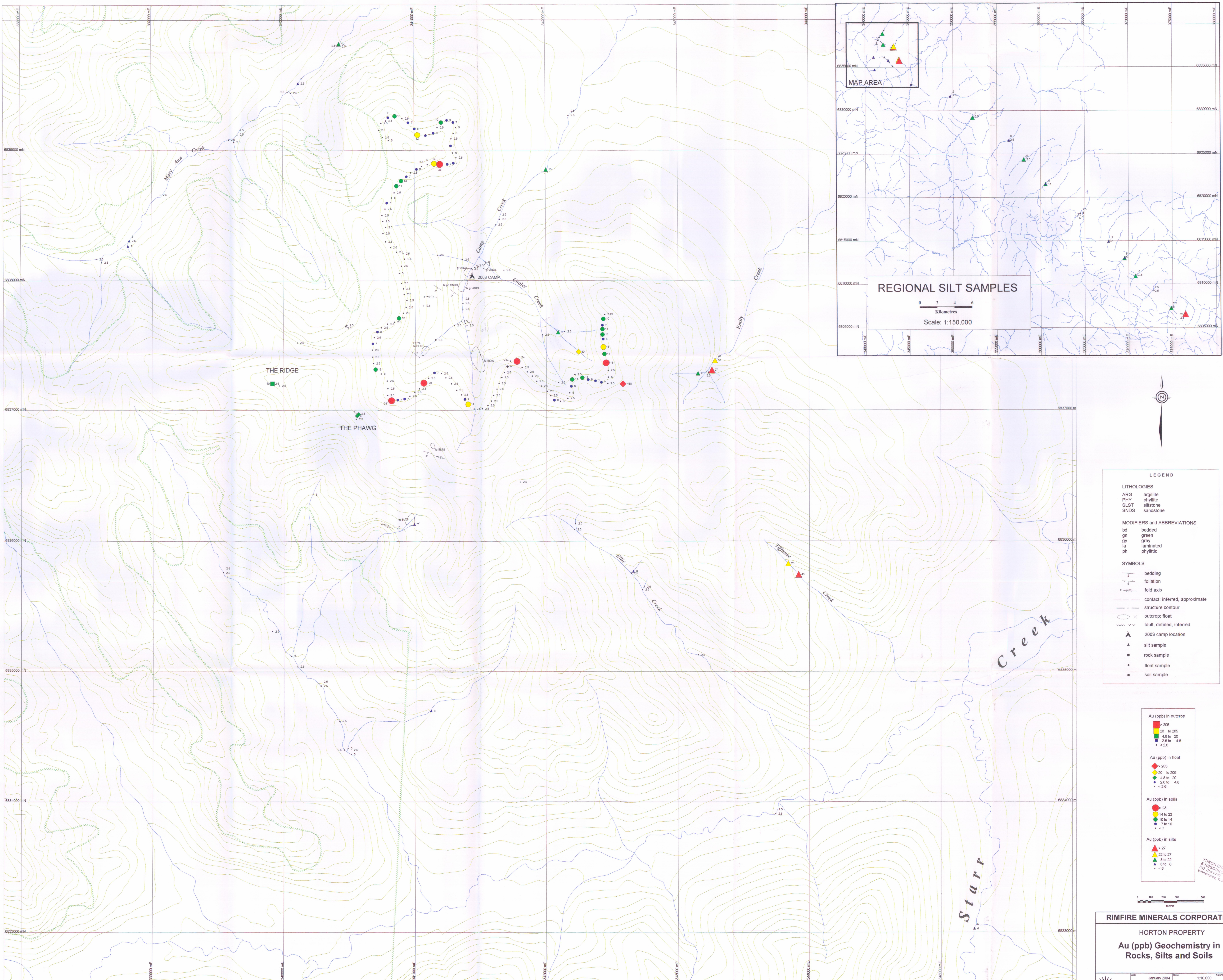
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RIMFIRE MINERALS CORPORATION

HORTON PROPERTY

**Property Geology
and Sample Locations**



REGIONAL SILT SAMPLES

0 2 4 6
Kilometres
Scale: 1:150,000



LEGEND

LITHOLOGIES

ARG	argillite
PHY	phyllite
SLST	siltstone
SNDS	sandstone

MODIFIERS and ABBREVIATIONS

bd	bedded
gr	green
gy	grey
la	laminated
ph	phyllitic

SYMBOLS

	bedding
	foliation
	fold axis
	contact: inferred, approximate
	structure contour
	outcrop: float
	fault, defined, inferred
	2003 camp location
	silt sample
	rock sample
	float sample
	soil sample

Au (ppb) in outcrop

	> 205
	20 to 205
	4.8 to 20
	2.6 to 4.8
	< 2.6

Au (ppb) in float

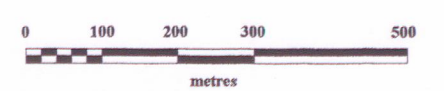
	> 205
	20 to 205
	4.8 to 20
	2.6 to 4.8
	< 2.6

Au (ppb) in soils

	> 23
	4 to 23
	10 to 14
	7 to 10
	< 7

Au (ppb) in silts

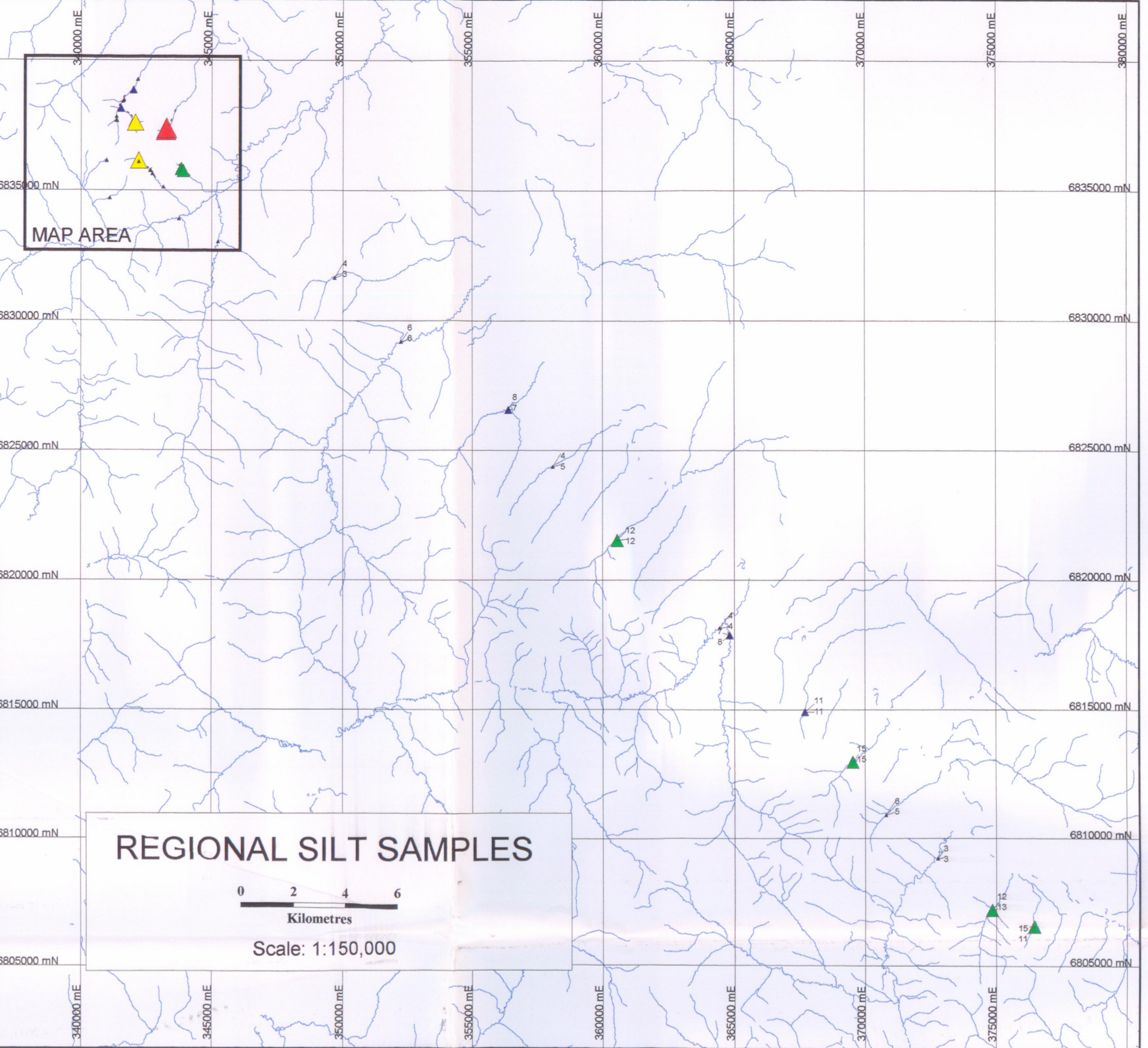
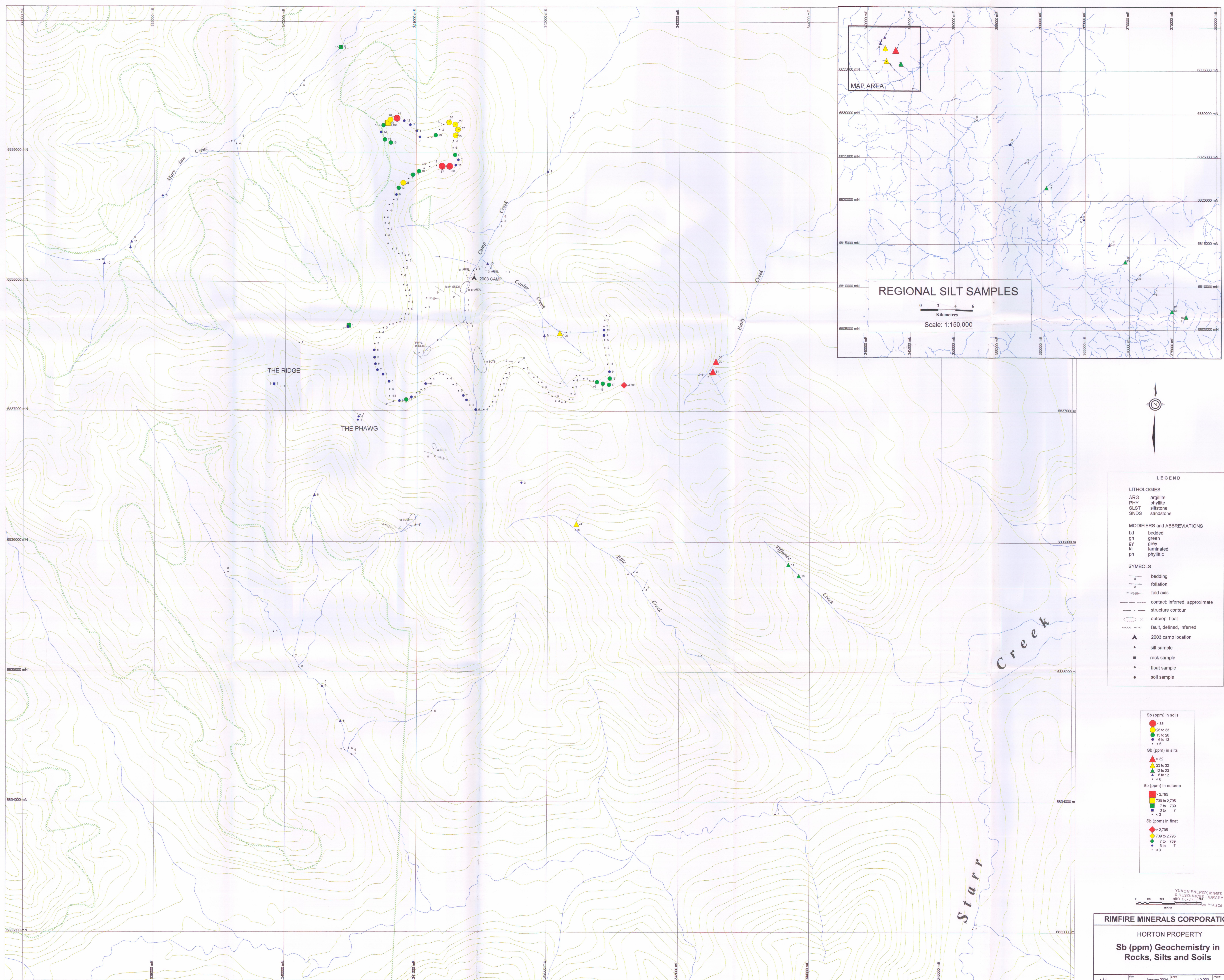
	> 27
	22 to 27
	8 to 22
	6 to 8
	< 6



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Au (ppb) Geochemistry in Rocks, Silts and Soils



LEGEND

LITHOLOGIES

ARG argillite
 PHY phyllite
 SLST siltstone
 SNDS sandstone

MODIFIERS and ABBREVIATIONS

bd bedded
 gn green
 gy grey
 la laminated
 ph phyllitic

SYMBOLS

bedding
 foliation
 fold axis
 contact: inferred, approximate
 structure contour
 outcrop; float
 fault, defined, inferred
 2003 camp location
 silt sample
 rock sample
 float sample
 soil sample

Sb (ppm) in soils

● > 33
 ● 26 to 33
 ● 13 to 26
 ● 6 to 13
 ● < 6

Sb (ppm) in silts

▲ > 32
 ▲ 23 to 32
 ▲ 12 to 23
 ▲ 8 to 12
 ▲ < 8

Sb (ppm) in outcrop

■ > 2,795
 ■ 739 to 2,795
 ■ 7 to 739
 ■ 3 to 7
 ■ < 3

Sb (ppm) in float

◆ > 2,795
 ◆ 739 to 2,795
 ◆ 7 to 739
 ◆ 3 to 7
 ◆ < 3

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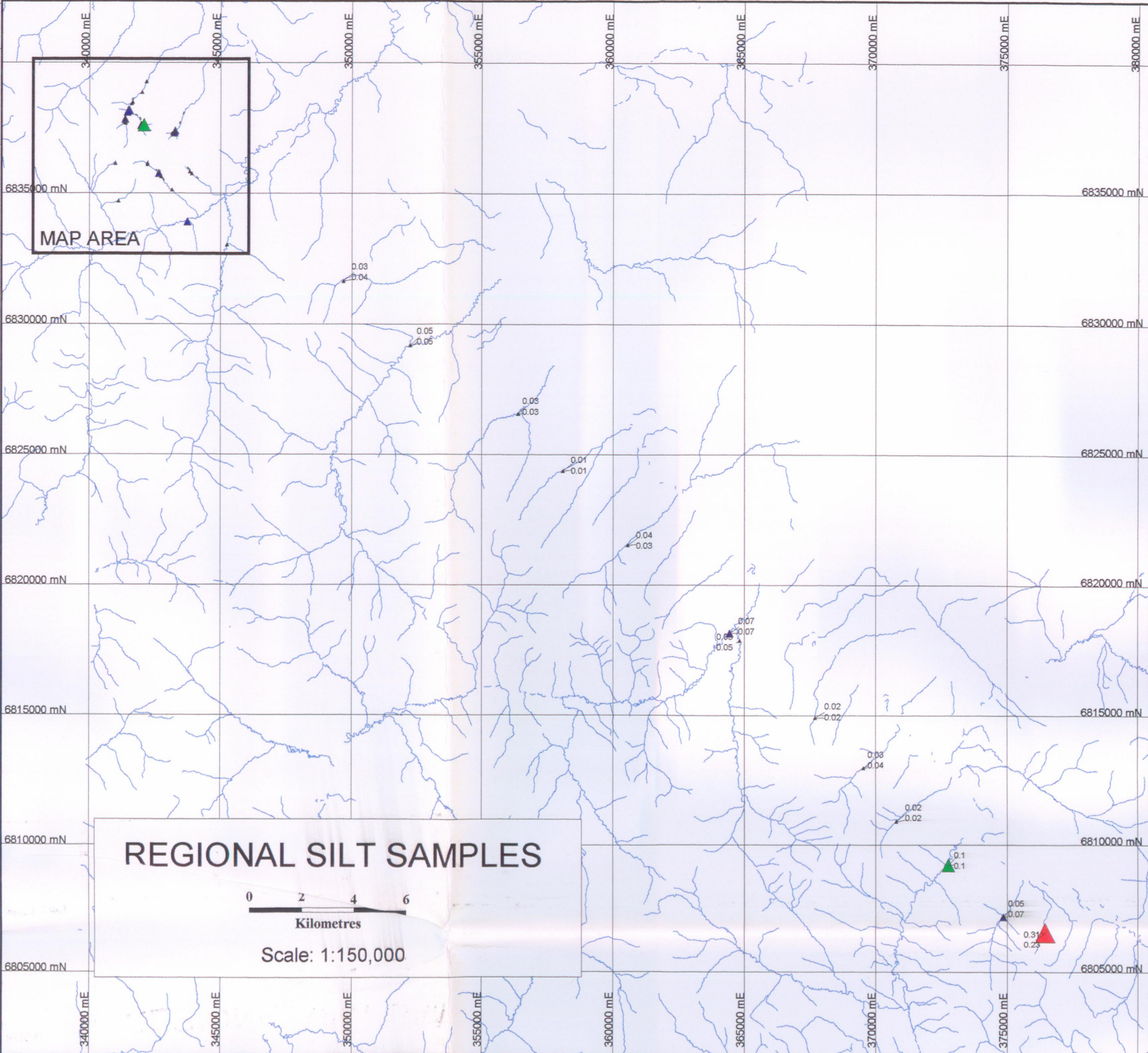
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Sb (ppm) Geochemistry in Rocks, Silts and Soils

Date: January 2004
 UTM Zone: 11T
 UTM: NAD83
 106F16 106G12

Scale: 1:150,000
 Mining District: WATSON LAKE
 Sheet: YUKON

6



LEGEND

LITHOLOGIES
 ARG argillite
 PHY phyllite
 SLST siltstone
 SNDS sandstone

MODIFIERS and ABBREVIATIONS
 bd bedded
 gn green
 gy grey
 la laminated
 ph phyllitic

SYMBOLS
 — bedding
 — foliation
 — fold axis
 - - - contact: inferred, approximate
 - - - structure contour
 - - - outcrop; float
 - - - fault, defined, inferred

▲ 2003 camp location
 ▲ silt sample
 ■ rock sample
 ● float sample
 ● soil sample

Hg (ppm) in outcrop

- > 26
- 20 to 26
- 7 to 20
- 0.2 to 7
- < 0.2

Hg (ppm) in float

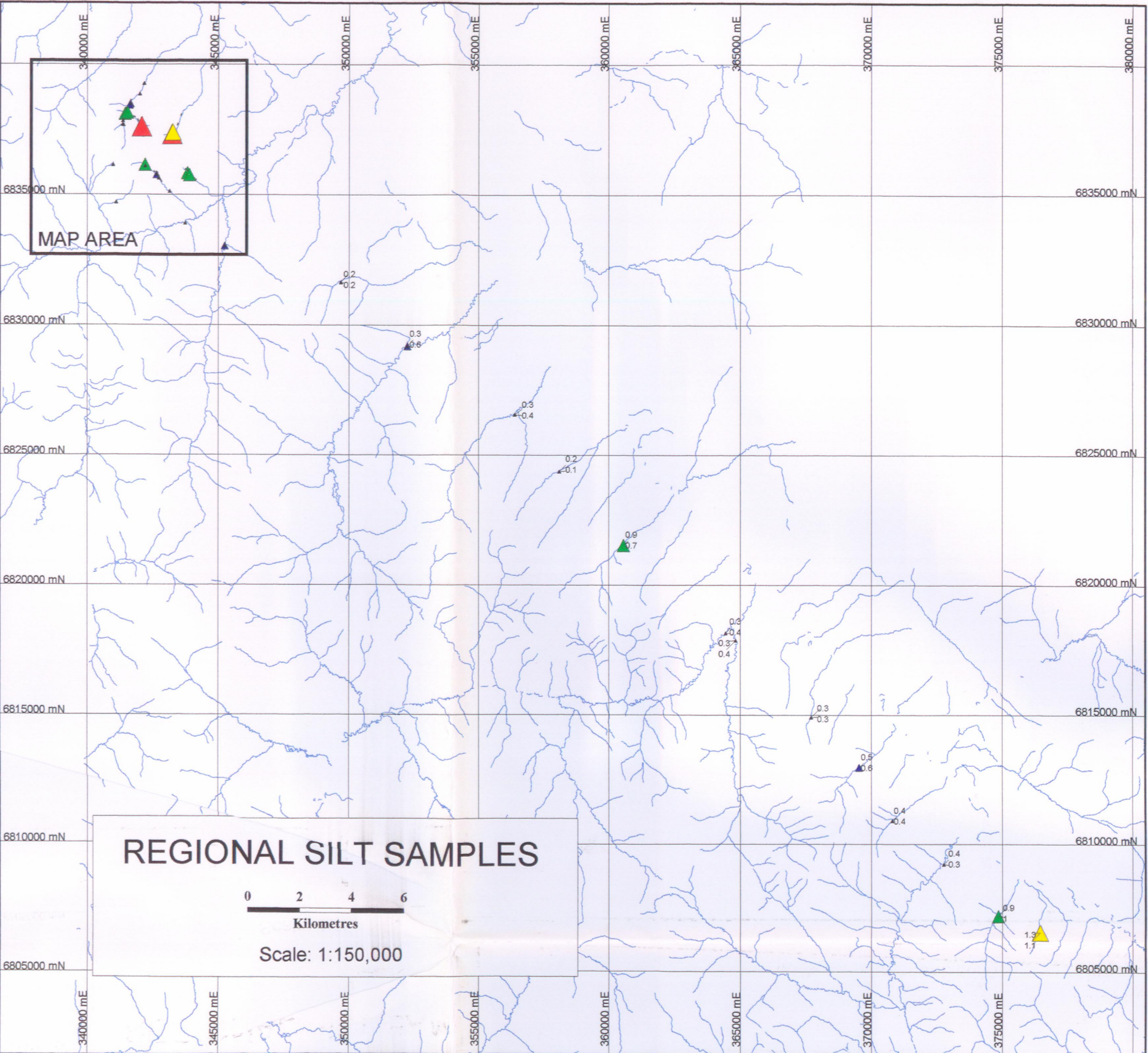
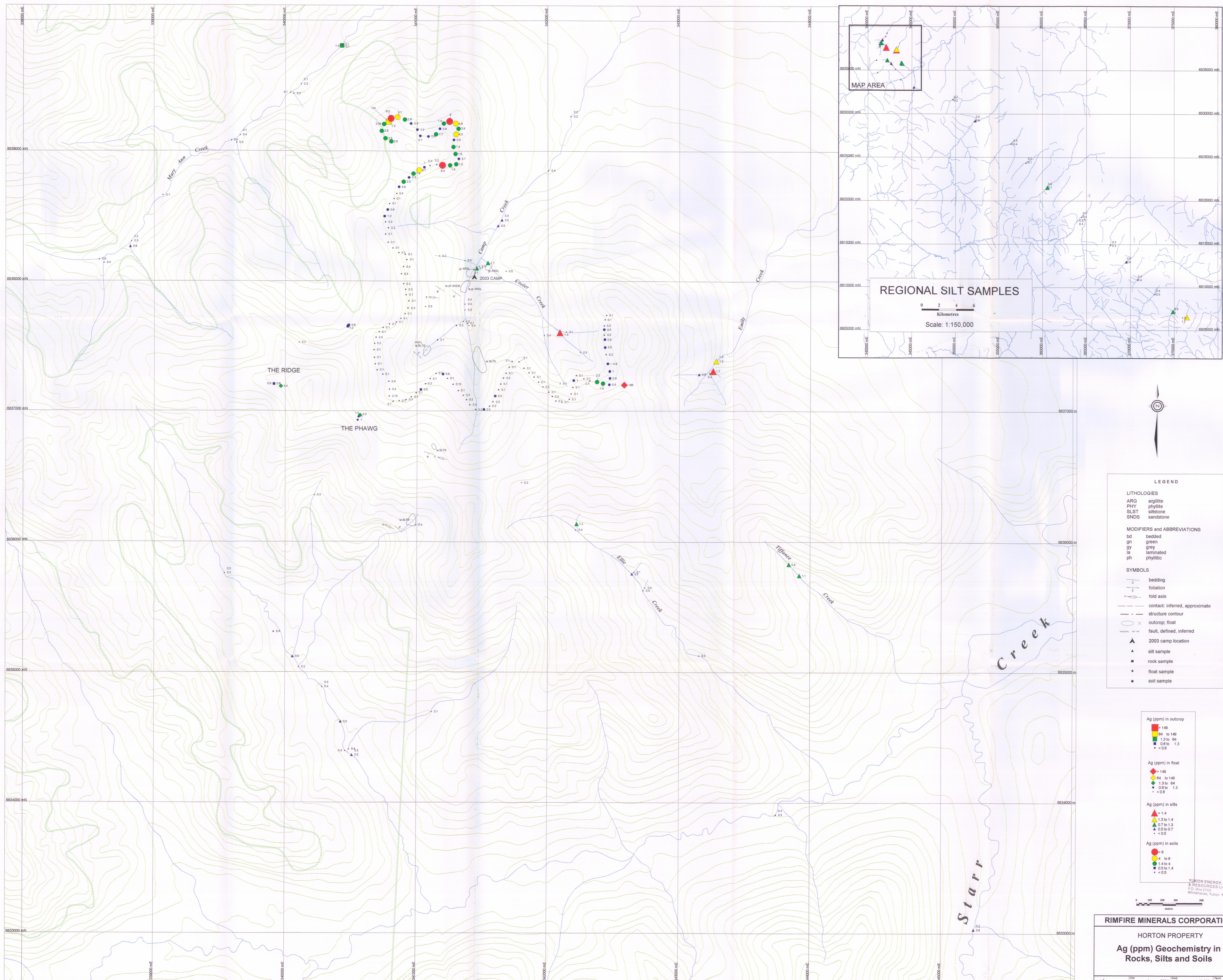
- ◆ > 26
- ◆ 20 to 26
- ◆ 7 to 20
- ◆ 0.2 to 7
- < 0.2

Hg (ppm) in silts

- ▲ > 0.16
- ▲ 0.14 to 0.16
- ▲ 0.11 to 0.14
- ▲ 0.07 to 0.11
- < 0.07

Hg (ppm) in soils

- > 0.6
- 0.42 to 0.6
- 0.18 to 0.42
- 0.1 to 0.18
- < 0.1



LEGEND

LITHOLOGIES

- ARG argillite
- PHY phyllite
- SLST siltstone
- SNDS sandstone

MODIFIERS and ABBREVIATIONS

- bd bedded
- gn green
- gy grey
- la laminated
- ph phyllitic

SYMBOLS

- bedding
- foliation
- fold axis
- contact: inferred, approximate
- structure contour
- outcrop: float
- fault, defined, inferred
- ▲ 2003 camp location
- silt sample
- float sample
- soil sample

Ag (ppm) in outcrop

- > 140
- 64 to 140
- 1.3 to 64
- 0.5 to 1.3
- < 0.5

Ag (ppm) in float

- ◆ > 140
- ◆ 64 to 140
- ◆ 1.3 to 64
- ◆ 0.5 to 1.3
- < 0.5

Ag (ppm) in silts

- ▲ > 1.4
- ▲ 1.3 to 1.4
- ▲ 0.7 to 1.3
- ▲ 0.5 to 0.7
- < 0.5

Ag (ppm) in soils

- > 6
- 4 to 6
- 1.4 to 4
- 0.5 to 1.4
- < 0.5

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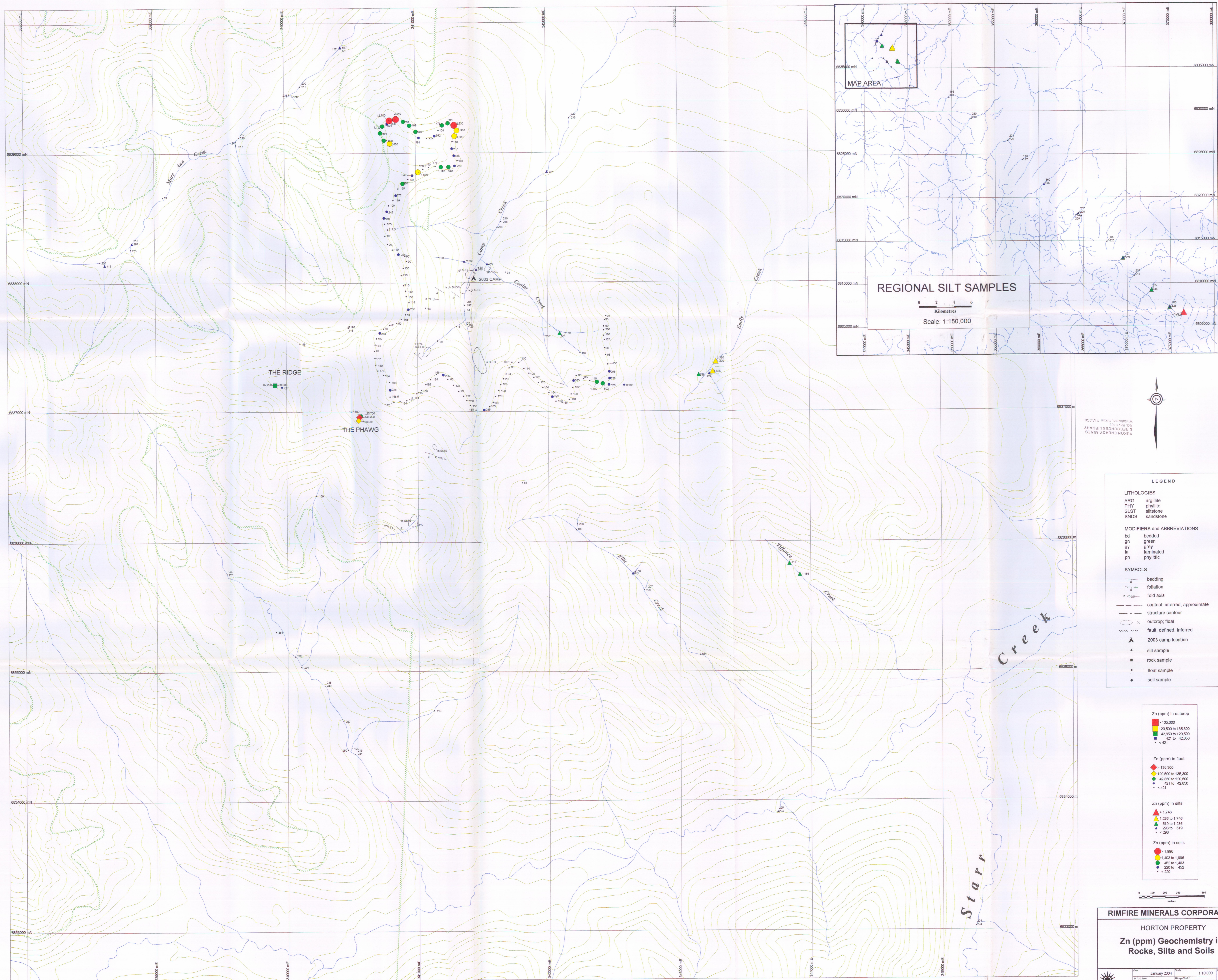
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HORTON PROPERTY

Ag (ppm) Geochemistry in Rocks, Silts and Soils

Issue: January 2004 Date: 1:10,000 Page: 8

UTM Zone: UTM8 - NAD83 Map Date: WATSON LAKE
 N.T.S. 105F16 105G12 Date/Revision: YUKON



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LEGEND

LITHOLOGIES

ARG	argillite
PHY	phyllite
SLST	siltstone
SNDS	sandstone

MODIFIERS and ABBREVIATIONS

bd	bedded
gn	green
gy	grey
la	laminated
ph	phyritic

SYMBOLS

	bedding
	foliation
	fold axis
	contact: inferred, approximate
	structure contour
	outcrop; float
	fault, defined, inferred
	2003 camp location
	silt sample
	rock sample
	float sample
	soil sample

Zn (ppm) in outcrop

	> 135,300
	120,500 to 135,300
	42,850 to 120,500
	421 to 42,850
	< 421

Zn (ppm) in float

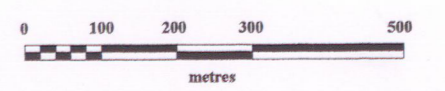
	> 135,300
	120,500 to 135,300
	42,850 to 120,500
	421 to 42,850
	< 421

Zn (ppm) in silts

	> 1,748
	1,288 to 1,748
	519 to 1,288
	288 to 519
	< 288

Zn (ppm) in soils

	> 1,998
	1,403 to 1,998
	452 to 1,403
	220 to 452
	< 220



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**Zn (ppm) Geochemistry in
 Rocks, Silts and Soils**