

**GEOCHEMICAL REPORT**

**SIM 13-24 CLAIMS**

**GRANT # YC23744-YC23755**

**094488**

**NTS # 115 O\3**

**LAT: 63° 10' N**

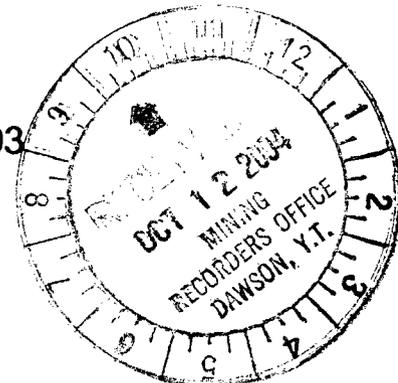
**LONG: 139°11' W**

**DAWSON MINING DISTRICT**

**AUTHOR OF REPORT SHAWN RYAN**

**WORK PERFORMED JUNE 21 - JULY 30, 2003**

**DATE OF REPORT MAY 25, 2004**



This report has been examined by  
the Geological Evaluation Unit  
under Section 53 (4) Yukon Quartz  
Mining Act and is allowed as  
reproduction work in the amount  
of \$ 1200.

*M. B.*  
Regional Manager, Exploration and  
Geological Services for Commissioner  
of Yukon Territory.

Costs associated with this report have been  
approved in the amount of \$ 1,200  
for assessment credit under Certificate of  
Work No. 2,000,493  
*Kathryn Perry*  
Mining Recorder  
Dawson City Mining District

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P.O. BOX 2703  
WHITEHORSE, YUKON Y1A 2C5

## **SUMMARY**

The Sim 13-24 were staked to cover similar geology and magnetic signature as the Lucky Joe target found 25 miles to the north. A regional soil survey undertaken during the summer field season of 2003 covered the ridge top on the Sim 13-24 claims.

### **1.0 INTRODUCTION**

The Sim 13-24 YC23744-YC23755 claims will be renewed for one year.

### **2.0 LOCATIONS AND ACCESS**

The Sim 13-24 claims are located on NTS 115 O / 3 in the Dawson Mining District. The Property lies 85 kilometers south of Dawson City, Yukon. The claim block covers a large north-facing ridge overlooking the Stewart River. Access is via helicopter from Dawson City, Yukon.

### **3.0 PROPERTY DESCRIPTION**

The Property consists of 12 full Quartz mining claims, which are registered in the Dawson Mining District. The Property is 900 meters wide by 2.7 kilometers long and covers 247.2 hectares or 619.2 acres.

### **4.0 PHYSIOGRAPHY**

The property lies between the elevations of 1900 feet and 3100 feet. The entire property is covered with boreal forest vegetation such as white spruce and poplar on well-drained soil and black spruce on poorly drained frozen north facing slope.

## **5.0 REGIONAL AND PROPERTY GEOLOGY**

### **5.1 REGIONAL GEOLOGY**

The Yukon-Tanana Terrane in the Stewart River area consists of twice transposed, amphibolite-facies gneiss and schist of mostly of (?) Paleozoic age. Quartz-rich metaclastic rocks (quartzite, quartz-mica schist, psammite, conglomerate) appear to have deposited during the mid-Paleozoic, rather than the Proterozoic as previously suspected. Broadly contemporaneous amphibolite of intermediate to mafic composition interdigitates with, and lies structurally (and possibly stragraphically) above, the metaclastic rocks. Extensive orthogneiss (including augen granite) intrudes both. The orthogneiss and amphibolite formed the subvolcanic root and volcanic cover, respectively, of a Devono-Mississippian island arc. These rocks served in turn as basement to a Permian magmatic arc, manifested as the Klondike schist and related plutons. A co-magmatic Permian orogeny resulted in extensive transposition and metamorphism of the mid- and late Paleozoic rocks. The Lucky Joe Cu-Au occurrence, of recent interest in the area, occurs generally within the complex, possibly structurally modified interface between metaclastic and amphibolite successions. (Geology exert from Ryan @ Gordey 2003)

### **5.2 PROPERTY GEOLOGY**

According to GSC Geology map, Open File 3690, Geology of Thistle Creek Area the Sim 13-24 covers only one mixed unit of amphibolite and mafic gneiss.

## **6.0 WORK PROGRAM / METHODS**

### **6.1 SOIL WORK**

The soil work consists of flying out to the property and getting let off at the top of the ridge system. Soil sample where taken with soil augers at an average depth of 60 centimeter. Field sample sites where marked with an orange flagging tape with sample number. Aluminum metal tag was also tied to a tree next to the sample site with the sample number imprinted on the tag. Soil sample where place in cotton or Kraft soil bags. A sample description of the color, depth, slope, horizon and UTM location was noted in field notes. A Garmin 76 GPS was used to get the exact UTM location. All GPS soil sample location where electronically downloaded every evening back in base camp. Soil sample where taken at 200 meter intervals on soil traverse. All sample where sent to Chemex Lab in Vancouver and process with fire assay for gold and ICP for the other elements.

## 7.0 INTERPRETATION

The Sim claim block soil samples indicated very little anomalous elements. The only real anomalous element noticed is a few sodium anomalies located in the central part of the claim block.

## 8.0 RECOMMENDATION

I would recommend a few more soil at the north end of the claim block to cover the magnetic high and low contact area. This is the Lucky Joe type target area and the 2003 soil survey only took one or two soil in the magnetic gradient area.

## 9.0 REFERENCES CITED

Ryan, J.J., Gordey, S.P., Glombick, P., Piercey, S.J., and Villeneuve, M.E., 2003: Update on Bedrock geological mapping of the Yukon-Tanana Terrane, southern Stewart River map are, Yukon Territory. Current Research 2003.

Ryan, J.J. and Gordey, S.P. 2001. GSC Open File 3690 Geology of Thistle Creek Area, Yukon Territory.

## 10.0 Cost

Assay Cost 15 soil @\$22.00	\$330.00
Wage one day @\$300.00 includes food	\$300.00
Helicopter assess 1 hour @ \$1130.00	\$800.00
Report Writing one day @ \$250.00	\$250.00
	-----
Total	\$1680.00

## 11.0 QUALIFICATION

I Shawn Ryan located in Dawson City, Yukon work as a professional prospector. I run a small exploration company located in Dawson city.

I have worked in the exploration business for the last 22 years. I worked the first 12 years as a contractor working on numerous projects in the NWT, Ontario, Quebec and the Yukon. I have worked for the last 8 years as a local prospector for myself.

I have being trained to run various geophysical instruments and surveys such as magnetic surveys, max-min surveys, induce polarity surveys and Vlf surveys.

I have overseen the soil survey conducted on the Sim claims.

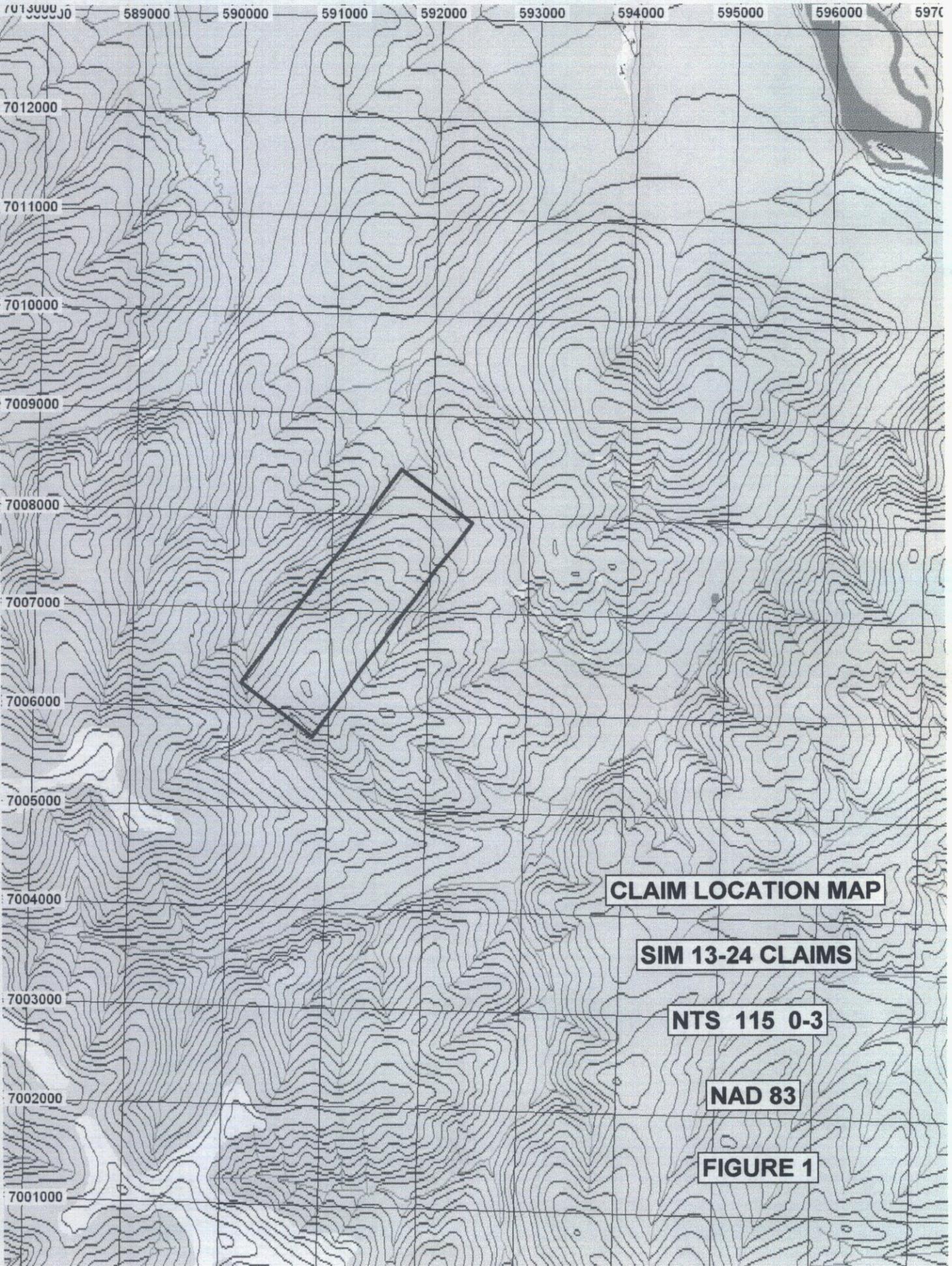
I own 100 % of the Sim claims and have now option the claims to Copper Ridge exploration.

Dated this 25 of May 2004 in Dawson City, Yukon.

Respectfully submitted

Shawn Ryan

A handwritten signature in black ink, appearing to read 'Shawn Ryan', with a stylized, cursive script.



7013000  
7012000  
7011000  
7010000  
7009000  
7008000  
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7001000

589000 590000 591000 592000 593000 594000 595000 596000 597000

**CLAIM LOCATION MAP**

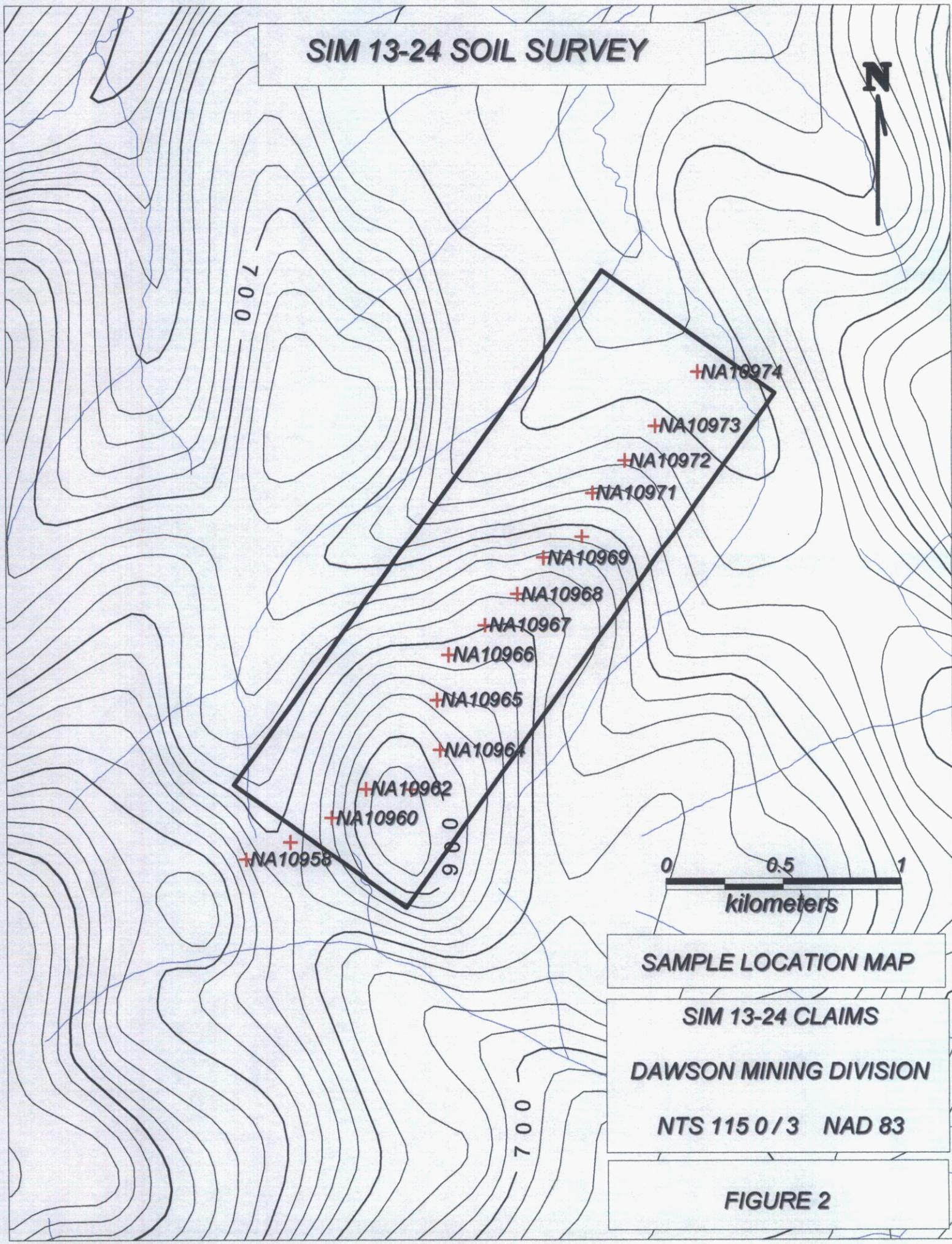
**SIM 13-24 CLAIMS**

**NTS 115 0-3**

**NAD 83**

**FIGURE 1**

# SIM 13-24 SOIL SURVEY



**SAMPLE LOCATION MAP**

**SIM 13-24 CLAIMS**

**DAWSON MINING DIVISION**

**NTS 115 0 / 3 NAD 83**

**FIGURE 2**

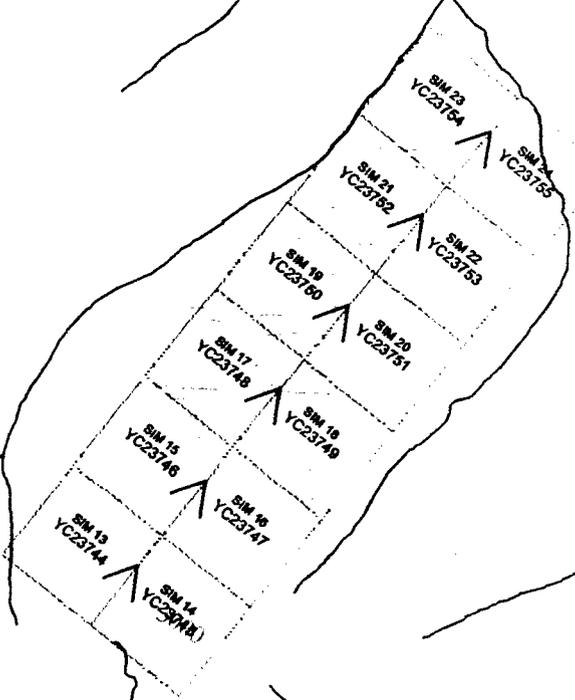
1500

2000

2500

TIM 7  
YC21938

TIM 8  
YC21939



Simmons

SIM 8  
C21948

MAPINFO_K	SAMPLED	PROPERTY	GEOLOGIST	SAMPLED4	Au_ppb	Ag_ppm	Al_ppm	As_ppm	B_ppm	Ba_ppm	Be_ppm	Bi_ppm	Cd_ppm	Ce_ppm	Co_ppm	Cu_ppm	Fe_ppm	Ga_ppm	Hg_ppm	K_ppm	La_ppm	Mg_ppm	Mn_ppm	Mo_ppm	
2,198	NA10958	STEWART	LINLEY	08/21/2003	2	-0.2	1.45	4	-10	170	0.5	-2	0.36	-0.5	9	9	18	3.34	10	-1	0.1	26	0.52	360	-1
2,197	NA10959	STEWART	LINLEY	08/21/2003	-1	-0.2	4.06	7	-10	280	0.5	-2	0.77	-0.5	14	26	24	3.02	10	-1	0.06	10	0.57	190	-1
2,196	NA10960	STEWART	LINLEY	08/21/2003	-1	-0.2	3.57	3	-10	340	-0.5	-2	1.14	-0.5	21	18	97	4.56	10	-1	0.36	10	1.41	748	-1
2,194	NA10962	STEWART	LINLEY	08/21/2003	1	0.2	1.82	4	-10	180	-0.5	-2	0.14	-0.5	9	14	28	3.88	10	-1	0.28	10	0.73	564	-1
2,193	NA10963	STEWART	LINLEY	08/21/2003	-1	-0.2	2.94	5	-10	250	-0.5	-2	0.28	-0.5	19	27	67	3.99	10	-1	0.26	10	0.98	445	-1
2,192	NA10964	STEWART	LINLEY	08/21/2003	3	-0.2	1.95	5	-10	348	-0.5	-2	0.41	-0.5	12	31	34	3.38	10	-1	0.07	20	0.86	344	1
2,191	NA10965	STEWART	LINLEY	08/21/2003	4	-0.2	2.93	2	-10	310	-0.5	-2	0.48	-0.5	17	21	33	4.58	10	-1	0.25	10	1.12	554	-1
2,190	NA10966	STEWART	LINLEY	08/21/2003	-1	-0.2	3.86	5	-10	300	0.5	-2	0.72	-0.5	19	18	34	6.14	10	-1	0.46	10	1.34	579	1
2,189	NA10967	STEWART	LINLEY	08/21/2003	1	-0.2	2.8	2	-10	280	-0.5	-2	0.34	-0.5	17	15	37	5.58	10	-1	0.29	10	1.08	660	-1
2,188	NA10968	STEWART	LINLEY	08/21/2003	2	0.2	2.98	-2	-10	1,870	-0.5	-2	0.47	-0.5	17	32	50	5.14	10	-1	0.33	10	1.12	475	-1
2,187	NA10969	STEWART	LINLEY	08/21/2003	-1	-0.2	2.48	2	-10	380	-0.5	-2	0.42	-0.5	18	26	42	3.84	10	-1	0.33	10	1	486	1
2,186	NA10970	STEWART	LINLEY	08/21/2003	4	-0.2	3.14	2	-10	440	-0.5	-2	0.73	-0.5	20	36	75	4.48	10	-1	0.58	10	1.42	502	1
2,185	NA10971	STEWART	LINLEY	08/21/2003	-1	-0.2	2.95	5	-10	310	-0.5	-2	0.49	-0.5	18	31	47	3.81	10	-1	0.42	10	1.31	489	-1
2,184	NA10972	STEWART	LINLEY	08/21/2003	1	-0.2	1.92	5	-10	240	-0.5	-2	0.33	-0.5	10	34	33	2.78	10	-1	0.1	10	0.74	236	-1
2,183	NA10973	STEWART	LINLEY	08/21/2003	-1	-0.2	3.1	2	-10	380	-0.5	-2	1.06	-0.5	17	36	81	3.95	10	-1	0.63	10	1.34	448	1
2,182	NA10974	STEWART	LINLEY	08/21/2003	3	0.3	1.1	5	-10	170	-0.5	-2	0.57	-0.5	8	24	25	2.18	-10	-1	0.06	10	0.46	284	1

No	Ni_ppm	P_ppm	Pb_ppm	S	Sb_ppm	Sr_ppm	Zr_ppm	TI	TI_ppm	U_ppm	V_ppm	W_ppm	Zn_ppm	SAMPLETY	S_COLOR	S_COLORS	S_DEPTH	S_DURST	S_ORGAN	S_HORSEK	S_CLF	S_MONITU	S_SLOI	S_BHWORHSE	S_FRGZ	S_DOM	S_QUALIT
0.01	5	410	2	-0.01	-2	9	22	0.04	-10	-10	42	-10	35	SL	OR	OD	0.6	M		C	L	L	M	BDR	N		H
0.02	18	150	2	0.01	-2	6	63	0.11	-10	-10	63	-10	41	SL	OR	OD	0.4	M		C	L	L	M	BDR	N		H
0.04	11	1,070	13	-0.01	2	9	66	0.23	-10	-10	116	-10	60	SL	BN	OD	0.4	M		C	L	L	F	BDR	N		H
0.01	10	480	6	0.01	-2	13	9	0.13	-10	-10	44	-10	109	SL	OR	OD	0.5	M		C	L	L	S	BDR	N		H
0.03	17	350	10	0.01	-2	5	17	0.15	-10	-10	66	-10	49	SL	BN	OD	0.4	M		C	L	L	M	BDR	N		H
0.03	23	710	12	0.01	2	6	30	0.12	-10	-10	61	-10	73	SL	BN	OD	0.3	M	1	B	H	H	M	BDR	P		L
0.02	12	540	8	0.01	2	6	30	0.18	-10	-10	103	-10	66	SL	BN	OD	0.35	M		C	L	L	M	BDR	N		H
0.04	12	1,460	9	-0.01	-2	8	32	0.31	-10	-10	66	-10	100	SL	BN	OD	0.25	M		C	L	L	G	BDR	N		H
0.03	11	330	8	0.01	2	11	22	0.23	-10	-10	167	-10	130	SL	BN	OD	0.35	M		C	L	L	M	BDR	P		H
0.04	17	800	12	0.01	2	13	33	0.15	-10	-10	67	-10	103	SL	BN	OD	0.35	M		C	L	H	M	BDR	P		H
0.02	14	400	10	0.01	-2	6	30	0.2	-10	-10	66	-10	60	SL	BN	OD	0.4	M		C	L	L	M	BDR	N		H
0.04	18	670	10	0.01	-2	6	47	0.26	-10	-10	117	-10	65	SL	BN	OD	0.65	M		C	L	H	M	BDR	P		L
0.02	19	450	11	0.01	-2	3	34	0.23	-10	-10	93	-10	65	SL	BN	OD	0.4	M		C	L	M	M	BDR	N		H
0.02	18	210	7	-0.01	-2	3	26	0.16	-10	-10	70	-10	45	SL	BN	OD	0.4	M	1	B	M	H	M	BDR	P		M
0.04	18	670	7	0.01	-2	5	62	0.27	-10	-10	105	-10	73	SL	BN	OD	0.35	M	1	C	M	H	M	BDR			M
0.03	16	910	10	0.01	-2	3	32	0.11	-10	-10	57	-10	41	SL	BN	OD	0.1	M		B	L	H	G	COL	P		M

NOTES	Abc_Ac_ppm	Abc_Pb_ppm	UTM_EAST	UTM_NORTH
	4	2	500,196	7,006,632
	7	2	500,346	7,006,005
	3	13	500,521	7,006,196
	4	6	500,607	7,006,232
	5	10	500,662	7,006,230
	5	12	500,664	7,006,401
	2	6	500,671	7,006,615
	5	8	501,021	7,006,808
REDDISH TONE	2	8	501,177	7,006,636
	1	12	501,315	7,007,066
	2	10	501,427	7,007,221
	2	10	501,562	7,007,319
	5	11	501,638	7,007,506
	5	7	501,776	7,007,646
	2	7	501,905	7,007,764
	5	10	502,066	7,008,024