

**Serengeti Resources Inc.**

**2004 GEOCHEMICAL REPORT ON THE  
TWIN PROPERTY**

Located in the Stewart Area  
Skeena Mining Division  
BCGS 104B.030  
NTS 104B/1E  
56° 13' North Latitude  
130° 03' West Longitude

-prepared for-  
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June, 2005

## SUMMARY

The Twin property consists of 35 claim units covering 8.8 km<sup>2</sup> of mountainous terrain in northwestern British Columbia. It is located 30 kilometres north of concentrate-loading port facilities at Stewart, B.C. and connected by a government-maintained gravel road which runs along the western edge of the property. Serengeti Resources Inc. owns the Twin property outright.

The Twin property lies in the heart of the Early Jurassic Stewart-Unuk-Iskut metallogenic belt, which hosts a number of Au-Ag±Cu vein and porphyry deposits associated with 193-198 Ma porphyritic intrusives, including Silbak Premier (5.3 million tonnes @ 10.9 g/tonne Au, 233 g/tonne Ag) and Kerr (135 million tonnes @ 0.76% Cu, 0.34 g/tonne Au). Regional mapping shows the Twin property to be underlain by a steeply east-dipping homoclinal succession of Early to Middle Jurassic Hazelton Group volcanic and sedimentary rocks.

A total of 19 silt samples, 13 soil samples and 17 rock samples were collected from the Twin property during the course of limited prospecting and geochemical sampling in July and October of 2004. Rock sampling indicated elevated gold values over a 150 x 800 metre, northerly-trending area on Trojan Horse Ridge, near the western property boundary, which had received some previous trenching (Rainbow Showing; Minfile 104B-075). Chip sampling returned up to 11.65 g/tonne Au across three metres from an old trench, cutting a 0.6 metre quartz vein and its wallrocks. Soil samples taken downslope of mineralization returned generally elevated values for Au, Ag, As, Pb and Sb, all of which are present in the Trojan Horse mineralization. Two silt samples were anomalous in gold; one drains the Trojan Horse mineralization but the other drains an area for which no mineralization has yet been found.

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## 1.0 INTRODUCTION

The Twin property is located 30 kilometres north of Stewart in northwestern BC (Figure 1), within the Early Jurassic Stewart-Unuk-Iskut metallogenic belt. Numerous Au-Ag+/-Cu vein and porphyry deposits associated with 193-198 Ma porphyritic intrusives have been defined in this belt, including Kerr, Red Bluff, Silbak-Premier, Scottie Gold, and East Gold Mine.

Equity Engineering Ltd. was contracted by Serengeti Resources Inc. to carry out limited geochemical sampling and prospecting on the Twin property in July and October, 2004 and has been retained to report on the results.

## 2.0 PROPERTY TITLE

The Twin property consists of 35 contiguous mineral claim units covering 875 hectares (8.8 km<sup>2</sup>), as summarized in Table 2.0.1. It lies within the Skeena Mining Division, centred at 56° 13' north latitude and 130° 03' west longitude (Figure 2). Records of the British Columbia Ministry of Energy and Mines indicate that all claims are held by Serengeti Resources Inc..

**Table 2.0.1. Claim Data**

Claim Name	Mineral Tenure	No. of Units	Record Date	Expiry Date
Twin 1	409867	20	April 21, 2004	April 21, 2006*
Twin 2	409868	15	April 21, 2004	April 21, 2006*
		35		

\*Subject to approval of this report

## 3.0 LOCATION, ACCESS AND GEOGRAPHY

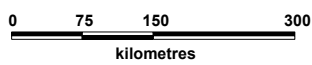
The gravel road which connects concentrate-shipping port facilities at Stewart with the former Granduc mill-site passes along the western edge of the Twin property. During the 2004 program, access to the property was both by road and using a Hughes 500D helicopter operated by Prism Helicopters Ltd. out of its Stewart base.

The Twin property covers an unnamed ridge east of Summit Lake. The property is rugged, with elevations ranging from 760 metres on Betty Creek (in the northwestern corner of the property) to over 1740 metres along the ridgeline. Treeline lies at about 1,200 metres with lower elevations covered by thick vegetation. The Twin property is subject to a northern coastal climate, with cool wet summers and cooler, wetter winters. Several metres of snow can accumulate during the winter.

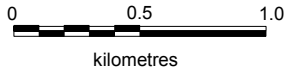
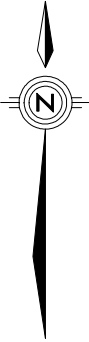
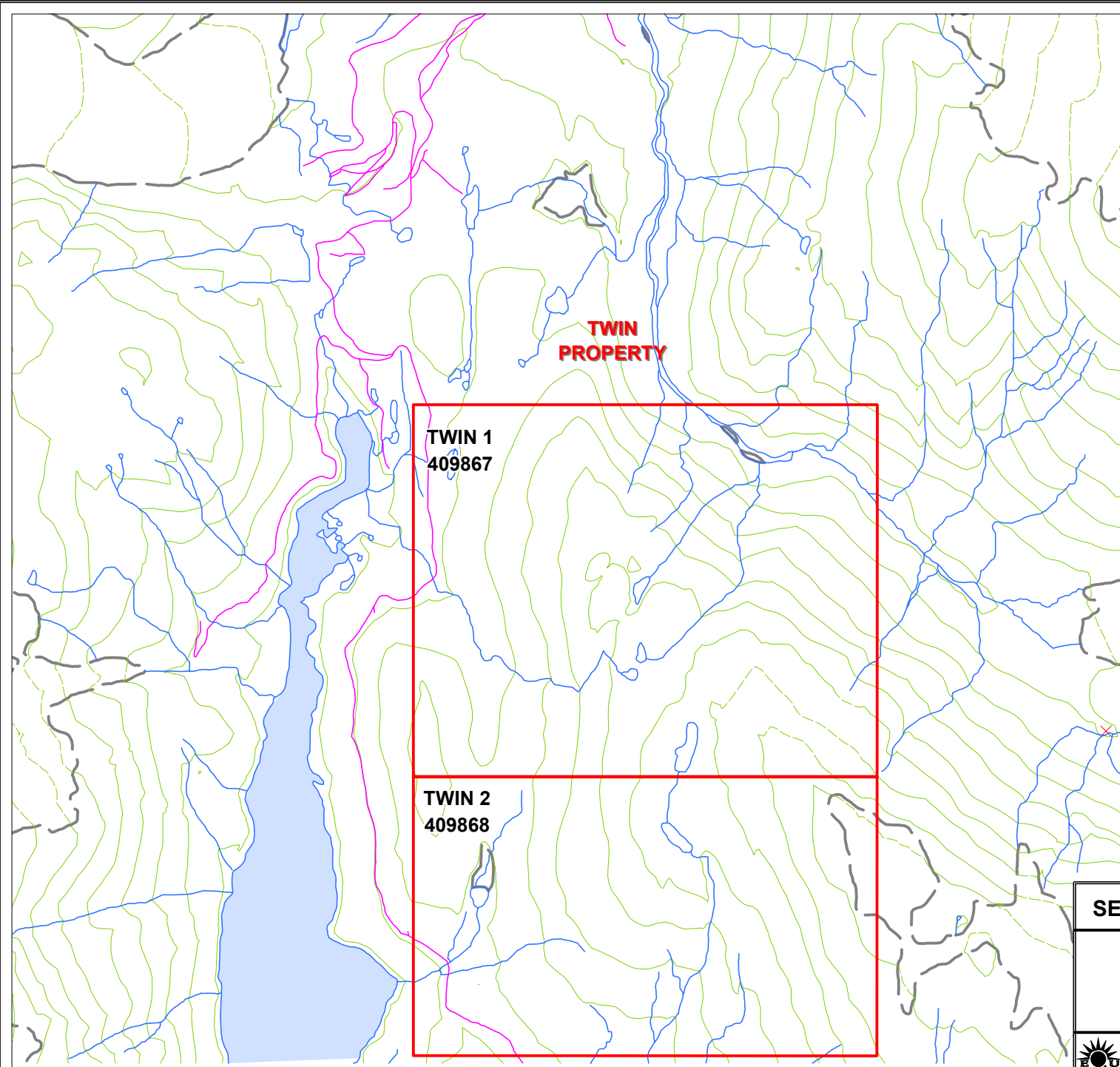
## 4.0 2004 EXPLORATION PROGRAM

Limited prospecting and geochemical sampling of the Twin property were carried out on two days in 2004. A 5-man crew collected 13 rock and 19 silt samples on July 21, 2004. An additional 4 rock and 13 soil samples were collected by a prospector during a follow-up visit on October 1, 2004. A magnetic declination of 23° 30'E was used for all compass measurements. All maps and UTM's are referenced to the 1983 North American Datum (NAD-83).

Silt samples were taken from active parts of streams; their locations were marked with pink and blue flagging and an aluminum tag. Soil samples were marked with orange flagging and a tyvek tag; wherever possible, they were taken from B-horizon soils. Rock samples were marked in the field by a combination of pink and blue flagging plus a small aluminum tag on which has been inscribed the




<b>SERENGETI RESOURCES INC.</b>			
<b>TWIN PROPERTY LOCATION MAP</b>			
	Date: JUNE 2005	Scale: 1:8,000,000	Figure
	U.T.M. Zone UTM9 - NAD83	Mining District SKEENA	<b>1</b>
	N.T.S.	State/Province BC	



**SERENGETI RESOURCES INC.**

**TWIN PROPERTY  
CLAIM  
MAP**

	Date: JUNE 2005	Scale: 1:30,000	Figure
	U.T.M. Zone: UTM 9 - NAD83	Mining District: SKEENA	<b>2</b>
	N.T.S. 104B/8	State/Province: BC	

sample number, the type of sample, the initials of the sampler, and the date the sample was taken. Rock descriptions are attached in Appendix C.

All samples were analyzed by ALS Chemex Laboratories of Vancouver. All rock, soil and silt samples were analyzed for gold (30 g Fire Assay-Atomic Absorption) plus a 34-element suite using ICP-ES (Inductively Coupled Plasma Emission Spectroscopy). Pulp assays were carried out for high geochemical values of Au, Ag or Pb. Screened (“metallics”) assays for Au were carried out on rejects when initial geochemical values exceeded 10,000 ppb Au. Certificates of analysis are presented in Appendix D.

## 5.0 REGIONAL GEOLOGY AND METALLOGENY

The Stewart mining camp lies along the western margin of the Intermontane tectonic belt, adjacent to the Coast Plutonic Complex. The area is underlain by the Hazelton Group, a Lower Jurassic island-arc complex and its coeval plutons (Fig. 3a).

In the Stewart area, the Hazelton Group has been divided into four formations. At the base is the Unuk River Formation (Norian to Pliensbachian), with at least 4500 metres of monotonous green to greenish grey andesitic tuffs and flows with minor interbedded sedimentary rocks. Alldrick (1993) divided the Unuk River Formation into six members:

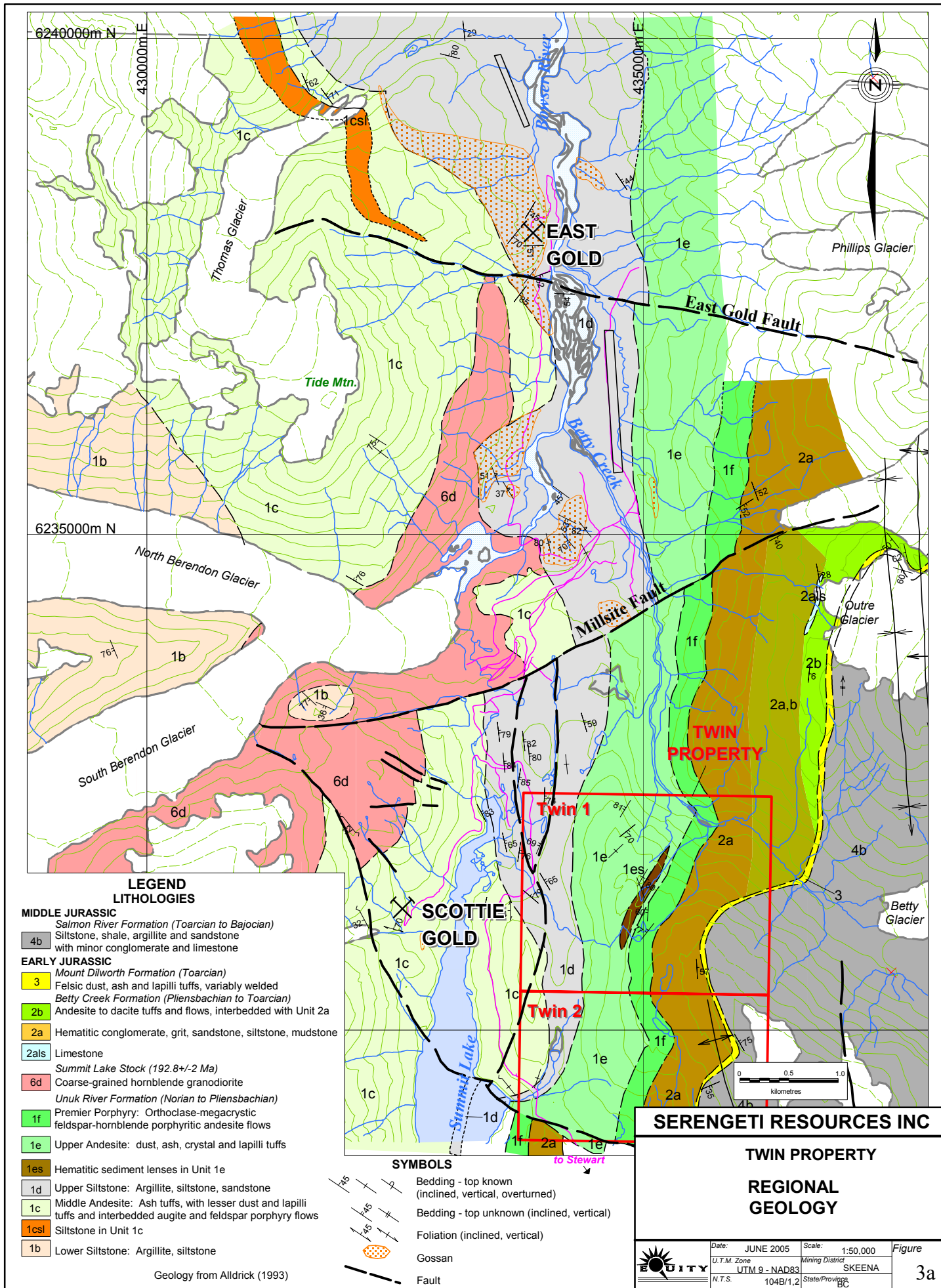
1. Lower Andesite Member (Unit 1a): >500 metres of massive to well-bedded ash tuff.
2. Lower Siltstone Member (Unit 1b): 50 to >200 metres of thin-bedded dark grey to black argillite and siltstone.
3. Middle Andesite Member (Unit 1c): >1500 metres of dust tuff, ash tuff, lapilli tuff and minor tuff breccia with interbedded graded sandstone (Unit 1csd) and siltstone (Unit 1csl); massive pyroxene-phyric flows (Unit 1ca) near the top of the member; minor two-feldspar porphyry flows.
4. Upper Siltstone Member (Unit 1d): 50 to >1000 metres of carbonaceous thin-bedded argillite, siltstone, sandstone; local basal conglomerate (Unit 1dc) and coralline limestone (Unit 1dl).
5. Upper Andesite Member (Unit 1e): 2000 metres of massive tuff with minor flows and local lenses of sediments.
6. Premier Porphyry Member (Unit 1f): Orthoclase-megacrystic, plagioclase-hornblende-phyric andesite flows and tuff-breccia.

The Betty Creek Formation (Pliensbachian to Toarcian), which unconformably overlies the Unuk River Formation, is a complex succession of red and green epiclastics (Unit 2a) interbedded with andesitic to dacitic tuffs and flows (Unit 2b). The epiclastics are derived from Unuk River volcanics and Alldrick (1993) interprets the Betty Creek Formation as a subaerial clastic apron of poorly sorted lahars and reworked debris flows interbedded with andesitic to dacitic volcanics, on the flanks of an emergent stratovolcano. The Betty Creek Formation varies from 4 to 1200 metres thick and ranges from dominantly volcanic to dominantly sedimentary, probably reflecting paleotopography and regional distribution of volcanic vents.

The Mount Dilworth Formation (Toarcian) is composed of 20-120 metres of dense, variably welded dacite dust, ash and lapilli tuffs (Unit 3) overlying the Betty Creek Formation. It is a resistant, cliff-forming unit which serves as a regional marker.

The Salmon River Formation (Toarcian to Bajocian) is a >1000 metre thick assemblage of complexly folded, thin to medium-bedded siltstones and wackes with minor interbedded intraformational conglomerates, limestones and siliceous tuffaceous siltstones (Unit 4). In the Eskay Creek area, 50 kilometres to the northwest, the Salmon River Formation includes bimodal volcanic centres comprised of rhyolite flow-dome complexes and pillowed/massive basalts.

The Texas Creek Plutonic Suite comprises a group of Early Jurassic granodioritic stocks, dykes, sills and a batholith in the Stewart-Unuk-Iskut area. Alldrick (1993) believed them to be emplaced in a





shallow volcanic setting below and within coeval andesitic stratovolcanos. The Summit Lake Stock (Unit 6d), dated at  $192.8 \pm 2$  Ma (Alldrick, 1993), is a 2 x 3 km hornblende granodiorite stock centred approximately 2 kilometres west of the Twin property. The stock, which is fresh, medium- to coarse-grained and generally equigranular, with rare potassium feldspar phenocrysts, cuts only rocks of the Unuk River Formation.

The Premier Porphyry Dykes (Unit 6c), dated at  $194.8 \pm 2$  Ma, are characterized by potassium feldspar megacrysts and plagioclase and hornblende phenocrysts in a fine-grained to aphanitic groundmass (Alldrick, 1993). Only the lower members of the Unuk River Formation are cut by the dykes, which are thought to be subvolcanic feeders to the extrusive Premier Porphyry Member. The dykes are generally altered to a sericite-carbonate±chlorite±pyrite assemblage and are spatially associated with district mineralization.

The Early to Middle Eocene Hyder Plutonic Suite consists of a batholith and satellite stocks and dykes lying east of the Coast Plutonic Complex in the Stewart area. The Hyder Suite is genetically related to the Coast Plutonic intrusives and mineralogically and texturally similar. The Hyder Dykes form prominent swarms of regional extent and randomly distributed, isolated dykes. Four dyke phases were recognized by Alldrick (1993): granodiorite porphyry, aplite, microdiorite, and lamprophyre dykes. The Berendon dyke swarm, dominantly composed of north to northwest trending microdiorite and lamprophyre dykes, trends south along the west side of the Bowser River flood-plain and Summit Lake before swinging southeasterly to join the larger Portland Canal dyke swarm.

The Hazelton Group has been folded into north-northwest trending, doubly plunging syncline/anticline pairs with subvertical axial planes. Clastics of the Salmon River Formation occupy the cores of the synclines and display disharmonic tight to isoclinal folds at many scales (Alldrick, 1993). Faults are abundant at both local and regional scales in the Stewart area. Alldrick (1993) described five groups of major faults:

1. regional-scale north-striking, subvertical, ductile to brittle faults.
2. northerly-striking moderately west-dipping normal and reverse faults.
3. southeast to northeast striking brittle, subvertical “cross” faults with strong but narrow foliation envelopes and up to a kilometre of lateral offset.
4. décollement surfaces or bedding plane slips near the base of the Salmon River Formation, due to ductility contrast with underlying dacitic volcanics during folding.
5. mylonite bands at various orientations, a few metres wide at most.

The Stewart-Unuk-Iskut area hosts a wide variety of precious and base metal deposits, almost all of which have close spatial, and probably genetic, links with Early Jurassic subvolcanic magmatism (Fig. 3b). Deposit styles reflect a variety of depositional environments (MacDonald et al, 1996), including:

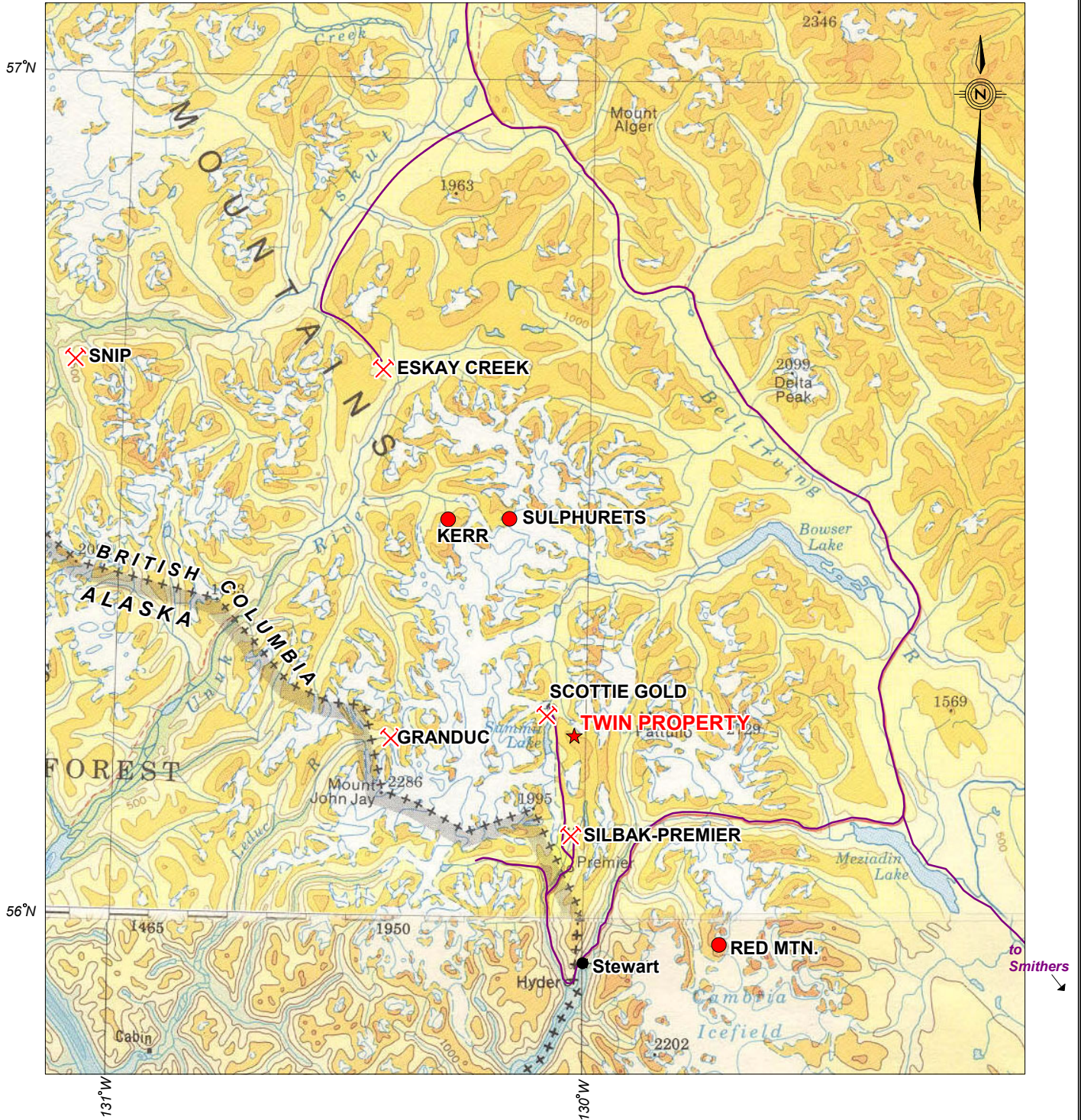
### Porphyry

**Kerr** (135 mT @ 0.76% Cu, 0.34 g/tonne Au) is hosted in Upper Triassic tuffaceous and sedimentary rocks intruded by 195-200 Ma syenodiorite, augite porphyry, hornblende porphyry and potassium feldspar megacrystic, hornblende-plagioclase porphyry dykes and stocks. The strongest copper mineralization is associated with a core of chlorite-magnetite and chlorite-pyrite alteration with quartz stockwork, flanked by chlorite-sericite-pyrite and sericite-quartz-pyrite zones (Ditson et al, 1995).

**Red Bluff** (102 mT @ 0.15% Cu, 0.72 g/tonne Au) is hosted by quartz stockwork in sericite-quartz±Kspar±biotite altered, 195 Ma potassium feldspar megacrystic plagioclase porphyry (Rhys, 1995).

### Veins



**Silbak Premier** (past producer)(5.3 mT @ 10.9 g/tonne Au, 233 g/tonne Ag) comprises high- and low-sulphide breccias and veins, locally with low-sulphidation epithermal textures, in the Upper Andesite Member of the Unuk River Formation. Premier Porphyry potassium feldspar megacrystic

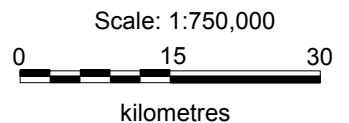



**Mineral Deposits**

<b>Kerr -</b>	135 Mt @ 0.76% Cu, 0.34 g/t Au
<b>Sulphurets -</b>	0.75 Mt @ 15.4 g/t Au, 648 g/t Ag
<b>Scottie Gold -</b>	198,000 t @ 16.5 g/t Au
<b>Granduc -</b>	15.6 Mt @ 1.22% Cu
<b>Snip -</b>	1.3 Mt @ 24.5 g/t Au
<b>Eskay Creek. -</b>	2.7 Mt @ 47 g/t Au, 2135 g/t Ag
<b>Silbak-Premier -</b>	5.3 Mt @ 10.9 g/t Au, 233 g/t Ag
<b>Red Mountain -</b>	2.5 Mt @ 12.8 g/t Au

**SYMBOLS**

-  Present/past producer
-  Undeveloped deposit



<b>SERENGETI RESOURCES INC</b>		
<b>TWIN PROPERTY</b>		
<b>REGIONAL MINERAL DEPOSITS</b>		
	Date: JUNE 2005 U.T.M. Zone: UTM 9 - NAD83 N.T.S.: 104B/1,2	Scale: 1:750,000 Mining District: SKEENA State/Province: BC
		Figure <b>3b</b>

plagioclase-hornblende dykes (195 Ma) are spatially associated with most ore zones (Alldrick, 1993).

**Snip** (1.3 mT @ 24.5 g/tonne Au) is a shear vein system within Triassic clastics, 300 metres above and genetically related to the 195 Ma Red Bluff potassium feldspar megacrystic plagioclase porphyry (Rhys, 1995).

**Red Mountain** (2.5 mT @ 12.8 g/tonne Au, 38.1 g/tonne Ag) consists of three semi-tabular 5-29 metre thick zones of pyrite-pyrrhotite stockworking in intensely sericitized sedimentary rocks. They lie within 100 metres of the 197 Ma Goldslide feldspar-hornblende-biotite-quartz porphyry, which is thought to be the mineralizing intrusion (Rhys et al, 1995).

**Brucejack/Sulphurets** (749,000 tonnes @ 15.4 g/tonne Au, 648 g/tonne Ag) comprises low-sulphidation epithermal veins in Hazelton Group andesitic volcanoclastics and clastics cut by 193 Ma hornblende-plagioclase porphyry and potassium feldspar megacrystic plagioclase stocks (Margolis and Britten, 1995).

**Scottie Gold** (198,000 tonnes @ 16.5 g/tonne Au), located 1,200 metres west of the Twin property, comprises massive pyrrhotite veins within shear or fracture zones trending 310°/75° NE in andesitic volcanoclastics and epiclastics of the Middle Andesite Member of the Unuk River Formation, intruded by the 193 Ma Summit Lake Stock (Alldrick, 1993).

### **Volcanogenic Massive Sulphides**

**Eskay Creek** (2.7 mT @ 47 g/tonne Au, 2135 g/tonne Ag) comprises lenses of clastic massive sulphide/sulphosalt in mudstone on the flank of a submarine rhyolitic flow-dome emplaced near the base of the Salmon River Formation at about 180 Ma. Eskay Creek is considered to be the product of a low-sulphidation epithermal system venting to the sea-floor in a shallow marine setting.

## **6.0 PROPERTY GEOLOGY**

No mapping was carried out on the Twin property in 2004. Alldrick's (1993) mapping shows a homoclinal sequence of Hazelton Group volcanic and sedimentary rocks, trending northerly and dipping steeply to the east. Upsection and easterly, these consist of the Upper Siltstone (Unit 1d) and Upper Andesite (Unit 1e) members of the Unuk River Formation, hematitic clastics (Unit 2a) and intermediate tuffs and flows (Unit 2b) of the Betty Creek Formation, felsic tuffs (Unit 3) of the Mt. Dilworth Formation and clastic rocks (Unit 4b) of the Salmon River Formation.

## **7.0 GEOCHEMISTRY**

### **7.1 Silt Geochemistry**

In July 2004, 16 silt samples were collected from the two creeks draining the western side of the Twin property and another 3 (231208, 231235 and 231226; not shown on map) from the three major drainages immediately to the south. Results are presented below in Table 7.1.1, with percentile levels derived from 698 silt samples across the entire 104B mapsheet for comparison (GSC, 1988), and shown on Figures 4-6.

**Table 7.1.1 Twin Silt Geochemistry**

Sample	Au (ppm)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
231201	0.073	0.4	86	140	29	7	195
231202	0.017	0.4	72	77	52	4	163
231203	0.011	0.3	65	81	18	5	156
231204	0.009	0.3	52	82	31	5	137
231205	0.012	0.4	74	99	22	5	150
231206	0.006	0.2	52	92	20	5	166
231207	0.021	0.3	49	87	21	7	160
231208	0.014	0.6	26	173	30	2	161
231226	0.013	0.3	44	65	18	3	118
231227	0.010	0.5	80	154	28	6	194
231228	<0.005	0.5	34	75	25	2	76
231229	<0.005	0.6	56	40	12	2	39
231230	0.005	0.2	43	104	20	6	194
231231	0.008	0.3	52	58	19	3	114
231232	<0.005	0.3	29	50	15	3	157
231233	0.012	<0.2	10	64	15	2	132
231234	0.166	0.2	16	58	15	2	131
231235	<0.005	0.4	23	55	17	2	174
80 <sup>th</sup> %ile	0.022	0.4	26	86	16	1.4	168
90 <sup>th</sup> %ile	0.058	0.6	45	117	28	3.5	220
95 <sup>th</sup> %ile	0.168	1.0	78	169	48	5.0	328

One sample (231201) is anomalous (>80<sup>th</sup> percentile) in all seven elements of interest and several others are anomalous in four or more elements. Sample 231201 drains Trojan Horse Ridge, where multi-element mineralization is known. The other gold-anomalous sample (231234) was taken from a tributary to the southern creek, in an area where no mineralization has been identified; with the exception of antimony, it is not accompanied by other anomalous elements. Arsenic and antimony are elevated in most silt samples, although the high antimony values probably reflect imprecision near its detection level. The three samples which were not anomalous in arsenic were all taken from south of the property or from the southernmost drainage sampled on the Twin property; most of the rest exceeded the 90<sup>th</sup> percentile for arsenic.

## 7.2 Soil Geochemistry

In October, a line of 13 contour soil samples were taken at 25-metre intervals near the 1050 metre elevation along the eastern side of Trojan Horse Ridge, near the western property boundary. This line was positioned downslope from where a sulphide-bearing quartz vein had returned 11.55 g/tonne Au across 1.7 metres in a July chip sample (Figures 4-6). Six of the samples exceeded 100 ppb Au (max. 447 ppb), with elevated Ag (max 4.0 ppm), As (max. 1335 ppm), Pb (max. 256 ppm) and Sb (max. 40 ppm).

### 7.3 Rock Geochemistry

A total of 17 rock samples were collected in July and August (Figures 4-6; Appendix C). Eleven of the 17 samples contained >100 ppb Au, accompanied by elevated Ag, As, Cu, Pb, Sb and Zn; all were taken from a 150 x 800 metre, northerly-trending area on Trojan Horse Ridge, site of the Rainbow Showing (Minfile 104B-075). Sample 279980 (11.65 g/tonne Au and 141 g/tonne Ag) was a 3.0 metre chip sample across a 0.6 metre quartz vein and its wallrocks in an old trench. Sample 273952 (11.55 g/t Au) was a 1.7 metre chip sample across the same vein, which trends east-west and is subvertical, a few metres uphill to the west.

**Table 7.2.1 Twin Rock Geochemistry**

Sample	Au (ppm)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
273694	0.018	0.7	110	12	72	10	16
273695	0.134	0.5	629	13	7	15	22
273696	0.714	5.6	2000	21	20	39	5
273697	0.033	0.5	46	44	80	15	110
273698	0.586	4.6	1135	5	16	27	4
273699	0.158	3.2	510	7	19	21	30
273700	0.115	1.0	472	43	8	6	38
273948	<0.005	<0.2	15	93	10	<2	82
273949	<0.005	0.2	10	278	12	<2	128
273950	0.443	6.4	1335	114	112	32	76
273951	0.338	2.0	1280	20	19	26	16
273952	11.550	93.7	4340	153	8440	133	2020
273953	<0.005	0.4	37	91	16	2	172
273976	0.174	4.8	808	33	177	28	83
279980	11.650	141.0	2420	213	1.22%	142	5990
279981	0.15	2.8	188	38	220	6	227
279982	0.046	0.9	6	8	28	3	108
279983	0.018	0.5	2	5	7	2	5

### 8.0 DISCUSSION AND CONCLUSIONS

Limited geochemical sampling was carried out on the Twin property in 2004. Rock sampling indicated elevated gold values over a 150 x 800 metre, northerly-trending area on Trojan Horse Ridge which had received some previous trenching (Rainbow Showing; Minfile 104B-075). Chip sampling returned up to 11.65 g/tonne Au across three metres from an old trench, cutting a 0.6 metre quartz vein and its wallrocks. Soil samples taken downslope of mineralization returned generally elevated values for Au, Ag, As, Pb and Sb, all of which are present in the Trojan Horse mineralization. Two silt samples were anomalous in gold; one drains the Trojan Horse mineralization but the other drains an area for which no mineralization has yet been found.

Respectfully submitted,

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Henry Awmack, P.Eng.

Vancouver, British Columbia  
June 6, 2005

## **Appendix A: Bibliography**

## BIBLIOGRAPHY

- Alldrick, D.J. (1987): Geology and Mineral Deposits of the Salmon River Valley, Stewart Area (1:50,000 map); British Columbia Geological Survey Open File 1987-22.
- Alldrick, D.J. and Britton, J.M. (1991): Sulphurets Area Geology (1:20,000 maps); British Columbia Geological Survey Open File 1991-21.
- Alldrick, D.J. (1993): Geology and Metallogeny of the Stewart Mining Camp, Northwestern British Columbia; British Columbia Geological Survey Bulletin 85, 105 p.
- Geological Survey of Canada (1988): National Geochemical Reconnaissance, 1:250,000 Map Series, Iskut River, British Columbia (NTS 104B); GSC Open File 1645.
- MacDonald, A.J., Lewis, P.D., Thompson, J.F.H., Nadaraju, G., Bartsch, R.D., Bridge, D.J., Rhys, D.A., Roth, T., Kaip, A., Godwin, C.I. and Sinclair, A.J. (1996): Metallogeny of an Early to Middle Jurassic Arc, Iskut River Area, Northwestern British Columbia; Economic Geology, p. 1098-1114.
- Margolis, J. and Britten, R.M. (1995): Porphyry-style and epithermal copper-molybdenum-gold-silver mineralization in the northern and southeastern Sulphurets district, northwestern British Columbia *in* Porphyry Deposits of the Northwestern Cordillera of North America; CIM Special Volume 46, p. 499-508.
- Rhys, D.A. (1995): The Red Bluff gold-copper porphyry and associated precious and base metal veins, northwestern British Columbia *in* Porphyry Deposits of the Northwestern Cordillera of North America; CIM Special Volume 46, p. 838-850.
- Rhys, D.A., Sieb, M., Frostad, S.R., Swanson, C.L., Prefontaine, M.A., Mortensen, J.K. and Smit, H.Q. (1995): Geology and setting of the Red Mountain gold-silver deposits, northwestern British Columbia *in* Porphyry Deposits of the Northwestern Cordillera of North America; CIM Special Volume 46, p. 811-828.



**Appendix B: Statement Of Expenditures**

**STATEMENT OF EXPENDITURES**  
**Twin 1-2 Claims**  
**July 22 and October 1, 2004**

**PROFESSIONAL FEES AND WAGES:**

Scott Heffernan, Project Geologist			
2.01 days @ \$520/day	\$	1,045.20	
Tom Bell, Prospector			
2.00 days @ \$360/day		720.00	
Will Lepore, Sampler			
1.00 days @ \$250/day		250.00	
Nick Van Orden, Sampler			
1.00 days @ \$250/day		250.00	
Scott Parker, Logistics/Drafting			
7.50 hours @ \$50/hour		375.00	
Clerical			
4.50 hours @ \$25/hour		112.50	
		<u>112.50</u>	\$ 2,752.70

**EQUIPMENT RENTALS**

Crewcab			
1 days @ \$80/day	\$	80.00	
Rental truck insurance			
1 days @ \$10/day		10.00	
Field Computers			
1 days @ \$15/day		15.00	
		<u>15.00</u>	105.00

**EXPENSES:**

Chemical Analyses	\$	912.98	
Materials and Supplies		18.00	
Plot Charges		27.30	
Printing and Reproductions		15.20	
Meals		105.47	
Accommodation		235.44	
Telephone Distance Charges		6.50	
Freight		51.71	
Expediting		139.40	
Report (estimated)		2,000.00	
		<u>2,000.00</u>	\$ 3,512.00

**SUB-TOTAL:**

\$ 6,369.70

**PROJECT SUPERVISION CHARGES:**

12% on sub-total: (\$6,369.70) 764.36

**SUB-TOTAL:**

\$ 7,134.06

**GST: 7% on sub-total**

499.39

**TOTAL:**

\$ 7,633.45

## **Appendix C: Rock Sample Descriptions**

### **MINERALS AND ALTERATION TYPES**

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

### **ALTERATION INTENSITY**

m	moderate	m	moderate	w	weak
s	strong	s	strong		

# Rock Sample Descriptions

**Project Name:** Twin

**Project:** SIR04-02

**NTS:** 104B/8E

Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sCL, sQZ	<u>Au (ppb)</u>	<u>Ag (ppm)</u>	<u>Al (%)</u>	<u>Cu (ppm)</u>		
<b>273694</b>	UTM 6229854	N	UTM 433941	E	Strike Length Exp:	10 m	Metallics:	2-3% PY	18	0.7	0.3	12		
<b>Twin</b>	Elevation	m	Sample Width:	20	cm	True Width:	20	cm	Secondaries:	wGE ,wJA	<u>Mo (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
					Host :	Sediments			2	72	10	16		
Sampled By:	TB 21-Jul-02 Sampled sheared QZ vein.													
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sMS, sQZ	<u>Au (ppb)</u>	<u>Ag (ppm)</u>	<u>Al (%)</u>	<u>Cu (ppm)</u>		
<b>273695</b>	UTM 6229895	N	UTM 433912	E	Strike Length Exp:	20 m	Metallics:	3-4% PY	134	0.5	0.25	13		
<b>Twin</b>	Elevation	m	Sample Width:	3	m	True Width:	3	m	Secondaries:	mGE, mJA	<u>Mo (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
					Host :	Volcanics			5	7	15	22		
Sampled By:	TB 21-Jul-04 Grab sample taken across shear zone.													
Sample Number:	Grid North:	N	Grid East:	E	Type:		Alteration:	sMS, sQZ	<u>Au (ppb)</u>	<u>Ag (ppm)</u>	<u>Al (%)</u>	<u>Cu (ppm)</u>		
<b>273696</b>	UTM 6230078	N	UTM 433893	E	Strike Length Exp:		Metallics:	3-5% PY	714	5.6	0.22	21		
<b>Twin</b>	Elevation	m	Sample Width:	0	cm	True Width:		cm	Secondaries:	sGE, sJA, sMN	<u>Mo (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
					Host :	Breccia			6	20	39	5		
Sampled By:	TB 21-Jul-04 Grab sample taken across sheared QZ zone.													
Sample Number:	Grid North:	N	Grid East:	E	Type:	Chip	Alteration:	sMS, sQZ	<u>Au (ppb)</u>	<u>Ag (ppm)</u>	<u>Al (%)</u>	<u>Cu (ppm)</u>		
<b>273697</b>	UTM 6230333	N	UTM 433848	E	Strike Length Exp:	10 m	Metallics:	3-5% PY	33	0.5	1.08	44		
<b>Twin</b>	Elevation	m	Sample Width:	90	cm	True Width:	90	cm	Secondaries:	sGE, sJA, sMN	<u>Mo (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
					Host :	Breccia			4	80	15	110		
Sampled By:	TB 21-Jul-04 Chip sample across vein at main showing.													
Sample Number:	Grid North:	N	Grid East:	E	Type:	Chip	Alteration:	sQZ, sSI	<u>Au (ppb)</u>	<u>Ag (ppm)</u>	<u>Al (%)</u>	<u>Cu (ppm)</u>		
<b>273698</b>	UTM 6230384	N	UTM 433886	E	Strike Length Exp:	50 m	Metallics:	3-5% PY	586	4.6	0.15	5		
<b>Twin</b>	Elevation	m	Sample Width:	2	m	True Width:	4	m	Secondaries:	sGE, sJA, sMN	<u>Mo (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
					Host :	Breccia			2	16	27	4		
Sampled By:	TB 21-Jul-04 Chip sample taken half way across north-south QZ zone at main showing. Sample from west side of vein.													
Sample Number:	Grid North:	N	Grid East:	E	Type:	Chip	Alteration:	sQZ, sSI	<u>Au (ppb)</u>	<u>Ag (ppm)</u>	<u>Al (%)</u>	<u>Cu (ppm)</u>		
<b>273699</b>	UTM 6230383	N	UTM 433886	E	Strike Length Exp:	50 m	Metallics:	3-5% PY	158	3.2	0.17	7		
<b>Twin</b>	Elevation	m	Sample Width:	2	m	True Width:	4	m	Secondaries:	sGE, sJA, sMN	<u>Mo (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
					Host :	Breccia			2	19	21	30		
Sampled By:	TB 21-Jul-04 Chip sample taken across east side of main north-south vein.													

# Rock Sample Descriptions

**Project Name:** Twin

**Project:** SIR04-02

**NTS:** 104B/8E

Sample Number:	Grid North:	N	Grid East:	E	Type:	Alteration:	<u>Au (ppb)</u>	<u>Ag (ppm)</u>	<u>Al (%)</u>	<u>Cu (ppm)</u>
<b>273700</b> <b>Twin</b>	UTM 6230485	N	UTM 433892	E	Strike Length Exp:	Metallics: 2-3% PY	115	1	1.16	43
	Elevation	m	Sample Width: 1.5	m	True Width: 1.5	Secondaries: >1% CP, 2-3% GL, 3-5%	<u>Mo (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
	Host : Breccia						<1	8	6	38
Sampled By: TB 21-Jul-04	Chip sample across QZ shear zone.									
<b>273948</b> <b>Twin</b>	UTM 6231156	N	UTM 433762	E	Strike Length Exp: 3 m	Metallics: tr CP, 1-2% PO	<5	<0.2	3.86	93
	Elevation 933	m	Sample Width: 1	m	True Width: cm	Secondaries:	<u>Mo (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
	Vein 028°/62° Host : Grey green andesite						1	10	<2	82
Sampled By: SH 21-Jul-04	Weakly sheared grey-green AND adjacent to 30 cm QZ vein (w/ wCL); trace to 2% PO as disseminations and on fractures. Chipped ~1m away from margin of vein. Foliation in AND = 000/39.									
<b>273949</b> <b>Twin</b>	UTM 6231160	N	UTM 433831	E	Strike Length Exp: 12 m	Metallics: 2% PO	<5	0.2	5.83	278
	Elevation 950	m	Sample Width: 20	cm	True Width: cm	Secondaries:	<u>Mo (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
	Vein 322°/90° Host : Sheared andesite						5	12	<2	128
Sampled By: SH 21-Jul-04	Same style of mineralization as previous - different vein. QZ vein and foliation are parallel (322/90).									
<b>273950</b> <b>Twin</b>	UTM 6230535	N	UTM 433845	E	Strike Length Exp: 3 m	Metallics: 2% PY	443	6.4	0.42	114
	Elevation 1116	m	Sample Width: 50	cm	True Width: cm	Secondaries: sGE, wJA	<u>Mo (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
	Vein 096°/90° Host : Pyroxene porphyritic breccia/flow						1	112	32	76
Sampled By: SH 21-Jul-04	Chipped across 50 cm of old trench/pit. Gossanous E-W shear w/ PY to several % as disseminations and or fractures. No PO present.									
<b>273951</b> <b>Twin</b>	UTM 6230484	N	UTM 433868	E	Strike Length Exp:	Metallics: PY	338	2	0.33	20
	Elevation 1222	m	Sample Width: 3	m	True Width: 2.5	Secondaries:	<u>Mo (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
	Host : Silicified sheared volcanic						<1	19	26	16
Sampled By: SH 21-Jul-04	Small trench. 5-7% PY. Strong silicification.									
<b>273952</b> <b>Twin</b>	UTM 6230478	N	UTM 433931	E	Strike Length Exp: 50 m	Metallics: >1% CP, 2-3% GL, 3-5%	11.55 g/t	93.7	0.31	153
	Elevation	m	Sample Width: 1.7	m	True Width: 1.7	Secondaries:	<u>Mo (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
	Vein 060°/90° Host : Breccia						2	8440	133	2020
Sampled By: TB 21-Jul-04	Same vein as sample 273700.									

# Rock Sample Descriptions

**Project Name:** Twin

**Project:** SIR04-02

**NTS:** 104B/8E

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration:	<u>Au (ppb)</u>	<u>Ag (ppm)</u>	<u>Al (%)</u>	<u>Cu (ppm)</u>
<b>273976</b>	UTM 6230692	N	UTM 433787	E	Strike Length Exp: 50 m	Metallics: 5% PY	174	4.8	0.55	33
<b>Twin</b>	Elevation 1101	m	Sample Width: 0	cm	True Width: cm	Secondaries: sGE, wJA	<u>Mo (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
			098°/90°		Host: Sheared andesite		1	177	28	83
Sampled By: SH	Composite chips across 3 areas of gossanous E-W shearing. Shear zone is exposed sporadically over 50 m on W-facing slope.									
21-Jul-04										
Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sCL, sSI	<u>Au (ppb)</u>	<u>Ag (ppm)</u>	<u>Al (%)</u>	<u>Cu (ppm)</u>
<b>279980</b>	UTM 6230478	N	UTM 433948	E	Strike Length Exp: 20 m	Metallics: 2-3% GL, 3-5% PY, 5-7%	11.65 g/t	141 g/t	0.91	213
<b>Twin</b>	Elevation	m	Sample Width: 3	m	True Width: 3 m	Secondaries: sGE, sJA, sMN	<u>Mo (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
			Vein 270°/90°		Host: Volcanics		3	1.22 %	142	5990
Sampled By: TB	Chip sample across trench below sample 273952 (taken this summer). Sampled 60 cm wide QZ vein plus wall rock on both sides.									
01-Oct-04										
Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sCL	<u>Au (ppb)</u>	<u>Ag (ppm)</u>	<u>Al (%)</u>	<u>Cu (ppm)</u>
<b>279981</b>	UTM 6230476	N	UTM 433954	E	Strike Length Exp: 20 m	Metallics: 2-5% PY	150	2.8	1.9	38
<b>Twin</b>	Elevation	m	Sample Width: 5	m	True Width: 5 m	Secondaries: sGE, sJA	<u>Mo (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
					Host: Volcanics		1	220	6	227
Sampled By: TB	Chip sample across trench 10 m below sample 279980. QZ vein appears to pinch out between the two trenches.									
01-Oct-04										
Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mCL	<u>Au (ppb)</u>	<u>Ag (ppm)</u>	<u>Al (%)</u>	<u>Cu (ppm)</u>
<b>279982</b>	UTM 6229404	N	UTM 434251	E	Strike Length Exp: 2 m	Metallics: 3-5% PY	46	0.9	2.55	8
<b>Twin</b>	Elevation	m	Sample Width: 10	cm	True Width: 1 m	Secondaries: mGE ,mJA, wMN	<u>Mo (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
					Host: volcanics		<1	28	3	108
Sampled By: TB	1 m wide alteration zone on creek bank with coarse PY.									
01-Oct-04										
Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration:	<u>Au (ppb)</u>	<u>Ag (ppm)</u>	<u>Al (%)</u>	<u>Cu (ppm)</u>
<b>279983</b>	UTM 6229457	N	UTM 434329	E	Strike Length Exp:	Metallics:	18	0.5	0.29	5
<b>Twin</b>	Elevation	m	Sample Width: 0	cm	True Width: cm	Secondaries:	<u>Mo (ppm)</u>	<u>Pb (ppm)</u>	<u>Sb (ppm)</u>	<u>Zn (ppm)</u>
					Host: Quartz		<1	7	2	5
Sampled By: TB	Sample of QZ float in creek bed. No sulfides seen.									

**Appendix D: Analytical Certificates**





VA04048313 - Finalized  
 CLIENT : "EIA - Equity Engineering Ltd."  
 # of SAMPLES : 10  
 DATE RECEIVED : 2004-07-26  
 PROJECT : "SIR04-02"  
 CERTIFICATE COMMENTS : ""  
 PO NUMBER : ""

SAMPLE DESCRIPTION	Au-AA23		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		ME-ICP41		ME-ICP41		ME-ICP41		ME-ICP41		ME-ICP41		ME-ICP41		ME-ICP41	
	Au	Au Check	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Ti	U	V	W	Zn	Zn	Zn	Zn	Zn	Zn	Zn		
M231201	0.073		0.4	2.15	86	<10	120	0.7	<2	0.64	1.9	35	55	140	5.35	<10	1	0.06	10	1.13	1790	3	<0.01	99	1580	29	0.13	7	4	57	0.02	<10	<10	47	<10	195								
M231202	0.017		0.4	2.09	72	<10	90	0.6	<2	0.51	1.5	28	42	77	5.11	<10	<1	0.04	10	1.06	1760	4	<0.01	82	1260	52	0.07	4	3	38	0.02	<10	<10	42	<10	163								
M231203	0.011		0.3	2.1	65	<10	80	0.8	<2	0.44	1.2	23	58	81	4.93	10	1	0.07	10	1.21	1215	2	<0.01	87	1340	18	0.06	5	3	37	0.03	<10	<10	46	<10	156								
M231204	0.009		0.3	1.9	52	<10	90	0.6	<2	0.64	0.9	23	62	82	4.35	<10	1	0.09	10	1.03	1995	2	<0.01	101	1660	31	0.11	5	4	62	0.01	<10	<10	37	<10	137								
M231205	0.012		0.4	2.11	74	<10	140	0.7	<2	0.46	1.2	34	64	99	5.27	<10	<1	0.07	10	1.09	1815	2	<0.01	125	1560	22	0.1	5	5	45	0.02	<10	<10	43	<10	150								
M231206	0.006		0.2	2.21	52	<10	70	0.5	<2	0.56	1.1	25	51	92	5.05	10	<1	0.06	10	1.32	1220	2	<0.01	66	1540	20	0.07	5	5	41	0.05	<10	<10	62	<10	166								
M231207	0.021		0.3	2	49	<10	90	0.6	<2	0.57	1.6	25	47	87	4.35	<10	<1	0.07	10	1	1435	2	<0.01	77	1450	21	0.1	7	3	51	0.02	<10	<10	43	<10	160								
M231208	0.014		0.6	2.84	26	<10	290	1	<2	1	0.5	24	12	173	2.74	10	1	0.05	10	0.3	2950	4	<0.01	16	1540	30	0.16	2	1	80	0.03	<10	<10	28	<10	161								
M231226	0.013		0.3	1.96	44	<10	120	<0.5	<2	0.48	0.5	22	76	65	4.32	<10	<1	0.08	10	1.09	1425	1	<0.01	80	1140	18	0.06	3	2	33	0.01	<10	<10	39	<10	115								
M231227	0.01		0.5	2.21	80	<10	160	0.7	<2	0.75	3.9	38	21	154	5.67	<10	1	0.04	10	0.77	4050	5	<0.01	53	1900	28	0.12	6	4	54	0.01	<10	<10	41	<10	194								
M231228	<0.005		0.5	2.09	34	<10	210	0.7	<2	1.6	0.8	11	18	75	2.19	<10	<1	0.04	20	0.28	1770	3	<0.01	14	1960	25	0.24	2	1	81	0.01	<10	<10	29	<10	76								
M231229	<0.005		0.6	2	56	<10	350	0.5	<2	2.23	0.5	7	16	40	1.89	10	1	0.05	20	0.35	1190	4	<0.01	10	2040	12	0.26	2	1	156	0.01	<10	<10	35	<10	39								
M231230	0.005		0.2	2.33	43	<10	100	0.5	<2	0.3	1.9	31	75	104	5.54	<10	<1	0.05	10	1.63	1365	3	<0.01	127	1380	20	0.07	6	4	28	0.01	<10	<10	51	<10	194								
M231231	0.008		0.3	2.35	52	<10	180	0.6	<2	0.51	0.6	23	33	58	4.29	10	<1	0.05	10	0.94	1885	6	0.01	44	1280	19	0.09	3	2	54	0.03	<10	<10	59	<10	114								
M231232	<0.005		0.3	1.94	29	<10	70	0.5	<2	0.52	1.5	13	38	50	3.91	10	<1	0.04	10	0.86	860	5	<0.01	53	1140	15	0.05	3	1	48	0.01	<10	<10	40	<10	157								
M231233	0.012		<0.2	2.79	10	<10	220	0.7	<2	0.6	<0.5	17	12	64	4.53	10	1	0.05	10	0.9	1990	1	<0.01	14	1560	15	0.06	2	2	44	0.04	<10	<10	50	<10	132								
M231234	0.166	0.06	0.2	2.89	16	<10	240	1	<2	0.48	<0.5	16	14	58	4.31	10	1	0.06	10	0.74	2540	1	<0.01	17	1580	15	0.05	2	2	35	0.05	<10	<10	52	<10	131								
M231235	<0.005	0.019	0.4	2.01	23	<10	90	0.7	<2	0.31	0.5	25	53	55	5.01	<10	<1	0.04	10	1	959	2	<0.01	101	1220	17	0.1	2	5	51	0.02	<10	<10	39	<10	174								
M273953	<0.005		0.4	2.05	37	<10	110	0.7	<2	0.29	0.7	29	45	91	5.72	<10	1	0.05	10	0.94	1175	3	<0.01	95	1310	16	0.05	2	5	32	0.03	<10	<10	45	<10	172								

VA04048479 - Finalized  
 CLIENT : "EIA - Equity Engineering Ltd."  
 # of SAMPLES : 1  
 DATE RECEIVED : 2004-08-03  
 PROJECT : "SIR04-02"  
 CERTIFICATE COMMENTS : ""  
 PO NUMBER : " "

SAMPLE DESCRIPTION	Au-SCR21 Au Total (+)(-) Combined ppm	Au-SCR21 Au (+) Fraction ppm	Au-SCR21 Au (-) Fraction ppm	Au-SCR21 Au (+) mg mg	Au-SCR21 WT. + Frac Entire g	Au-SCR21 WT. - Frac Entire g	Au-AA25 Au ppm	Au-AA25D Au ppm
M273952	11.55	214	9.37	2.328	10.86	1014	9.47	9.27

VA04070482 - Finalized  
 CLIENT : EIA - Equity Engineering Ltd.  
 # of SAMPLES : 13  
 DATE RECEIVED : 2004-10-12 DATE FINALIZED : 2004-10-20  
 PROJECT : "SIR04-02"  
 CERTIFICATE COMMENTS : ""  
 PO NUMBER : ""

SAMPLE	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
DESCRIPTION	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	
CL-1050-0+00N	0.01	0.3	2.8	51	<10	70	<0.5	<2	0.35	<0.5	56	32	89	9.29	<10	<1	0.05	10	1.62	2920	2	<0.01	13	1705	8	0.09	11	9	17	0.08	<10	<10	112	<10	100
CL-1050-0+25N	0.02	1.2	3.11	126	<10	60	<0.5	<2	0.39	<0.5	60	40	80	10.4	<10	<1	0.06	<10	1.82	2900	1	<0.01	15	2470	9	0.15	17	11	17	0.11	<10	<10	188	<10	114
CL-1050-0+50N	<0.005	0.5	2.57	94	<10	120	<0.5	<2	0.65	<0.5	144	31	151	11.5	<10	<1	0.06	10	1.26	4250	1	<0.01	18	4140	12	0.16	22	5	40	0.05	10	<10	123	<10	124
CL-1050-0+75N	0.185	4	1.61	690	<10	80	<0.5	<2	0.44	<0.5	28	12	121	8.03	<10	<1	0.06	10	1.08	1590	2	<0.01	15	1420	14	0.04	23	6	29	0.01	<10	<10	40	<10	96
CL-1050-1+00N	0.175	2.5	2.42	560	<10	70	<0.5	<2	0.44	0.9	36	22	135	8.69	10	<1	0.07	10	1.52	1420	3	<0.01	15	1660	19	0.19	19	11	24	0.04	<10	<10	126	<10	230
CL-1050-1+25N	0.156	2.9	2.22	331	<10	60	<0.5	<2	0.05	<0.5	43	14	133	9.4	<10	<1	0.06	<10	0.84	2400	2	<0.01	11	1980	20	0.04	17	4	4	0.02	<10	<10	81	<10	95
CL-1050-1+50N	0.155	2.3	2.56	552	<10	70	0.5	<2	0.29	<0.5	52	22	111	8.95	<10	1	0.07	10	1.02	2830	3	<0.01	12	2810	20	0.07	18	4	16	0.03	<10	<10	81	<10	168
CL-1050-1+75N	0.447	1.7	2.53	1335	<10	50	<0.5	<2	0.09	<0.5	44	35	85	7.31	<10	1	0.06	10	1.18	2320	3	<0.01	40	1740	108	0.05	17	2	5	0.02	<10	<10	85	<10	171
CL-1050-2+00N	0.123	4.6	2.81	520	<10	50	<0.5	<2	0.07	<0.5	39	20	46	8.06	10	<1	0.05	<10	1.2	1850	3	<0.01	12	1370	184	0.07	12	4	4	0.1	<10	<10	97	<10	148
CL-1050-2+25N	0.016	1	2.34	128	<10	30	<0.5	<2	0.24	1.4	38	81	83	4.74	<10	<1	0.05	10	1.13	1660	3	<0.01	92	1590	14	0.03	13	4	13	0.03	<10	<10	34	<10	178
CL-1050-2+50N	0.053	2.8	2.61	259	<10	50	<0.5	<2	0.17	<0.5	41	37	97	7.56	<10	<1	0.07	<10	1.36	1915	2	<0.01	14	1890	256	0.06	9	3	8	0.06	<10	<10	80	<10	188
CL-1050-2+75N	0.015	0.6	3.01	245	<10	30	<0.5	<2	0.08	<0.5	64	66	65	7.44	<10	1	0.05	10	1.45	3110	5	<0.01	39	1000	12	0.07	11	7	4	0.25	<10	<10	76	<10	100
CL-1050-3+00N	<0.005	0.5	2.77	83	<10	110	<0.5	<2	0.96	<0.5	48	38	86	8.07	<10	<1	0.05	10	1.42	3380	1	<0.01	15	2260	6	0.1	6	6	38	0.05	<10	<10	94	<10	125

VA04070483 - Finalized  
 CLIENT : 'EIA - Equity Engineering Ltd.'

# of SAMPLES : 4  
 DATE RECEIVED : 2004-10-12 DATE FINALIZED : 2004-10-22  
 PROJECT : 'SIR04-02'

CERTIFICATE COMMENTS : ''  
 PO NUMBER : ''

SAMPLE	Au-AA23	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	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	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Pb-AA46	Au-GR22	Ag-GR22		
DESCRIPTION	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm		
279980	>10.0	>100	0.91	2420	<10	110	<0.5	<2	1.01	71.7	7	69	213	5.54	<10	3	0.33	<10	0.4	859	3	<0.01	5	1160	>10000	2.54	142	3	53	0.03	<10	<10	20	<10	5990	1.22	11.6	141
279981	0.15	2.6	1.9	188	<10	150	<0.5	<2	0.37	1.6	9	26	38	4.64	<10	<1	0.41	<10	0.79	707	1	<0.01	3	1500	220	0.1	6	3	16	0.08	<10	<10	33	<10	227			
279982	0.046	0.9	2.55	6	<10	110	<0.5	<2	0.29	<0.5	21	18	8	7.45	10	<1	0.18	10	1.18	768	<1	0.04	4	1680	28	1.24	3	6	18	<0.01	<10	<10	76	<10	108			
279983	0.018	0.5	0.29	2	<10	20	<0.5	<2	1.29	<0.5	<1	113	5	0.42	<10	<1	0.03	<10	0.02	170	<1	0.08	3	590	7	<0.01	2	2	39	0.07	<10	<10	9	<10	5			

VA04072198 - Finalized

CLIENT : "EIA - Equity Engineering Ltd."

# of SAMPLES : 1

DATE RECEIVED : 2004-10-20 DATE FINALIZED : 2004-11-02

PROJECT : "SIR04-02"

CERTIFICATE COMMENTS : ""

PO NUMBER : " "

SAMPLE DESCRIPTION	Au-SCR21 Au Total (+)(-) Combined ppm	Au-SCR21 Au (+) Fraction ppm	Au-SCR21 Au (-) Fraction ppm	Au-SCR21 Au (+) mg mg	Au-SCR21 WT. + Frac Entire g	Au-SCR21 WT. - Frac Entire g	Au-AA25 Au ppm	Au-AA25D Au ppm
279980	11.65	19.75	11.35	0.633	32.08	835.7	11.35	11.35

**Appendix E: CD-Rom**

Report text, geochemical databases, drafting and plot files

**Appendix F: Engineer's Certificate**

## ENGINEER'S CERTIFICATE

I, Henry Awmack P.Eng., am a Professional Engineer residing at 1735 Larch Street, Vancouver, British Columbia, Canada.

I am the author of the Technical Report entitled "2004 Geochemical Report on the Twin Property" and dated June 6, 2005.

I am a member in good standing (#15,709) of the Association of Professional Engineers and Geoscientists of British Columbia.

I graduated from the University of British Columbia with a Bachelor of Applied Science (Honours) degree in geological engineering (Mineral Exploration Option) in 1982, and I have practiced my profession continuously since 1982.

Since 1982 I have been involved in mineral exploration for gold, silver, copper, lead, zinc, molybdenum, cobalt, nickel and tin in Canada, Costa Rica, Panama, Chile, Argentina, Brazil, Peru, Ecuador, Venezuela, Nicaragua, Bolivia, Mexico, Indonesia, China, Sénégal and Egypt.

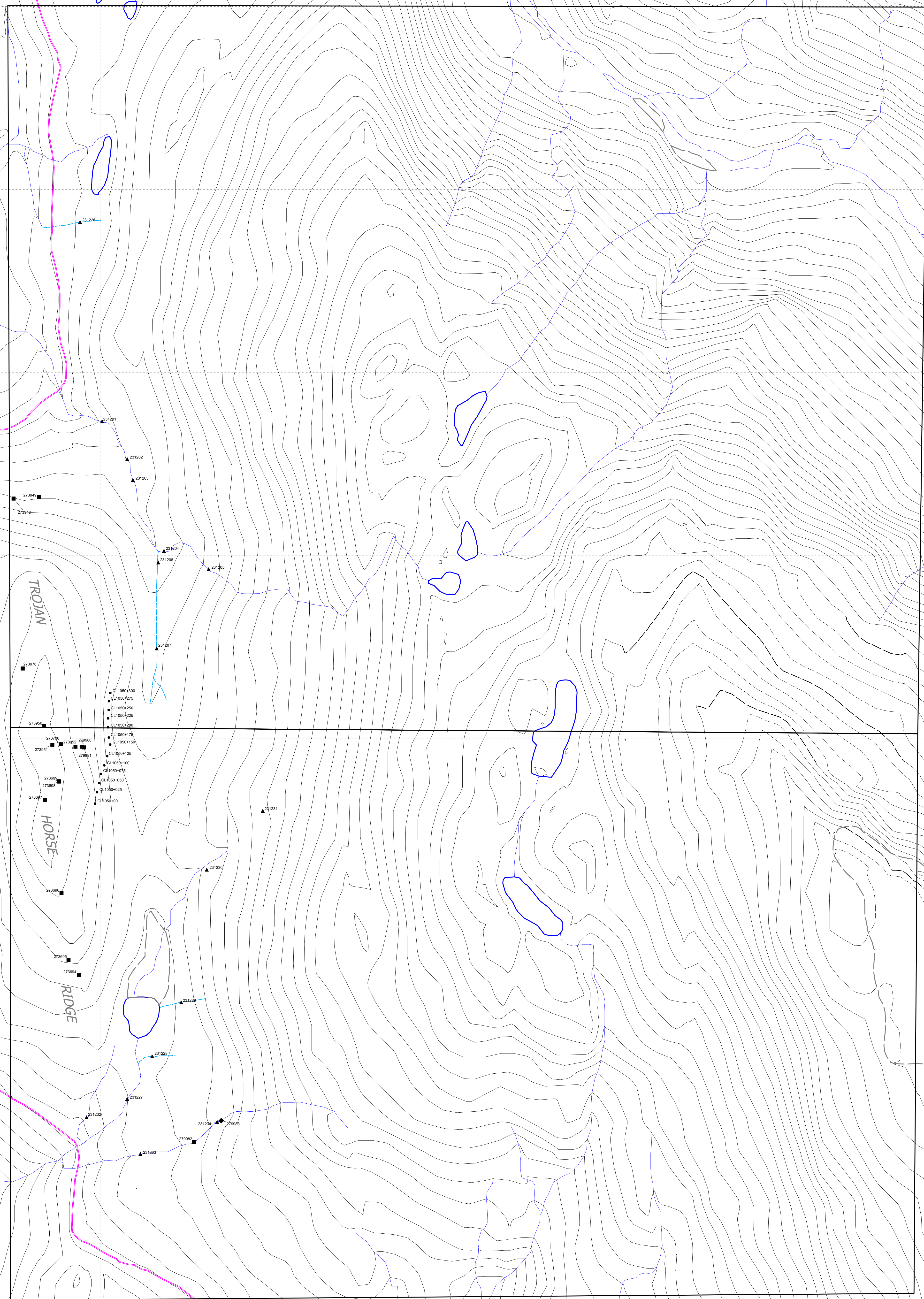
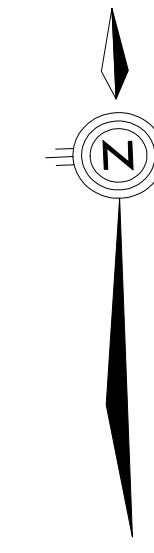
I am a Consulting Geological Engineer and principal of Equity Engineering Ltd, a geological consulting and contracting firm, and have been so since February 1987.

This report is based on work carried out by Equity Engineering Ltd. personnel in July and October, 2004. I have not examined the property in the field.

Dated at Vancouver, British Columbia, this \_\_\_\_<sup>th</sup> day of June, 2005.

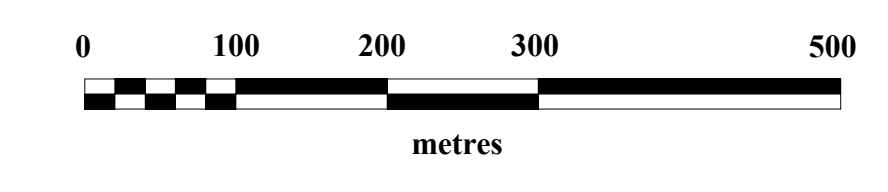
\_\_\_\_\_  
Henry J. Awmack, P.Eng.





Rock Sample Geochemistry							
SAMPLE	EastingUTM	NorthingUTM	Au_ppm	Ag_ppm	As_ppm	Cu_ppm	Zn_ppm
273694	433,841.00	6,229,854.00	0.018	0.7	110	12	72
273695	433,912.00	6,229,895.00	0.134	0.5	629	13	7
273696	433,893.00	6,230,078.00	0.714	5.6	2,000	21	20
273697	433,848.00	6,230,333.00	0.033	0.5	46	44	80
273698	433,886.00	6,230,384.00	0.586	4.6	1,135	5	16
273699	433,886.00	6,230,383.00	0.158	3.2	510	7	19
273700	433,892.00	6,230,485.00	0.115	1	472	43	8
273948	433,762.00	6,231,156.00	0.0025	0.1	15	93	10
273949	433,831.00	6,231,160.00	0.0025	0.2	10	278	12
273950	433,845.00	6,230,535.00	0.443	6.4	1,335	114	112
273951	433,868.00	6,230,484.00	0.338	2	1,280	20	19
273952	433,931.00	6,230,478.00	11.55	93.7	4,340	153	8,440
273976	433,787.00	6,230,692.00	0.174	4.8	808	33	177
279980	433,848.00	6,230,478.00	11.65	141	2,420	213	12,200
279981	433,954.00	6,230,476.00	0.15	2.8	188	38	220
279982	434,251.00	6,229,404.00	0.046	0.9	6	8	28
279983	434,329.00	6,229,457.00	0.018	0.5	2	5	7

Silt Sample Geochemistry							
SAMPLE	EastingUTM	NorthingUTM	Au_ppm	Ag_ppm	As_ppm	Cu_ppm	Zn_ppm
231201	434,006.81	6,231,368.94	0.073	0.4	86	140	29
231202	434,080.87	6,231,267.42	0.017	0.4	72	77	52
231203	434,093.07	6,231,207.09	0.011	0.3	65	81	18
231204	434,173.04	6,231,012.41	0.009	0.3	52	82	31
231205	434,301.94	6,230,968.21	0.012	0.4	74	99	22
231206	434,157.31	6,230,980.80	0.006	0.2	52	92	20
231207	434,165.51	6,230,745.52	0.021	0.3	49	87	21
231208	434,325.00	6,228,400.00	0.014	0.6	26	173	30
231226	433,943.55	6,231,910.47	0.013	0.3	44	65	18
231227	434,060.96	6,229,519.75	0.01	0.5	80	154	28
231228	434,140.38	6,229,631.76	0.0025	0.5	34	75	25
231229	434,219.67	6,229,779.65	0.0025	0.6	56	40	12
231230	434,289.78	6,230,141.80	0.005	0.2	43	104	20
231231	434,442.77	6,230,302.45	0.008	0.3	52	58	19
231232	433,937.40	6,229,484.25	0.0025	0.3	29	50	15
231233	434,108.69	6,229,380.18	0.012	0.1	10	64	15
231234	434,326.25	6,229,443.08	0.166	0.2	16	56	15
231235	434,784.00	6,228,297.00	0.0025	0.4	23	55	17

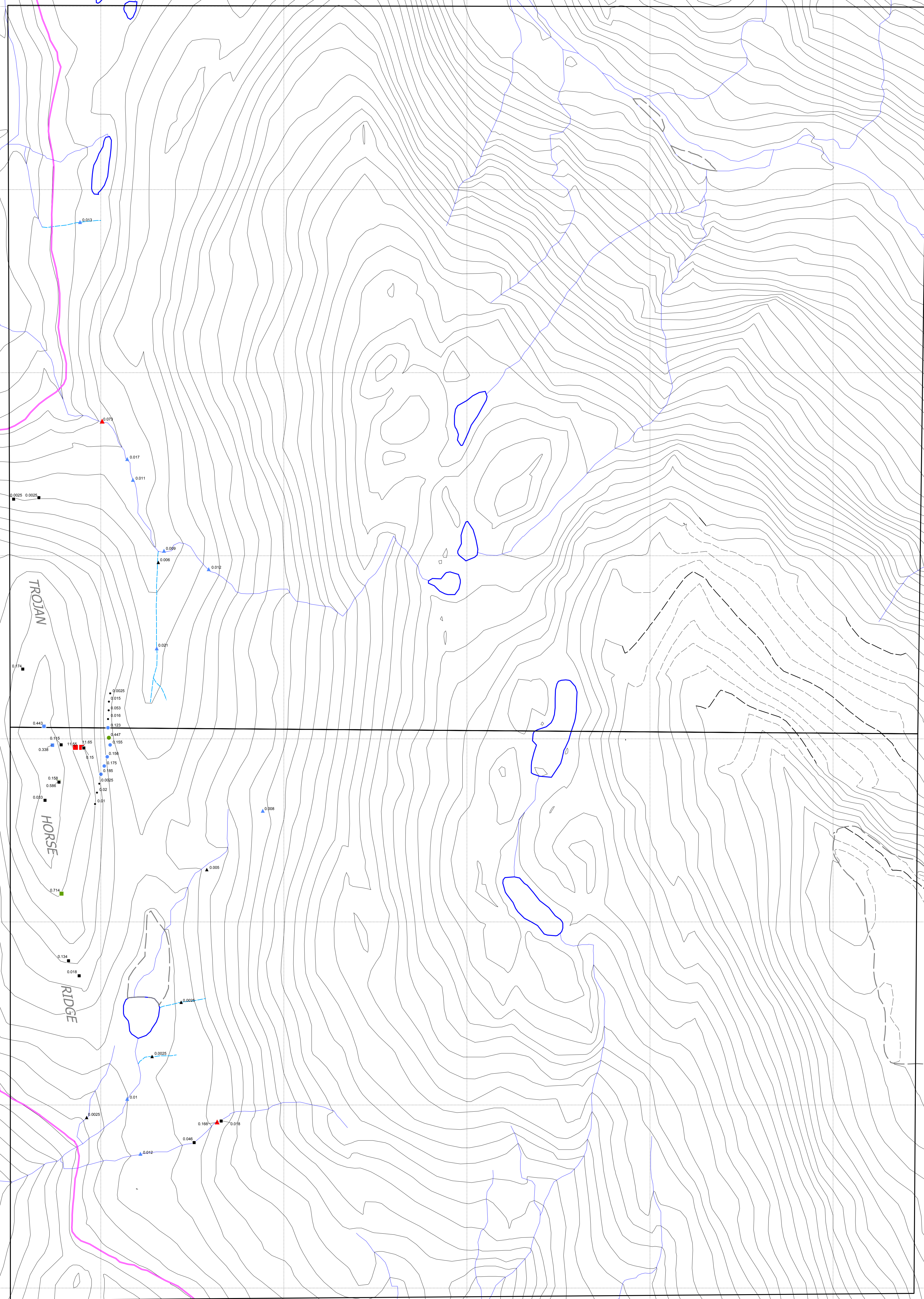
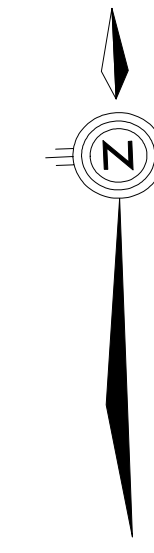


**SERENGETI RESOURCES INC.**  
**TWIN PROJECT**

**2004 Sample Locations  
of Rocks, Silts and Soils**

Date	June 20, 2005	Scale	1:5,000	Figure	
U.T.M. Zone	UTM 8 - NAD83	Mining District	SKEENA		
N.T.S.	104B/1.2	State/Province	BRITISH COLUMBIA		

**4**

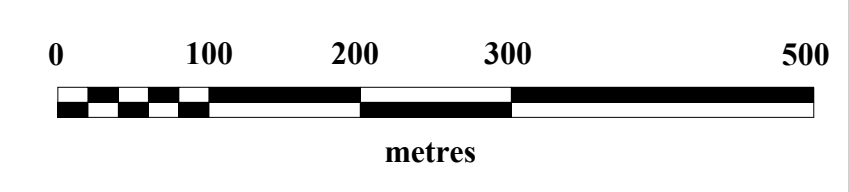


**Rock Sample Geochemistry**

SAMPLE	EastingUTM	NorthingUTM	Au_ppm	Ag_ppm	As_ppm	Cu_ppm	Pb_ppm	Zn_ppm
273684	433,841.00	6,229,854.00	0.018	0.7	110	12	72	16
273685	433,912.00	6,229,895.00	0.134	0.5	629	13	7	22
273696	433,893.00	6,230,078.00	0.714	5.6	2,000	21	20	5
273697	433,848.00	6,230,333.00	0.033	0.5	46	44	80	110
273698	433,886.00	6,230,384.00	0.586	4.6	1,135	5	16	4
273699	433,886.00	6,230,383.00	0.158	3.2	510	7	19	30
273700	433,892.00	6,230,485.00	0.115	1	472	43	8	38
273948	433,762.00	6,231,156.00	0.0025	0.1	15	93	10	82
273949	433,831.00	6,231,160.00	0.0025	0.2	10	278	12	128
273950	433,845.00	6,230,535.00	0.443	6.4	1,335	114	112	76
273951	433,868.00	6,230,484.00	0.338	2	1,280	20	19	16
273952	433,931.00	6,230,478.00	11.55	93.7	4,340	153	8,440	2,020
273976	433,787.00	6,230,692.00	0.174	4.8	808	33	177	83
279980	433,848.00	6,230,478.00	11.65	141	2,420	213	12,200	5,990
279981	433,954.00	6,230,476.00	0.15	2.8	188	38	220	227
279982	434,251.00	6,229,404.00	0.046	0.9	6	8	28	108
279983	434,329.00	6,229,457.00	0.018	0.5	2	5	7	5

**Silt Sample Geochemistry**

SAMPLE	EastingUTM	NorthingUTM	Au_ppm	Ag_ppm	As_ppm	Cu_ppm	Pb_ppm	Zn_ppm
231201	434,006.81	6,231,368.94	0.073	0.4	86	140	29	195
231202	434,080.87	6,231,267.42	0.017	0.4	72	77	52	163
231203	434,093.07	6,231,207.09	0.011	0.3	65	81	18	156
231204	434,173.04	6,231,012.41	0.009	0.3	52	82	31	137
231205	434,301.94	6,230,968.21	0.012	0.4	74	99	22	150
231206	434,157.31	6,230,980.80	0.006	0.2	52	92	20	166
231207	434,165.51	6,230,745.52	0.021	0.3	49	87	21	160
231208	434,325.00	6,228,400.00	0.014	0.6	26	173	30	161
231226	433,943.55	6,231,910.47	0.013	0.3	44	65	18	118
231227	434,060.96	6,229,519.75	0.01	0.5	80	154	28	194
231228	434,140.38	6,229,631.76	0.0025	0.5	34	75	25	76
231229	434,219.67	6,229,779.65	0.0025	0.6	56	40	12	39
231230	434,289.78	6,230,141.80	0.005	0.2	43	104	20	194
231231	434,442.77	6,230,302.45	0.008	0.3	52	58	19	114
231232	433,937.40	6,229,484.25	0.0025	0.3	29	50	15	157
231233	434,108.69	6,229,380.18	0.012	0.1	10	64	15	132
231234	434,326.25	6,229,443.08	0.166	0.2	16	56	15	131
231235	434,784.00	6,228,297.00	0.0025	0.4	23	55	17	174



**Twin Rock Geochemistry**  
Gold ppm

- 11.5 to 11.7 (2)
- 0.5 to 1 (2)
- 0.3 to 0.5 (2)
- 0 to 0.3 (15)

**Twin Silt Geochemistry**  
Gold ppm

- 0.073 to 0.166 (2)
- 0.008 to 0.073 (16)
- 0.002 to 0.008 (6)

**Twin Soil Geochemistry**  
Gold ppm

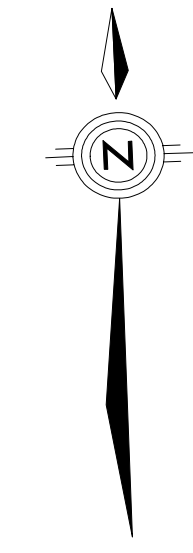
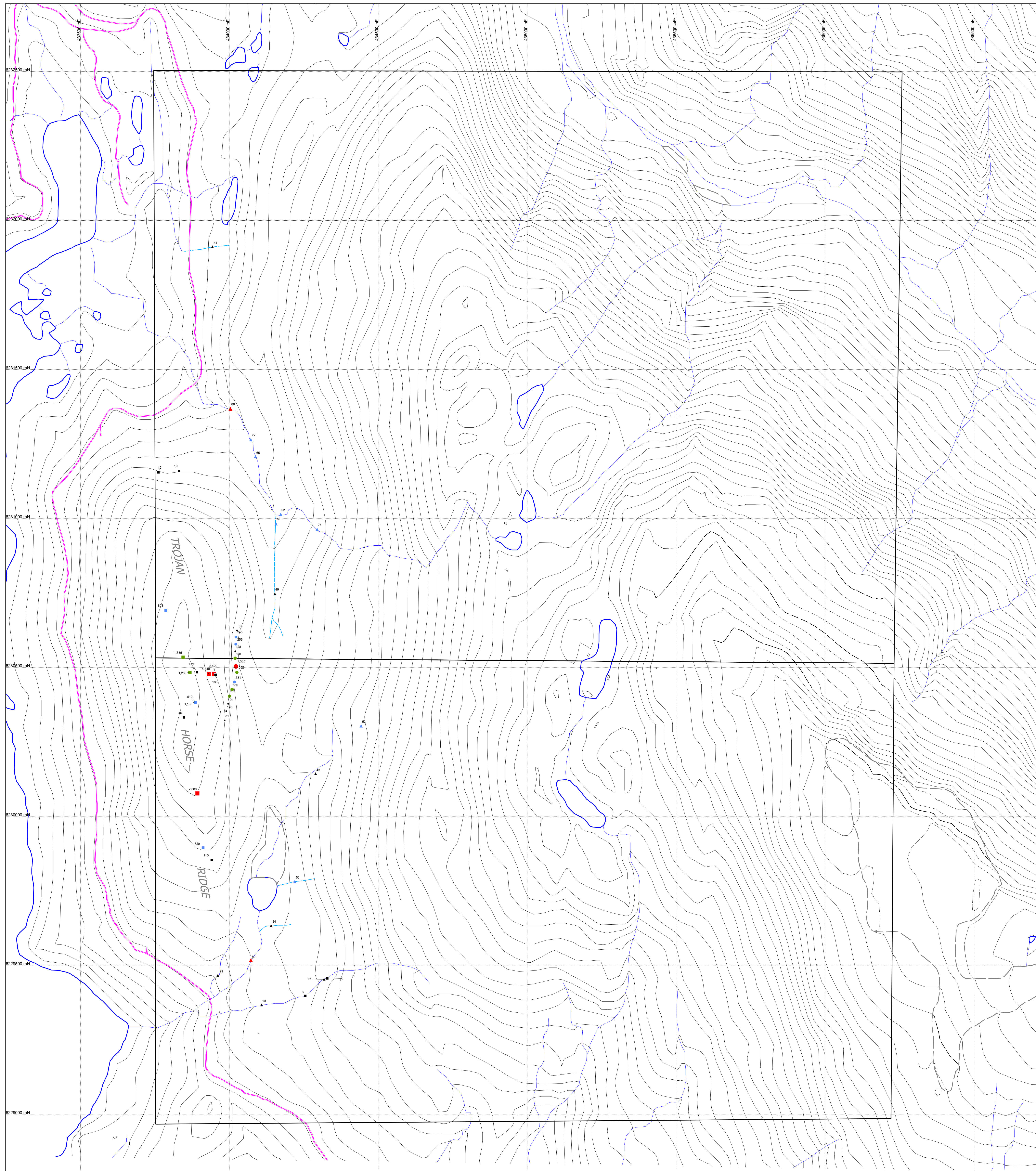
- 0.226 to 0.53 (1)
- 0.091 to 0.226 (5)
- 0 to 0.091 (7)

**SERENGETI RESOURCES INC.**  
**TWIN PROJECT**

**2004 Gold Geochemistry  
of Rocks, Silts and Soils**

Date	June 20, 2005	Scale	1:5,000	Page	
U.T.M. Zone	UTM 8 - NAD83	Mining District	SKEENA		
N.T.S.	104B/1.2	State/Province	BRITISH COLUMBIA		

**5**

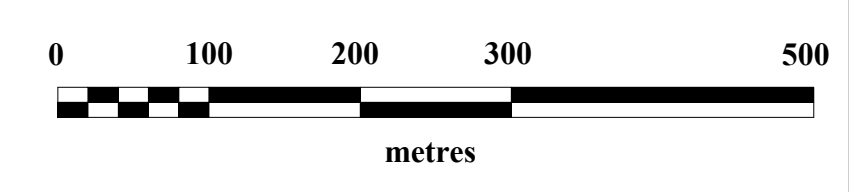


**Rock Sample Geochemistry**

SAMPLE	EastingUTM	NorthingUTM	Au_ppm	Ag_ppm	As_ppm	Cu_ppm	Pb_ppm	Zn_ppm
273684	433,841.00	6,229,854.00	0.018	0.7	110	12	72	16
273685	433,912.00	6,229,895.00	0.134	0.5	629	13	7	22
273696	433,893.00	6,230,078.00	0.714	5.6	2,000	21	20	5
273697	433,848.00	6,230,333.00	0.033	0.5	46	44	80	110
273698	433,886.00	6,230,384.00	0.586	4.6	1,135	5	16	4
273699	433,886.00	6,230,383.00	0.158	3.2	510	7	19	30
273700	433,892.00	6,230,485.00	0.115	1	472	43	8	38
273948	433,762.00	6,231,156.00	0.0025	0.1	15	93	10	82
273949	433,831.00	6,231,160.00	0.0025	0.2	10	278	12	128
273950	433,845.00	6,230,535.00	0.443	6.4	1,335	114	112	76
273951	433,868.00	6,230,484.00	0.338	2	1,280	20	19	16
273952	433,931.00	6,230,478.00	11.55	93.7	4,340	153	8,440	2,020
273976	433,787.00	6,230,692.00	0.174	4.8	808	33	177	83
279980	433,848.00	6,230,478.00	11.65	141	2,420	213	12,200	5,990
279981	433,954.00	6,230,476.00	0.15	2.8	188	38	220	227
279982	434,251.00	6,229,404.00	0.046	0.9	6	8	28	108
279983	434,329.00	6,229,457.00	0.018	0.5	2	5	7	5

**Silt Sample Geochemistry**

SAMPLE	EastingUTM	NorthingUTM	Au_ppm	Ag_ppm	As_ppm	Cu_ppm	Pb_ppm	Zn_ppm
231201	434,006.81	6,231,368.94	0.073	0.4	86	140	29	195
231202	434,080.87	6,231,267.42	0.017	0.4	72	77	52	163
231203	434,093.07	6,231,207.09	0.011	0.3	65	81	18	156
231204	434,173.04	6,231,012.41	0.009	0.3	52	82	31	137
231205	434,301.94	6,230,968.21	0.012	0.4	74	99	22	150
231206	434,157.31	6,230,980.80	0.006	0.2	52	92	20	166
231207	434,165.51	6,230,745.52	0.021	0.3	49	87	21	160
231208	434,326.00	6,228,400.00	0.014	0.6	26	173	30	161
231226	433,943.55	6,231,910.47	0.013	0.3	44	65	18	118
231227	434,060.96	6,229,519.75	0.01	0.5	80	154	28	194
231228	434,140.38	6,229,631.76	0.0025	0.5	34	75	25	76
231229	434,219.67	6,229,779.65	0.0025	0.6	56	40	12	39
231230	434,289.78	6,230,141.80	0.005	0.2	43	104	20	194
231231	434,442.77	6,230,302.45	0.008	0.3	52	58	19	114
231232	433,937.40	6,229,484.25	0.0025	0.3	29	50	15	157
231233	434,108.69	6,229,380.18	0.012	0.1	10	64	15	132
231234	434,326.25	6,229,443.08	0.166	0.2	16	56	15	131
231235	434,784.00	6,228,297.00	0.0025	0.4	23	55	17	174



**Twin Silt Geochemistry**  
Arsenic ppm

- ▲ > 75 ppm (2)
- 50 to 75 (7)
- ▲ 0 to 50 (9)

**Twin Soil Geochemistry**  
Arsenic ppm

- > 1,000 ppm (1)
- 520 to 1,000 (4)
- 245 to 520 (3)
- 50 to 245 (6)

**Twin Rock Geochemistry**  
Arsenic ppm

- > 2,000 ppm (3)
- 1,000 to 2,000 (3)
- 500 to 1,000 (3)
- 2 to 500 (6)

**SERENGETI RESOURCES INC.**

**TWIN PROJECT**

**2004 Arsenic Geochemistry  
of Rocks, Silts and Soils**

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	U.T.M. Zone	UTM 8 - NAD83	Mining District	SKEENA		
	N.T.S.	104B/1.2	State/Province	BRITISH COLUMBIA		