

**REPORT OF 2001 FIELD ACTIVITIES
FUNDED UNDER YMIP GRANT #01-013**

**PREPARED FOR:
TANANA EXPLORATION INC.
C/O 214 ALSEK ROAD
WHITEHORSE, YUKON
Y1A 5A8**

**BY:
STEVE TRAYNOR, B.Sc (Honours, Geology)
OCTOBER 2001**

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INTRODUCTION

This report prepared for Tanana Exploration Inc., summarizes prospective exploration funded under Grant # 01-013 of the Yukon Mineral Incentives Program (YMIP) and carried out during the 2001 exploration field season.

The writer assisted with some of the field work detailed in this report and has reviewed research materials, field notes and rock samples supplied by Mr. Carrell, the prospector whom the company grubstaked.

PROJECT AREA #1 – MT. CAMERON

PROJECT SUMMARY

Only preliminary reconnaissance and orientation work was completed on this project area during the 2001 field season. During the period of June 20th to 22nd some claim maintenance and assessment of environmental conditions in the area of the main showing was completed in anticipation of a property exam that was subsequently carried out by Noranda Exploration Inc. personnel.



Figure 1 – Cameron Main Showing (center foreground), looking west from the head of Alverson Gulch

On July 1, 2001 Noranda Inc. notified Tanana Exploration Inc that it had elected to exercise its option on the Cameron property and title was subsequently transferred to Noranda upon receipt of the first payment in accordance with the terms of the agreement.

During the first three weeks of August 2001, Noranda personnel carried out a limited drill program on the main Cameron showing to assess the structure and mineralization identified during previous drilling in 1974. A report detailing the results of this work is currently being prepared by Dave King, the Noranada geologist who oversaw the project.

PROJECT AREA #2 – RYE CREEK

PROJECT SUMMARY

No work was completed in this project area during the course of the 2001 exploration season. The target is still considered highly viable, but the current grassroots status of the area does not present a very positive risk/reward analysis given the industries current focus on more advanced ('drill ready targets') as result of the present market fundamentals.

PROJECT AREA #3 – WEASEL LAKE (SPICE PROPERTY)

PROJECT SUMMARY

A separate report detailing exploration activities in this project area has been submitted under separate cover. Please see the included report entitled, "Evaluation Report on the Spice Property".

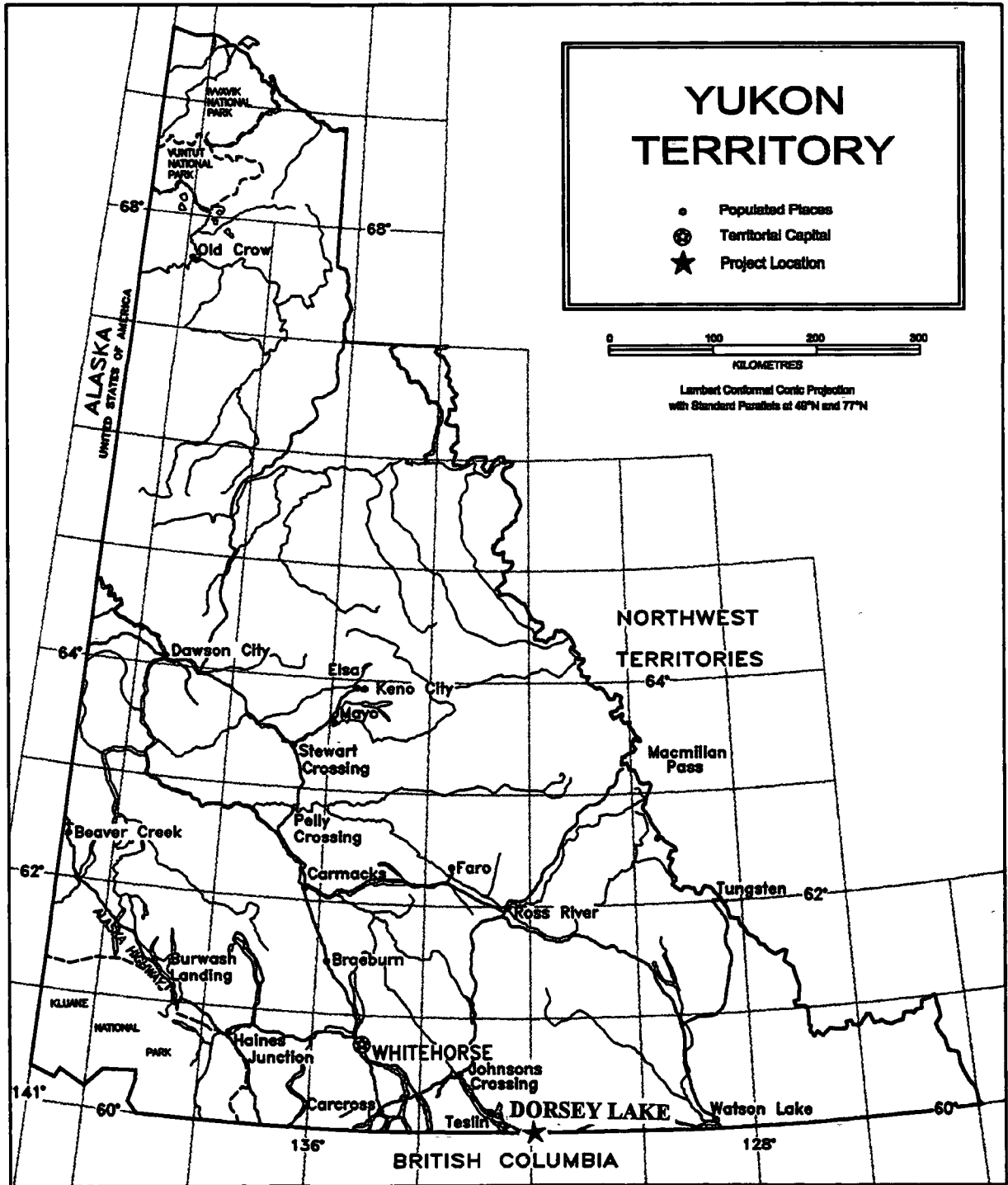
PROJECT AREA #4 – DORSEY LAKE

PROJECT SUMMARY

Prospecting activities in this area were proposed as an amendment to the original application (correspondence dated June 4, 2001) to follow up research indicating potential for intrusive related gold and gemstones. A total of 65 man days (not including rain days and travel) were spent on prospecting and evaluating targets within the project area during the 2001 field season.

AREA LOCATION AND ACCESS

The project area is located in the Swift River region of the southern Yukon (see Figure 2) and is shown on the the NTS 105B/4 map sheet. It covers a large area N and NW of Dorsey Lake which is found



**DORSEY LAKE
Project Location Map**

Steve Traynor, Geologist

SCALE: 1 : 6,000,000	FILE:	DATE: 98.11.15
NTS:	DRAWN: SDT	FIGURE 2

about 25 kilometers due east of Teslin in the Smart River system and roughly centered at 60 12' N latitude and 131 38' W Longitude. Access to the area is by float plane, generally from Whitehorse and an existing cabin at the NW end of Dorsey Lake was upgraded and used as a base camp from which exploration traverses were carried out. More detailed followup recommended will make use of a helicopter supported fly camp to cut down on the large hiking distances (10 to 15 km roundtrip) that were required during the 2001 field season.

PREVIOUS WORK AND EXPLORATION HISTORY

This area was extensively explored for tin associated skarn zones formed along the margins of the Seagull Batholith intrusions between 1977 and 1984. J.C. Stephens Exploration completed much of the early work, followed by a syndicate between Dome and Cominco and finally a large multi year project carried out by DuPont/Duval, known as the Klunkit Joint Venture, which included numerous properties in the Yukon and B.C. Mapping, geochemistry, geophysics, trenching and limited drilling was carried out during this time. The reader is referred to the Yukon Minfile (occurrences 105B 040, 070, 081, 084, 086 088) for specific details of these explorations.

Subsequent to this period, in 1993, YMIP funded prospecting by H. Kearns identified an area containing fragments of quartz veins hosting well developed beryl crystals located on a NE trending ridge in the central part of the region north of Dorsey Lake. This information together with previous mapping by Dupont which shows quartz-tourmaline veining and quartz stockworks, occasionally forming griesen zones is indicative of possible emerald potential in the area.

REGIONAL AND GENERAL GEOLOGY

The area is situated in the Dorsey Range in the south central Yukon on the flank of the Seagull Batholith. The batholith, consisting of monzonite and granodiorite, is mid-Cretaceous in age and intrudes Devonian and Mississippian rocks of the YTT, comprised of the Englishman Group of cherts, argillites, phyllites, quartzites and marbles. Well developed skarn formation is widespread throughout the area where ever limestone units of the group are present.

Contacts between the YTT units are very gradational and due to differential weathering can be identified in most cases simply by these differences.

The batholith overall shows pervasive jointing that is evident in the overlying rock, generally as north-south and east-west trending vertical fractures.

DESCRIPTION AND SUMMARY OF WORK

Prospecting of a large region, comprising approximately 20 sq km., identified four targets that were staked and subsequently followed up with more detailed sampling/trenching/prospecting. Three targets were staked for their gemstone potential (M.C , Eccles and Skarn) while the fourth was staked as possible tungsten play (J C.) when preliminary reconnaissance indicated the presence of scheelite and possibly wolframite.

Difficult travel conditions were improved with the upgrade of an existing access trail from Dorsey Lake into the high country to the NW. This helped to reduce travel times required for the 10+km. roundtrip hikes and improved safety during the often wet conditions.

Detailed prospecting and preliminary sampling precipitated the decision to stake a total of ten claims comprising 4 small blocks (see Figure 3) in mid July which was followed up as summarized below,

M.C #1 and M.C. #2 (60° 11' 37" N Latitude/131 37' 37" W Longitude)

These claims were staked to cover the previously mentioned beryll occurrence after its location was determined during reconnaissance prospecting. Trenching and more detailed prospecting were then completed to facilitate the evaluation of this occurrence. A total of approximately 25 cu. m. of residual cover and broken bedrock were excavated and screened to test for gemstone potential (see Figures 4 and 5).

Eccles #1 and Eccles #2 (60° 12' 56" N Latitude/131 36' 17" W Longitude)

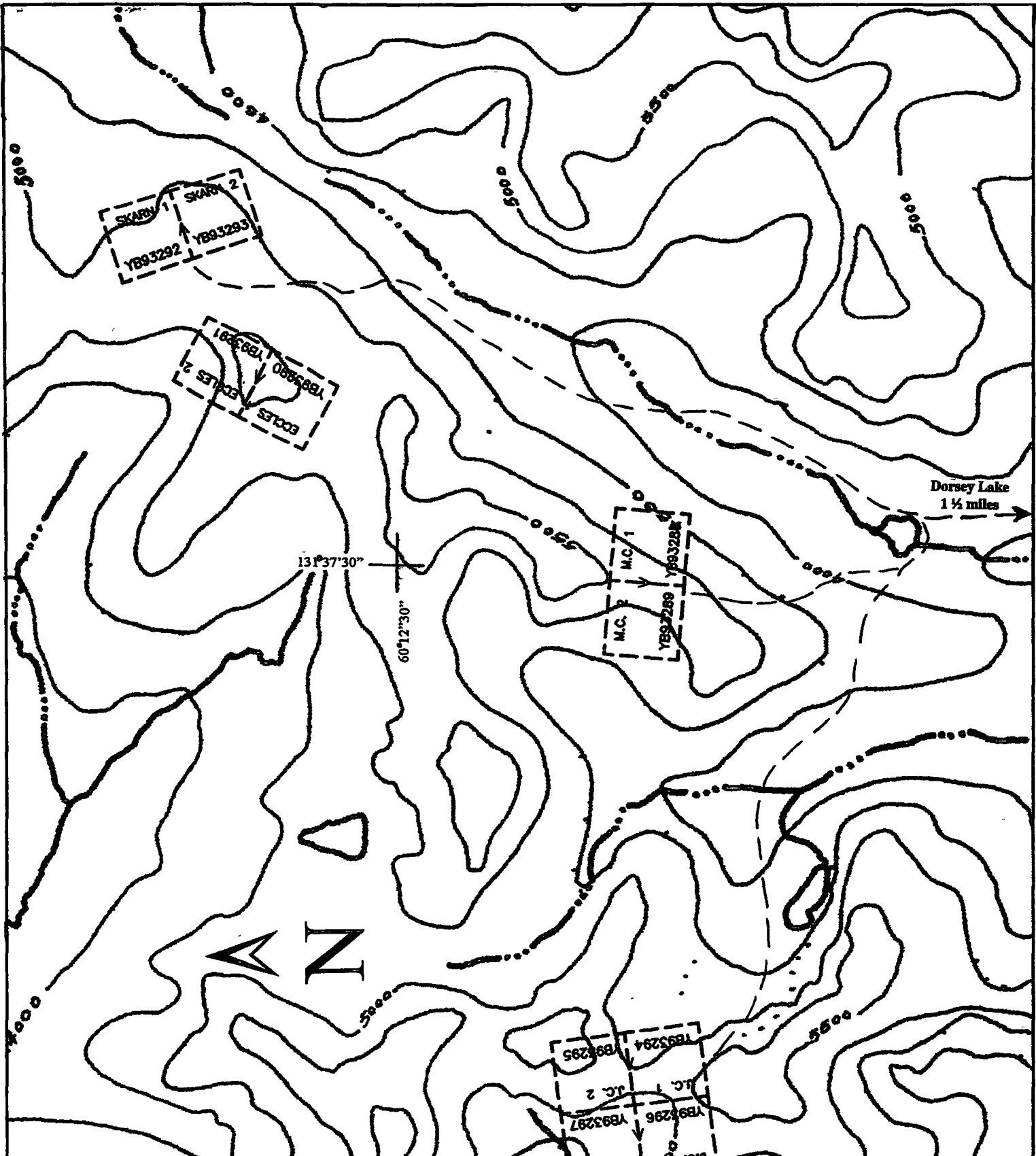
This target was staked because of its similarities to the MC claims and was prospected briefly during the course of regional reconnaissance. No other work has been completed on this target at this time.

Skarn #1 and Skarn # 2 (60° 13' 15" N Latitude/131 35' 14" W Longitude)

As a result of detailed research of historical data this area was identified as prospective and was subsequently staked. Prospecting was then carried out and minor trenching was completed.

J.C. #1 to J.C. #4 (60° 11' 38" N Latitude/131 41' 10" W Longitude)

Reconnaissance prospecting precipitated the staking of this known Sn occurrence, with detailed prospecting and sampling being completed to assess its potential to host Au or W mineralization. A total of 9 samples were collected from old workings and outcrop in the area and submitted for multi-element ICP analysis.



TANANA EXPLORATION INC.

DORSEY PROJECT
Claims Location Map

Steve Traynor, Geologist

Scale: 1/2 inch to 1 mile

Date: October 2001

NTS: 105 B/4

Figure: 3



Figure 4 – Main trench, M.C. claims



Figure 5 – Excavated material being sorted and screened

ANALYSIS AND RESULTS

M.C. #1 and M.C. #2 (60° 11' 37" N Latitude/131 37' 37" W Longitude)

A east-west trending structure located on the main ridge in this area was found to containing a large vein or dike. Composed primarily of massive white quartz as well as clusters of beryl crystals ranging in color from white to pale green (see Figure 6) this vertical feature yield a number of well formed, but fractured beryl crystals that were up to 10 cm long. The material was mostly opaque, with only a few small pieces approaching a semi-transparent character.



Figure 6 – Massive quartz with white and green beryl.

While more extensive excavations may yield some nice specimen quality beryl crystals, there does not appear to be any material with enough transparency or proper color to be considered gem quality. Cleaning and evaluation of a number of specimens is ongoing and a later decision will be made with regard to future exploration plans for this ground during the off season.

Eccles #1 and Eccles #2 (60° 12' 56" N Latitude/131 36' 17" W Longitude)

While alteration in this area originally suggested a similar setting to the MC area, further investigation failed to detect any significant amount of quartz veining or beryl formation in this area. No other followup was completed or is proposed for these claims, which will likely be dropped.

Skarn #1 and Skarn #2 (60° 13' 15" N Latitude/131° 35' 14" W Longitude)

One of the features of the skarning throughout this region, identified through research and detected during prospecting, was that the calc-silicate rich skarns are found to contain abundant garnets often as bedded garnetite (see Figure 7). While previous investigations in the area did not focus on garnet formation, except as an indication of skarn stages, many of the occurrences were mapped.



Figure 7 – Bedded garnetite in skarnified marble

One such occurrence indicated in the area covered by the Skarn #1 and #2 was located and investigated towards the end of the 2001 field season. It contained abundant well formed brown to greenish garnets up to 1 ½ cm in diameter. These first garnets though were mostly opaque and of little value as gemstones. Further investigation of the target and delineation of the garnetite beds did provide evidence that the area was also host to more transparent specimens. In scree below the original occurrence the author located 3 micro garnets in the .1mm to .2mm size range that showed good transparency and excellent yellow-green to green coloration indicating that larger gem quality stones will likely be found in place with further evaluation of this promising occurrence that is being proposed for the 2002 field season.

J.C. #1 to J.C. #4 (60° 11' 38" N Latitude/131 41' 10" W Longitude)

Sampling of this known occurrence, see Figure 8, produced some interesting base metal anomalies (up to 4.43 % Zn and 4.50 % Cu), but gold and tungsten values were very disappointing. The base metal mineralization detected is not considered significant as it is found to be very poddy within the more abundant magnetite rich skarn. Subsequent discussion with Grant Abbott of DIAND about the mineralization associated with Cretaceous aged intrusions throughout the Yukon points to a growing realization that these systems are either gold, tin or tungsten rich and that invariably the enrichment of one results in the exclusion of the others. No clear indication of why this occurs is available yet, but the pattern is certainly evident from the sampling completed on this property which showed only minor tin enrichment.

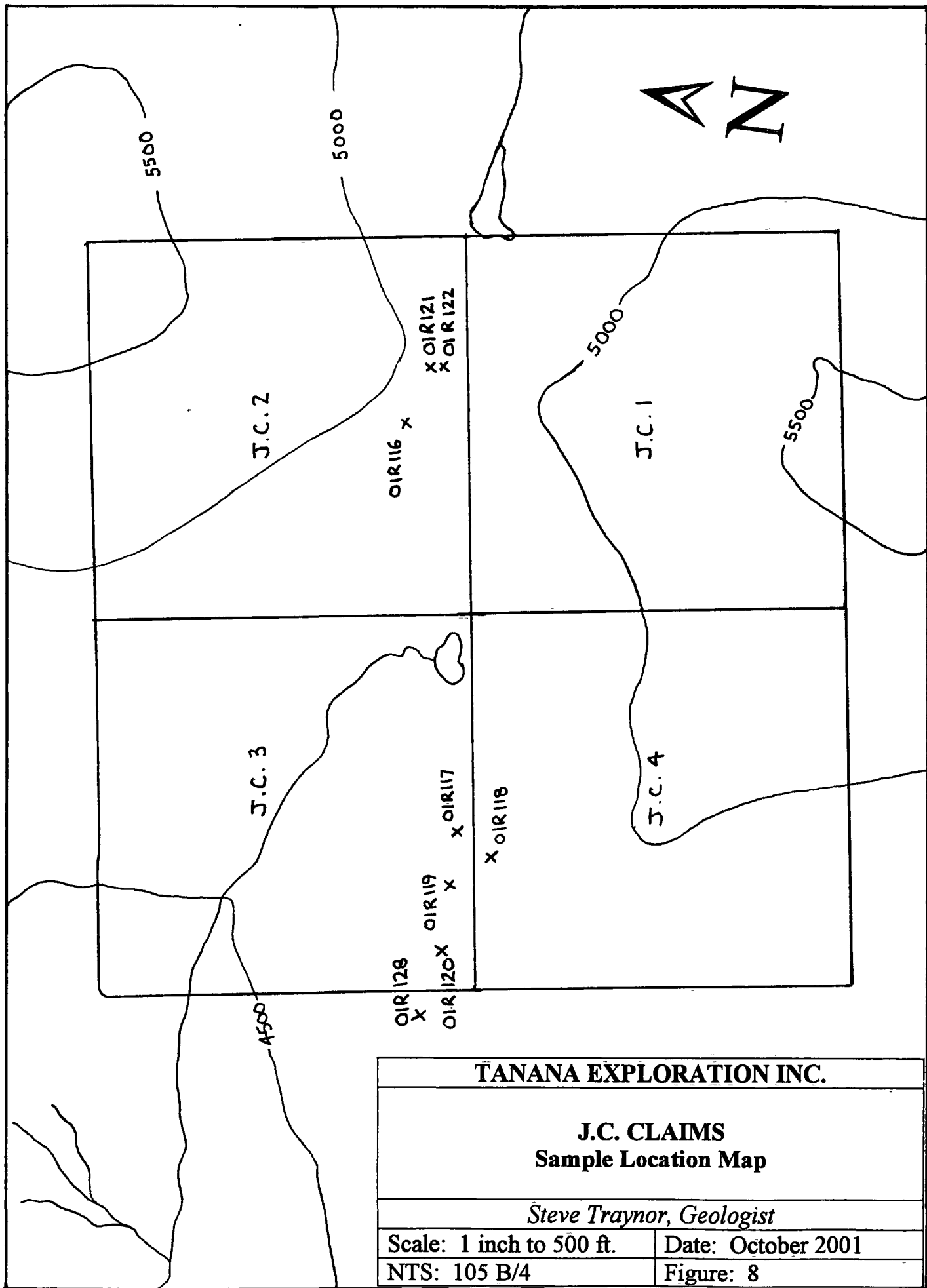
No further work will be carried out on this property.

CONCLUSIONS AND RECOMMENDATIONS

The discovery of an occurrence of apparently gem quality garnets on the Skarn claims was the result of research driven prospective exploration. Despite time constraints imposed by the late season discovery and extended travel times required to work the showing, a significant area with high potential for further discovery was ultimately identified.

Garnets have been prized as gems for at least 5000 years and even a small deposit of gem garnets could prove significant when one considers that good-quality one carat tsavorite (vanadium rich grossular) garnets are retailed for \$1,500 to \$3,000 (Walton, 1996).

It is recommended that an extensive program of sampling and recovery of garnets be carried out on this very promising target during the 2002 field season to evaluate the gem potential of these claims. The experience of this season indicates the necessity of moving a camp into the vicinity of the claims, now that a principal target has been identified. This will eliminate the need to spend large portions of the day travelling and will focus exploration efforts on the area of interest. Reconnaissance of the area completed this season indicated a suitable camp site with water available. Proposed work for next season will include setting up a helicopter fly camp on the edge of the claim block, detailed prospecting and excavation of trenches to further delineate the source of the micro garnets discovered at the end of the 2001 field season and recovery of potential gem quality specimens for further identification and gemological testing.



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APPENDIX A

ROCK SAMPLE REPORT

APPENDIX B

**CERTIFICATES
OF
ANALYSIS**



BONDAR CLEGG



Geochemical Lab Report

TANANA EXPLORATION
MR. STEVE TRAYNOR
214 ALSEK RD
WHITEHORSE YT Y1A 3T5

+ + + +

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Bondar Clegg Canada Limited, 130 Pemberton Avenue, North Vancouver, B.C. V7P 2P5, (604) 985-0681



REPORT: V01-01578.0 (COMPLETE)

REFERENCE:

CLIENT: TANANA EXPLORATION
PROJECT: JC

SUBMITTED BY: S. TRAYNOR
DATE RECEIVED: 17-AUG-01 DATE PRINTED: 28-AUG-01

Table with columns: DATE APPROVED, ELEMENT, NUMBER OF ANALYSES, LOWER DETECTION, EXTRACTION, METHOD. Contains analysis data for elements Au, Ag, Cu, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Hg, Fe, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc.

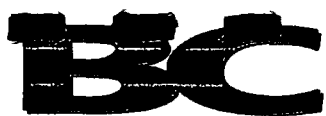
Table with columns: DATE APPROVED, ELEMENT, NUMBER OF ANALYSES, LOWER DETECTION, EXTRACTION, METHOD. Contains analysis data for elements Ta, Ti, Zr, S.

Table with columns: SAMPLE TYPES, NUMBER, SIZE FRACTIONS, NUMBER, SAMPLE PREPARATIONS, NUMBER. Contains sample preparation details for R ROCK.

REMARKS: Carryover to the blank due to the high levels of zinc in the samples. RRD 08/23/01

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This report must not be reproduced except in full. The data presented in this report is specific to those samples identified under "Sample Number" and is applicable only to the samples as received expressed on a dry basis unless otherwise indicated



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PROJECT: JC
DATE RECEIVED: 17-AUG-01 DATE PRINTED: 28-AUG-01 PAGE 1A(1/ 6)

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	CuOL PCT	Pb PPM	Zn PPM	ZnOL PCT	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Hg PPM	Fe PCT	FeOL PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM
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PAGE 1B(2/ 6)

SAMPLE NUMBER	ELEMENT UNITS	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
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01R119		<5	<10	<.010	3	0.09
01R120		<5	<10	<.010	<1	0.68
01R121		<5	<10	0.122	8	0.04
01R122		<5	<10	<.010	<1	4.83
01R127		<5	<10	<.010	<1	0.13
01R128		<5	<10	0.073	8	2.14



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PROJECT: JC

Table with columns for STANDARD NAME, ELEMENT, and various chemical elements (Au, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Hg, Fe, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb). Rows include CANMET LKSD-2, ANALYTICAL BLANK, and MP-1A.

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Mean Value		6	5 0.070	3	0.17	
Standard Deviation		-	-	-	-	-
Accepted Value		7 *	-	-	+ 0.16	
ANALYTICAL BLANK		<5 <10	<.010	<1	<.01	
Number of Analyses		1	1	1	1	1
Mean Value		3	5 0.005	<1	<.01	
Standard Deviation		-	-	-	-	-
Accepted Value		<1 <1	<.001	<1	<.01	
MP-1A		- *	-	-	-	-
Number of Analyses		-	-	-	-	-
Mean Value		-	-	-	-	-
Standard Deviation		-	-	-	-	-
Accepted Value		- *	-	-	-	-



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PROJECT: JC

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01R116 Duplicate		<5	<0.2	190		<2	>10000	2.86	<1	38	64	187.9	<5	135	<5	<.010	6.03		5919	16	10	34	23	176	<20	3	1.80	0.37	5.80	0.02	0.01	36	4	<2	1	<1	
								2.87																													
01R118 Duplicate		<5	1.1	800		<2	109		<1	2	6	0.3	<5	11	<5	<.010	>10.00	47.85	1093	<10	9	<1	34	616	<20	4	1.61	0.43	1.96	0.20	0.27	3	5	<2	8	<1	
		<5																																			
01R128 Duplicate		113	1.4	146		13	>10000	4.43	<1	6	18	293.8	289	<5	15	0.809	8.22		6723	<10	4	14	24	200	<20	4	1.77	0.67	>10.00	0.03	0.02	79	6	<2	1	<1	
			1.3	144		12	>10000		<1	6	18	294.8	283	<5	13	0.832	8.36		6901	11	5	15	25	208	<20	4	1.87	0.67	>10.00	0.03	0.02	80	6	<2	1	1	



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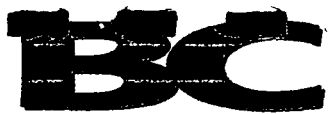
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PAGE 3B(6/ 6)

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01R128 Duplicate	<5	<10	0.073	8	2.14	
	<5	<10	0.075	8	2.17	



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PROJECT: JC
PAGE 38(6/ 6)

SAMPLE NUMBER	ELEMENT UNITS	Sc PPM	Ti PPM	Zr PPM	S PPM
01R116 Duplicate	<5	<10	0.046	4	0.04
01R118 Duplicate	<5	<10	0.061	2	0.02
01R128 Duplicate	<5	<10	0.073	8	2.14
	<5	<10	0.075	8	2.17

APPENDIX C

FIELD NOTES

No

Date

SPICE
JUNE 14, 2001 Page 02

JUAN ELASH & I SET OUT
ON SPICE CLAIMS AT 8:30 AM

CAMP LOCATED & SET UP
ON RIDGE SOUTH OF COMMON
LINE ON SPICE #3.

JUAN & I LOCATED & TAGGED
THE CLAIM POSTS IN THE
AFTERNOON.

WE CLEARED A HELI PAD
20 METERS WEST OF CAMP

WE FRIGHTENED OFF A
3 OR 4 YEAR OLD CINNAMON
BEAR IN THE EVENING.

No

Date

SPICE
JUNE 15, 2001 Page 03

JUAN ELASH & I TRAVERSED
THE RIDGE NORTH EAST OF
CAMP.

NO OUTCROP FOUND. HOWEVER
LARGE, 3 METER BOULDERS OF
DIONITE AT VARIOUS PLACES
ALONG THE RIDGE.

TOOK SAMPLE #OIR-102
FROM QUARTZITE OUTCROP
NORTH OF CAMP. THIS
AREA WILL BE DESIGNATED
(OUTCROP #1) & LOCATED
WHEN THE SOIL LINES ARE
CHAINED IN TOMORROW.

CINNAMON BEAR RAIDED
OUR MEAT COOLER IN OUR
ABSENCE. JUDGING BY
THE BITE MARKS ON THE
COOLER LID, THERE IS A
SMALL CUB WITH HER.

No

Date

SPICE
JUNE 16 2001 Page 04SOIL SAMPLING WITH
S. BOND & HELPERTHIS LINE STARTS 150 W /
OO SPICE #3 & 4 COMMON
LINE.

BASE LINE BEARING 296°

LINE 150 W. BEARS 200° S. ;
20° N.

I CHAINED NORTH 250 METERS

HIT EDGE OF LAKE. OFF
SET 100 METERS TO WEST
CONTINUED OUT TO 920 N /
250 W END OF LINE
AT LAKE TO ALONG OF
SPICE LAKE.I OFFSET FROM STATION
800 N / 250 W TO 800 N / 350 W

No

Date

SPICE
JUNE 16 2001 Page 05I CHAINED THE 350 W LINE
BACK TO OO FROM 800 NI CHAINED BACK TO 150 W /
OO IN A WARM HOLE ON THE
200 METER OFFSET BY
28 METERSCHAINED 250 W BACK TO
OO FROM 300 NCHAINED 250 W FROM OO TO
300 SOUTHOFFSET 100 METERS WEST TO
300 S / 350 WCHAINED FROM 300 S TO OO
MARKING EVERY 50 METER STATION

No
Date

SPICE

JUNE 17

Page 06

SAMPLING WITH D. MURPHY
OIR-102 TAKEN FROM
BEDROCK AT 177W/240N

OUTCROP #1
SAMPLE # OIR-103 TAKEN FROM
OUTCROP #1 SOUTH OF LAST
LOCATION BY 10 METERS

OUTCROP #2 LOCATED AT 187W/
050 N.
SAMPLE # OIR-104 TAKEN HERE

SAMPLE # OIR-105 TAKEN
FROM OUTCROP #3 LOCATED AT
135W/050 S

OUTCROP #4 LOCATED 043W/
154 S SAMPLE # OIR-106
TAKEN FROM OUTCROP

SAMPLE # OIR-107 TAKEN FROM
PIT AT 15W/300 S
SAMPLE IS ANGULAR IRON
STAINED SHALE NEAR BEDROCK

No

Date

SPICE

JUNE 17, 2001

Page

07

OUTCROP #5 LOCATED 316W/
176 S

SAMPLE # OIR-108 TAKEN
FROM OUTCROP - QUANTZ
PORPHYRITIC FERRO INTRUSIVE
DIKE

SAMPLE # OIR-109 TAKEN
FROM OUTCROP TO SOUTH
TREND IS 340° (20m away)

SAMPLE # OIR-110 TAKEN
FROM OUTCROP 425W/092 S
QUANTZITE OUTCROP #6

SAMPLE # OIR-111 & OIR-112
TAKEN FROM OUTCROP LOCATED
31 METERS SOUTH OF POST #2
SPICE #3 OUTCROP #7

SAMPLE # OIR-113 TAKEN
FROM OUTCROP AT 050W/
184 S. THIS IS THE SOUTH
EXTENSION OF OUTCROP #4

No SPICE
Date JUNE 17, 2001 Page 08

SAMPLE # OIR-114 TAKEN
FROM OUTCROP # 8 2.58W/
047.5 THE HELI PAD.

DON MURPHY LEFT AT 1:30

IUAN ELASH & I SOIL SAMPLED
350W FROM 300 SOUTH TO 650N.

WE SOIL SAMPLED 050 WEST
FROM 300 SOUTH TO 100 NORTH.

DAYS END 5:30 PM.

SAMPLE # OIR-115 TAKEN
FROM QUARTZITE SUIS CROP
30 METERS WEST OF OUTCROP
3 THIS IS EASTERN EXTEN-
SION OF OUTCROP # 8

No SPICE
Date JUNE 18, 2001 Page 09

8:00 A.M. PULLED CAMP.

MOBILIZED TO MAYO.

No

Date

DONSEY
July 3 2001 Page 01

LEFT FOR DONSEY LAKE

SET UP CAMP

No

Date

DONSEY
July 4 2001 Page 02

RAIN WIND MOVED
INTO CABIN TO AVOID
HYPO THERMIA

No

DORSEY

Date

July 5

Page

03

TRAVERSED TO OLD J.C.
PROPERTY.

I TOOK THIS SAMPLE # OIR-116
FROM OUTCROP IN OLD HAND
TRENCH AT TOP OF PASS
SAMPLE IS SCANN RICH IN
ASURITE, BORNITE & ZINC?

I TOOK SAMPLE OIR-117
FROM OUTCROP 300 METERS
WEST OF LAST SAMPLE.

SCANN WITH BORNITE, CALCO, ETC

SAMPLE OIR-118 TAKEN FROM
OUTCROP 15 METERS SOUTH
OF LAST SAMPLE & STRATIGRAPHIC
ALLY ABOVE.

SAMPLE IS MASSIVE BLACK

SPHALERITE OR SPICULAR HEMATITE
WITH SOME ASURITE STAINING.

SAMPLE # OIR-119 TAKEN FROM
OUTCROP 100 METERS WEST OF
LAST SAMPLE

No

DORSEY

Date

July 5

Page

04

SAMPLE OIR-119 IS SCHEELITE

SAMPLE # OIR-120 TAKEN
FROM OUTCROP 100 METERS
WEST OF LAST SAMPLE.

SAMPLE IS SCANN WITH
CALCOPYRITE, ASURITE & MALACHITE
IN AN EPIDOTE MATRIX.

ALL OUTCROPS ON A BEARING
OF 243° WITH DECCINATION
SET AT 0.

STRIKE LENGTH 629 METERS

WE CONTINUED CHAINING
ON BEARING OF 240°

149 METERS - FOUND OLD

TRENCH ON EAST SIDE OF
PASS. SAMPLE # OIR-121
TAKEN FROM MALACHITE,
ASURITE, EPIDOTE SCANN.

No
Date

DORSEY
JULY 5, 2001 Page 05

SAMPLE # OIR-122 TAKEN
FROM RUSTY BAND OF METAL
BELOW SAMPLE # OIR-120

SAMPLE 122 IS OXIDIZED
PHYLOTITE, CHALCOPHYRITE, ETC.

ALL BEDS DIP TO THE SOUTH
WEST AT 30° EXCEPT THE
TWO IN THE PASS. # OIR-116 &
OIR-121 DIP AT 45° TO
THE SOUTH WEST

LOCATED SIX DRILL COLLARS
& THREE STACKS OF DRILL
CONES

No
Date

DORSEY
JULY 6, 2001 Page 06

RAIN DAY

WORKED ON CAMP

No
Date

DORSEY
July 7, 2001 Page 07

JOHN & I HIKED UP
TO HARRY'S RIDGE

FOUND INDICATIONS OF
SEVERAL PERMATITE DIKES

TOOK SAMPLE # OIR-123
FROM WALL ROCK?

SAMPLE IS GRANITE WITH
LARGE PHENOCRYSTS OF QUARTZ
& PLAGIOCLASE & APPEARS TO
BE CARRYING CINNABAR

TOOK SAMPLE # OIR-124
FROM FLOAT OF MILKY GREEN
BERYL.

RETURN TO CAMP 8 PM

WEATHER: INTERMITTENT RAIN,
SNEAT & HAIL

No
Date

DORSEY
July 8, 2001 Page 08

I JOHN & I TRAVERSED TO
ECCLES RIDGE.

DID NOT LOCATE GREISEN
ZONE

RETURN TO CAMP 10:30 PM

14 HOURS OF HIKING

NO SAMPLES.

No.
Date

DONSEY
July 9

Page

09

RAIN DAY

REST UP FROM BRUTAL

HIKE.

No.
Date

DONSEY
July 10

Page

10

IUAN, MORGAN & I WENT
TO HARRY'S RIDGE NOW
NAMED M. C. RIDGE, BECAUSE
MORGAN INJURED HIMSELF
GETTING HERE.

IUAN & MORGAN TRENCHED
THE WEATHERED DIKE,
WHERE WE SAMPLED THE
BERYL IN FLOAT.

I PROSPECTED THE WEST
SLOPE OF THE RIDGE.

TOOK SAMPLE # 015-125
FROM WHAT MAY BE ANOTHER
WEATHERED DIKE ABOUT 600
METER NORTH OF THE TRENCH.

SAMPLE IS BRICK RED &
COMPOSED OF RETTED GRANITE.

No
Date

DORSEY
JULY 10, 2001 Page 11

I TRAVERSED BACK SOUTH
ACROSS THE BASE OF THE
M.C. RIDGE.
I FOUND NUMEROUS BOULDERS
& CORBELS OF UGGY QUARTZ
BELOW THE WEATHERED DIKE.

TOOK SAMPLE OIR-126
FROM THE TRENCH JUAN &
MORGAN ARE DIGGING ON THE
NORTH END OF M.C. RIDGE.

SAMPLE IS WEATHERED GRANITE
WITH BRICK RED MINERAL IN
BETWEEN THE QUARTZ, PLAGIOCLASE,
MICA PHENOCRYSTS. CINNABAR?

No
Date

DORSEY
JULY 11, 2001 Page 12

JUAN, MORGAN & I
FREIGHTED TOOLS & SUPPLIES
UP TO M.C. RIDGE

FOR OUR PROSPECTING TRIP
TO FOLLIES RIDGE & THE
CAN PROPERTY

RETURN TO CAMP

8: P.M.

No

DORSEY

Date

July 12, 01 Page 13

I VAN & I TRAVERSED TO
ECCLES RIDGE & THE OLD
CAN PROPERTY.

I STAKED M.C. CLAIM #1 & 2
July 12 AT 1:00 PM - 180° DEC 0

POST #1

POST #1

M.C. #1

M.C. #2

1500' L

1500' R.

1500' S.

1500' S

July 12, 2001

July 12, 2001

W. CANNELL

W. CANNELL

TIME

1:00 PM.

POST #2

POST #2

M.C. #1

M.C. #2

July 12, 2001

July 12, 2001

W. CANNELL

W. CANNELL

TIME

1:30 PM

No

DORSEY

Date

July 12, 2001 Page 14

I STAKED ECCLES #1 & 2
AT 4:30 PM. 285° DEC 0

POST #1

POST #1

ECCLES #1

ECCLES #2

1500' L

1500' R.

1500' W

1500' W.

July 12, 2001

July 12, 2001

W. CANNELL

W. CANNELL

TIME

4:30 PM.

POST #2

POST #2

ECCLES #1

ECCLES #2

July 12, 2001

July 12, 2001

W. CANNELL

W. CANNELL

TIME

5:00 PM

No

Date

DORSEY
July 12

Page

15

I STAKED SKARN #1 & 2
AT 6:30 PM

Post #1

SKARN #1

1500' L

1500' E.

July 12, 2001

W. CARROLL

TIME 6:30 PM.

Post #1

SKARN #2

1500' R

1500' E.

July 12, 2001

W. CARROLL

Post #2

SKARN #1

July 12, 2001

W. CARROLL

Post #2

SKARN #2

July 12, 2001

W. CARROLL

TOOK SAMPLE # OIR-127
FROM EAST END OF SKARN
RIDGE.

SAMPLE IS EPIDOTE SKARN WITH
MALACHITE, AZURITE, ROMNITE &
MAGNETITE.

No.

Date

DORSEY
July 13, 2001 Page 16

I STAKED THE J. C.
CARBONATE HOSTED ZINC-
COPPER - SILVER OCCURRENCE

J. C. CLAIMS #1 TO #4
STAKED AT 240° DEC 0

J. C. #1 & #2 - 1: PM

J. C. #3 & #4 2: PM

Post #1

J. C. #1

1500' L.

1500' W.

July 13, 2001

W. CARROLL

Post #1

J. C. #2

1500' R.

1500' W.

July 13, 2001

W. CARROLL

Post #2

J. C. #1

July 13, 2001

W. CARROLL

Post #2

J. C. #2

July 13, 2001

W. CARROLL

No
Date

DONSEY
July 13, 2001 Page 17

Post #1	Post #1
J.C. #3	J.C. #4
1500' L	1500' R
1500' W.	1500' W
July 13, 2001	July 13, 2001
W. CANNELL	W. CANNELL.

RETURN TO CAMP
8:1 P.M.

WEATHER: SHOWERS IN
MORNING &
BROKEN CLOUD
& SUNNY BREEZES
IN AFTERNOON

No
Date

DONSEY
July 14, 2001 Page 18

~~I RETURNED TO TOWN
TO RE-SUPPLY & RECONB.~~

~~I VAN & MORGAN STAYED
TO PROSPECT & TRENCH
ON M.C. #1 & #2.~~

FLIGHT CANCELLED

I VAN, MORGAN & I RETURNED
TO J.C. TO PROSPECT

I PHOTOGRAPHED THE SHOW-
INGS & RESAMPLED THE
SHELITE OUTCROP LAST GRABBED
AS OIR-119.

NEW SAMPLE IS OIR-129
FROM OUTCROP

SAMPLE OIR-128 WAS TAKEN
FROM OUTCROP WEST OF
CLAIM BLOCK. SAMPLE IS
CLORITIC WITH GALENA VEINING

No

Date

DONSKY
July 15, 2001

Page

19

RAIN DAY

LUCY THE BEAGLE PASSED
AWAY IN THE MORNING.

14 YEARS OLD. NOT BAD FOR
A HOUND DOG.

GAVE THE OLD BOY A REAL
VIKING FUNERAL, CREMATION
SHIP IN THE LAKE BESIDE
CAMP.

WEATHER DELAYS RETURN
TO TOWN.

WINDOW IN WEATHER LEAVE
FOR WHITEHORSE 7:30 PM.

No

Date

DONSKY
July 16, 2001.. Page 20

I REGISTER & RESUPPLY
IN TOWN.

MORGAN & IVAN PROSPECT
& SAMPLE SKANN #1 & #2

No

DORSEY

Date

JULY 17, 01 Page 21

I RETURN FROM TOWN
WITH SUPPLIES.

MONSOON MOVIES IN AT
11:30 AM.

RAIN DAY!

No

DORSEY

Date

JULY 18, 01 Page 22

MORGAN, I JAN & I SPEND
DAY CUTTING & SLASHING &
FLAGGING NEW ACCESS TRAIL
UP THE CREEK VALLEY,
NORTH OF CAMP.

THE RIGHT MARGIN OF THE
CREEK CANYON HAS A GENTLE
GRADE TO THE LAKE AT
THE HEAD OF THE CANYON.

BY OPENING UP THE OLD
PACK TRAIL WE WILL SAVE
SEVERAL MAN HOURS PER
DAY HIKING UP & DOWN.

WEATHER: DRIZZLING -
COOL

No

Donsley

Date

July 19, 01

Page

23

IUAN & MORGAN START
TRENCHING ON M.C. RIDGE.
I CARRY ON WITH CLEARING
OPERATION ON ACCESS TRAIL.

AT 3: PM I JOIN THE
TRENCHING CREW ON M.C.
RIDGE.

I PROSPECTED THE NORTH WEST
SLOPE OF THE RIDGE FOR
FLOAT. THERE ARE FOUR
AREAS OF HYDROTHERMAL
QUARTZ VEIN FLOAT SOUTH
WEST OF TRENCH LOCATION.

THE ONLY BERYL FLOAT
FOUND IS DIRECTLY DOWN
SLOPE FROM THE TRENCH.

RETURNED TO CAMP 7: PM

WEATHER: BROKEN CLOUD
WARM

No

Donsley

Date

July 20, 01

Page

24

IUAN & MORGAN WORK ON
TRENCH.

I WORK ON ACCESS TRAIL

I RETURN TO CAMP AT
5: PM

MORGAN & IUAN COME IN
AT 6:30 PM.

WEATHER: BROKEN CLOUD
WARM

No

DORSEY

Date

JULY 21, 01

Page

24

MORGAN & IVAN WORK ON
TRENCH.

I WORK ON TRAIL.

TRAIL OPEN TO LAKE
AT TOP OF CANYON AT
6: PM

TWO MORE DAYS SLASHING
TO TREE LINE ON M.C.
RIDGE.

WEATHER: SUNNY - WARM

No

DORSEY

Date

JULY 22, 01

Page

25

IVAN & MORGAN WORK
ON TRENCH.

I WORK ON CLEANING
TRAIL.

RETURN TO CAMP 5: PM

WEATHER: CLOUDY - COOL
RAIN 6:20 PM

No

Date

DORSEY

JULY 23, 01

Page

26

RAIN!

No

Date

DORSEY

JULY 24, 01.

Page

27

I JUAN & MORGAN WORK
ON TRENCH.

I FINISH CUTTING &
FLAGGING TRAIL TO TREE
LINE.

I JOIN JUAN & MORGAN
AT TRENCH; SET UP
SCREENING BOX ON TRIPOD.

PROSPECT EAST SLOPE OF
M.C. RIDGE. TO VALLEY
FLOOR.

SOME QUARTZ VEIN IN
FLOAT NO BENYL.

RETURN TO CAMP 7:15

WEATHER CLOUDY - COOL
RAIN 10: PM.

No

DONSEY

Date

JULY 25, 01

Page

28

RAIN

No

DONSEY

Date

JULY 26, 01

Page

29

RAIN

No

DONSEY

Date

JULY 27, 01 Page 30

I VAN & MORGAN DIG IN
TRENCH & SCREEN TRENCH
MATERIAL

I FLAG & SLASH A
TRAIL UP THE VALLEY FLOOR
TO THE BASE OF SCANN
RIDGE.

I FLAG & CUT TRAIL
TO TREE LINE FROM VALLEY
FLOOR ON SOUTH SIDE OF
SCANN RIDGE.

RETURN TO CAMP
6: P.M.

WEATHER: BROKEN CLOUD;
WARM.

No

DONSEY

Date

JULY 28, 01 Page 31

I VAN WORKS ON TRENCH.

MORGAN & I SAMPLE
SCANN RIDGE.

I PROSPECTED EGGLE'S
RIDGE; NO SAMPLES.

MORGAN & I BROUGHT
BACK SIX SAMPLE BAGS
OF BROWN & LIGHT GREEN
GARNETITE. ABOUT 10%
OF THE GARNETS ARE
LARGE & WELL FORMED.

RETURNED TO CAMP
7:30 P.M.

WEATHER SUNNY, WARM IN
MORNING; SHOWERS
4:30 P.M.

No

Date

DORSEY
JULY 29, 01

Page 32

RAIN

No

Date

DORSEY
JULY 30, 01

Page 33

I VAN, MORGAN & I
WORKED IN THE TRENCH
ON M. C. RIDGE.

THE TRENCH WAS COMPLETED
TO A LENGTH OF 54 FEET
BY 3 FEET WIDE; TO A
DEPTH OF 5 FEET.

A VERTICAL VEIN ON DIKE
OF QUARTZ & BERYL & ON
WEATHERED SULFIDES OUTCROPS
NEAR THE SOUTH WEST END
OF THE TRENCH.

WE WORKED DOWN SLOPE
TO THE WEST ON THE VEIN
FOR A LENGTH OF 10 FEET.

MANY LARGE CLUSTERS OF
INTER LOCKED COMMON BERYL
CRYSTALS WERE RECOVERED
IN THE VEIN & IN FLOAT.

No

Date

DONSEY
July 30, 01 Page 34

THE BERYL CRYSTALS RANGE
IN SIZE TO SEVERAL INCHES
IN LENGTH & DIAMETER.

THE CRYSTALS ARE HIGHLY
FRACTURED & LIMONITICALLY
STAINED. THE COLOR IS
LIGHT GREEN TO LIGHT BLUE

THREE FRACTURED CRYSTALS
OF TRANSPARENT BLUE &
COLORLESS BERYL WERE
FOUND IN THE CLUSTERS.

ONE PERFECTLY FORMED HEX-
AGON CRYSTAL RECOVERED
IN SCREEN.

RETURN TO CAMP 8: PM.

WEATHER: SUNNY & WARM

No

Date

DONSEY
July 31, 01 Page 35

IUAN MORGAN & I
SAMPLED SCAM RIDGE.

MORGAN FOUND A GLASSY
PURPLE MINERAL IN CALCITE
VEINING IN THE GARNETTIE,
ON THE NORTH EAST SIDE
OF SCAM RIDGE, AT THE
TOP OF THE RIDGE.

MORGAN & IUAN BROUGHT
SEVERAL BAGS OF LARGE
PIECES OF GARNETTIE.

I SAMPLED A BAG OF
THE PURPLE MINERAL.

RETURN TO CAMP 7:30 PM.

WEATHER: SUNNY & WARM

No
Date

DORSEY
Aug 3 2001

Page

I VAN, STEVE & I
TRAVERSED TO M. C. RIDGE

TRAVERSED WEST TO J.C.

TOOK SAMPLE DIR/130 FROM
SCREEN

No
Date

Page

No
Date

Page

No
Date

Spice Aug. 11/62 Page

Pitting soil sample sites

350w / 100S

→ Frozen clay and gravel
will let thaw

250w / 100S

— Dry, gravel filled sand

with greenish-grey clay

below, followed by greenish
schist with stony limestone
stem = weathered bedrock

Took sample OIR 102
of broken bedrock 1m deep
in pit.

050w / 050S Inconclusive!

No
Date

Page

No.
Date

Page

263 BL

173 The Cross line

353

Pit 173W / 04665

Just upslope from 01R115

Took sample 01R103(S) from
bottom of 2m pit off of
Subcrop/etc.

Pit 118.5W / 0215

2m deep pit to Subcrop and
blue green alteration weathering of
conglomerate. Sample 01R104(S)

No.
Date

Page

Pit 360W/130S

Fls. re soil around 350W/100S
Fls. re local. 1 1/2 m deep
green green clay/gravel containing
large clay to sub-angular quartzites
with minor siltites.

Top - a selection of claston
bottom of trench.

Sample OIR105(S)

Pit 038W/100S

1.5-2m deep pit in impurely
stained quartzite. Very
weathered bedrock, black
mudstone.

Sample OIR106(S)

No.
Date

Page

Pit 140W/135S

Lg pit in very impurely
stained quartzite. Pit
terminated in broken
angular bedrock of silicified
quartzite with black coating on
fractures. Sample OIR107(S)
From half way down in pit.
Sample OIR108(S) from bottom
of pit.

**EVALUATION REPORT
ON THE
SPICE PROPERTY
(SPICE 1- 10 QUARTZ MINING CLAIMS)**

Ross River Area

NTS 105 G 13
61 59' 30" N Lat., 131 56' 30" W Long.
Watson Lake Mining Division
Yukon, Canada

PREPARED FOR:
TANANA EXPLORATION INC
c/o 214 Alsek Rd.
Whitehorse, Yukon
Y1A 5A8

BY:
STEVE TRAYNOR, B.Sc. (Honours, Geology)

September 2001

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INTRODUCTION

This report details exploration activities carried out during the 2001 field season on the Spice property. Detailed soil geochemical sampling, prospecting and followup sampling facilitated by hand trenching was carried out as detailed investigation of highly anomalous results obtained by Jeff Bond of the Yukon Geology Program (see Bond, 2000) subsequent to ground acquisition in February 2001. The program successfully expanded the area of anomalous response, but failed to delineate a bedrock source.

PROPERTY LOCATION AND ACCESS

The Spice claims are located 28 kilometers east of Ross River, Yukon (see Figure 1), in the Watson Lake Mining District as shown on Claim Map Sheet 105 G 13. The property is located on the Pelly Plateau northeast of the Tintina Trench between the Ross and Pelly Rivers.

The property is accessible via a short flight from Ross River by helicopter, which is the preferred method of access due to the lack of availability of float equipped aircraft in the area.

PROPERTY DESCRIPTION

The property consists of 10 contiguous quartz mineral claims, as shown in Figure 2 and listed in the table below. The Spice 1 – 10 claims were staked in February 2001, the author has inspected and supervised the maintenance of the claim posts and claim lines, which are all in good order. Tanana Exploration Inc. of Whitehorse, Yukon currently holds a 2/3 interest in the property.

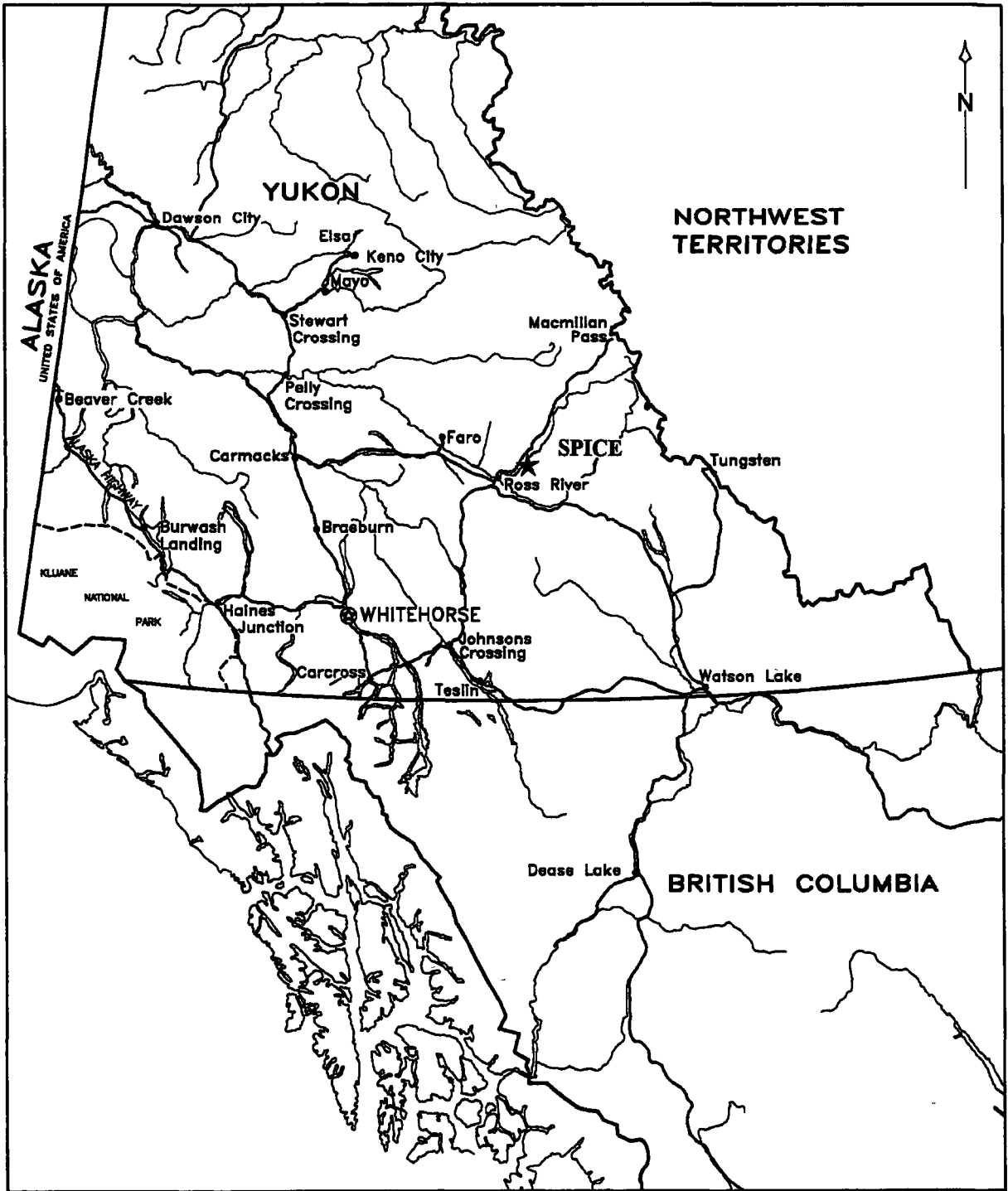
Claim Data

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date</u> (*in process)
SPICE 1 - 10	YB93156 – YB93165	Dec. 31, 2005*

The claims are located in an area of subdued topography predominated by widespread glaciofluvial deposits of sand and silt. Situated on and to the west of a small unnamed lake in the area the claims lie between 2500 and 2600 feet. Alders, willows and aspen predominate the area with an occasional stand of small spruce interspersed.

PREVIOUS WORK AND EXPLORATION

Originally identified from a highly anomalous sample collected by Bond (2000) during the course of a regional till sampling program during the 2000 field season the area has apparently seen



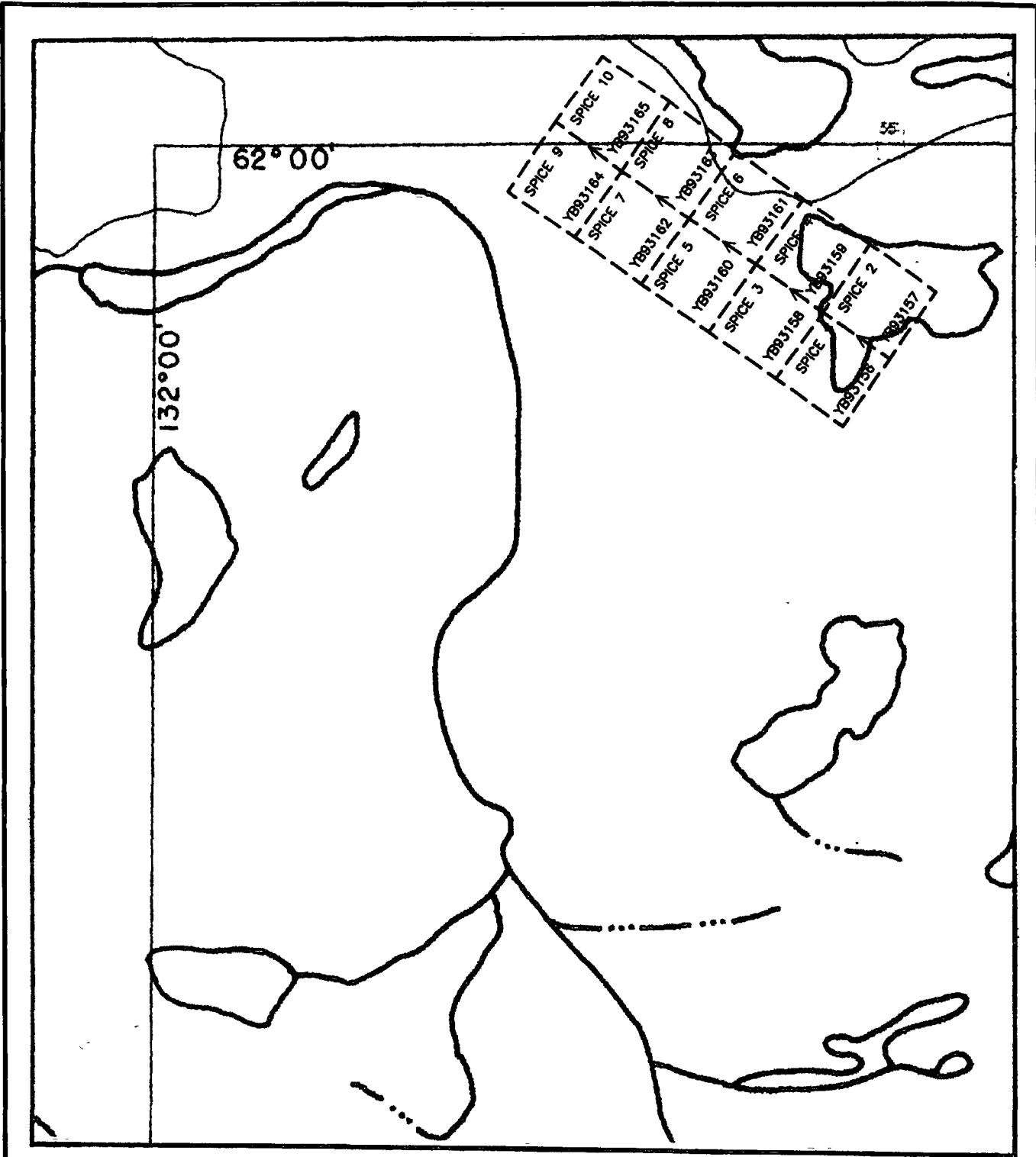
Lambert Conformal Conic Projection
with Standard Parallels at 48°N and 77°N



SPICE PROPERTY Location Map

Steve Traynor, Geologist

SCALE: 1 : 6,000,000	FILE: BC98_3	DATE: 98.12.15
NTS:	DRAWN: SDT	FIGURE 1



LEGEND

- Elevation Contour
Interval (100 feet)
- Stream, creek
- - - - Access road
- - - - Claim group boundary
- - - - Claim line



SPICE PROPERTY Claim Map		
<i>Steve Traynor, Geologist</i>		
SCALE: 1 : 30,000	FILE: WC98_6	DATE: 98.12.08
NTS: 105G/13	DRAWN: SDT	FIGURE 2

limited to no exploration activity as reported by the Yukon Minfile due to the widespread Quaternary cover that predominates the region. An area to the north of the property was explored by airborne surveying in the late 1970's with limited ground followup. Cominco explored to the east in 1994 following up a number of conductors identified during a regional airborne geophysical survey, but after limited ground followup they concluded that the conductors likely reflected slices of carbonaceous sediments in an area that lacked any indication of felsic volcanic rock (MacRobbie (1995)).

Bond completed surficial mapping and till geochemistry across the region in 2000 collecting and analysing 175 till samples, of which sample JB00-155 collected in an area now covered by the Spice #4 claim returned the highest values for Au (28.9 ppb), As (484.5 ppm), Sb (151.37 ppm), Hg (21,020 ppm), Tl (1 ppm) and Ag (1,374 ppm). The elements that form the anomaly at this sample site are considered pathfinders for epithermal gold mineralization in which As, Sb, Hg and Tl surround and overlie a Au ore-bearing zone. Bond (personal communication) suggests that the source of the anomaly is "either from a small valley that drains into the lake from the west, or possibly at depth beneath the peninsula.

REGIONAL AND PROPERTY GEOLOGY

Rocks underlying this part of the Yukon have been assigned to the Yukon-Tanana and the Slide Mountain Terranes. Outcrop in the area is severely limited with moderate to deep Quaternary cover obscuring most of the area. In the immediate vicinity of the property the upper sequence of the YTT rocks are exposed to the SW and comprise mostly Pennsylvanian black shales with minor quartzites, these rocks are apparently overlain by an overlap sequence of laterally extensive conglomeritic unit of Triassic to Permian age (D. Murphy, personal communication). This overlap sequence was likely formed along a subduction zone that is expressed in a subhorizontal to moderately N to NE penetrative ductile deformation fabric. All rocks in the area show signs of the effects of later thrust faulting during the formation of the Finlayson Lake Thrust Fault Zone which parallels the earlier formed Tintuna Trench.

High level porphyritic felsic volcanics were detected along the southern boundary of the property and these may be associated with the Permian basalts that are reported to occur to the E-SE of the area and may have provided the heat source needed to drive the inferred epithermal system in the area..

The brittle host provided by the previously mentioned conglomerate unit shows the type of structural preparation necessary for the formation of this deposit type. The unit has been strongly

silicified and contains moderate amounts of disseminated sulfides including pyrite, arsenopyrite (?) and stibnite.

DESCRIPTION AND SUMMARY OF WORK

During the 2001 season a total of 16 man days were spent sampling and prospecting the Spice property. From June 14 to June 17, Wade Carrell and Ivan Elash completed soil sampling and prospecting and were joined during this time by Jeff Bond and Don Murphy of the Yukon Geology program who also completed sampling (as followup to the 2000 season, Bond) and geological mapping (continuation of ongoing regional work, Murphy). Followup of the sampling completed by Tanana personnel was carried out from August 11 to August 13 and included hand pitting, trenching and sampling of areas of anomalous response identified during earlier efforts described above. Limited prospecting of the western end of the claim block was also completed at this time. Wade Carrell, Steve Traynor and Ivan Elash were involved in this phase of the exploration and development of the property.

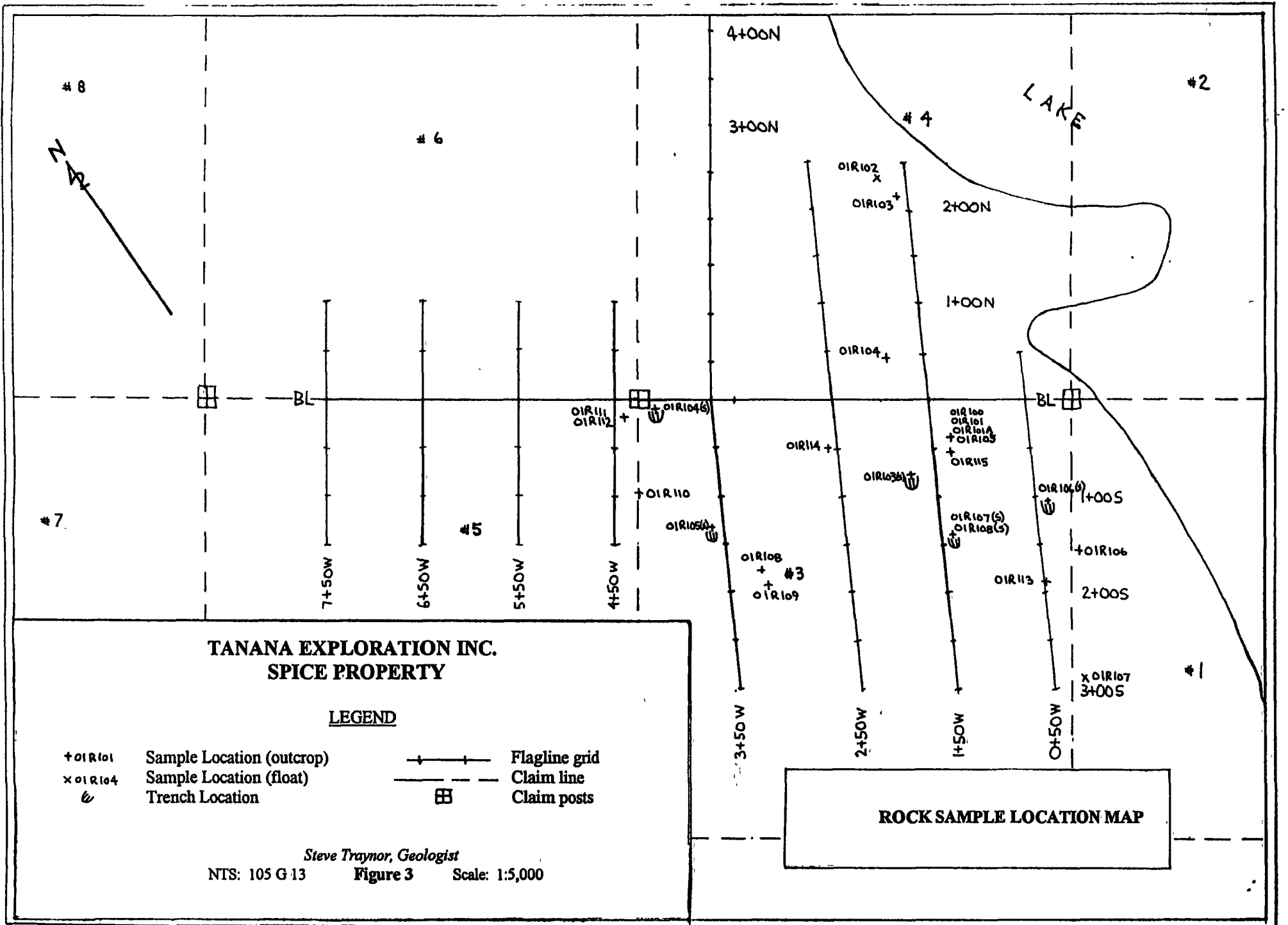
ANALYSIS AND RESULTS

A total of 24 rock samples and 33 soil/silt samples were collected during the course of this seasons exploration efforts. Data for the rock samples is presented in Figure 3 and in Appendices 1 and 2, while data for the soil/silt samples is presented in Figures 4, 5, 6, 7 and Appendix 2.

Rock samples were analyzed for Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Hg, Fe, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti, Zr and S by ICP and Au by Fire Assay/AA at Bondar Clegg in Vancouver, B.C.

Soil samples, consisting of 1g of -80mesh, were analyzed for Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, B, Al, Na, K, W, Sc, Tl, S, Hg, Se, Te, Ga, by ICP/ES & MS at Acme Analytical Laboratories in Vancouver, B.C.

Statistical analysis of the soil results and plotting of the resulting data indicates a strongly anomalous linear trend between 1+00S and 1+00N that apparently parallels the baseline established in the area. Anomalous samples are those determined to be in the 80th percentile or above of the data set. The elements chosen for plotting include gold (Au), arsenic (As), antimony (Sb) and mercury (Hg). These elements are seen to show coincident anomalies in most cases. Of note though is the fact that data obtained



**TANANA EXPLORATION INC.
SPICE PROPERTY**

LEGEND

- | | | | |
|----------|---------------------------|---------|---------------|
| + OIR101 | Sample Location (outcrop) | —+—+— | Flagline grid |
| x OIR104 | Sample Location (float) | — — — — | Claim line |
| u | Trench Location | ⊠ | Claim posts |

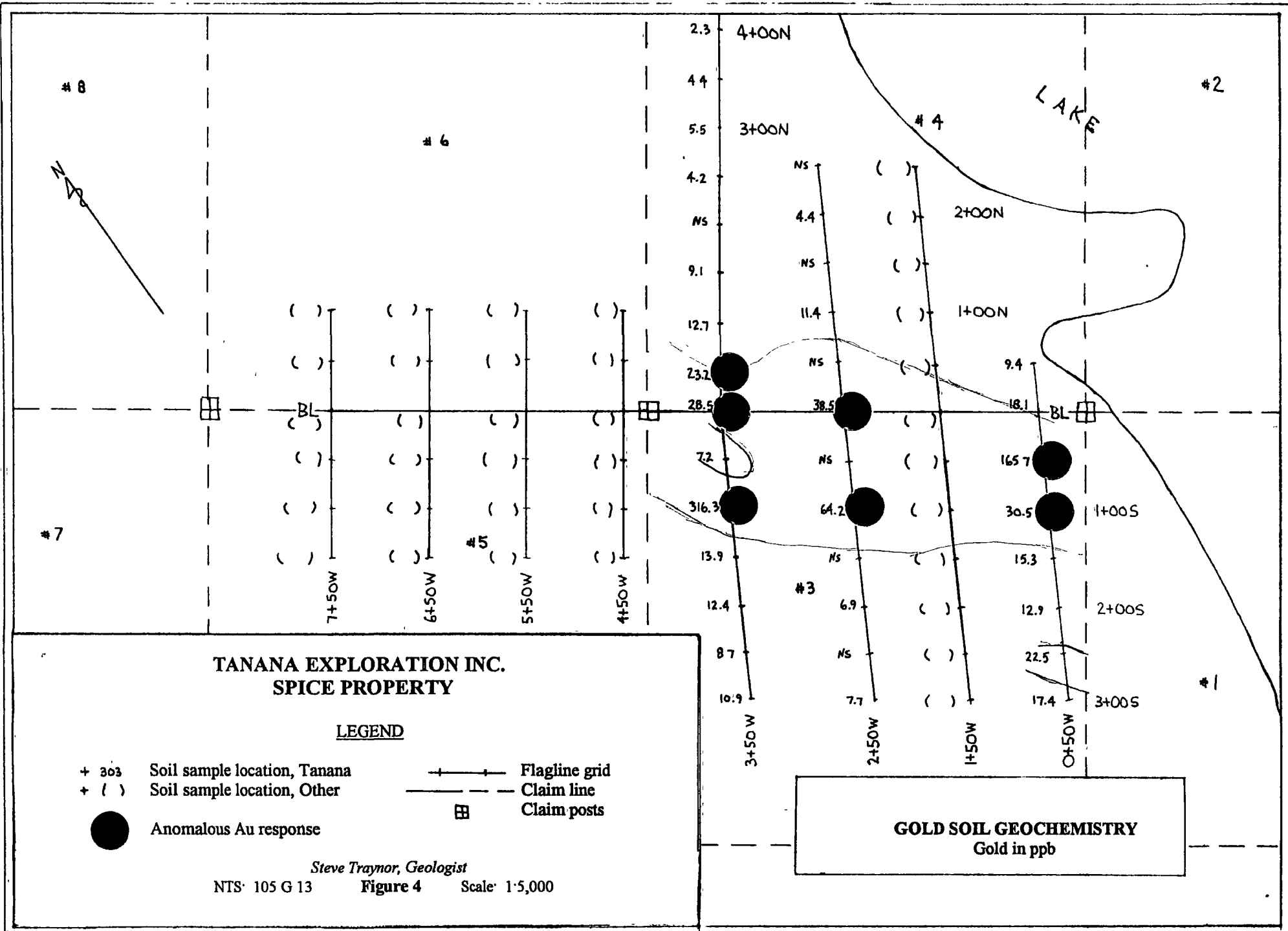
Steve Traynor, Geologist

NTS: 105 G 13

Figure 3

Scale: 1:5,000

ROCK SAMPLE LOCATION MAP



**TANANA EXPLORATION INC.
SPICE PROPERTY**

LEGEND

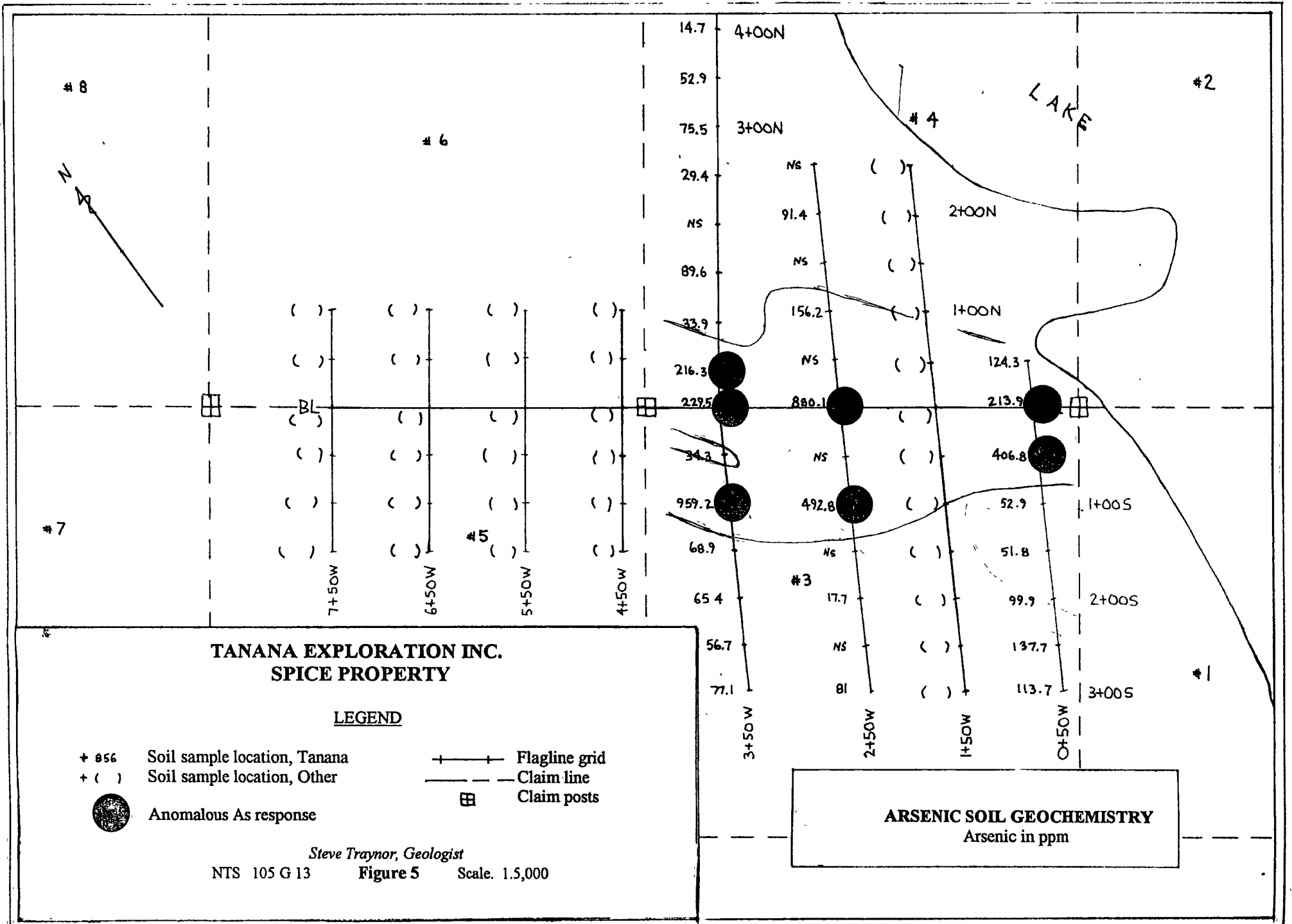
- + 303 Soil sample location, Tanana
- + () Soil sample location, Other
- Anomalous Au response
- +—+— Flagline grid
- - - Claim line
- ⊠ Claim posts

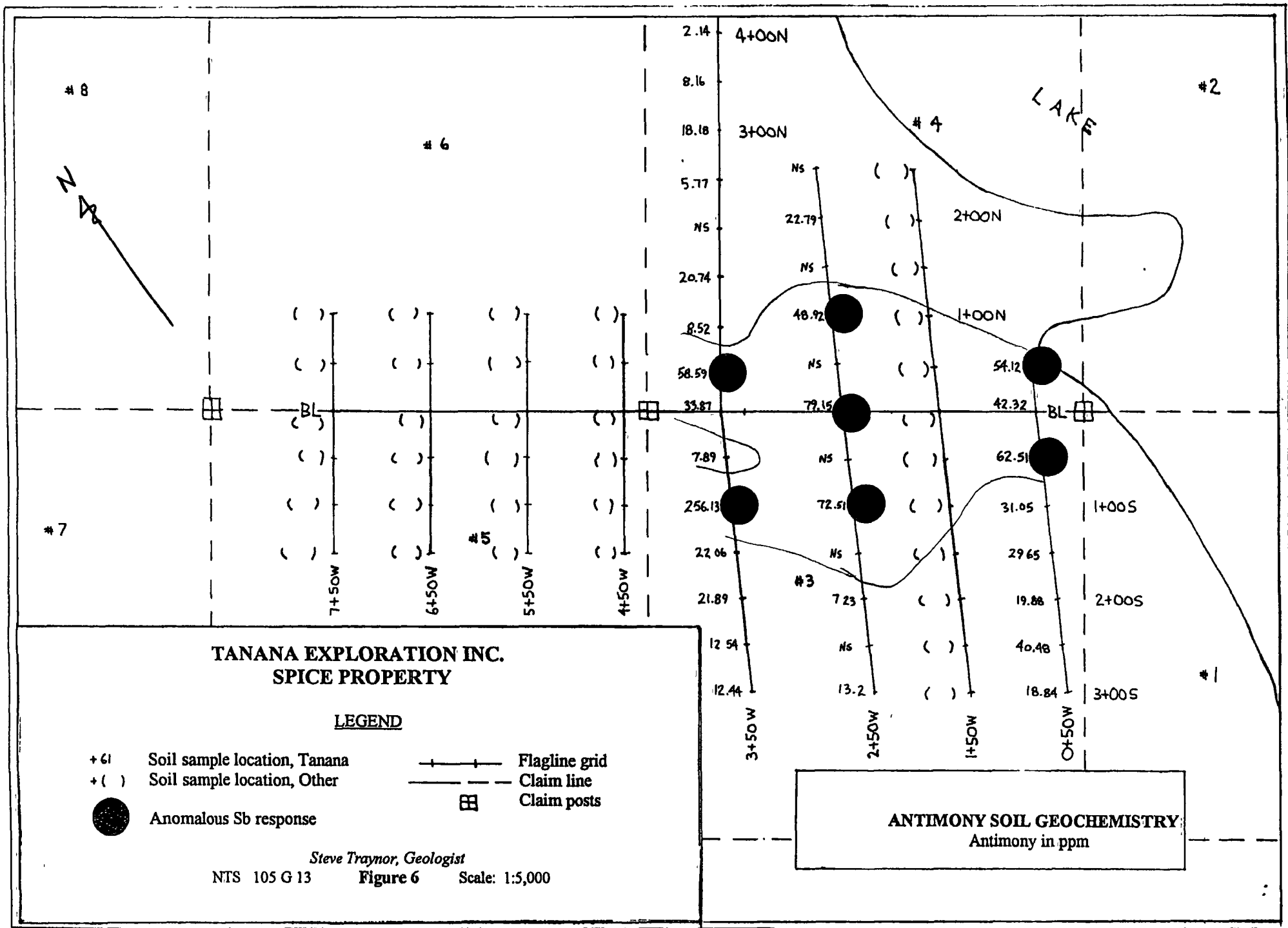
Steve Traynor, Geologist

NTS- 105 G 13 Figure 4 Scale: 1:5,000

GOLD SOIL GEOCHEMISTRY
Gold in ppb

Flagline	Sample ID	Value (ppb)	Notes
4+00N	2.3	2.3	
4+00N	4.4	4.4	
3+00N	5.5	5.5	
3+00N	4.2	4.2	NS
3+00N	NS	NS	
3+00N	9.1	9.1	NS
3+00N	12.7	12.7	
3+00N	23.2	23.2	Anomalous Au response
3+00N	28.5	28.5	Anomalous Au response
3+00N	7.2	7.2	
3+00N	316.3	316.3	Anomalous Au response
3+00N	13.9	13.9	NS
3+00N	12.4	12.4	
3+00N	8.7	8.7	NS
3+00N	10.9	10.9	
2+00N	4.4	4.4	
2+00N	11.4	11.4	
2+00N	NS	NS	
2+00N	38.5	38.5	Anomalous Au response
2+00N	NS	NS	
2+00N	64.2	64.2	Anomalous Au response
2+00N	6.9	6.9	
2+00N	7.7	7.7	
1+00N	1+00N		
1+00N	9.4	9.4	
1+00N	18.1	18.1	
1+00S	165.7	165.7	Anomalous Au response
1+00S	30.5	30.5	Anomalous Au response
1+00S	15.3	15.3	
2+00S	12.9	12.9	
2+00S	22.5	22.5	
3+00S	17.4	17.4	

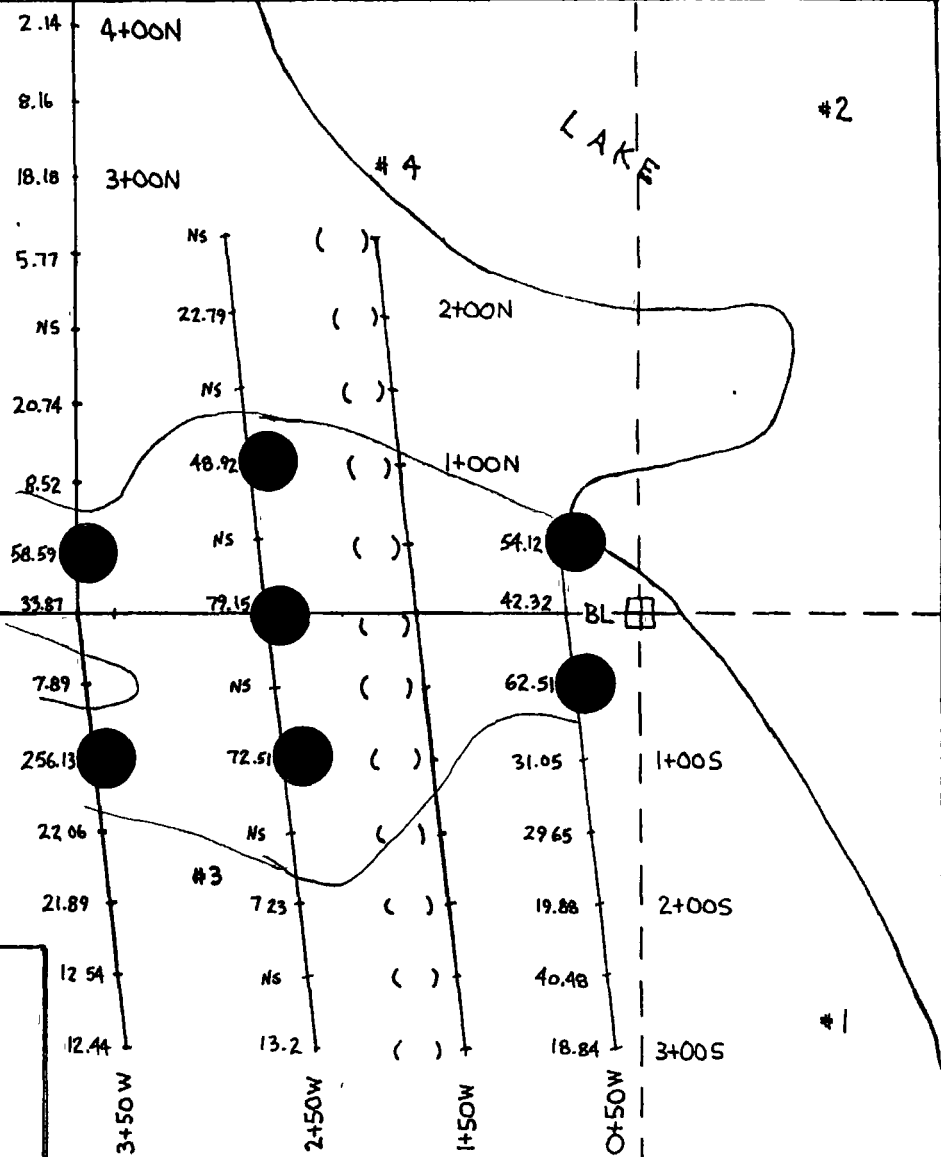
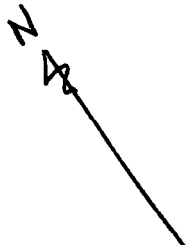




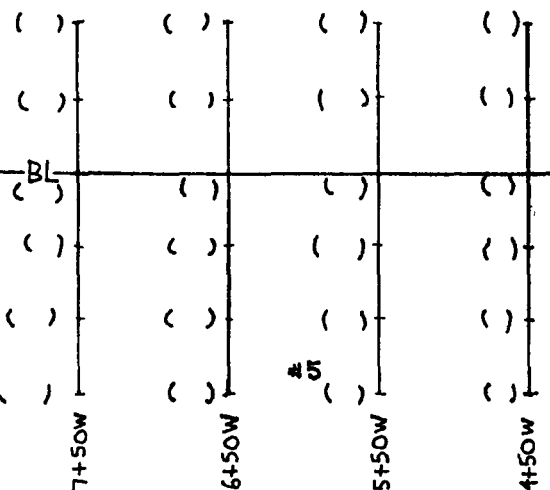
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6

2



LAKE

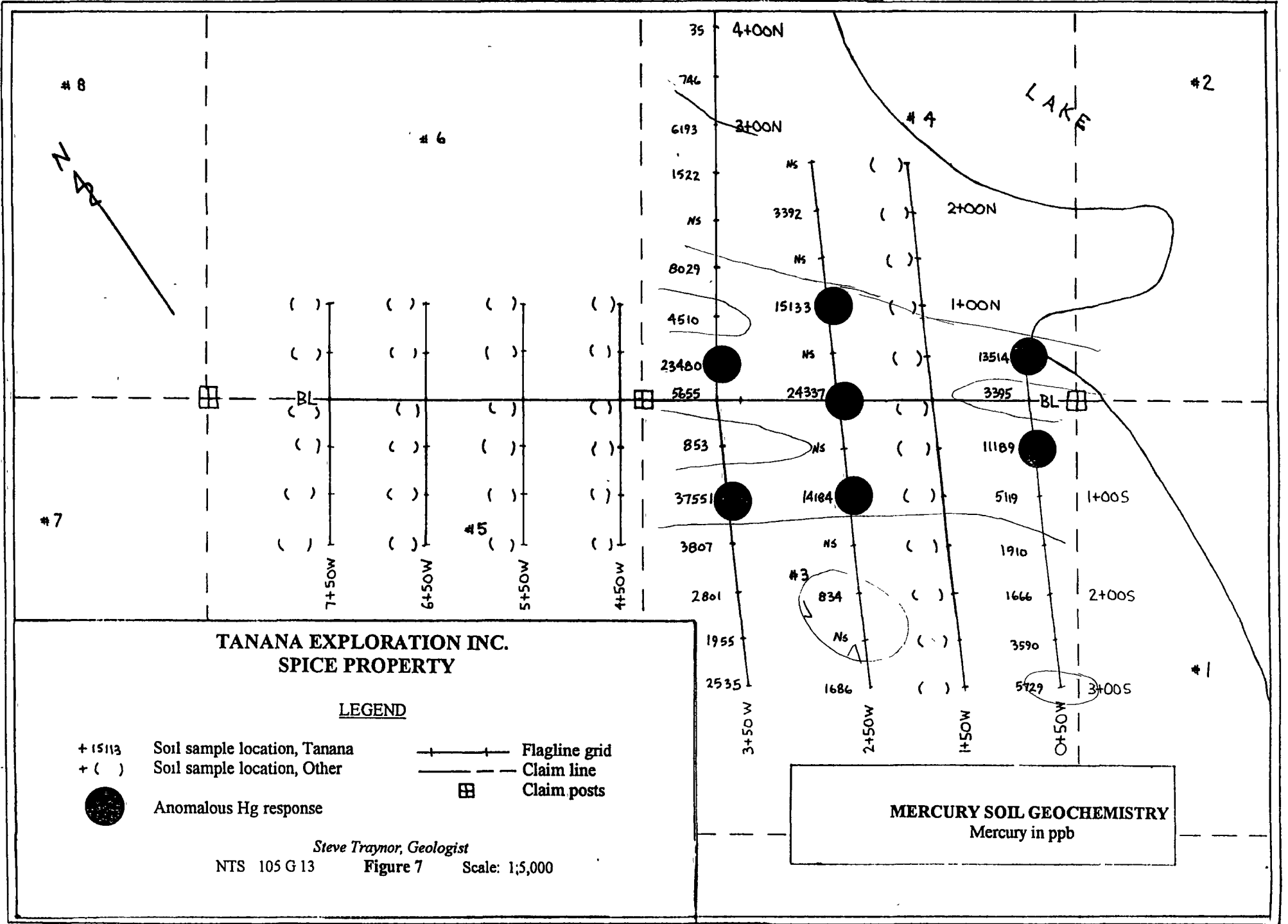


7

5

3

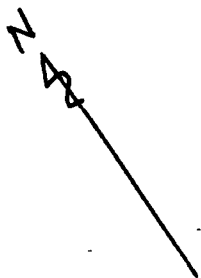
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8

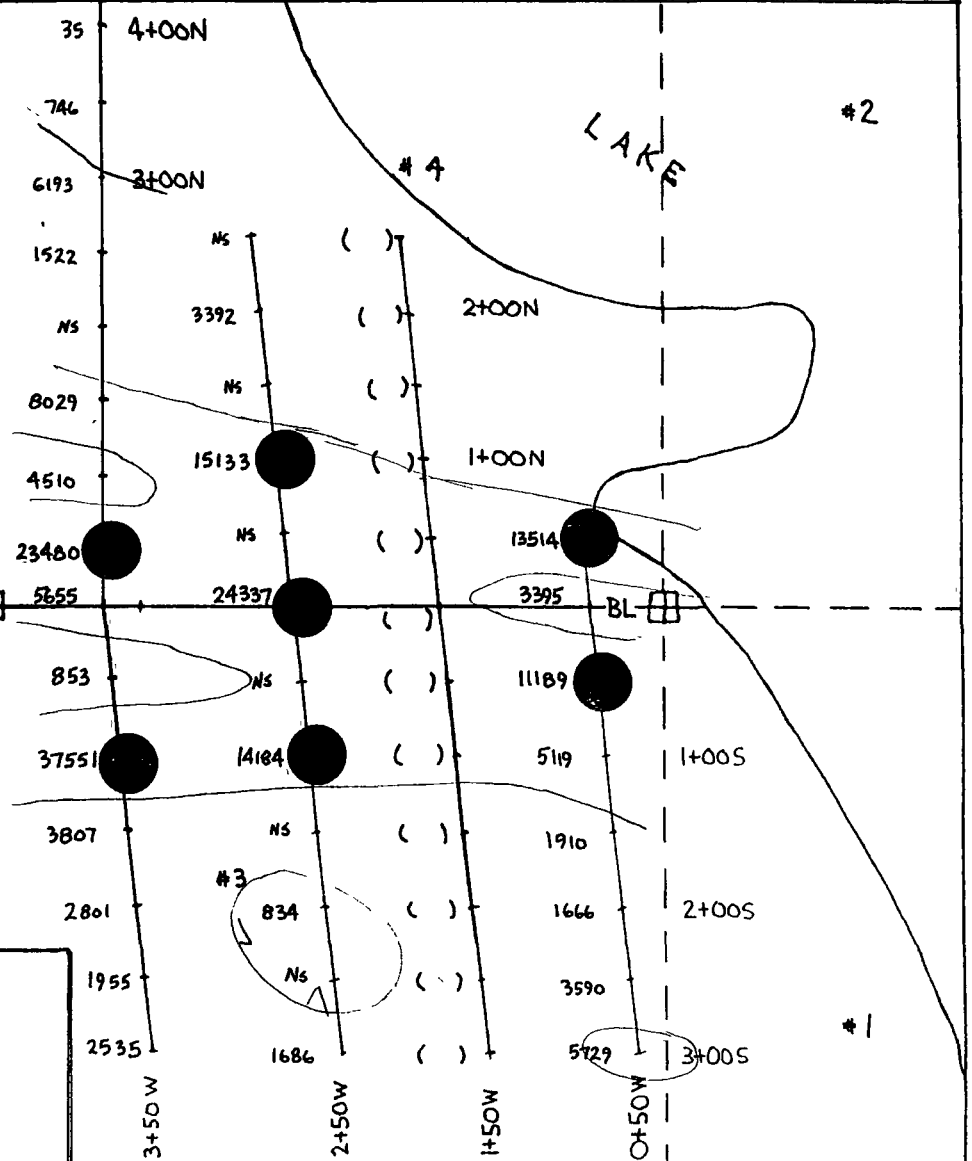
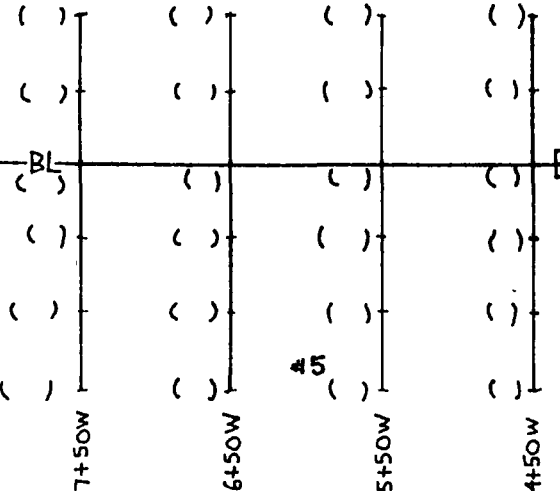
6

2



LAKE

7



**TANANA EXPLORATION INC.
SPICE PROPERTY**

LEGEND

- + 15113 Soil sample location, Tanana
- + () Soil sample location, Other
- Anomalous Hg response
- +—+— Flagline grid
- Claim line
- ⊠ Claim posts

Steve Traynor, Geologist
NTS 105 G 13 Figure 7 Scale: 1:5,000

MERCURY SOIL GEOCHEMISTRY
Mercury in ppb

during the collection of the samples shows that the anomalous results are all from samples that had a high clay content, suggesting that clay in the area may be concentrating the anomalies. It was not immediately evident whether the clay was a weathering product or is of Quaternary origin

Analysis of the rock samples obtained during the followup phase from hand pits and trenches returned values that were disappointingly low and did little to explain the anomalies indicated during the soil sampling phase of the program. In fact, except for mercury the rock results were barely above the expected background for the area.

CONCLUSIONS AND RECOMMENDATIONS

Soil geochemical sampling resulted in the identification of a number of promising anomalies that subsequent followup failed to locate a bedrock source for. It is possible that further independent analysis of additional data collected by Jeff Bond, which will include analysis of different size fractions, sample sizes and sample compositions may provide additional insight into the source of these anomalies and/or indicate another course of followup for the area.

At the present time, the lack of positive response from bedrock sampling combined with the difficulties in obtaining additional bedrock samples due to the depth and extent of the Quaternary cover in the area, precludes any further work on the property. The property will be held in inventory until such time that another course of followup is indicated and/or until gold prices increase to a level necessary to provide for a more positive risk/reward analysis.

REFERENCES

- Bond, J.D., 2000: Surficial geology and till geochemistry of Weasel Lake map area (105G/13), east-central Yukon, Yukon Exploration and Geology 2000, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada.
- DIAND, 1993 Yukon Minfile, Exploration and Geological Services Division, Whitehorse, Indian and Northern Affairs, Canada.
- MacRobbie, P.A., 1995: 1994 Assessment Report-Neck and Pin Properties-Soil Geochemistry and Geological Mapping, for Cominco Ltd., April 1995, Mineral Assessment Report # 093341.

GEOLOGISTS'S CERTIFICATE

I, Steve Traynor, of 214 Alsek Road, Whitehorse , in the Territory of the Yukon,
DO HEREBY CERTIFY:

1. THAT I am a Geologist practising my profession in Whitehorse, Yukon.
2. THAT I am a graduate of Queen's University (1982), Kingston, Ontario with a B Sc. (Honours) degree in Geology.
3. THAT I have been engaged in mineral exploration for fifteen years in the Yukon, Manitoba, Ontario and Quebec.
4. THAT this report is based on work that I completed and/or supervised during the period from June 14th to June 17th and August 11th to August 13th , 2001 on the Spice property.

SIGNED at Whitehorse, Yukon Territory, this _____ day of _____, 2001.

Steve Traynor, B.Sc.

APPENDIX A

ROCK SAMPLE REPORT

TANANA EXPLORATION INC. – Rock Sample Report

Property SPICE Location 105 G 13

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION
01R100	130W/045S	Highly silicified brecciated conglomerate showing minor sericite alteration and possibly fine grained arsenopyrite.
01R101	130W/045S	Highly silicified, greyish black sandstone with up to 15% fine grained fragments of other volcanic and sed. lithologies
01R101A	130W/045S	Fine grained, silicified sandstone(?).
01R102	177W/240N	Float of sheared and silicified conglomerate.
01R103	160W/220N	Sheared conglomerate containing large clasts of micaceous quartzite and pure quartz.
01R104	187W/050N	Same as 103, but less matrix and more clasts.
01R105	130W/045S	Same as 103.
01R106	043W/154S	Whitish grey, silicified almost pure quartzite
01R107	015W/300S	Float of carbonaceous argillite.
01R108	316W/176S	Same as 106, except shows signs of shearing.
01R109	310W/190S	Greyish, heavily silicified quartzite with grey-brown sulfides shot throughout
01R110	425W/092S	Greyish, fractured quartzite that is heavily silicified and contains abundant very fine grained pyrite.
01R111	~440W/15S	Same as 103.
01R112	~440W/15S	Same as 103, except larger clasts and more silicified/sheared
01R113	050W/184S	Same as 106, very limonitically stained.
01R114	258W/047S	Sheared blackish quartzite that has been hornfelsed Shows very brittle deformation.
01R115	~135W/050S	Same as 107.
<i>01R103(S)</i>	173W/066S	Black, heavily sheared, fine grained micaceous quartzite that appears to highly carbonaceous.
<i>01R104(S)</i>	418.5W/021S	Greyish quartz-mica schist showing formation of abundant sericite
<i>01R105(S)</i>	360W/130S	Quartzite with minor sulfides.
<i>01R106(S)</i>	038W/100S	Black shaly quartzite.
<i>01R107(S)</i>	140W/135S	Silicified and fractured quartzite, abundantly fractured with with blackish filling on fractures
<i>01R108(S)</i>	140W/135S	Silicified and fractured quartzite, abundantly fractured with with blackish filling on fractures

*Sample numbering sequence was duplicated in error and will be differentiated from previous samples by the addition of (S) to the sample number. Analytical result numbering has been amended to correspond.

APPENDIX B
CERTIFICATES
OF
ANALYSIS

(ISO 9002 Accredited Co.)



GEOCHEMICAL ANALYSIS CERTIFICATE

Tanana Exploration Inc. PROJECT SPICE File # A101942
214 AIsak Road, Whitehorse YT Y1A 5A8 Submitted by: Steve Traynor

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Tl	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	
	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
350W 650N	2 57	44 89	13 21	158 4	347	84 6	26 7	478 2	73 15	8	3 5	4 5	77 6	78	4 53	15	43 1	24	142 11	7 38	0 1	02 568	4 012	<1	70 029	10 <2	1 9	17 01	256	7	04	2 6						
350W 550N	2 74	62 30	21 16	163 9	491	107 1	16 5	593 4	04 21	0	1 0	3 8	2 8	46 5	61	3 86	17	62	56 098	18 9	56 3	70 526	0 012	<1	85 012	09 <2	5 7	16 02	213	1 3	03	3 0						
350W 500N	2 14	22 00	13 96	99 7	118	43 2	8 5	177 2	91 16	2	4	9 2	5 16	3 51	2 20	14	46	12 065	11 5	26 5	37 282	5 011	<1	76 006	08 <2	1 6	09 01	26	8	03	3 0							
350W 450N	2 76	49 55	17 17	121 0	101	81 6	11 1	313 3	15 26	2	8	2 3	4 8	27 4	41	4 03	17	48	18 081	14 3	45 8	43 373	9 008	<1	76 004	09 <2	3 0	16 01	78	1 3	03	2 4						
350W 400N	2 08	20 46	16 71	165 6	139	36 9	14 5	858 2	83 14	7	5	2 3	3 4	32 2	1 41	2 14	17	46	30 132	12 6	29 7	33 379	4 011	<1	68 007	11 <2	2 2	09 <0	1	35	8	03	2 9					
350W 350N	2 49	33 67	34 22	93 1	263	52 0	10 0	634 3	00 52	9	9	4 4	5 8	27 8	36	8 16	20	35	20 048	19 6	31 9	27 392	4 008	<1	66 008	13 <2	2 9	21 02	746	9	04	2 4						
350W 300N	2 43	63 44	23 49	136 4	370	74 1	22 5	963 2	64 75	5	1 1	5 5	4 8	67 9	85	18 18	19	29	1 06	103 10	1 28	8	63 607	5 009	<1	54 025	10 <2	1 4	33 04	6193	1 4	05	2 0					
350W 250N	2 66	44 44	15 78	106 5	325	70 5	23 0	492 2	49 29	4	8	4 2	6 4	100 6	75	5 77	21	43	2 72	075 7	3 44	3	85 906	3 011	<1	92 035	13 <2	1 6	18 04	1522	1 9	04	3 1					
350W 150N	2 66	38 54	16 80	80 1	270	132 6	22 7	1086 2	64 89	6	2 5	9 1	4 2	28 5	25 20	74	22	35	21 043	5 5	51 4	37 872	2 006	<1	82 025	09 3	2 4	30 02	8029	1 3	04	3 0						
350W 100N	2 11	57 08	12 68	80 5	405	66 8	19 1	896 2	74 33	9	1 2	12 7	6 6	32 1	09	8 52	18	51	38 051	8 0	51 4	69 767	9 026	<1	1 16	020	11 <2	6 0	22 <0	1	4510	9	04	3 9				
350W 050N	2 58	49 21	22 52	122 7	668	98 5	13 0	350 2	93 216	3	1 4	23 2	7 7	57 6	31	58 59	28	29	32 082	6 0	37 8	29 770	8 004	<1	60 018	12 <2	3 1	71 07	23480	1 2	05	2 3						
RE 350W 050N	2 67	49 20	23 35	121 6	682	98 4	13 7	352 2	94 221	4	1 5	25 5	8 2	61 2	30	60 61	29	30	32 082	6 0	34 2	29 772	9 004	<1	60 018	12 <2	3 2	74 08	22185	1 2	05	2 3						
350W 000	2 73	44 22	21 03	175 8	472	73 0	34 7	517 2	93 229	5	3 3	28 5	5 5	71 0	44	33 87	30	29	32 102	6 5	23 3	33 807	0 007	<1	95 019	12 <2	3 0	54 10	5655	3 3	04	2 7						
350W 050S	1 71	40 66	12 98	146 6	297	70 2	8 8	370 1	78 34	3	1 3	7 2	3 0	54 1	1 00	7 89	16	23	57 107	13 9	19 0	39 510	6 013	<1	67 023	10 2	1 7	14 03	853	1 3	02	2 1						
350W 100S	7 00	133 22	84 25	117 5	3762	54 8	26 9	1043 6	71 959	2	5 3	316 3	6 6	120 3	1 26	256 13	73	42	90 177	7 9	30 9	21 629	5 003	<1	1 09	032	24 <2	3 1	2 00	37 37551	8 0	11	4 0					
350W 150S	2 22	22 84	22 19	38 9	285	26 0	2 8	82 1	68 68	9	6	13 9	5 5	26 7	18	22 06	20	20	05 032	14 1	12 1	07 306	3 002	<1	57 009	10 <2	2 8	41 01	3807	1 4	03	2 0						
350W 200S	2 89	51 50	17 44	61 4	396	18 5	1 4	67 3	26 65	4	7	12 4	5 3	16 8	12	21 89	22	25	03 068	12 9	15 8	03 236	0 002	<1	51 001	10 <2	1 0	17 01	2801	1 8	05	1 5						
350W 250S	3 15	40 92	22 52	74 8	291	36 4	3 5	246 2	85 56	7	1 0	8 7	6 5	19 0	22	12 54	24	27	10 035	16 1	21 6	15 326	1 002	<1	61 <0	001	09 <2	1 3	15 03	1955	1 6	05	2 0					
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250W 000	3 14	51 29	25 82	72 4	723	38 8	5 5	376 6	89 880	1	9	38 5	13 6	155 3	10	79 15	37	28	04 224	27 1	24 8	07 77 8	003	<1	44 098	83 <2	2 7	1 96	1 52	24337	3 2	09	2 6					
250W 100S	3 51	45 81	26 05	50 8	531	28 2	3 3	108 3	10 492	8	1 8	64 2	7 9	71 5	11	72 51	23	32	08 079	14 8	25 7	15 601	5 004	<1	76 014	14 <2	2 1	72 20	14184	3 3	05	2 5						
250W 200S	78	3 71	3 66	5 0	67	1 9	2 5	24 55	17 7	1	6 9	1 2	9 2	02	7 23	06	3	02	010	3 6	5 1	01 148	8 001	<1	18 <0	001	08 <2	2	10 <0	1	834	4	02	5				
250W 300S	3 82	73 14	26 32	118 3	520	75 4	10 2	1004 3	93 81	0	1 6	7 7	7 1	24 9	33	13 20	27	31	12 050	17 6	30 6	22 341	2 001	<1	54 005	12 <2	3 5	19 04	1686	2 3	10	1 8						
050W 050N	2 62	15 04	15 67	107 6	343	36 4	2 6	146 3	08 124	3	6	9 4	1 6	14 3	25	54 12	19	28	08 090	14 0	18 0	21 155	0 012	<1	52 003	08 2	8	22 02	13514	1 0	04	2 5						
050W 000	2 33	14 48	12 07	66 6	260	22 7	3 9	231 2	18 213	9	1 0	18 1	3 1	30 2	26	42 32	17	17	10 065	12 8	9 7	07 357	5 004	<1	38 001	13 <2	1 0	51 04	3395	1 5	03	1 4						
050W 050S	3 36	35 28	38 47	45 5	1232	27 9	5 0	91 2	96 406	8	1 2	165 7	4 5	48 2	25	62 51	32	24	10 060	7 1	13 1	07 576	0 004	<1	43 017	18 <2	1 2	1 11	19	11189	3 1	04	2 3					
050W 100S	2 57	6 84	19 46	13 9	225	5 0	3 6	24 76	62 9	4	30 5	2 3	19 4	09	31 05	11	11	06 030	9 2	8	01 197	3 003	<1	17 002	13 <2	3	31 04	8119	9	03	1 2							
050W 150S	2 27	13 57	39 47	35 3	481	8 1	7	50 1	24 51	8	3	15 3	7	19 7	28	29 65	16	29	08 046	13 8	6 6	02 183	0 013	<1	32 010	06 <2	3	27 02	1910	1 3	03	2 6						
050W 200S	2 53	29 77	22 25	44 6	380	11 4	1 1	56 2	72 99	9	1 0	12 9	9 0	28 6	21	19 88	17	25	04 056	14 3	12 8	06 253	2 003	<1	59 003	14 <2	1 2	37 11	1666	1 0	03	3 3						
050W 250S	4 16	111 92	33 58	115 1	315	58 7	6 3	420 5	52 137	7	1 8	22 5	6 8	36 5	44	40 48	30	42	05 111	14 5	34 8	12 587	6 003	<1	81 005	11 <2	3 4	33 04	3590	2 9	11	2 7						
050W 300S	5 05	43 22	38 51	100 5	2095	55 2	15 4	1522 4	32 113	7	3 2	17 4	16 7	41 6	62	18 84	23	28	17 073	48 1	24 8	13 420	2 002	<1	61 026	16 <2	2 8	22 16	5729	2 3	07	2 1						
01S002	3 53	45 00	21 76	115 3	132	40 8	16 1	583 4	00 985	3	1 8	26 8	4 5	57 1	18	252 53	23	22	1 64	077 6	6 17	09 121	1 004	<1	31 007	09 <2	1 4	2 50	1 44	40167	3 1	07	1 3					
STANDARD DS3	8 95	127 45	35 83	159 9	279	35 9	12 0	800 3	13 30	0	5 8	20 4	3 7	31 6	5 77	4 50	5 22	74	52 096	15 1	183 8	61 154	3 086	2 1 67	030	18 3 5	2 6	98 01	225	1 2	1 00	6 2						

GROUP 1F1 - 1.00 GM SAMPLE LEACHED WITH 6 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 20 ML, ANALYSED BY ICP/ES & MS.
UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 3 2001 DATE REPORT MAILED: July 13/01 SIGNED BY: C. L. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

BC

BONDAR CLEGG



VANCOUVER BRANCH

**Geotechnical
Lab
Report**

TANANA EXPLORATION
MR. STEVE TRAYNOR
P.O. BOX 4375
STN. MAIN
WHITEHORSE, YT Y1A 3T5

+ + + + +

Bondar Clegg Canada Limited, 130 Pemberton Avenue, North Vancouver, BC, V7P 2R5, (604) 985-0681



BONDAR CLEGG



Geochemical Lab Report

REPORT: V01-00410.0 (COMPLETE)

REFERENCE:

CLIENT: TANANA EXPLORATION
PROJECT: SPICE

SUBMITTED BY: S. TRAYNOR
DATE RECEIVED: 06-MAR-01 DATE PRINTED: 9-MAR-01

Table with columns: DATE APPROVED, ELEMENT, NUMBER OF ANALYSES, LOWER DETECTION, EXTRACTION, METHOD, DATE APPROVED, ELEMENT, NUMBER OF ANALYSES, LOWER DETECTION, EXTRACTION, METHOD. Includes sample data for elements like Au, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Hg, Fe, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti, Zr.

Table with columns: SAMPLE TYPES, NUMBER, SIZE FRACTIONS, NUMBER, SAMPLE PREPARATIONS, NUMBER. Row: R ROCK, 2, 2 -150, 2, CRUSH/SPLIT & PULV., 2

REPORT COPIES TO: MR. STEVE TRAYNOR INVOICE TO: MR. STEVE TRAYNOR

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Geochemical
Lab
Report

CLIENT: TANANA EXPLORATION
REPORT: V01-00410.0 (COMPLETE)

DATE RECEIVED: 06-MAR-01

DATE PRINTED: 9-MAR-01

PROJECT: SPICE
PAGE 1 OF 3

SAMPLE NUMBER	ELEMENT UNITS	Au	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Hg	Fe	Mn	TE	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	S
		PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PCT
01R100		12	0.8	2	5	3	<1	3	<1	<.2	<5	373	30	4.459	0.56	11	<10	913	100	7	<20	<20	3	0.24	0.02	0.01	<.01	0.19	6	3	<2	<1	<1	<5	<10	<.010	4	0.12
01R101		30	0.7	4	13	9	<1	3	<1	0.2	<5	296	34	7.401	0.98	14	<10	385	83	7	<20	<20	6	0.34	0.03	0.02	<.01	0.30	7	4	<2	<1	<1	<5	<10	<.010	7	0.28



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Geochemical Lab Report

CLIENT: TANANA EXPLORATION
REPORT: V01-00410.0 (COMPLETE)

DATE RECEIVED: 06-MAR-01 DATE PRINTED: 9-MAR-01 PAGE 2 OF 3

PROJECT: SPICE

Table with columns for STANDARD NAME, ELEMENT, and various chemical elements (Au, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Hg, Fe, Mn, TE, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti, Zr, S). Rows include ANALYTICAL BLANK, OX9 Oxide, and CANMET STSD-4.



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Report

CLIENT: TANANA EXPLORATION
REPORT: V01-00410.0 (COMPLETE)

DATE RECEIVED: 06-MAR-01 DATE PRINTED: 9-MAR-01 PAGE 3 OF 3

PROJECT: SPICE

SAMPLE NUMBER	ELEMENT	Au30	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Hg	Fe	Mn	TE	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	S
	UNITS	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PCT
01R100		12	0.8	2	5	3	<1	3	<1	<.2	<5	373	30	4.459	0.56	11	<10	913	100	7	<20	<20	3	0.24	0.02	0.01	<.01	0.19	6	3	<2	<1	<1	<5	<10	<.010	4	0.12
Duplicate		11	0.8	2	5	3	<1	3	<1	0.2	<5	373	30	4.546	0.55	10	<10	949	108	8	<20	<20	3	0.26	0.02	<.01	<.01	0.20	6	3	<2	<1	<1	<5	<10	<.010	4	0.12

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Geochemical Lab Report

TANANA EXPLORATION
MR. STEVE TRAYNOR
P.O. BOX 4375
STN. MAIN
WHITEHORSE, YT Y1A 3T5

+ + + +

Bondar Clegg Canada Limited, 130 Pemberton Avenue, North Vancouver, BC, V7P 2R5, (604) 985-0681



BONDAR CLEGG



REPORT: V01-01213.0 (COMPLETE)

REFERENCE:

CLIENT: TANANA EXPLORATION
PROJECT: SPICE

SUBMITTED BY: S. TRAYNOR
DATE RECEIVED: 04-JUL-01 DATE PRINTED: 12-JUL-01

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD	DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD												
010709	1 Au30 Au - FA30	16	5 PPB	Fire Assay of 30g	30g Fire Assay - AA	010709	37 Zr Zr - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLAS												
010709	2 Ag Ag - IC01	16	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA	010709	38 S S - IC01	16	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLAS												
010709	3 Cu Cu - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA	<table border="1"> <thead> <tr> <th>SAMPLE TYPES</th> <th>NUMBER</th> <th>SIZE FRACTIONS</th> <th>NUMBER</th> <th>SAMPLE PREPARATIONS</th> <th>NUMBER</th> </tr> </thead> <tbody> <tr> <td>R ROCK</td> <td>16</td> <td>2 -150</td> <td>16</td> <td>CRUSH/SPLIT & PULV.</td> <td>16</td> </tr> </tbody> </table>						SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER	R ROCK	16	2 -150	16	CRUSH/SPLIT & PULV.	16
SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER																		
R ROCK	16	2 -150	16	CRUSH/SPLIT & PULV.	16																		
010709	4 Pb Pb - IC01	16	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA	<p>REPORT COPIES TO: MR. STEVE TRAYNOR</p> <p>INVOICE TO: MR. STEVE TRAYNOR</p>																	
010709	5 Zn Zn - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA	<p>***** This report must not be reproduced except in full. The data presented in this report is specific to those samples identified under "Sample Number" and is applicable only to the samples as received expressed on a dry basis unless otherwise indicated *****</p>																	
010709	6 Mo Mo - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010709	7 Ni Ni - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010709	8 Co Co - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010709	9 Cd Cd - IC01	16	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010709	10 Bi Bi - IC01	16	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010709	11 As As - IC01	16	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010709	12 Sb Sb - IC01	16	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010709	13 Hg Hg - CV01	16	0.010 PPM	HCL:HNO3 (3:1)	COLD VAPOR AA																		
010709	14 FeOL Fe, semiquant - GA50	1	0.01 PCT	HF-HNO3-HClO4-HCL	ATOMIC ABSORPTION																		
010709	15 Fe Fe - IC01	16	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010709	16 Mn Mn - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010709	17 Te Te - IC01	16	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010709	18 Ba Ba - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010709	19 Cr Cr - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010709	20 V V - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010709	21 Sn Sn - IC01	16	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010709	22 W W - IC01	16	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010709	23 La La - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010709	24 Al Al - IC01	16	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010709	25 Mg Mg - IC01	16	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010709	26 Ca Ca - IC01	16	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010709	27 Na Na - IC01	16	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010709	28 K K - IC01	16	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010709	29 Sr Sr - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010709	30 Y Y - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010709	31 Ga Ga - IC01	16	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010709	32 Li Li - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010709	33 Nb Nb - IC01	16	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010709	34 Sc Sc - IC01	16	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010709	35 Ta Ta - IC01	16	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010709	36 Ti Ti - IC01	16	0.010 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		



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CLIENT: TANANA EXPLORATION
REPORT: V01-01213.0 (COMPLETE)

PROJECT: SPICE
DATE RECEIVED: 04-JUL-01 DATE PRINTED: 12-JUL-01 PAGE 1A(1/ 6)

Table with columns: SAMPLE NUMBER, ELEMENT, Au30, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Hg, FeOL, Fe, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti, Zr. Rows include sample IDs 01R001 through 01R115 and their corresponding element concentrations.



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DATE RECEIVED: 04-JUL-01

DATE PRINTED: 12-JUL-01

PROJECT: SPICE
PAGE 1B(2/ 6)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
01R001		0.04
01R101A		0.26
01R102		0.05
01R103		0.03
01R104		0.11
01R105		0.10
01R106		0.03
01R107		0.10
01R108		0.24
01R109		0.22
01R110		0.06
01R111		0.19
01R112		0.11
01R113		0.07
01R114		0.13
01R115		0.02



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CLIENT: TANANA EXPLORATION
REPORT: V01-01213.0 (COMPLETE)

PROJECT: SPICE
DATE RECEIVED: 04-JUL-01 DATE PRINTED: 12-JUL-01 PAGE 2A(3/ 6)

Table with columns for STANDARD NAME, ELEMENT UNITS, and various elements (Au, Ag, Cu, Pb, Zn, Mo, Ni, Co, Cd, Bi, As, Sb, Hg, FeOL, Fe, Mn, Te, Ba, Cr, V, Sn, W, La, Al, Mg, Ca, Na, K, Sr, Y, Ga, Li, Nb, Sc, Ta, Ti, Zr). Rows include CANMET STSD-4, ANALYTICAL BLANK, and FER-2 CANMET STD. with associated numerical values and units.



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CLIENT: TANANA EXPLORATION
REPORT: V01-01213.0 (COMPLETE)

DATE RECEIVED: 04-JUL-01 DATE PRINTED: 12-JUL-01 PROJECT: SPICE
PAGE 28(4/ 6)

STANDARD NAME	ELEMENT UNITS	S PCT
CANMET STSD-4		0.10
Number of Analyses		1
Mean Value		0.10
Standard Deviation		-
Accepted Value		0.10
ANALYTICAL BLANK		<.01
Number of Analyses		1
Mean Value		<.01
Standard Deviation		-
Accepted Value		<.01
FER-2 CANMET STD.		-
Number of Analyses		-
Mean Value		-
Standard Deviation		-
Accepted Value		-



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Geochemical Lab Report

CLIENT: TANANA EXPLORATION
REPORT: V01-01213.0 (COMPLETE)

DATE RECEIVED: 04-JUL-01 DATE PRINTED: 12-JUL-01 PAGE 3A(5/ 6)

PROJECT: SPICE

SAMPLE NUMBER	ELEMENT	Au30	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Hg	FeO _L	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr
	UNITS	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM
01R001 Duplicate		<5	9.3	156	3	1105	<1	<1	10	9.3	5	<5	9	<0.010	33.43	>10.00	>20000	10	32	9	<1	<20	<20	<1	0.06	4.23	0.78	0.01	0.02	10	14	37	1	1	<5	37	<0.010	12
															33.50																							
01R103 Duplicate		<5	<.2	3	5	6	<1	3	<1	<.2	<5	23	9	1.480	0.49	21	<10	142	265	9	<20	<20	3	0.23	0.01	0.01	<.01	0.13	8	1	<2	<1	<1	<5	<10	<.010	2	
		<.2	3	5	7	<1	3	<1	<.2	<5	23	8	1.465	0.47	22	<10	146	267	10	<20	<20	3	0.23	0.01	0.01	<.01	0.14	8	1	<2	<1	<1	<5	<10	<.010	2		



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CLIENT: TANANA EXPLORATION
REPORT: V01-01213.0 (COMPLETE)

DATE RECEIVED: 04-JUL-01

DATE PRINTED: 12-JUL-01

PROJECT: SPICE
PAGE 3B(6/ 6)

SAMPLE NUMBER	ELEMENT UNITS	S PCT
01R001 Duplicate		0.04
01R103 Duplicate		0.03 0.03



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Geochemical Lab Report

TANANA EXPLORATION
MR. STEVE TRAYNOR
P.O. BOX 4375
STN. MAIN
WHITEHORSE, YT Y1A 3T5

+ + + +

Bondar Clegg Canada Limited, 130 Pemberton Avenue, North Vancouver, BC, V7P 2R5, (604) 985-0681

WBY

REPORT: V01-01660.0 (COMPLETE)

REFERENCE:

CLIENT: TANANA EXPLORATION
PROJECT: SPICE

SUBMITTED BY: S. TRAYNOR
DATE RECEIVED: 29-AUG-01 DATE PRINTED: 5-SEP-01

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD	DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010904	1 Au30 Au - FA30	7	5 PPB	Fire Assay of 30g	30g Fire Assay - AA	010904	37 S S - IC01	7	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010904	2 Ag Ag - IC01	7	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	3 Cu Cu - IC01	7	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	4 Pb Pb - IC01	7	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	5 Zn Zn - IC01	7	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	6 Mo Mo - IC01	7	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	7 Ni Ni - IC01	7	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	8 Co Co - IC01	7	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	9 Cd Cd - IC01	7	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	10 Bi Bi - IC01	7	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	11 As As - IC01	7	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	12 Sb Sb - IC01	7	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	13 Hg Hg - CV01	7	0.010 PPM	HCL:HNO3 (3:1)	COLD VAPOR AA						
010904	14 Fe Fe - IC01	7	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	15 Mn Mn - IC01	7	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	16 Te Te - IC01	7	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	17 Ba Ba - IC01	7	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	18 Cr Cr - IC01	7	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	19 V V - IC01	7	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	20 Sn Sn - IC01	7	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	21 W W - IC01	7	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	22 La La - IC01	7	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	23 Al Al - IC01	7	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	24 Mg Mg - IC01	7	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	25 Ca Ca - IC01	7	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	26 Na Na - IC01	7	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	27 K K - IC01	7	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	28 Sr Sr - IC01	7	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	29 Y Y - IC01	7	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	30 Ga Ga - IC01	7	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	31 Li Li - IC01	7	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	32 Nb Nb - IC01	7	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	33 Sc Sc - IC01	7	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	34 Ta Ta - IC01	7	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	35 Ti Ti - IC01	7	0.010 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
010904	36 Zr Zr - IC01	7	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	7	2 -150	7	CRUSH/SPLIT & PULV. RIVER ROCK CLEANING SILICA CLEANING	7 7 7

REPORT COPIES TO: MR. STEVE TRAYNOR

INVOICE TO: MR. STEVE TRAYNOR

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CLIENT: TANANA EXPLORATION
 REPORT: V01-01660.0 (COMPLETE)

PROJECT: SPICE
 DATE RECEIVED: 29-AUG-01 DATE PRINTED: 5-SEP-01 PAGE 1 OF 3

SAMPLE NUMBER	ELEMENT UNITS	Au30	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Hg	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	S
		PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PCT
01R102 (s)		13	<.2	9	23	5	<1	2	2	1.0	<5	106	21	2.503	0.45	6	<10	170	17	3	<20	<20	20	0.70	0.04	0.03	<.01	0.39	10	10	<2	<1	<1	<5	<10	<.010	9	0.12
01R103 (s)		23	0.4	5	7	4	1	10	<1	0.5	<5	62	14	7.215	0.54	12	<10	340	96	13	<20	<20	5	0.25	0.09	<.01	0.01	0.19	16	3	<2	<1	<1	<5	<10	<.010	3	0.22
01R104 (s)		113	2.3	5	5	5	<1	3	1	0.2	<5	34	22	8.217	0.57	16	<10	187	114	14	<20	<20	2	0.26	0.02	0.01	0.01	0.17	14	2	<2	<1	<1	<5	<10	<.010	3	0.19
01R105 (s)		41	<.2	12	24	12	2	6	2	0.7	<5	70	29	14.331	0.75	10	<10	174	115	4	<20	<20	32	0.13	<.01	0.01	<.01	0.07	17	7	<2	<1	<1	<5	<10	<.010	23	0.30
01R106 (s)		97	0.4	3	6	1	<1	3	<1	0.2	<5	12	26	4.259	0.25	8	<10	80	145	2	<20	<20	5	0.04	<.01	<.01	<.01	0.02	5	<1	<2	<1	<1	<5	<10	<.010	10	0.03
01R107 (s)		12	<.2	4	6	<1	<1	3	<1	0.3	<5	21	14	3.051	0.18	7	<10	61	110	<1	<20	<20	6	0.02	<.01	<.01	<.01	0.01	6	<1	<2	<1	<1	<5	<10	<.010	11	0.03
01R108 (s)		28	0.3	7	11	2	<1	4	<1	0.3	<5	20	17	13.303	0.35	12	<10	136	151	3	<20	<20	13	0.05	<.01	0.01	<.01	0.02	12	1	<2	<1	<1	<5	<10	<.010	13	0.07

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STANDARD NAME	ELEMENT UNITS	Au30	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Hg	Fe	Mn	Te	Ba	Cr	V	Sr	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	S										
OX11 Oxide	2964	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Number of Analyses	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Mean Value	2964	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Accepted Value	2940	*	-	-	-	*	-	*	-	*	-	*	-	*	*	-	*	-	*	-	*	*	-	*	*	-	*	*	-	*	-	*	-	*	-	*	-	*	-	*	-	*	-	*	-	*		
ANALYTICAL BLANK	<5	<1	<1	2	<1	<1	<1	<1	<1	<0.2	5	5	5	0.013	<0.01	<1	<10	<1	<1	<1	<20	<20	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<1	<2	<1	<1	<5	<10	<0.010	<1	<0.01									
Number of Analyses	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Mean Value	3	0.1	<1	2	<1	<1	<1	<1	<1	0.1	5	5	5	0.013	<0.01	<1	5	<1	<1	<1	10	10	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<1	1	<1	<1	3	5	0.005	<1	<0.01										
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value	5	0.2	1	2	1	1	1	1	1	0.1	2	5	5	0.005	0.05	1	<1	<1	1	1	<1	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
CANMET STSD-4	-	0.2	63	16	87	1	27	13	0.7	5	13	5	1.061	2.90	1187	<10	980	33	52	<20	<20	13	1.25	0.66	1.10	0.05	0.11	66	11	3	10	5	<5	<10	0.093	<1	0.10											
Number of Analyses	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value	-	0.2	63	16	87	1	27	13	0.7	3	13	3	1.061	2.90	1187	5	980	33	52	10	10	13	1.25	0.66	1.10	0.05	0.11	66	11	3	10	5	3	5	0.093	<1	0.10											
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value	-	0.3	66	13	82	2	23	11	0.6	*	11	4	0.930	2.60	1200	*	999	30	51	*	-	14	1.19	*	1.13	0.05	0.12	*	11	4	10	6	5	*	-	-	-	-	-	-	-	-	-	-	-	-	-	

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SAMPLE NUMBER	ELEMENT	Au30 UNITS	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Hg	Fe	Mn	Te	Ba	Cr	V	Sr	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	S
			PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PCT
01R102		13	<.2	9	23	5	<1	2	2	1.0	<5	106	21	2.503	0.45	6	<10	170	17	3	<20	<20	20	0.70	0.04	0.03	<.01	0.39	10	10	<2	<1	<1	<5	<10	<.010	9	0.12
Duplicate			<.2	9	23	5	<1	2	<1	0.6	<5	104	28	2.451	0.44	5	<10	152	15	2	<20	<20	20	0.58	0.03	0.03	<.01	0.34	9	10	<2	<1	<1	<5	<10	<.010	9	0.11