Geochemical and Prospecting Report
on the
ET 1-32 Claims
Mayo Mining District

094283

by

J. Peter Ross, Prospector

NTS: 115 P/8, 115 P/9
Latitude: 63° 29' N
Longitude: 136° 23' W
Dates Worked: April 26 - 30, 2001
May 1 - 4, 2001

Dated: October 2001

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APPENDICES

Chapter One: SUMMARY and CONCLUSIONS

1.1 Summary

The ET 1-20 claims were staked and recorded by J.P. Ross on May 4, 1998. The ET 21-32 claims were staked and recorded by J.P. Ross on August 27, 1998.

1. One can drive to the area on a 2-wheel drive highway.
2. Yukon MINFILE 115P 042, McGuinty, suggests a possible gold deposit is present. Three streams ran 124 ppb Au, 102 ppb Au, 273 ppb Au in -200 mesh silt samples.
3. The area is at the southeast end of a 25 km trend of linear features (northwest to southeast). To the southeast of the Stewart River, the trend bends (?).
4. The geology and mineralization may be similar to the Brewery Creek deposit.
5. Most of the economic placer gold bar deposits on the Stewart River are found downstream of this location. (Bob Stirling, personal communication).
6. Pieces of calcite/calcium precipitate were found in the stream. It appears to be coming from a limey (carbonate) zone not seen.
7. In 1999, 8 silt samples were taken; 6 from a pup(?) on the middle stream and 2 from the eastern most of the 3 streams. All were highly anomalous from 175 ppb Au to 2550 ppb Au (-80 mesh). The samples were re-done at -200 mesh and 5 of 8 ran from 1550 ppb Au to 5770 ppb Au (with a weak As Ba association).
8. The area is covered by wind-blown sand (glacial) so a new exploration technique was attempted - enzyme leach.
9. Twenty-one (21) soil samples were taken and tested by enzyme leach process; it can detect very subtle anomalies.
10. The results of the soil samples were very encouraging.
11. Prospecting did not turn up any bedrock worth testing.
12. The potential source for the anomalies is large and micron size Au zones may be present similar to Brewery Creek, Yukon or Carlin, Nevada.

1.2 Recommendations

All 32 claims should be kept and more claims should be staked to the southwest and northeast. More soil sampling and analysis by enzyme leach should be done.

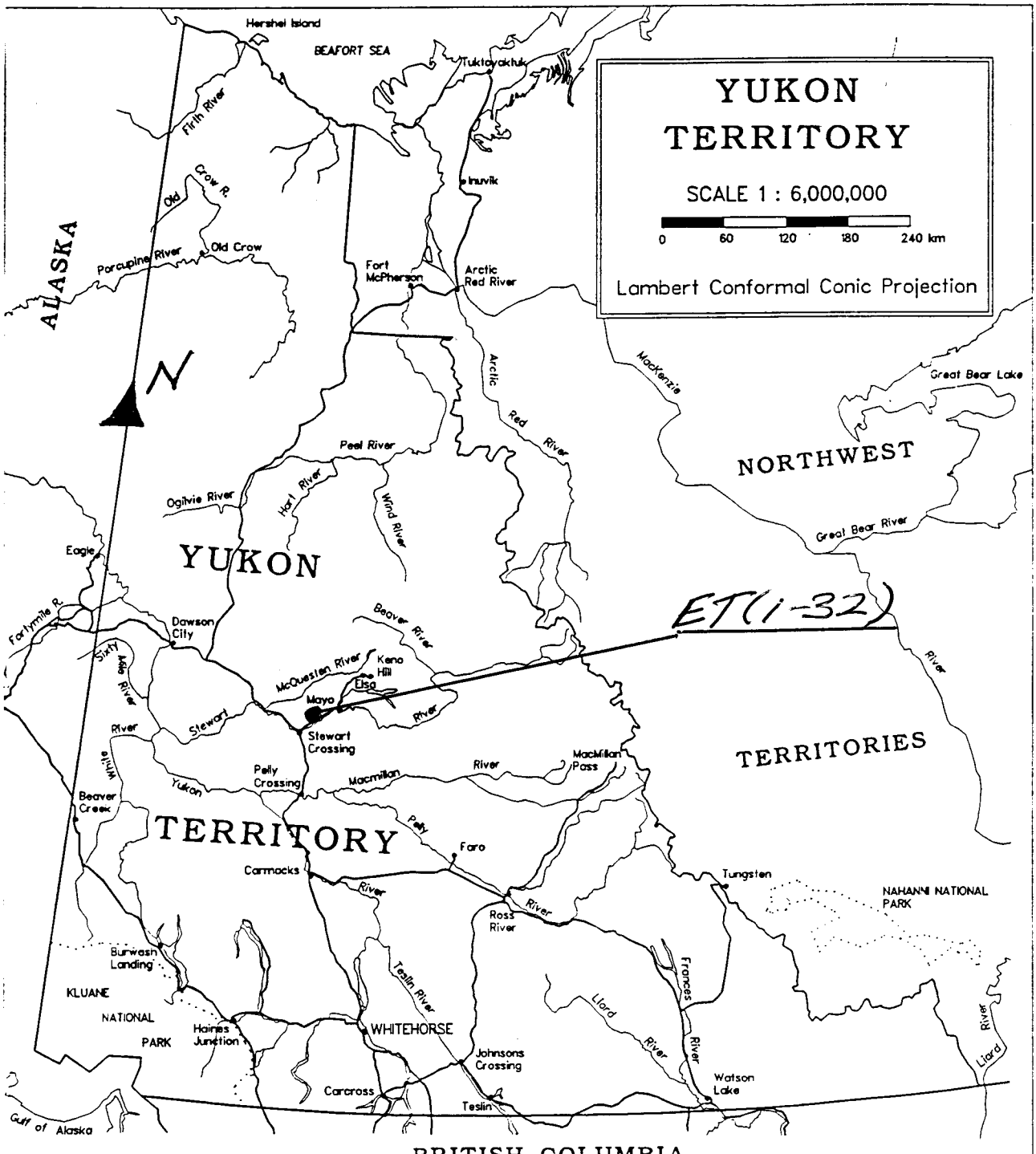
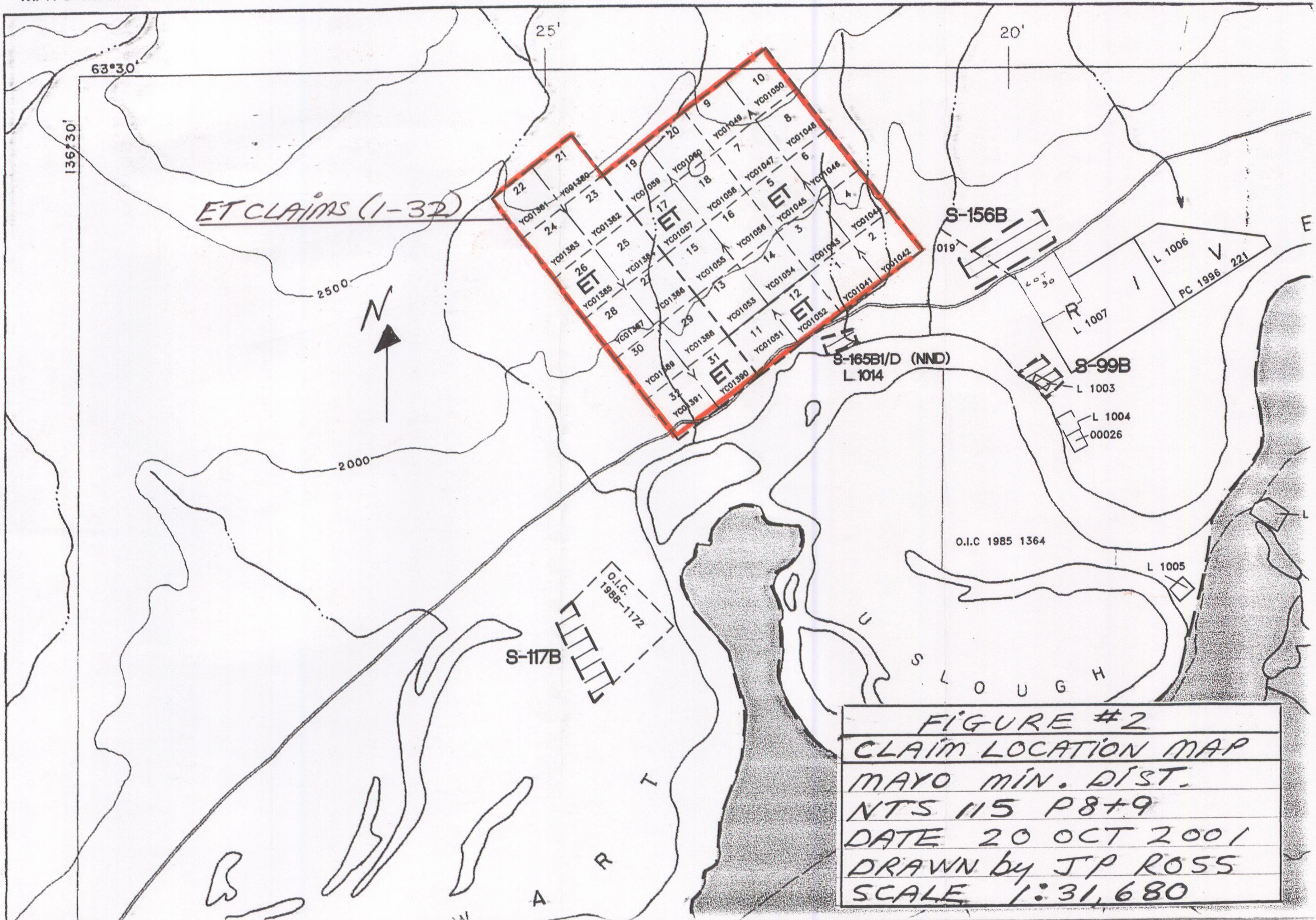


FIGURE #1

LOCATION MAP

ET 1-32 (2001)

MAYO MINING DISTRICT EXCEPT WHERE NOTED, ALL LAND CLAIMS ON THIS SHEET ARE NND = NACHO NYAK DUN FIRST NATION



EXCEPT WHERE NOTED, ALL LAND CLAIMS ON THIS SHE

FIGURE #3
GEOLOGY LOCATION MAP
MAYO MIN. DIST.
NTS. 115 P8+9
SAMPLE BEDROCK
CALCIUM PCT. BED.
CALCIUM PCT. FLOAT
DATE 20 OCT 2001
DRAWN by JP ROSS
SCALE 1:15,840

25'

2500

S-156B

S-165B1/D (NND)
L 1014

2 OLD SLUICE BOXES

N

25'

2500

A+500NE

A

A+500SW

N

S

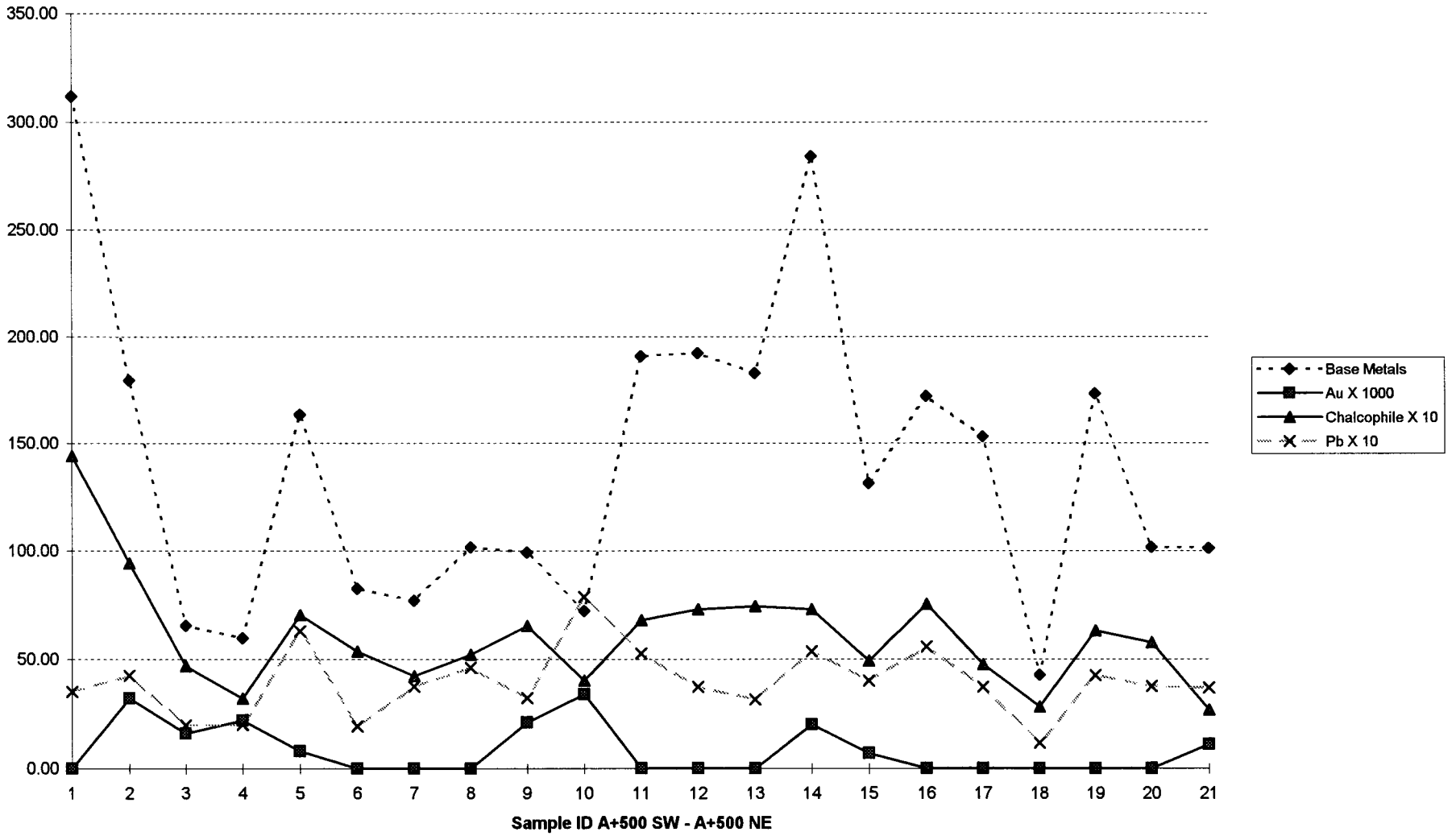
S-165B1/D (NND)
L 1014

FIGURE #4
SOIL SAMPLE LOCATION
MAYO MIN. DIST.
NTS 115 P8+9
—— SOIL SAMPLE LINE
DATE 20 OCT 2001
DRAWN by JP ROSS
SCALE 1:15,840

SOIL SAMPLE PLOT #1

ET 1-32 CLAIMS

Base Metals: Co + Cu + Zn + Pb
Base Metals Chalcophile: Ga + Ge (x 10) + Cd + Sn +Tl (x 10)
Au: Au x 1000
Pb: Pb x 10



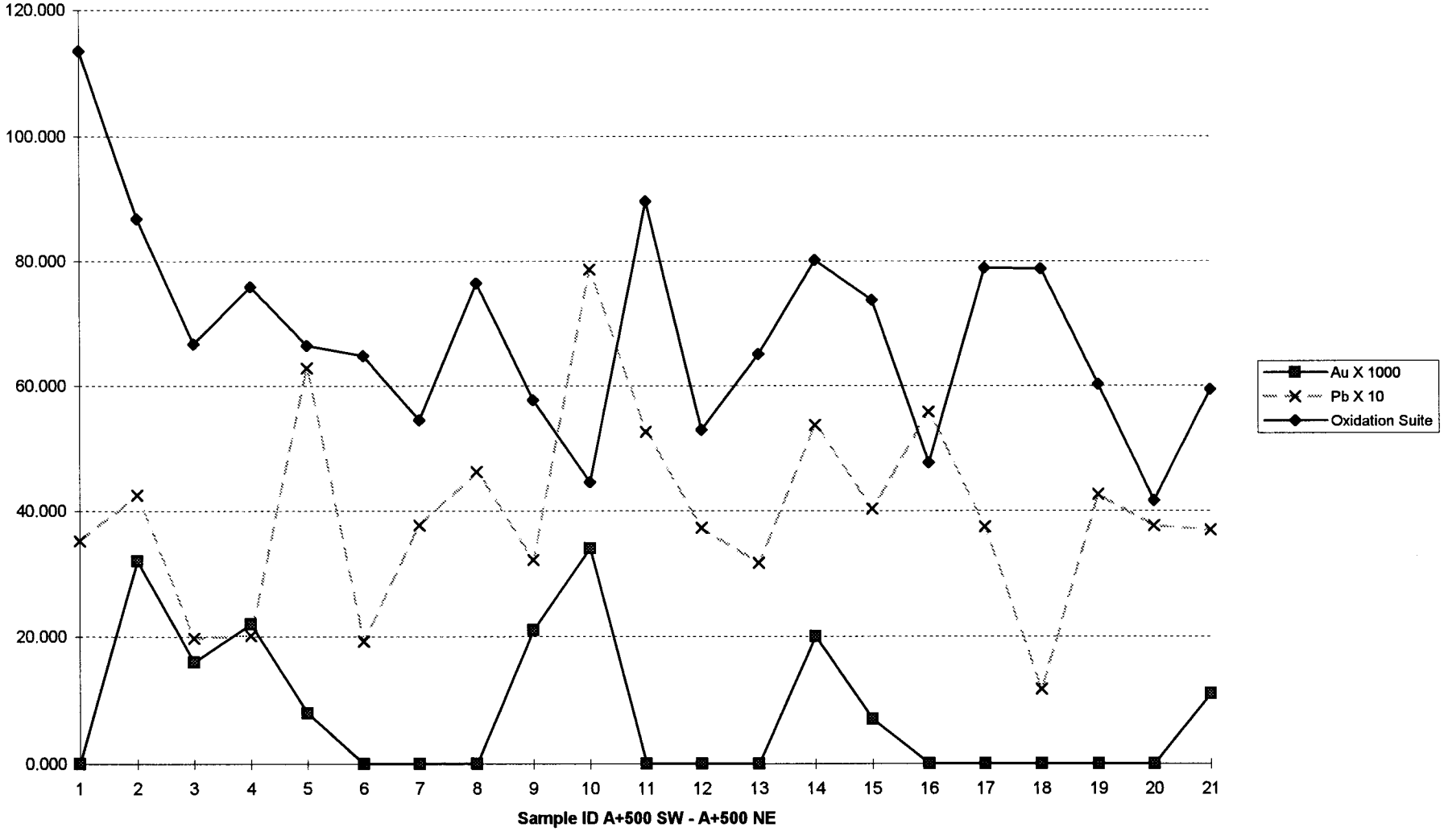
10/27/2001

Figure 5

SOIL SAMPLE PLOT #2

ET 1-32 CLAIMS

Oxidation Suite: S.Q.Cl (/ 1000) + I + As + Mo (x 10)
Au: Au x 1000
Pb: Pb x 10



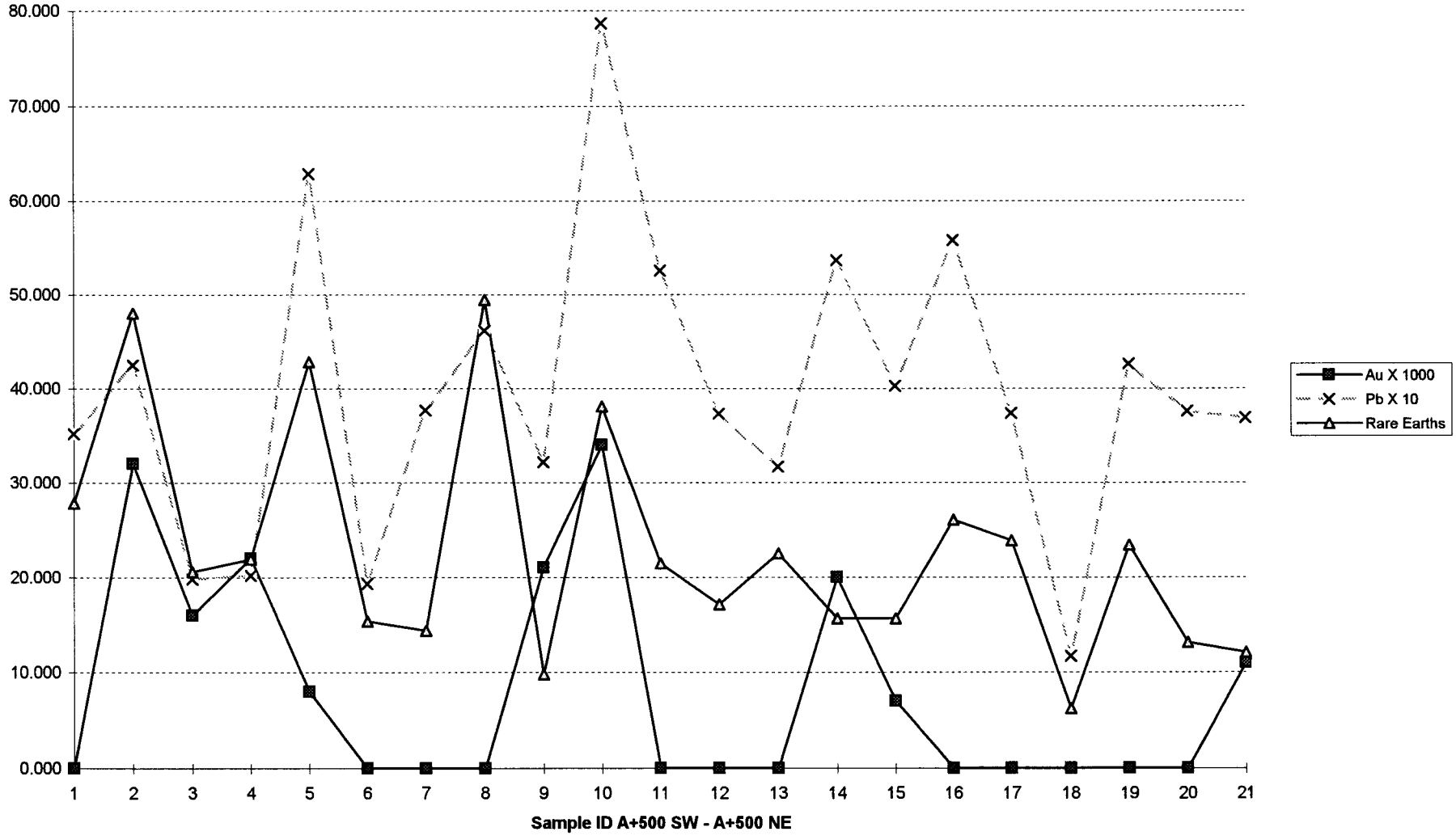
10/27/2001

Figure 6

SOIL SAMPLE PLOT #3

ET 1-32 CLAIMS

Rare Earths: La + Ce (/ 10)+ Pr + Nd + Tb (x 10) + Ho (x 10)
+ Er (x 10) + Tm (x 10) + Yb (x 10) + Lu (x 10)
Au: Au x 1000
Pb: Pb x 10



10/27/2001

Figure 7

Chapter Two: INTRODUCTION

2.1 Introductory Statement

From April 26, 2001 to May 4, 2001, J. Peter Ross prospected on the claims and took 21 soil samples.

2.2 Location And Access

The ET 1-20, 21-32 claims are located 15 miles northeast of Stewart Crossing in the Mayo Mining District, N.T.S. 115 P/8, 9, latitude 63° 29', longitude 136° 23'. Access to the claims is from the Silver Trail Highway, an all-season road. One can camp close to the highway and walk to the claim area.

2.3 History

Geology in the claims area is Late Proterozoic - Early Cambrian schist, quartzite and phyllite.

Flagging tape was seen marking the location of recent silt samples, see MINFILE 115P 042. No other evidence of hard rock exploration was seen.

Bulk silt samples taken by Noranda in 1992 (-200 mesh Au) returned values up to 273 ppb Au and pan concentrates up to 2665 ppb Au.

Silt samples taken by J.P. Ross in 1999 returned values up to 5770 ppb Au (-200 mesh).

Chapter Three: PROPERTY DESCRIPTION

Claim Name	Grant No.	Grouping	Date Staked	Date Recorded	Expiry Date
ET 1	YC01041	HM00500	98.04.25	98.05.04	2002.05.04
ET 2	YC01042	HM00500	98.04.25	98.05.04	2002.05.04
ET 3	YC01043	HM00500	98.04.28	98.05.04	2002.05.04
ET 4	YC01044	HM00500	98.04.28	98.05.04	2002.05.04
ET 5	YC01045	HM00500	98.04.28	98.05.04	2002.05.04
ET 6	YC01046	HM00500	98.04.28	98.05.04	2002.05.04
ET 7	YC01047	HM00501	98.04.28	98.05.04	2002.05.04
ET 8	YC01048	HM00501	98.04.28	98.05.04	2002.05.04
ET 9	YC01049	HM00501	98.04.29	98.05.04	2002.05.04
ET 10	YC01050	HM00501	98.04.29	98.05.04	2002.05.04
ET 11	YC01051	HM00500	98.05.01	98.05.04	2002.05.04
ET 12	YC01052	HM00500	98.05.01	98.05.04	2002.05.04
ET 13	YC01053	HM00500	98.05.01	98.05.04	2002.05.04
ET 14	YC01054	HM00500	98.05.01	98.05.04	2002.05.04
ET 15	YC01055	HM00500	98.05.02	98.05.04	2002.05.04
ET 16	YC01056	HM00500	98.05.02	98.05.04	2002.05.04
ET 17	YC01057	HM00501	98.05.03	98.05.04	2002.05.04
ET 18	YC01058	HM00501	98.05.03	98.05.04	2002.05.04
ET 19	YC01059	HM00501	98.05.03	98.05.04	2002.05.04
ET 20	YC01060	HM00501	98.05.03	98.05.04	2002.05.04
ET 21	YC01380	HM00501	98.08.19	98.08.27	2002.08.27
ET 22	YC01381	HM00501	98.08.19	98.08.27	2002.08.27
ET 23	YC01382	HM00501	98.08.19	98.08.27	2002.08.27
ET 24	YC01383	HM00501	98.08.19	98.08.27	2002.08.27
ET 25	YC01384	HM00501	98.08.19	98.08.27	2002.08.27
ET 26	YC01385	HM00501	98.08.19	98.08.27	2002.08.27
ET 27	YC01386	HM00500	98.08.19	98.08.27	2002.08.27
ET 28	YC01387	HM00501	98.08.19	98.08.27	2002.08.27
ET 29	YC01388	HM00500	98.08.19	98.08.27	2002.08.27
ET 30	YC01389	HM00501	98.08.19	98.08.27	2002.08.27
ET 31	YC01390	HM00500	98.08.19	98.08.27	2002.08.27
ET 32	YC01391	HM00500	98.08.19	98.08.27	2002.08.27

Chapter Four: GEOCHEMICAL SURVEY and PROSPECTING

4.1 General

All soil sample sites were marked with blue flagging tape to distinguish from float/bedrock samples or claim lines. Red flagging tape was placed at 25, 75 and 125 yards. Blue flagging tape at 0, 50 and 100 yards.

Soil samples were taken from the B horizon at a depth of 6-12 inches. The soil was light beige in colour. Some sites were 10-15 feet from the location line due to the presence of snow or permafrost.

The samples were placed under my truck and dried at home (the samples must be kept below 40°C).

The samples were screened by NAL (-80 mesh) and a clean film vial of sample was sent to Activation Laboratories Ltd. (Actlabs) of Ancaster Ontario.

Prospecting was done on the middle and eastern areas of the claims, on ET 1-4, 29-32 and while taking soil samples. Rocks were exposed although erratic snow was present elsewhere. A few new bedrock exposures were found, plus 2 old sluice boxes. No rock samples were tested. Seven bedrock samples were taken (X1-X7) and marked on Figure 3. Geology in the claims area is Late Proterozoic - Early Cambrian schist, quartzite and phyllite. The rocks were basically phyllite, schist and quartzite; no alteration or silicification was observed. A map of known bedrock outcrops was prepared. All untested bedrock samples from 1999 and 2001 have been archived (stored) for future study and testing.

Bedrock, where large areas were exposed was broken up on many places but where coherent - the dip was slightly down to the east and slightly down to the Stewart River.

4.2 Interpretation

Actlabs tested the 21 samples for Enzyme Leach.

Discussions with Dr. Eric Hoffman (Actlabs) and Ken Galambos (Yukon Geology Program) suggest an Au system is present. Further soil sampling is warranted.

This is a serious anomaly. It seems 3 streams in a row are anomalous for -200 mesh Au. This has been confirmed twice by Noranda Exploration, once by Gordon MacKay & Associates (for Ken Galambos, see MINFILE 115P 042, McGuinty), and once by J.P. Ross.

The mineralization could be similar to Brewery Creek Au type or the Wayne Au deposit just west of Elsa, Yukon.

The area is covered by glacial sand and there are no big boulders present. i.e.) a soft oxidized deposit may be present.

The calcite precipitate is coming from a limey horizon not yet located! This may be the source of the Au anomaly.

It is possible a large zone of up to 25 km long may be present. The area around the 3 streams is ~ 30 km^2.

I do not know a lot about this new technique Enzyme Leach, but I am satisfied that it works here and can point the way to buried, blind deposits.

This work will keep the ET claims for one (1) more year. Some companies are interested in the ET claims and I plan to take a course in Enzyme Leach soon.

More claims should be staked and more soil sampling and prospecting will be done in 2002.

Appendix 1

References

Assessment Report 093206, Sleeper 10-29, 115 P/8 by Ken Galambos

Geochemical and Prospecting Report on the ET 1-32 Claims, Mayo Mining District by J. Peter Ross, Prospector. September 1999.

Yukon MINFILE 115P 042, McGuinty

Geology and geochemistry of three sedimentary rock hosted disseminated gold deposits in Guizhou Province, Peoples Republic of China. Ore Geology Reviews, 6(1991) p. 133-151

Personal Communication

Ken Galambos, Mineral Development Geologist, Yukon Geology Program
Bob Stirling, placer miner Stewart River
Assistant Mining Recorder, Mayo Mining District
Dr. Eric Hoffman, Actlabs

Enzyme Leach℠

Analyte	Enzyme Leach℠ (ppb)	Enhanced Enzyme Leach℠ (ppb)
Li	2	0.5
Be	2	0.1
S.Q.Cl	2000	1000
S.Q.Sc	100	20
S.Q.Ti	100	20
V	1	0.1
Mn	1	0.1
Co	1	0.2
Ni	2	0.5
Cu	2	0.5
Zn	10	5
Ga	1	0.3
Ge	0.5	0.05
As	1	0.1
Se	5	1
Br	5	1
Rb	1	0.1
Sr	1	0.1
Y	0.5	0.05
Zr	1	0.1
Nb	1	0.1
Mo	1	0.1
Ru	1	0.5
Pd	1	0.5
Ag	0.2	0.1
Cd	0.2	0.1
In	0.1	0.01
Sn	0.8	0.1
Sb	0.1	0.01
Te	1	0.5
I	2	0.5
Cs	0.1	0.01
Ba	1	0.5
La	0.1	0.01
Ce	0.1	0.01
Pr	0.1	0.01
Nd	0.1	0.01
Sm	0.1	0.01
Eu	0.1	0.01
Gd	0.1	0.01
Tb	0.1	0.01
Dy	0.1	0.01
Ho	0.1	0.01
Er	0.1	0.01
Tm	0.1	0.01
Yb	0.1	0.01
Lu	0.1	0.01
Hf	0.1	0.01
Ta	0.1	0.01
W	1	0.1
Re	0.01	0.001
Os	1	0.5
Pt	1	0.5
Au	0.05	0.005
S.Q.Hg	1	0.1
Tl	0.1	0.005
Pb	1	0.1
Bi	0.5	0.05
Th	0.1	0.01
U	0.1	0.01

Prices

Enzyme Leach℠ $25.00

Enhanced Enzyme Leach℠ $33.00

Many ore bodies are buried beneath thick sequences of exotic overburden, lake beds, barren bedrock or younger volcanic rocks. Exploration geologists require a cost-effective method of finding blind mineralization through deep cover. The Enzyme Leach℠ provides the means to do this.

The Enzyme Leach℠ is the most discriminating of the selective analytical extractions in use today. It is capable of detecting extremely subtle geochemical anomalies developed in B-horizon soils over and around blind deposits. Conventional partial leaches, like aqua regia extraction-ICP, extract metals from sulphides, oxides and silicates, providing a partial composition of the overburden. The Enzyme Leach℠ on the other hand, tends to detect the very subtle trace element signatures that have been added to the soil by elements migrating to the surface through a variety of mechanisms. Trace amounts of amorphous mixed-oxide coatings in soil act as an effective long-term integrating collector of this subtle flux of cations, anions and polar molecules passing through the soil. By selectively removing the amorphous manganese dioxide from these coatings, the mixed oxide coatings collapse, releasing trapped trace elements (the Cohen model). Thus, the Enzyme Leach℠ provides an effective method of detecting the subtle signatures of blind deposits in the subsurface without swamping the signal by dissolving major components of the overburden. At this time, the greatest depth of detection for Enzyme Leach℠ for a mineral deposit is greater than 800 metres. Pattern recognition is the key to proper interpretation of Enzyme Leach℠ data, since anomaly patterns can be different from conventional geochemical data. The Enzyme Leach℠ has been shown to work effectively both in acidic and alkaline environments, and has been used successfully in desert, tropical, glacial and permafrost terrains. In addition to reporting analytical data from samples submitted by the client, Actlabs offers integrated Enzyme Leach℠ turnkey surveys from sample collection, through analysis to interpretation by one of our team of skilled geochemists.

Preparation and Analysis

After B soil horizon materials are collected, they are air dried or dried in special high volume forced air rooms kept below 40ºC. It is imperative that the samples not be placed in drying ovens as it is impossible to guarantee consistency of drying temperature even in temperature controlled ovens. Samples then undergo the proprietary Enzyme Leach℠ under rigidly controlled conditions. The resultant solution is analyzed using a state-of-the-art Perkin Elmer Sciex ELAN 6000 ICP-MS. Discounts may be applicable for larger sampling programs. Sample preparation charges are additional and are listed on page 7.

Price: Code 7 Enzyme Leach℠ $25.00 per sample
Code 7 Enhanced $33.00 per sample

Fe	1
Ca	0.5
Na	5
Mg	2
K	15
Cr	0.2
S	10
Si	0.5
Al	0.5

As an option for those wishing data on major elements and S in the leach solution, ACTLABS can provide the additional elements by ICP-OES. The *request for code 7 MAJ must be requested at the same time as Enzyme* Leach℠. Detection limits shown in ppm.

Price: Code 7 MAJ $5.00 per sample
Final pH of leach solution $5.00
Conductivity of leach solution $5.00
pH and conductivity $9.00

Other Selective Extractions

ACTLABS has considerable experience at developing and applying a variety of selective and sequential extractions developed both by ACTLABS and also reported in the literature. A selection of these leaches are described below. ACTLABS' team of skilled geochemists can advise on the applicability of each of these selective extractions. Detection limits and available elements vary depending on background levels of metals in the leach solutions and potential interferences.

Aurzyme Leach℠	similar to Enzyme Leach℠, but dissolves native gold. Background levels for most elements are significantly higher than Enzyme Leach℠ which may mask some anomalies.
Dizyme Leach℠	will dissolve both amorphous Fe and Mn oxides. Background levels are going to be significantly elevated over Enzyme Leach℠ which will mask some low level anomalies.
Sodium Pyrophosphate Leach	for organic rich materials such as humus and peat.
Hydroxylamine Leach (cold)	dissolves majority of Mn and Fe oxides (amorphous+crystalline)
Hydroxylamine Leach (hot)	dissolves nearly all Mn and Fe oxides
Oxalic Acid Leach	dissolves all oxide coatings and a partial attack on weaker silicates
Multielement-BLEG Leach	for weak cyanide extractable metals (good for Au+PGE)
Potassium Iodide+Ascorbic Acid	dissolves all of Fe, Mn and Al oxide coatings (halogens cannot be analyzed)
Water Leach (hot/cold)	dissolves any water soluble component and metals released by hydrolysis of silicates
NH-I	releases metals bound to clays and other weakly bound elements (halogens cannot be analyzed)
Pre Wash	removes water soluble components prior to application of leach solution. It is used to remove the high water-soluble salt content of some soils, reducing potential matrix interferences.

Price: $25.00 per sample for any one of these leaches.
Pre Wash (if requested) $2.50 per sample
Volume discounts may be applicable. Preparation charges are additional.

e Leach℠

e	Enzyme Leach℠ (ppb)	Enhanced Enzyme Leach℠ (ppb)
	2	0.5
	2	0.1
	2000	1000
	100	20
	100	20
	1	0.1
	1	0.1
	1	0.2
	2	0.5
	2	0.5
	10	5
	1	0.3
	0.5	0.05
	1	0.1
	5	1
	5	1
	1	0.1
		0.1
	0.5	0.05
	1	0.1
	1	0.1
	1	0.1
	1	0.5
	1	0.5
	0.2	0.1
	0.2	0.1
	0.1	0.01
	0.8	0.1
	0.1	0.01
	1	0.5
	2	0.5
	0.1	0.01
	1	0.5
	0.1	0.01
	0.1	0.01
	0.1	0.01
	0.1	0.01
	0.1	0.01
	0.1	0.01
	0.1	0.01
	0.1	0.01
	0.1	0.01
	0.1	0.01
	0.1	0.01
	0.1	0.01
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	0.1	0.01
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As an option for those wishing data on major elements and S in the leach solution, ACTLABS can provide the additional elements by ICP-OES. The request for code 7 MAJ must be requested at the same time as Enzyme Leach℠. Detection limits shown in ppm.

Price: Code 7 MAJ $5.00 per sample
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Dizyme Leach℠	will dissolve both amorphous Fe and Mn oxides. Background levels are going to be significantly elevated over Enzyme Leach℠ which will mask some low level anomalies.
Sodium Pyrophosphate	... rich materials such as humus and peat

YUKON MINFILE
STANDARD REPORT
EXPLORATION AND GEOLOGICAL SERVICES DIVISION, DIAND
WHITEHORSE

NAME(S): McGuinty
MINFILE #: 115P 042
MAJOR COMMODITIES: -
MINOR COMMODITIES: -
TECTONIC ELEMENT: Selwyn Basin
NTS MAP SHEET: 115 P 8
LATITUDE: 63°28'47"N
LONGITUDE: 136°23'00"W
DEPOSIT TYPE: Unknown
STATUS: Uncertain

CLAIMS (PREVIOUS AND CURRENT)

DAVID, HALONA, PAN, SLEEPER

WORK HISTORY

Staked as David & Halona cl (YA41512) in Nov/79 by C. Charette and as Pan cl (YA43488) in Jan/81 by S. Schmidt. The Sleeper 10-29 cl (YB29730) were staked 2.5 km to the northwest in May/93.

GEOLOGY

The earlier claims are probably underlain by Late Proterozoic-Early Cambrian schist, quartzite, and phyllite and may have been staked to protect surface rights.

Bulk silt (-200 mesh) samples and pan concentrates collected in 1992 returned values of 273 ppb and 2665 ppb gold, respectively.

REFERENCES

K.D. Galambos, Mar/94. Assessment Report #093206 by K.D. Galambos.

Appendix 2

Statement of Costs

Claims: ET 1-20, YC01041 - YC01060, ET 21-32, YC01380 - YC01391
Dates worked: April 26 - 30, 2001. May 1 - 4, 2001.

Item	Details	Amount and Unit Cost	Total Cost
Labour	J. Peter Ross	9 days @ $285/day	$2,565.00
Camp Costs		9 days @ $35.00/day	315.00
Transportation	vehicle	877 km @ $0.42/km	368.34
Assaying	Actlabs code 7 - enhanced enzyme leach	21 soil samples	741.51
	NAL prep samples	21 soil samples	95.50
	shipping to Actlabs	priority post	19.80
Radio	Self-owned	Spilsbury SBX 11	11.25
Report Preparation			320.00
		TOTAL COST	$4,442.11

Four thousand four hundred and forty two dollars and eleven cents ($4,442.11). $3,200 will go towards 1 year of assessment work for each of 32 claims.

STATEMENT OF QUALIFICATIONS

I, John Peter Ross, do hereby certify that I:

1. am a qualified prospector with mailing address;

   B1-2002 Centennial Street
   Whitehorse, Yukon
   Canada. Y1A 3Z7

2. graduated from McGill University in 1970 with a B.Sc. General Science

3. have attended and finished completely the following courses;

   1974 - BC & Yukon Chamber of Mines, Prospecting Course
   1978 - United Keno Hill Mines Limited, Elsa, Yukon, Prospecting Course
   1987 - Yukon Chamber of Mines, Advanced Prospecting Course
   1991 - Exploration Geochemistry Workshop, GSC Canada
   1994 - Diamond Exploration Short Course, Yukon Geoscience Forum
   1994 - Yukon Chamber of Mines, Alteration and Petrology for Prospectors
   1994 - Applications of Multi-Parameter Surveys (Whitehorse), Ron Shives, GSC
   1994 - Drift Exploration in Glaciated and Mountainous Terrain, BCGS
   1995 - Applications of Multi-Parameter Surveys, (Vancouver) Ron Shives, GSC
   1995 - Diamond Theory and Exploration, Short Course # 20, GSC Canada
   1996 - New Mineral Deposit Models of the Cordillera, MDRU
   1997 - Geochemical Exploration in Tropical Environments, MDRU
   1998 - Metallogeny of Volcanic Arcs, Cordilleran Roundup Short Course
   1999 - Volcanic Massive Sulphide Deposits, Cordilleran Roundup Short Course
   1999 - Pluton-Related (Thermal Aureole) Gold, Yukon Geoscience Forum
   2000 - Sediment Hosted Gold Deposits, MDRU
   2001 - Volcanic Processes, MDRU

4. did all the work and the writing of this report

5. have been on the Yukon Prospectors' Assistance and Yukon Mining Incentive Program 1986 - 2001

6. have been on the British Columbia Prospectors' Assistance Program 1989 - 1990, 2001

7. have a 100% interest in the claims described in this report at the present time

24 oct 2001

John Peter Ross

Appendix 4

Soil Geochemistry - Enzyme Leach Results

Enzyme Leach Job #: 22654 Report#: 22319 **Customer: John Peter Ross**

Trace element values are in parts per billion. Negative values equal NOT DETECTED at that lower limit. Elements arranged by suite and by atomic mass.

Values = 999999 are greater than the working range of the instrument. S.Q. = That element is determined SEMIQUANTITATIVELY.

Enhanced Package:	***Oxidation Suite:***																***Base Metals:***					***Base Metal - Chalcophile Associatic***							
Sample ID:	S.Q. Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	S.Q. Hg	Th	U		Co	Ni	Cu	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi
A+500 SW	32400	40	14	27.1	10.9	2	1.6	1.06	-0.5	0.9	-0.005	-0.005	-0.1	1.27	0.67		178.0	94.7	32.7	98	3.5	2.2	0.08	-0.1	7.6	-0.01	2.0	0.180	-0.5
A+450 SW	20800	24	22	20.2	6.8	1	1.4	1.00	-0.5	-0.1	-0.005	0.032	-0.1	0.72	0.50		108.0	33.4	21.3	46	4.3	2.4	0.06	-0.1	3.7	-0.01	1.0	0.171	-0.5
A+400 SW	18800	24	7	24.3	11.9	1	0.5	0.83	-0.5	-0.1	-0.005	0.016	-0.1	1.16	0.64		29.1	26.8	11.1	23	2.0	0.6	0.10	-0.1	2.2	-0.01	-0.2	0.087	-0.5
A+350 SW	19600	22	14	21.7	10.8	1	1.0	0.80	-0.5	-0.1	0.006	0.022	-0.1	0.62	0.55		8.2	17.8	17.2	33	2.0	0.8	-0.05	-0.1	1.8	-0.01	-0.2	0.058	-0.5
A+300 SW	15000	27	9	20.0	5.9	2	0.9	0.67	-0.5	-0.1	-0.005	0.008	-0.1	1.36	0.89		83.3	33.9	27.7	46	6.3	1.9	0.11	-0.1	2.9	-0.01	1.2	0.118	-0.5
A+250 SW	15000	22	8	26.6	13.3	-1	0.7	0.61	-0.5	0.1	-0.005	-0.005	-0.1	1.29	0.54		31.7	28.5	19.5	30	1.9	0.7	0.08	-0.1	2.2	-0.01	0.4	0.132	-0.5
A+200 SW	7260	25	10	17.2	7.8	-1	0.5	0.68	-0.5	-0.1	-0.005	-0.005	-0.1	1.46	0.55		26.1	40.7	17.9	29	3.8	0.6	-0.05	-0.1	2.5	-0.01	-0.2	0.108	-0.5
A+150 SW	12400	39	14	15.0	7.5	-1	0.4	0.68	-0.5	-0.1	-0.005	-0.005	-0.1	1.56	0.76		39.5	35.5	26.2	31	4.6	0.9	-0.05	-0.1	3.6	-0.01	-0.2	0.075	-0.5
A+100 SW	11600	19	7	23.7	8.0	-1	1.2	0.61	-0.5	0.2	-0.005	0.021	-0.1	1.02	0.45		33.8	26.4	31.4	31	3.2	1.2	0.15	-0.1	2.6	-0.01	0.2	0.125	-0.5
A+50 SW	4860	22	6	15.7	7.7	-1	0.4	0.61	-0.5	-0.1	0.007	0.034	-0.1	1.06	0.66		15.3	32.6	16.8	32	7.9	0.8	0.07	-0.1	1.5	-0.01	-0.2	0.109	-0.5
A	11000	43	14	19.7	6.8	-1	1.5	0.69	-0.5	-0.1	0.008	-0.005	-0.1	1.46	0.76		105.0	38.8	30.9	50	5.3	2.3	0.06	-0.1	2.7	-0.01	-0.2	0.127	-0.5
A+50 NE	12300	17	6	18.5	6.5	1	1.1	0.63	-0.5	-0.1	-0.005	-0.005	-0.1	1.60	0.50		97.7	43.9	26.0	65	3.7	1.9	0.10	-0.1	2.7	-0.01	0.3	0.148	-0.5
A+100 NE	12800	24	11	22.0	11.6	1	0.6	0.74	-0.5	-0.1	-0.005	-0.005	-0.1	1.69	0.57		59.9	77.0	39.5	80	3.2	1.1	-0.05	0.5	5.2	-0.01	-0.2	0.116	-0.5
A+150 NE	11500	38	15	18.1	7.3	-1	0.8	0.82	-0.5	-0.1	-0.005	0.020	-0.1	1.98	0.62		31.4	40.6	46.4	201	5.4	1.2	0.11	-0.1	3.5	0.01	0.2	0.127	-0.5
A+200 NE	8350	32	19	15.5	8.1	1	0.7	0.57	-0.5	-0.1	-0.005	0.007	-0.1	0.62	0.44		36.6	39.1	22.6	68	4.0	1.8	-0.05	-0.1	2.2	-0.01	-0.2	0.094	-0.5
A+250 NE	5100	25	8	13.6	4.7	1	0.5	0.51	-0.5	-0.1	-0.005	-0.005	-0.1	2.09	0.75		49.8	36.5	49.8	67	5.6	1.2	-0.05	-0.1	2.6	0.01	2.9	0.077	-0.5
A+300 NE	9290	49	12	14.5	5.1	1	0.3	0.58	-0.5	-0.1	-0.005	-0.005	-0.1	1.53	0.59		47.5	43.3	40.5	61	3.7	1.7	0.05	-0.1	1.9	-0.01	-0.2	0.070	-0.5
A+350 NE	8540	29	16	46.8	16.4	2	0.9	0.60	-0.5	0.3	-0.005	-0.005	-0.1	1.75	0.36		5.6	16.2	13.7	22	1.2	0.9	0.06	-0.1	0.6	-0.01	-0.2	0.070	-0.5
A+400 NE	5860	25	18	20.3	6.2	-1	0.6	0.53	-0.5	-0.1	-0.005	-0.005	-0.1	1.48	0.73		62.4	35.7	29.7	77	4.3	1.1	0.06	-0.1	3.7	-0.01	-0.2	0.096	-0.5
A+450 NE	7960	15	7	18.9	7.5	-1	0.4	0.58	-0.5	-0.1	-0.005	-0.005	-0.1	0.77	0.65		19.9	63.8	17.5	61	3.8	1.0	0.09	-0.1	3.1	-0.01	-0.2	0.077	-0.5
A+500 NE	7810	27	6	21.9	12.4	-1	0.7	0.47	-0.5	0.3	-0.005	0.011	-0.1	3.39	0.59		56.3	17.3	16.4	25	3.7	0.5	0.06	-0.1	1.3	-0.01	-0.2	0.029	-0.5

Certified By:

D. D'Anna, Dipl. T.
ICPMS Technical Manager, Activation Laboratories Ltd.

Date Received: July-17-2001

Date Reported: July-27-2001

Enzyme Leac
Trace element
Values = 9999

Enhanced Pac	***High-Field Strength Elements:***							***Rare Earth Elements:***												***Lithophile Elements:***							
Sample ID:	S.Q. Ti	S.Q. Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	S.Q. Li	Be	S.Q. Sc	Mn	Rb	Sr	Cs	Ba
A+500 SW	221	-3	5.29	8.9	0.3	0.29	-0.02	4.55	17.50	1.10	4.14	1.21	2.17	1.24	0.19	1.08	0.20	0.63	0.07	0.47	0.07	2.0	3.7	-10	25300.0	45.6	302.0	0.12	13800.0
A+450 SW	217	-3	9.17	4.7	0.4	0.11	-0.02	9.16	27.80	2.33	8.59	2.10	1.33	1.95	0.35	1.65	0.29	0.96	0.11	0.73	0.07	2.0	3.0	-10	42600.0	43.6	273.0	0.17	6120.0
A+400 SW	131	-3	3.77	5.8	0.2	0.16	-0.02	2.98	27.20	0.83	3.48	0.99	1.28	1.01	0.17	0.64	0.15	0.33	0.05	0.31	0.05	3.3	1.8	-10	2590.0	48.7	427.0	0.18	9170.0
A+350 SW	93	-3	4.54	4.3	0.2	0.07	-0.02	4.28	10.10	1.07	3.56	0.81	0.72	0.91	0.16	0.85	0.18	0.44	0.07	0.31	0.04	1.6	2.0	-10	704.0	42.5	292.0	0.17	3650.0
A+300 SW	123	-3	7.92	8.2	0.3	0.40	-0.02	8.02	28.40	1.73	7.04	1.58	1.47	1.73	0.30	1.42	0.35	0.86	0.08	0.64	0.09	2.5	4.1	-10	12500.0	33.4	152.0	0.15	8810.0
A+250 SW	137	-3	2.95	7.9	0.3	0.17	-0.02	2.32	6.22	0.60	2.61	0.63	1.51	0.74	0.12	0.58	0.10	0.32	0.05	0.29	0.04	2.3	1.0	-10	6760.0	59.6	834.0	0.13	11500.0
A+200 SW	164	-3	3.03	7.7	0.2	0.16	-0.02	2.22	5.03	0.59	2.26	0.57	0.90	0.66	0.12	0.57	0.11	0.30	0.03	0.28	0.04	3.0	2.4	-10	3450.0	52.7	293.0	0.13	7190.0
A+150 SW	158	-3	10.50	6.2	0.1	0.18	-0.02	9.16	20.80	2.39	9.29	1.88	1.04	2.11	0.36	1.88	0.35	0.90	0.12	0.82	0.11	2.2	3.5	-10	2860.0	51.1	206.0	0.11	5450.0
A+100 SW	157	-3	1.86	5.3	0.2	0.13	-0.02	2.27	2.99	0.49	1.76	0.49	0.82	0.66	0.07	0.46	0.07	0.20	0.03	0.12	0.02	2.7	1.3	-10	8650.0	47.5	592.0	0.15	6540.0
A+50 SW	89	-3	7.64	5.0	0.2	0.11	-0.02	6.83	15.70	1.58	6.51	1.34	1.43	1.50	0.28	1.36	0.25	0.81	0.10	0.65	0.08	2.8	4.0	-10	1410.0	53.8	78.3	0.18	8520.0
A	245	-3	4.05	8.0	0.4	0.20	-0.02	4.11	16.40	0.94	3.75	0.88	0.77	1.05	0.18	0.88	0.15	0.38	0.05	0.31	0.04	3.5	2.6	-10	29800.0	35.9	172.0	0.15	3890.0
A+50 NE	201	-3	3.09	6.9	0.2	0.15	-0.02	3.20	10.20	0.73	3.27	0.69	0.98	0.72	0.12	0.65	0.11	0.36	0.05	0.21	0.05	2.0	2.8	-10	19200.0	53.2	325.0	0.18	8770.0
A+100 NE	182	-3	4.91	7.0	0.3	0.18	-0.02	3.61	7.90	0.88	3.64	0.91	1.21	0.89	0.16	0.89	0.17	0.55	0.05	0.39	0.05	3.1	3.4	-10	4380.0	40.5	192.0	0.12	8320.0
A+150 NE	221	-3	2.66	7.7	0.3	0.18	-0.02	3.21	8.34	0.82	3.00	0.67	0.86	0.76	0.12	0.54	0.09	0.30	0.05	0.21	0.02	5.1	3.9	-10	4310.0	37.5	317.0	0.13	5760.0
A+200 NE	118	-3	3.19	4.1	0.4	0.10	-0.02	3.20	6.05	0.71	2.65	0.68	0.89	0.57	0.11	0.47	0.13	0.33	0.04	0.22	0.03	2.0	2.7	-10	15400.0	35.7	162.0	0.09	6860.0
A+250 NE	97	-3	4.69	10.3	0.2	0.27	-0.02	5.43	14.10	1.01	4.35	1.03	1.02	0.98	0.18	0.84	0.19	0.48	0.08	0.41	0.05	3.0	4.3	-10	7090.0	21.7	113.0	0.09	6420.0
A+300 NE	155	-3	4.59	6.7	0.1	0.18	-0.02	4.47	10.90	1.09	4.30	0.94	0.96	1.12	0.20	0.93	0.14	0.48	0.06	0.36	0.06	2.8	4.4	-10	4200.0	33.4	178.0	0.09	6540.0
A+350 NE	297	-3	0.75	7.1	0.4	0.17	-0.02	0.67	1.81	0.19	2.25	0.21	0.47	0.16	0.04	0.15	0.04	0.10	-0.01	0.11	-0.01	1.5	1.1	-10	684.0	36.5	1080.0	0.14	3630.0
A+400 NE	109	-3	4.42	6.7	0.2	0.17	-0.02	4.78	11.70	1.05	3.95	1.07	1.05	0.85	0.16	0.93	0.19	0.50	0.04	0.29	0.05	3.5	4.1	-10	7320.0	36.8	191.0	0.12	7350.0
A+450 NE	142	-3	2.87	3.9	0.4	0.11	-0.02	2.45	5.11	0.51	2.23	0.67	1.01	0.58	0.11	0.49	0.11	0.27	0.03	0.20	0.03	2.3	2.9	-10	3580.0	34.2	220.0	0.10	7510.0
A+500 NE	183	-3	1.90	6.1	0.3	0.19	-0.02	1.97	6.16	0.58	2.35	0.63	0.83	0.63	0.10	0.41	0.08	0.19	0.02	0.23	0.03	2.1	1.1	-10	2240.0	6.3	372.0	0.10	6320.0

Enzyme Leac
Trace element
Values = 9999
Enhanced Pac

Sample ID:	P.G.E. Ru	Pd	Os	Pt
A+500 SW	-0.5	-0.5	-0.5	-0.5
A+450 SW	-0.5	-0.5	-0.5	-0.5
A+400 SW	-0.5	-0.5	-0.5	-0.5
A+350 SW	-0.5	-0.5	-0.5	-0.5
A+300 SW	-0.5	-0.5	-0.5	-0.5
A+250 SW	-0.5	-0.5	-0.5	-0.5
A+200 SW	-0.5	-0.5	-0.5	-0.5
A+150 SW	-0.5	-0.5	-0.5	-0.5
A+100 SW	-0.5	-0.5	-0.5	-0.5
A+50 SW	-0.5	-0.5	-0.5	-0.5
A	-0.5	-0.5	-0.5	-0.5
A+50 NE	-0.5	-0.5	-0.5	-0.5
A+100 NE	-0.5	-0.5	-0.5	-0.5
A+150 NE	-0.5	-0.5	-0.5	-0.5
A+200 NE	-0.5	-0.5	-0.5	-0.5
A+250 NE	-0.5	-0.5	-0.5	-0.5
A+300 NE	-0.5	-0.5	-0.5	-0.5
A+350 NE	-0.5	-0.5	-0.5	-0.5
A+400 NE	-0.5	-0.5	-0.5	-0.5
A+450 NE	-0.5	-0.5	-0.5	-0.5
A+500 NE	-0.5	-0.5	-0.5	-0.5

Enzyme Leach Job #: 22654 Report#: 22319 **Customer: John Peter Ross**

Trace element values are in parts per billion. Negative values equal NOT DETECTED at that lower limit. Elements arranged by suite and by atomic mass.

Values = 999999 are greater than the working range of the instrument. S.Q. = That element is determined SEMIQUANTITATIVELY.

Enhanced Package: **Oxidation Suite:** **Base Metals:** **Base Metal - Chalcophile Associatic**

Sample ID:	OX SUITE	S.Q.	C	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	S.Q.	Hg	Th	U	BM	Co	Ni	Cu	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	ECHALC.
A+500 SW	113.3	32400	40	14		27.1	10.9	2	1.6	1.06	-0.5	0.9	-0.005	-0.005		-0.1	1.27	0.67	312.2	178.0	94.7	32.7	98	3.5	2.2	0.08	-0.1	7.6	-0.01	2.0	0.180	-0.5	14.7
A+450 SW	87.6	20800	24	22		20.2	6.8	1	1.4	1.00	-0.5	-0.1	-0.005	0.032		-0.1	0.72	0.50	179.6	108.0	33.4	21.3	46	4.3	2.4	0.06	-0.1	3.7	-0.01	1.0	0.171	-0.5	9.41
A+400 SW	66.7	18800	24	7		24.3	11.9	1	0.5	0.83	-0.5	-0.1	-0.005	0.016		-0.1	1.16	0.64	65.2	29.1	26.8	11.1	23	2.0	0.6	0.10	-0.1	2.2	-0.01	-0.2	0.087	-0.5	4.67
A+350 SW	76.4	19600	22	14		21.7	10.8	1	1.0	0.80	-0.5	-0.1	0.006	0.022		-0.1	0.62	0.55	60.4	8.2	17.8	17.2	33	2.0	0.8	-0.05	-0.1	1.8	-0.01	-0.2	0.058	-0.5	3.18
A+300 SW	65.9	15000	27	9		20.0	5.9	2	0.9	0.67	-0.5	-0.1	-0.005	0.008		-0.1	1.36	0.89	163.3	83.3	33.9	27.7	46	6.3	1.9	0.11	-0.1	2.9	-0.01	1.2	0.118	-0.5	8.28
A+250 SW	65.3	15000	22	8		26.6	13.3	-1	0.7	0.61	-0.5	0.1	-0.005	-0.005		-0.1	1.29	0.54	83.1	31.7	28.5	19.5	30	1.9	0.7	0.08	-0.1	2.2	-0.01	0.4	0.132	-0.5	5.42
A+200 SW	55.16	7260	25	10		17.2	7.8	-1	0.5	0.68	-0.5	-0.1	-0.005	-0.005		-0.1	1.46	0.55	76.8	26.1	40.7	17.9	29	3.8	0.6	-0.05	-0.1	2.5	-0.01	-0.2	0.108	-0.5	4.18
A+150 SW	76.9	12400	39	14		15.0	7.5	-1	0.4	0.68	-0.5	-0.1	-0.005	-0.005		-0.1	1.56	0.76	101.3	39.5	35.5	26.2	31	4.6	0.9	-0.05	-0.1	3.6	-0.01	-0.2	0.075	-0.5	5.25
A+100 SW	57.6	11600	19	7		23.7	8.0	-1	1.2	0.61	-0.5	0.2	-0.005	0.021		-0.1	1.02	0.45	99.4	33.8	26.4	31.4	31	3.2	1.2	0.15	-0.1	2.6	-0.01	0.2	0.125	-0.5	6.75
A+50 SW	44.56	4860	22	6		15.7	7.7	-1	0.4	0.61	-0.5	-0.1	0.007	0.034		-0.1	1.06	0.66	72	15.3	32.6	16.8	32	7.9	0.8	0.07	-0.1	1.5	-0.01	-0.2	0.109	-0.5	4.09
A	89.8	11000	43	14		19.7	6.8	-1	1.5	0.69	-0.5	-0.1	0.008	-0.005		-0.1	1.46	0.76	191.2	105.0	38.8	30.9	50	5.3	2.3	0.06	-0.1	2.7	-0.01	-0.2	0.127	-0.5	6.87
A+50 NE	52.5	12300	17	6		18.5	6.5	1	1.1	0.63	-0.5	-0.1	-0.005	-0.005		-0.1	1.60	0.50	182.8	97.7	43.9	26.0	65	3.7	1.9	0.10	-0.1	2.7	-0.01	0.3	0.148	-0.5	7.38
A+100 NE	65.7	12800	24	11		22.0	11.6	1	0.6	0.74	-0.5	-0.1	-0.005	-0.005		-0.1	1.69	0.57	182.6	59.9	77.0	39.5	80	3.2	1.1	-0.05	0.5	5.2	-0.01	-0.2	0.116	-0.5	7.46
A+150 NE	79.8	11500	38	15		18.1	7.3	-1	0.8	0.82	-0.5	-0.1	-0.005	0.020		-0.1	1.98	0.62	284.2	31.4	40.6	46.4	201	5.4	1.2	0.11	-0.1	3.5	0.01	0.2	0.127	-0.5	7.27
A+200 NE	74.45	8350	32	19		15.5	8.1	1	0.7	0.57	-0.5	-0.1	-0.005	0.007		-0.1	0.62	0.44	131.2	36.6	39.1	22.6	68	4.0	1.8	-0.05	-0.1	2.2	-0.01	-0.2	0.094	-0.5	4.94
A+250 NE	47.8	5100	25	8		13.6	4.7	1	0.5	0.51	-0.5	-0.1	-0.005	-0.005		-0.1	2.09	0.75	172.2	49.8	36.5	49.8	67	5.6	1.2	-0.05	-0.1	2.6	0.01	2.9	0.077	-0.5	7.47
A+300 NE	78.39	9290	49	12		14.5	5.1	1	0.3	0.58	-0.5	-0.1	-0.005	-0.005		-0.1	1.53	0.59	152.7	47.5	43.3	40.5	61	3.7	1.7	0.05	-0.1	1.9	-0.01	-0.2	0.070	-0.5	4.8
A+350 NE	78.94	8540	29	16		46.8	16.4	2	0.9	0.60	-0.5	0.3	-0.005	-0.005		-0.1	1.75	0.36	42.5	5.6	16.2	13.7	22	1.2	0.9	0.06	-0.1	0.6	-0.01	-0.2	0.070	-0.5	2.8
A+400 NE	61.06	5860	25	18		20.3	6.2	-1	0.6	0.53	-0.5	-0.1	-0.005	-0.005		-0.1	1.48	0.73	173.4	62.4	35.7	29.7	77	4.3	1.1	0.06	-0.1	3.7	-0.01	-0.2	0.096	-0.5	6.36
A+450 NE	41.46	7960	15	7		18.9	7.5	-1	0.4	0.58	-0.5	-0.1	-0.005	-0.005		-0.1	0.77	0.65	102.2	19.9	63.8	17.5	61	3.8	1.0	0.09	-0.1	3.1	-0.01	-0.2	0.077	-0.5	5.77
A+500 NE	60.2	7810	27	6		21.9	12.4	-1	0.7	0.47	-0.5	0.3	-0.005	0.011		-0.1	3.39	0.59	101.4	56.3	17.3	16.4	25	3.7	0.5	0.06	-0.1	1.3	-0.01	-0.2	0.029	-0.5	2.69

Certified By:

D. D'Anna, Dipl. T.
ICPMS Technical Manager, Activation Laboratories Ltd.

Date Received: July-17-2001

Date Reported: July-27-2001

Enzyme Leac
Trace element
Values = 9999
Enhanced Pac

	High-Field Strength Elements:							***Rare Earth Elements:***															***Lithophile Elements:***							
Sample ID:	S.Q. Ti	S.Q. Cr	Y	Zr	Nb	Hf	Ta	La	Ce (x 1/10)	Pr	Nd	Sm	Eu	Gd	Tb (x10)	Dy	Ho (x10)	Er (x10)	Tm (x10)	Yb (x10)	Lu (x10)	Σ RARE EARTHS	S.Q. Li	Be	S.Q. Sc	Mn	Rb	Sr	Cs	Ba
A+500 SW	221	-3	5.29	8.9	0.3	0.29	-0.02	4.55	17.50	1.10	4.14	1.21	2.17	1.24	0.19	1.08	0.20	0.63	0.07	0.47	0.07	33.54	2.0	3.7	-10	25300.0	45.6	302.0	0.12	13800.0
A+450 SW	217	-3	9.17	4.7	0.4	0.11	-0.02	9.16	27.80	2.33	8.59	2.10	1.33	1.95	0.35	1.65	0.29	0.96	0.11	0.73	0.07	54.99	2.0	3.0	-10	42600.0	43.6	273.0	0.17	6120.0
A+400 SW	131	-3	3.77	5.8	0.2	0.16	-0.02	2.98	27.20	0.83	3.48	0.99	1.28	1.01	0.17	0.64	0.15	0.33	0.05	0.31	0.05	24.53	3.3	1.8	-10	2590.0	48.7	427.0	0.18	9170.0
A+350 SW	93	-3	4.54	4.3	0.2	0.07	-0.02	4.28	10.10	1.07	3.56	0.81	0.72	0.91	0.16	0.85	0.18	0.44	0.07	0.31	0.04	25.21	1.6	2.0	-10	704.0	42.5	292.0	0.17	3650.0
A+300 SW	123	-3	7.92	8.2	0.3	0.40	-0.02	8.02	28.40	1.73	7.04	1.58	1.47	1.73	0.30	1.42	0.35	0.86	0.08	0.64	0.09	49.03	2.5	4.1	-10	12500.0	33.4	152.0	0.15	8810.0
A+250 SW	137	-3	2.95	7.9	0.3	0.17	-0.02	2.32	6.22	0.60	2.61	0.63	1.51	0.74	0.12	0.58	0.10	0.32	0.05	0.29	0.04	18.81	2.3	1.0	-10	6760.0	59.6	834.0	0.13	11500.0
A+200 SW	164	-3	3.03	7.7	0.2	0.16	-0.02	2.22	5.03	0.59	2.26	0.57	0.90	0.66	0.12	0.57	0.11	0.30	0.03	0.28	0.04	17.07	3.0	2.4	-10	3450.0	52.7	293.0	0.13	7190.0
A+150 SW	158	-3	10.50	6.2	0.1	0.18	-0.02	9.16	20.80	2.39	9.29	1.88	1.04	2.11	0.36	1.88	0.35	0.90	0.12	0.82	0.11	56.43	2.2	3.5	-10	2860.0	51.1	206.0	0.11	5450.0
A+100 SW	157	-3	1.86	5.3	0.2	0.13	-0.02	2.27	2.99	0.49	1.76	0.49	0.82	0.66	0.07	0.46	0.07	0.20	0.03	0.12	0.02	12.35	2.7	1.3	-10	8650.0	47.5	592.0	0.15	6540.0
A+50 SW	89	-3	7.64	5.0	0.2	0.11	-0.02	6.83	15.70	1.58	6.51	1.34	1.43	1.50	0.28	1.36	0.25	0.81	0.10	0.65	0.08	43.82	2.8	4.0	-10	1410.0	53.8	78.3	0.18	8520.0
A	245	-3	4.05	8.0	0.4	0.20	-0.02	4.11	16.40	0.94	3.75	0.88	0.77	1.05	0.18	0.88	0.15	0.38	0.05	0.31	0.04	25.12	3.5	2.6	-10	29800.0	35.9	172.0	0.15	3890.0
A+50 NE	201	-3	3.09	6.9	0.2	0.15	-0.02	3.20	10.20	0.73	3.27	0.69	0.98	0.72	0.12	0.65	0.11	0.36	0.05	0.21	0.05	20.26	2.0	2.8	-10	19200.0	53.2	325.0	0.18	8770.0
A+100 NE	182	-3	4.91	7.0	0.3	0.18	-0.02	3.61	7.90	0.88	3.64	0.91	1.21	0.89	0.16	0.89	0.17	0.55	0.05	0.39	0.05	26.52	3.1	3.4	-10	4380.0	40.5	192.0	0.12	8320.0
A+150 NE	221	-3	2.66	7.7	0.3	0.18	-0.02	3.21	8.34	0.82	3.00	0.67	0.86	0.76	0.12	0.54	0.09	0.30	0.05	0.21	0.02	18.59	5.1	3.9	-10	4310.0	37.5	317.0	0.13	5760.0
A+200 NE	118	-3	3.19	4.1	0.4	0.10	-0.02	3.20	6.05	0.71	2.65	0.68	0.89	0.57	0.11	0.47	0.13	0.33	0.04	0.22	0.03	18.38	2.0	2.7	-10	15400.0	35.7	162.0	0.09	6860.0
A+250 NE	97	-3	4.69	10.3	0.2	0.27	-0.02	5.43	14.10	1.01	4.35	1.03	1.02	0.98	0.18	0.84	0.19	0.48	0.08	0.41	0.05	29.97	3.0	4.3	-10	7090.0	21.7	113.0	0.09	6420.0
A+300 NE	155	-3	4.59	6.7	0.1	0.18	-0.02	4.47	10.90	1.09	4.30	0.94	0.96	1.12	0.20	0.93	0.14	0.48	0.06	0.36	0.06	27.9	2.8	4.4	-10	4200.0	33.4	178.0	0.09	6540.0
A+350 NE	297	-3	0.75	7.1	0.4	0.17	-0.02	0.67	1.81	0.19	2.25	0.21	0.47	0.16	0.04	0.15	0.04	0.10	-0.01	0.11	-0.01	9.28	1.5	1.1	-10	684.0	36.5	1080.0	0.14	3630.0
A+400 NE	109	-3	4.42	6.7	0.2	0.17	-0.02	4.78	11.70	1.05	3.95	1.07	1.05	0.85	0.16	0.93	0.19	0.50	0.04	0.29	0.05	27.15	3.5	4.1	-10	7320.0	36.8	191.0	0.12	7350.0
A+450 NE	142	-3	2.87	3.9	0.4	0.11	-0.02	2.45	5.11	0.51	2.23	0.67	1.01	0.58	0.11	0.49	0.11	0.27	0.03	0.20	0.03	15.95	2.3	2.9	-10	3580.0	34.2	220.0	0.10	7510.0
A+500 NE	183	-3	1.90	6.1	0.3	0.19	-0.02	1.97	6.16	0.58	2.35	0.63	0.83	0.63	0.10	0.41	0.08	0.19	0.02	0.23	0.03	14.51	2.1	1.1	-10	2240.0	6.3	372.0	0.10	6320.0

Σ RARE EARTHS