

88-001

GEOCHEMICAL REPORT

ARC (1-9) CLAIMS
(YB07826-YB07834)

CLAIM SHEET 115 H 4

LAT. $61^{\circ}13'$ LONG. $137^{\circ}40'$

REPORT by

J. PETER ROSS
BOX 4842
WHITEHORSE
YUKON TERRITORY
CANADA Y1A 4N8

WORK DONE: JUNE; 21, 26, 29 JULY; 28($\frac{1}{2}$), 29($\frac{2}{2}$), 30, 31
AUGUST; 2($\frac{1}{2}$), 6, 10, 11, 14($\frac{1}{2}$)
OCT. 11

ARC PROPERTY

INTRODUCTION

STAKED IN 1987 BY J. PETER ROSS ON BASIS OF A GEOCHEM SURVEY RELEASED BY GOVT. IN AUGUST 1986.

PROPERTY, LOCATION, ACCESS

THE 20 ARC CLAIMS ARE BROKEN INTO 2 GROUPS. RECORDED BY J. PETER ROSS AND REGISTERED IN THE WHITEHORSE MINING DISTRICT

<u>CLAIM NAME</u>	<u>RECORD NUMBERS</u>	<u>EXPIRY DATE</u>
ARC (1-9)	YB07826-YB07834	SEPT. 3, 1988,

LOCATION

LAT. $61^{\circ}13'$ LONG $137^{\circ}40'$

CLAIM MAP

115H4

ACCESS IN 1988 WAS BY HELICOPTER AND 42 MILES NORTH OF HAINES JUNCTION

PREVIOUS WORK

NO HISTORY OF FORMER WORK OR OLD POSTS WERE FOUND.

PHYSIOLOGY AND GLACIATION

THE AREA HAS BEEN RECENTLY GLACIATED. MANY BEDROCK EXPOSURES ARE PRESENT. EVEN AT LOW ELEVATIONS. TREELINE IS PLUS OR MINUS 4500' DEPENDING ON NORTH OR SOUTH EXPOSURES.

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THE PROPERTY LIES WITHIN THE COAST PLUTONIC COMPLEX. THE ROCK TYPE (PAPER 73-41) IS RUBY RANGE GRANIDIORITE OF THE MESOZOIC AGE. MANY LARGE AND SMALL FAULTS ARE PRESENT. MANY MINERALIZED FLOAT WERE FOUND.

GEOCHEMISTRY

SOIL SAMPLES WERE TAKEN ON FAULTS AND IN FLOAT AREAS. MANY WERE ANOMOLOUS FOR GOLD, ARSENIC, AND SILVER. ROCK SAMPLES WERE ALSO.

DISCUSSION

THE CLAIMS SHOULD BE KEPT.

TECHNIQUES OF GEOCHEMICAL ANALYSIS

SILTS SCREENED TO -80 MESH. GOLD SAMPLES WERE 30 GMS. AND DONE BY FIRE ASSAY (5 PPB DET), 31 ELEMENTS DONE BY (HNO₃-HCl HOT EXTRACTION AND PLASMA EMISSION SPEC). Hg DONE BY FLAMELESS AA.

QUALIFICATIONS

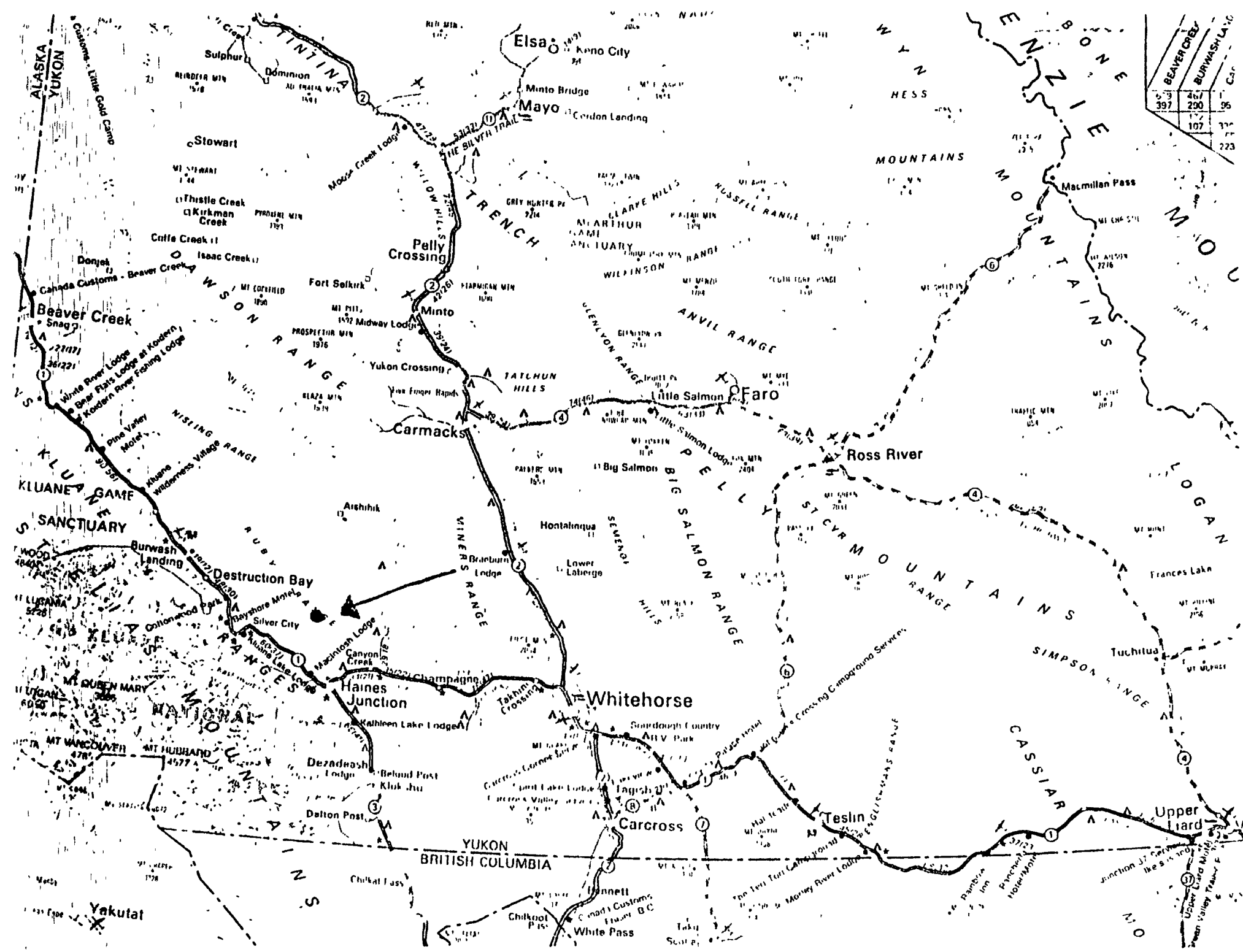
I, J. PETER ROSS, DECLARE

1. I GRADUATED MCGILL UNIV. 1970 BSc (GENERAL)
2. I HAVE TAKEN 3 PROSPECTING ~~EX~~ COURSES
1974 BC-YUKON CHAMBER MINES
1978 UKHM STAFF COURSE
1987 YUKON CHAMBER MINES (ADVANCED)
3. I HAVE PRACTICAL EXPERIENCE AS A PROSPECTOR

J PETER ROSS B.Sc.

STATEMENT OF EXPENDITURES (ARC 1-9)

GEOCHEMICAL SAMPLES		
REPARATION OF REPORT		90
LABOUR JUNE 21, 26, 29 10 x \$50		500
JULY 28($\frac{1}{2}$), 29($\frac{1}{2}$), 30, 31		
AUG 2($\frac{1}{2}$), 6, 10, 11, 14($\frac{1}{2}$)		
CAMP + MISC 10 x \$35		350
TRANSPORT HI-MILEAGE 60 x 2		30
HELICOPTER 854 x $\frac{1}{2}$		427
		<u>1297</u>



	BEAVER CREEK	BURWASH LAKE	Car
1	397	290	98
2	107	77	223

Yakutat

Upper Gard Mt



	79	81	83	85	87	89
2	YB21794	YB21796	YB21798	YB21800	YB21802	YB21804
	80	82	84	86	88	90
3	ACE YB21795	YB21797	YB21799	YB21801	YB21803	YB21805



J.P.R. (K.G)

ACME ANALYTICAL LABORATORIES LTD.

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE (604) 253-3158 FAX (604) 253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR NH FR SR CA P LA CR NG BA TI B V AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: P1 SOIL P2 ROCK AU ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: AUG 30 1988

DATE REPORT MAILED: Sept 8/88

ASSAYER: C. Leong... D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

NORANDA EXPLORATION PROJECT 8809-002 312 File # 88-4064 Page 1

Table with columns: SAMPLE#, No, Cu, Pb, Zn, Ag, W, Co, Mn, Fe, As, U, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, B, Al, Na, K, V, Au*, Hg. Rows include samples Q1, Q1 D, Q2 POST, Q2, Q3, Q4, Q4 B, Q5, Q5 A1, Q6, Q5 A6, Q7, Q8, Q9, Q10, Q11, Q12, STD C/AU-5.

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not an DR(1-9)

REPORT: V88-115693.11

PROJECT: NONF GTVH-N

PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPM	Ag PPM	As PPM	B PPM	Ba PPM	Be PPM	Bi PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM
(D) R2 R1		1405	1.5	>2000	<2	265	<4.0	30	<126	13	5	51
(D) R2 R2		2605	7.5	>2000	<2	162	<4.0	25	<156	6	<2	21
(B) R2 R7		2180	>50.0	>2000	<2	34	<4.0	201	<595	<5	9	21
(B) R2 R8		8070	>50.0	>2000	<2	36	<4.0	369	<438	<5	6	55
(B) R2 R9		1844	30.1	>2000	<2	22	<4.0	60	<347	<5	<2	62
✓ R2 R11A		1500	25.5	>2000	<2	56	<4.0	<5	25	31	<2	39
✓ R2 R11B		1722	>50.0	>2000	<2	88	<4.0	114	<109	7	<2	100
R2 R14	60' W (A)	630	2.7	>2000	<2	34	<4.0	8	<143	14	4	33
(C) R2 R18		408	16.6	>2000	<2	121	<4.0	22	61	<5	<2	84
(E) R2 R19		267	0.7	>2000	<2	22	<4.0	8	<177	<5	23	67
(E) R2 R25A		297	0.6	>2000	<2	11	<4.0	<5	45	<5	3	57
X R2 R27		5221	>50.0	>2000	<2	99	<4.0	65	<550	<5	<2	18
X R2 R35A		3909	29.7	>2000	<2	47	<4.0	72	<553	<5	<2	18
X R2 R35B		3883	>50.0	>2000	<2	39	<4.0	97	<745	<5	<2	45
(B) R2 R36		594	23.5	>2000	<2	106	<4.0	51	107	<5	3	48
(D) R2 R38		946	5.8	>2000	<2	174	<4.0	15	22	7	<2	40
(D) R2 R39		1377	7.7	>2000	<2	403	<4.0	21	<93	10	3	52
(D) R2 R40		1551	3.6	>2000	<2	135	<4.0	13	<28	<5	<2	80
(H) R2 R43		236	<0.5	>2000	<2	126	<4.0	<5	20	<5	2	70
(H) R2 R44		1826	>50.0	>2000	<2	295	<4.0	15	66	<5	2	69
(J) R2 R45		675	9.6	>2000	<2	87	<4.0	8	30	<5	3	136
(J) R2 R46		3569	>50.0	>2000	<2	38	<4.0	78	<512	8	11	38
(J) R2 R48		455	7.4	>2000	<2	95	<4.0	11	33	<5	<2	85
(J) R2 R49		540	1.8	>2000	<2	96	<4.0	6	76	6	4	63
X R2 R52		434	5.2	>2000	<2	41	<4.0	16	<66	<5	<2	107

X not on claims ARC (1-9).

REPORT: V88-05693.6

SAMPLE NUMBER	ELEMENT UNITS	Ag GMT	Cu PCT
R2 R7	5.5	171.4	
R2 R8	1.0	122.4	
R2 R11B	3.4	110.7	
R2 R27	6.5	202.6	1.79
R2 R35B	3.0	68.9	
R2 R44	1.0	30.9	
R2 R46	2.5	88.1	

03/10m

Sampler **LKNE**

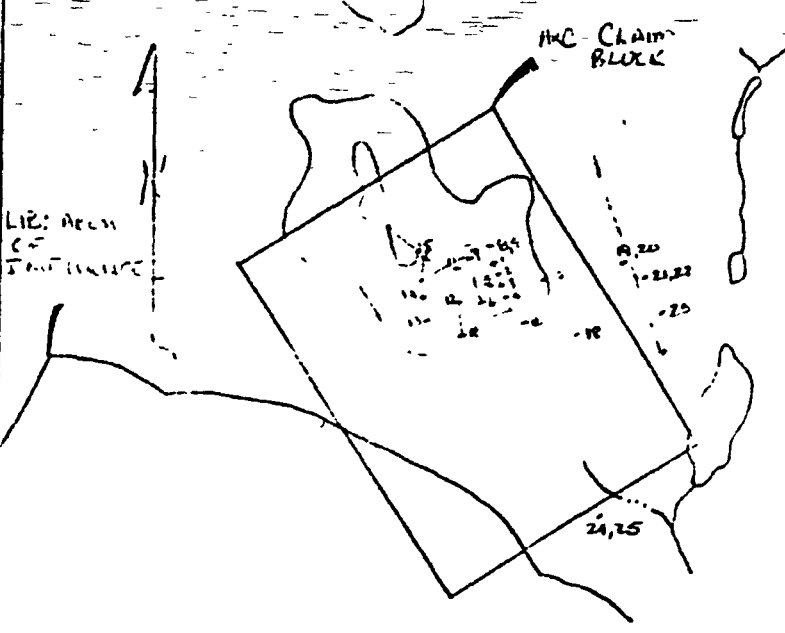
Location/Target (words) **PROSPECT - 'ARC' (LUMS W/ PETER PUS)**

Sample Nos **NONE 113 114**

Date **June 26th**

Photo no.

Cert. Nos **A1-A2425**



- ADA - SLIGHTLY OR VUGGY VN QZ [BLOCKY WHT] TRACE CHALCO PYRITE - 70% AS PYRITE STRAIN.
- AE - MODERATELY VN QZ - SLIGHT MN STAINING - CORE OF MATRIX HAS 2 XSTAL GROWTH
- AG - BLOCKY WHT VN QZ - SLIGHT MN STAINING - CORE OF MATRIX HAS 2 XSTAL GROWTH
- 12 - BLOCKY WHT VN QZ - 5% PYRITE LIGNING (SLIGHTLY CX) - 10-20% SI XSTAL GROWTH
- 13 - MODERATELY VN QZ - STRONG, VUGGY & TEXTURE & LIMONITIC - 5% GR.
- 14 - SLIGHTLY VN QZ - 5% PYRITE, 10% AS PYRITE - 2% GALENA - 20% CHALCO
- 15 - MODERATELY VN QZ - 7% DISSON AS PYRITE
- 16 - SLIGHTLY CX BLOCKY WHT VN QZ W/ TRACE DISSON AS PYRITE
- 17 - STRONGLY CX VN QZ - 20% PYRITE, 15% MOLING, 5% SULFOSATE; 50% OF FLOAT IS LIMONITE, 5% GRAY QZ W/ SULFOSATE.
- 18 - STRONGLY CX SILICIOUS LIMONITE - MODERATE MN STAINING W/ NO VISIBLE MN.
- 19 - STRONGLY CX VN QZ W/ MN STAINING (VUGGY); 3-5% BLOBBY AS PYRITE
- 20 - BLOCKY WHT VN QZ W/ SLIGHT MN STAINING & TRACE AS PYRITE.
- 21 - SLIGHTLY PHYLITIC QZ UNING; SLIGHTLY CX W/ TRACE MN, 2% MOLING IN BLUE & TRACE GALENA
- 22 - MODERATELY VN QZ - 5% LIMONITE - 50% YELLOW STAINING
- 23 - BROWN/RED SOIL
- 24 - BLOCKY WHT QZ UNING W/ CHLORITIC AITN, 3-5mm BAND OF AS PYRITE ON EDGE
- 25 - LIMONITIC QZ UNING W/ MODERATE MN STAINING - CORE OF MATRIX IS MASS. AS PYRITE [30%] W/ 10% SULFOSATE.
- 26 - BLOCKY WHT QZ UNING W/ CHLORITIC AITN & 3-5% DISSON AS PYRITE
- 27 - STRONGLY CX QZ VN (10cm WIDTH) FOUND IN PLATE [STRIKE 020°, DIP 64°]; 30-40% AS PYR & 10-15% SULFOSATE - 5% GRAY-BLUE QZ IN CORE OF MATRIX
- 28 - AS PYRITE STRINGERS IN GRANO DIDRINE FRACTURES, STRONG CHLORITIC ALTERATION STRINGERS ARE 1-2mm WIDTH. 5% AS HAS MIGRATED TO WALL ROCK

NOTE: All SAMPLE ARE FLOAT FROM FLOAT TRAINS ~ 1METER WIDE EXCEPT FOR A24,25.

DON'T FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED - INFERRED - ASSUMED
 SPECIMEN SITE A.B. : DO NOT WRITE ON OTHER SIDE OR USE COLOURS
 VOLCANIC CONGLOMERATE SILTSTONE SILT X SOL ROCK PAN WATER
 INTRUSIVE LIMONITE CHERT SHALE
 GOSSAN MINERALS



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE. NORTH VANCOUVER
BRITISH COLUMBIA CANADA V7J-1C1

PHONE (604) 984-9221

to MER CATIRO & ASSOC. (1981) LTD.

BOX 4127, 3125 3RD AVE.
WHITEHORSE, Y.1
Y1A 3S9

Project SHIT
Comments

Page No :
Tot Pages 1
Date : 7-JUL-88
Invoice # I-8818142
P O # NONE

CERTIFICATE OF ANALYSIS A8818142

SAMPLE DESCRIPTION	PREP CODE	AD oz/T RUSH							
6501 A1-A	236	---	0.106						
6502 B	236	---	0.206						
6503 C	236	---	0.160						
6504 A2	236	---	0.002						
6505 3	236	---	0.022						
6506 4	236	---	0.046						
6507 5	236	---	0.319						
6508 C	236	---	0.046						
6509 7	236	---	0.002						
6510 8	236	---	0.012						
6511 9	236	---	0.026						
6512 10	236	---	0.008						
6513 11	236	---	0.012						
6514 12	236	---	0.006						
6515 13	236	---	< 0.002						
6516 14	236	---	0.004						
6517 15	236	---	0.002						
6518 16	236	---	0.002						
6519 17	236	---	< 0.002						
6520 18	236	---	0.002						
6521 19	236	---	0.016						
6522 20	236	---	0.018						
6523 21	236	---	0.024						
6524 22	236	---	0.004						
6525 23	236	---	0.138						
6526 24	236	---							
6527 25	236	---	0.004						

ALL ASSAY DETERMINATIONS ARE PERFORMED OR SUPERVISED BY CC CERTIFIED ASSAYERS

CERTIFICATION

GEOCHEMICAL REPORT

ARC (10-20) CLAIMS
(Y807835 - Y807845)

CLAIM SHEET 115 H 4

LAT. $61^{\circ}13'$ LONG. $137^{\circ}40'$

REPORT by

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BOX 4842
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CANADA Y1A 4N8

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AUG; 1, 2($\frac{1}{2}$), 3, 4, 5, 7, 8, 9, 12, 13, 14($\frac{1}{2}$)

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CLAIM MAP

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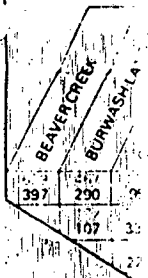
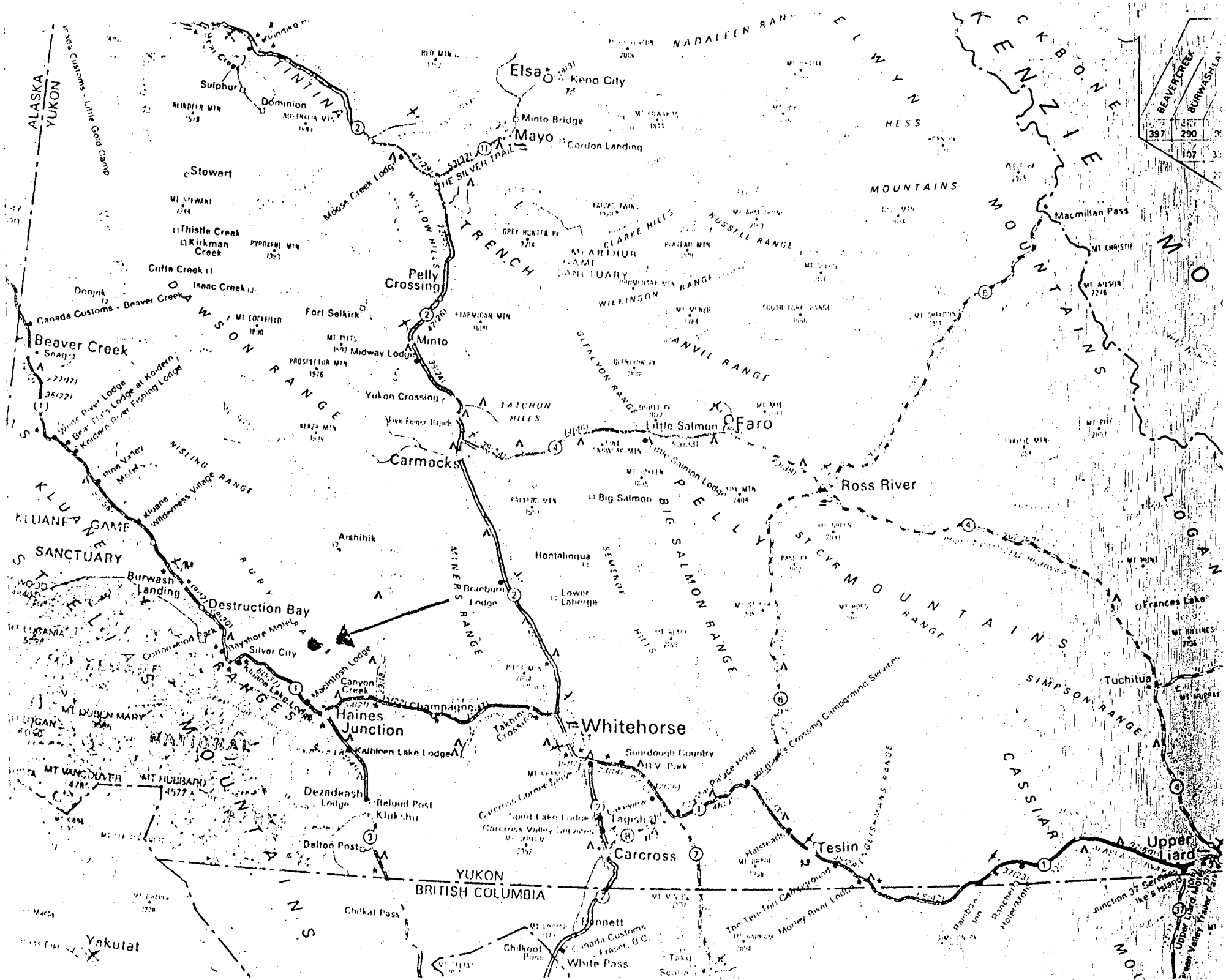
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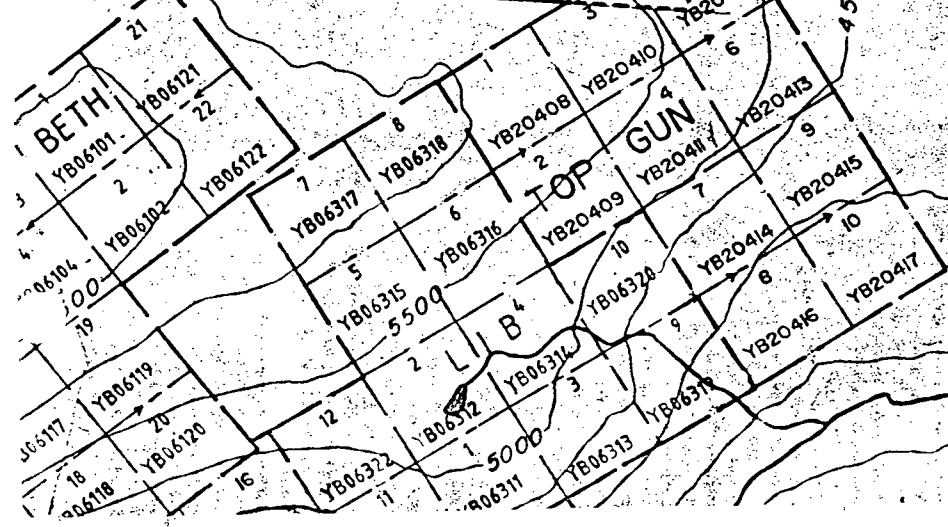
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PROJECT: NONF-GTUN

PAGE 1A

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R2 R44	1.0	30.9	
R2 R46	2.5	88.1	

J.P.R. (K.G)

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E (S)

(E) (E)

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Sampler WENE

Location, Target (words) PROSPECT

Sample Nos. NONE 115 116 117

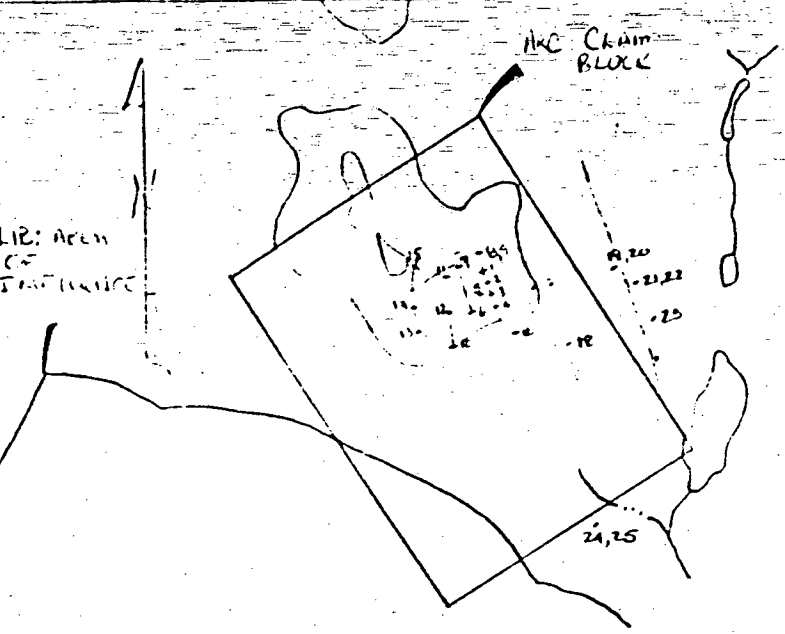
Date June 26th

ARC (LAWNS w/ METEORITE)
photo no. P.U.S.

Cert. Nos. A1-A24,25

VERTICAL SCALE: 0 1000 2000
SPECIMEN SITE A.B...; DO NOT WRITE ON OTHER SIDE OR USE COLOURS
GOSSEN'S MINERALS
INTRUSIVE
LIMONITE
SILT X SOL
ROCK
SHALE
CHERT
VOLCANIC
CONGLOMERATE
SANDSTONE
SILTSTONE

DON'T FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED - - - INFERRED - - - ASSUMED - - -



- ADA - SLIGHTLY OX VUGGY VN QTZ [BLOCKY WHT] TRACE CHALCO PYRITE - 70% AS PYRITE STRAIN.
- AD B - STRONGLY OX LIMONITIC QTZ EPS - NO VISIBLE MIN
- AD C - STRONGLY OX VN QTZ - SLIGHT MN STAINING - CORE OF MATRIX HAS SI XSTAL GROWTH W/ 10% SEMI-MASSIVE PATCHES AS PYRITE & TRACE PYRITE.
- AD - BLOCKY WHT VN QTZ - 5% PYRITE LEACHING (SLIGHTLY OX) - 10-20% SI XSTAL GROWTH
- AD - MODERATELY OX VN QTZ - STRONG OX, VUGGY & TEXTURE & LIMONITIC - 5% GROSS
- AD - STRONG OX & FOLIATED VN QTZ - 5% PYRITE, 10% AS PYRITE - 2% GALENA - 20% GROSS
- AD - SLIGHTLY OX VN QTZ UNING W/ ~15% AS PYRITE FINELY DISSEM.
- AD - MODERATELY OX VN QTZ W/ ~7% DISSEM AS PYRITE
- AD - SLIGHTLY OX BLOCKY WHT VN QTZ W/ TRACE DISSEM AS PYRITE
- AD - STRONGLY OX VN QTZ - 20% PYRITE, 15% ARSENIC, 5% SULFOSALTS; 50% OF FLOAT IS UNING QTZ, 50% GRAY QTZ W/ SULFOSALTS.
- AD - STRONGLY OX SILICIOUS LIMONITE - MODERATE MN STAINING W/ NO VISIBLE MIN
- AD - STRONGLY OX VN QTZ W/ MN STAINING (VUGGY); 3-7% BLOCKY AS PYRITE
- AD - BLOCKY WHT VN QTZ W/ SLIGHT MN STAINING & TRACE AS PYRITE.
- AD - SLIGHTLY PHYLITIC QTZ UNING; SLIGHTLY OX W/ TRACE MIN; 2% ARSENIC IN BLENDS & TRACE GALENA.
- AD - MODERATE OX, VUGGY QTZ BLEND (QTZ & CALCITE) TRACE AS PYRITE.
- AD - STRONGLY OX & SLIGHTLY LIMONITIC GRANO DIORITE - NO VISIBLE MIN.
- AD - MODERATELY OX BLOCKY WHT QTZ W/ 40% CALCITE IN MATRIX - TRACE AS PYRITE
- AD - SLIGHTLY OX QTZ UNING W/ 20% SI XSTAL GROWTH & 5% ARSENIC PYRITE - APPEARS SLIGHTLY FOLIATED - ~10% KAOLINITE FELDSPARS IN 1 PART OF ROCK.
- AD - FINE GRAINED [DARK] APPALITE DYKE. 2-3% PYRRHOTITE. [NOT FOR ASSAY]
- AD - MODERATELY OX QTZ VN W/ MODERATE MN STAINING 5-10% MUSCOVITE IN MATRIX TRACE AS PYRITE.
- AD - BLOCKY WHT VN QTZ - 5% LIMONITIC - 50% YELLOW STAINED
- AD - BROWN/RED SOIL
- AD - BLOCKY WHT QTZ UNING W/ CHLORITIC AITN; 3-5mm BAND OF AS PYRITE ON 1 EDGE
- AD - LIMONITIC QTZ UNING W/ MODERATE MN STAINING - CORE OF MATRIX IS MASSIVE AS PYRITE [30%] W/ 10% SULFOSALTS -
- AD - BLOCKY WHT QTZ UNING W/ CHLORITIC AITN & ~3-5% DISSEM AS PYRITE
- AD - STRONGLY OX QTZ VN (10cm WIDTH) FOUND IN PLACE [STRIKE 020°, DIP 60°]; 30-40% AS PYR & 10-15% SULFOSALTS - 5% GRAY-BLUE QTZ IN CORE OF MATRIX
- AD - 1% PYRITE STRINGERS IN GRANO DIORITE FRACTURES. STRONG CHLORITIC MICKATION. STRINGERS ARE 1-2mm WIDTH. 5% AS HAS MIGRATED TO WALL ROCK.

NOTE: All SAMPLE ARE FLOAT FROM FLOAT TRINIS ~ 1 METER WIDE EXCEPT FOR A24,25.



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Project: SHUT
Comments:

Page: 1
Tot. Pages: 1
Date: 7-JUL-88
Invoice #: I-8818142
P.O. #: NONE

CERTIFICATE OF ANALYSIS A8818142

SAMPLE DESCRIPTION	PREP CODE		Au oz/T RUSH
6501 A1-A	236	---	0.106
6502 B	236	---	0.206
6503 C	236	---	0.160
6504 A2	236	---	0.002
6505 3	236	---	0.022
6506 4	236	---	0.046
6507 5	236	---	0.319
6508 C	236	---	0.046
6509 7	236	---	0.002
6510 8	236	---	0.012
6511 9	236	---	0.026
6512 10	236	---	0.008
6513 11	236	---	0.012
6514 12	236	---	0.006
6515 13	236	---	< 0.002
6516 14	236	---	0.004
6517 15	236	---	0.002
6518 16	236	---	0.002
6519 17	236	---	< 0.002
6520 18	236	---	0.002
6521 19	236	---	0.016
6522 20	236	---	0.018
6524 22	236	---	0.024
6525 23	236	---	0.004
6526 24	236	---	0.138
6527 25	236	---	0.004