ARIS SUMMARY SHEET

District Geologist, Victoria Off Confidential: 89.04.08

ASSESSMENT REPORT 17408 MINING DIVISION: Nanaimo

PROPERTY: Arrowsmith
LOCATION: LAT 49 13 00 LONG 124 38 00
UTM 10 5452606 381051
NTS 092F02E
CLAIM(S): Arrowsmith
OPERATOR(S): Edsons Res.
AUTHOR(S): Angus, S.
REPORT YEAR: 1988, 44 Pages
COMMODITIES
SEARCHED FOR: Gold
GEOLOGICAL
SUMMARY:

The claims are underlain by Cretaceous Nanaimo Group sediments, Triassic Vancouver Group volcanics and Paleozoic Sicker Group sediments and volcanics.

The rocks trend north-northwest and dip to the east and are intruded by a Tertiary granite. There are no known mineral occurrences of significance on the property.

WORK
DONE: Geochemical
SOIL 265 sample(s) ;ME,AU

GEOCHEMICAL REPORT ON

ARROWSMITH GROUP

NANAIMO MINING DIVISION

49°13'N - 124°38'W

92F/2 & 7E

BY

SCOTT E. ANGUS, PROSPECTOR

VANCOUVER, BRITISH COLUMBIA

APRIL 15, 1988

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REPORT ON

ARROWSMITH GROUP

SUMMARY

Preliminary geochemical work was carried out on the Arrowsmith 1 claim of the Arrowsmith claim group; located 10 km east of Port Alberni during February 1988.

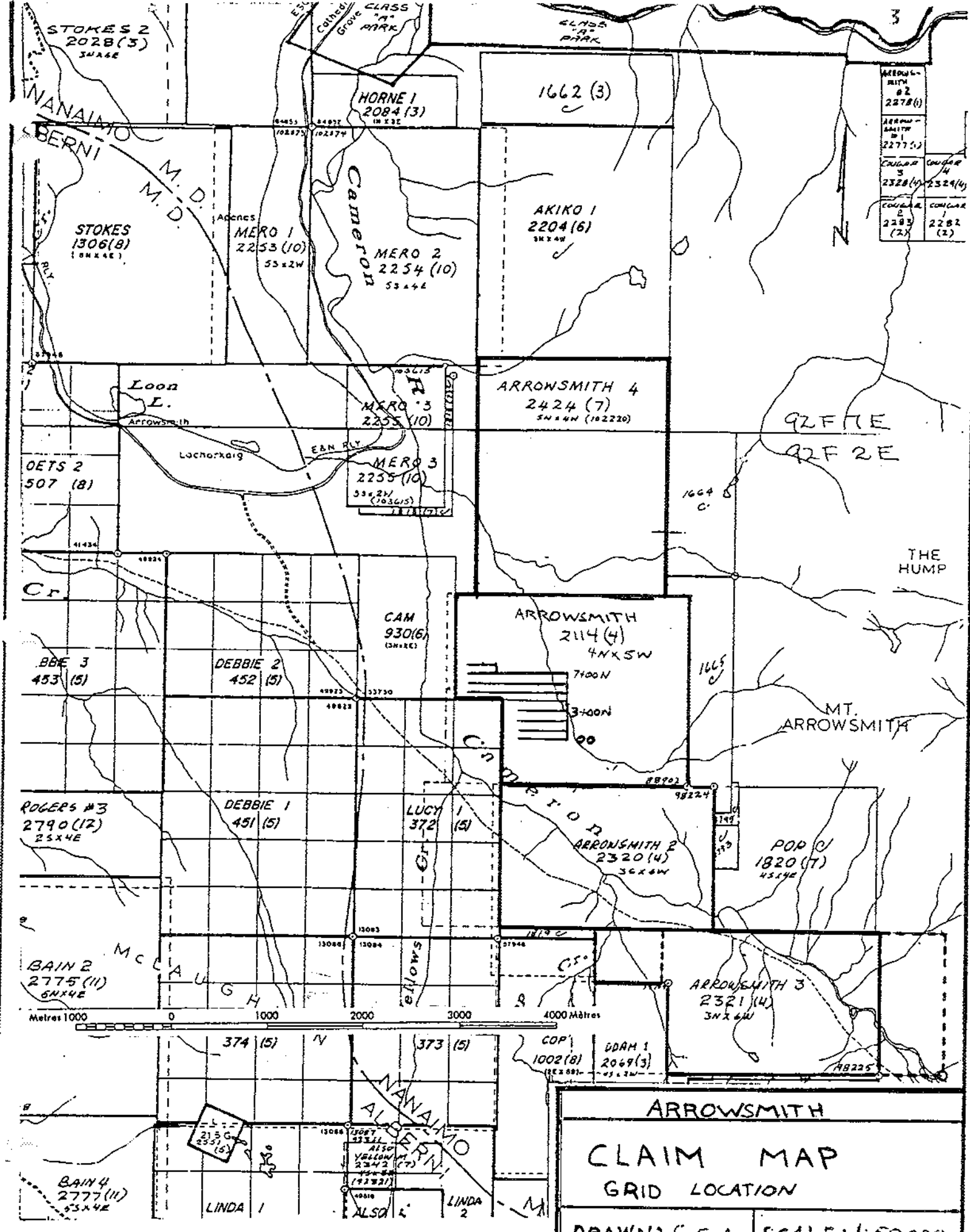
265 soil samples were collected from a grided area on the east side of the Cameron River.

ARROWSMITH GROUP

INTRODUCTION:

The following report has been prepared to fulfill the requirements of the Mineral Act regarding the application of geochemical surveys for assessment work.

The survey was carried out by A.E. Angus and S.E. Angus between February 23 and March 1, 1988.



NOTE: ARROWSMITH 3 LCP IS AS SHOWN BY DASH LINE

ARROWSMITH

CLAIM MAP

GRID LOCATION

DRAWN: S.E.A.	SCALE: 1:50,000
DATE: APRIL 15/88	MAP NO: 92F/2E, 7E

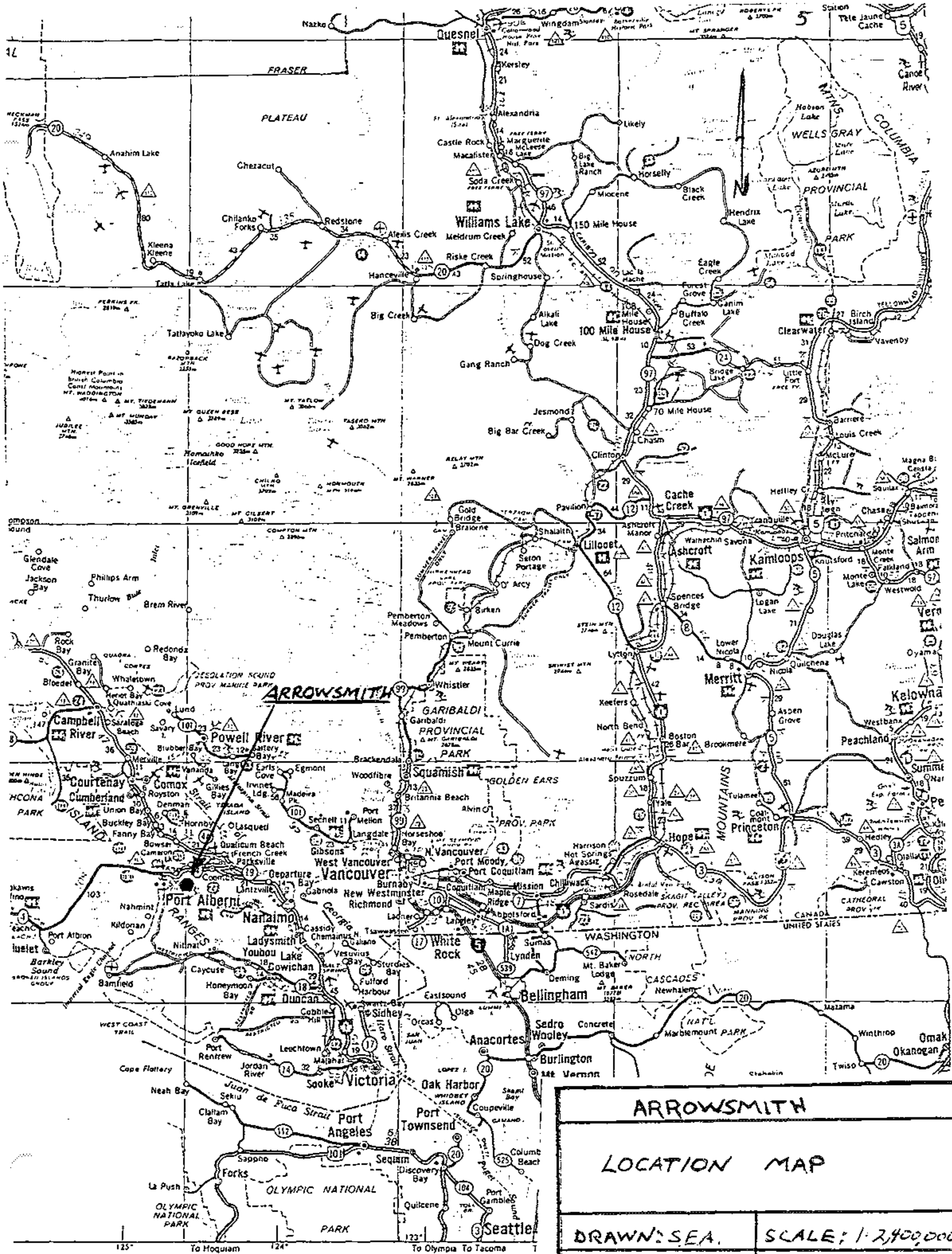
PROPERTY

The property consists of the following four adjoining claims:

CLAIM	RECORD NO.	UNITS	LOCATED	ANN.DATE	LOCATOR
Arrowsmith	2114	20	11/4/85	11/4/88	S.E. Angus
Arrowsmith 1	2320	18	11/4/86	11/4/88	S.E. Angus
Arrowsmith 2	2321	18	11/4/86	11/4/88	A.E. Angus
Arrowsmith 3	2424	20	15/7/86	11/4/88	A.E. Angus

On the accompanying plan of the claims the correct location of the LCP for the Arrowsmith 3 claim is shown by the dashed boundary line.

These claims were grouped on March 24, 1987 as the Arrowsmith Group. Notice to group no. 1531.



ARROWSMITH

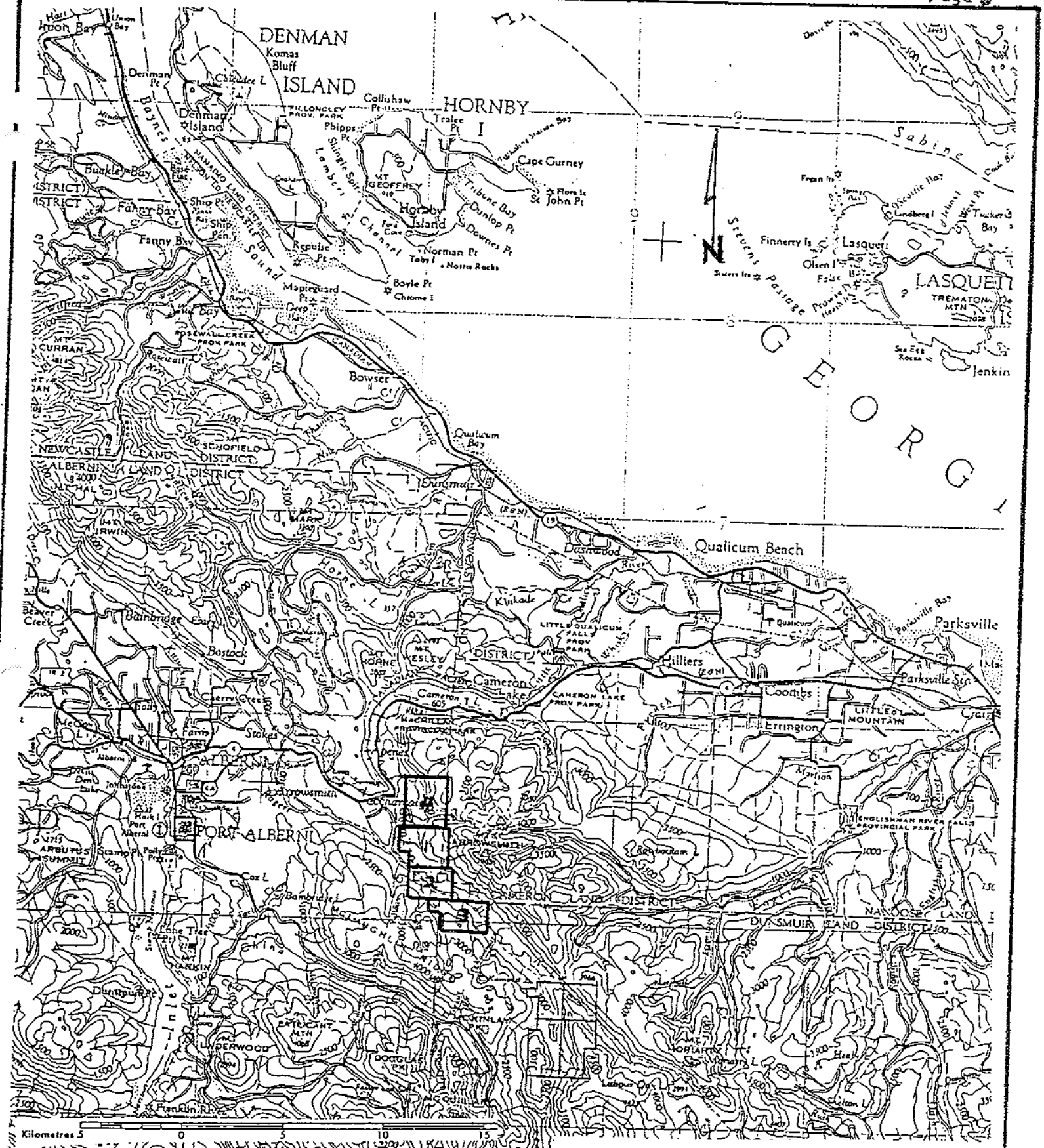
LOCATION MAP

DRAWN: SEA.

SCALE: 1:2,400,000

DATE: APRIL 15/88

MAP NO. 92 F



ARROWSMITH	
LOCATION MAP	
DRAWN: S.E.A.	SCALE: 1:250,000
DATE: APRIL 15/88	MAP NO: 92F

LOCATION & ACCESS

The claims are located 10 km due east of Port Alberni on Vancouver Island.

The Mt. Arrowsmith ski hill road leaves the paved No. 4 Highway 8 km. east of Port Alberni and travels southeast across the property.

Most of the claim area has recently been clear logged by MacMillan Bloedell so there is good access to all the property.

HISTORY

The Arrowsmith claims were staked in 1985 and 1986.

In 1987, 373 soil samples were collected from two grided areas on the Arrowsmith 2 & 3 claims. the samples were analysed for gold and a 28 element I.C.P. assay. Except for isolated copper highs no anomalous conditions were indicated from the survey. The results of this survey can be found in assessment report (not yet released) dated April 30, 1987 by J.W. MacLeod, P. Eng.

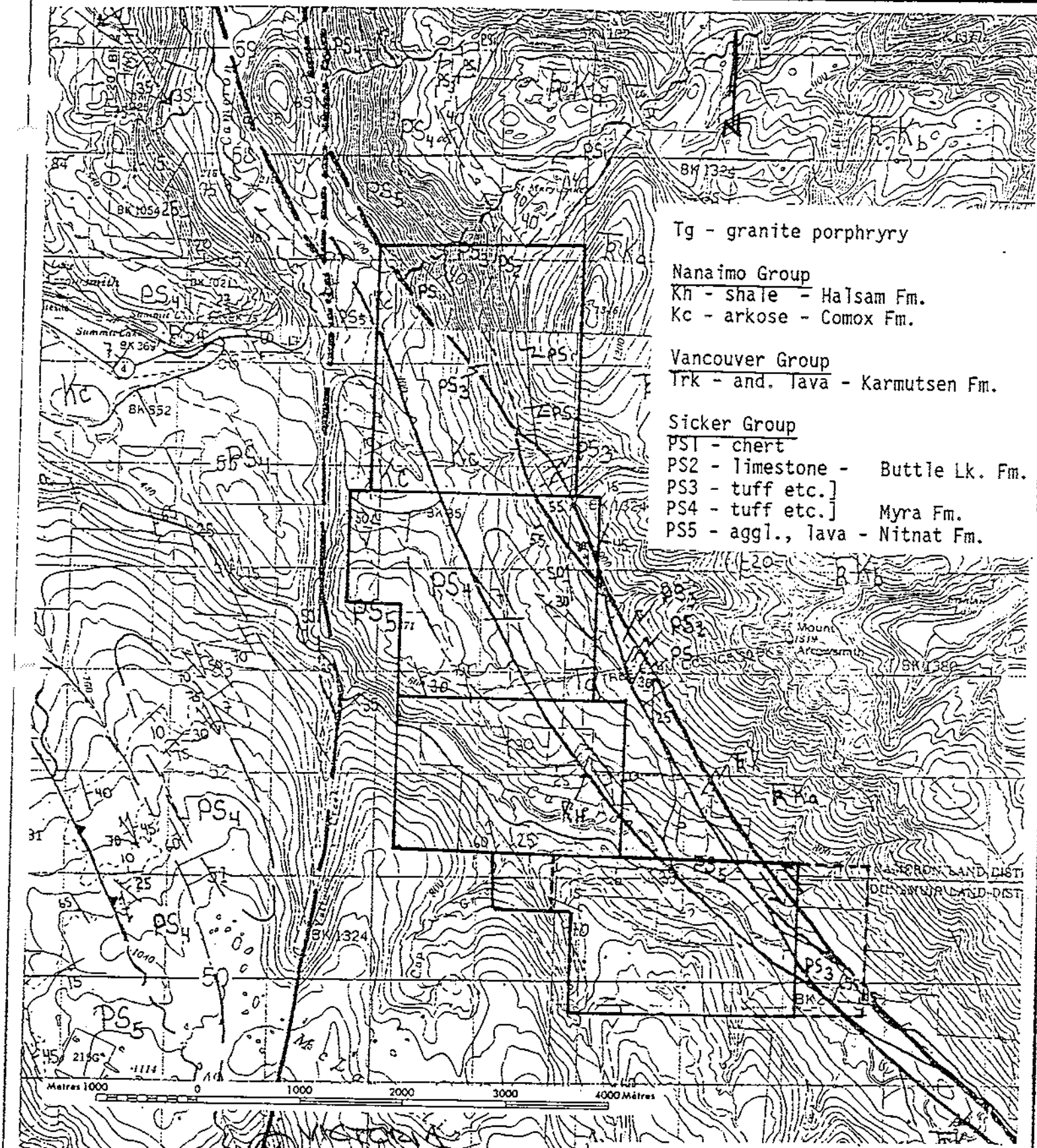
About 3 km to the southwest on the adjoining Debbie group of claims the Vancouver Island Gold Company was active between 1896 and 1939 when 483 tons produced 384 ounces of gold. Presently Reward, Angle, Nexus and Westmin Resources are driving a 1.2 mile exploration drift on this property.

GENERAL

The claim group stradles the steep slopes of the Cameron River valley with elevations ranging from 400 to 1000 metres.

Practically all of the property has recently been clear logged so there is good access to all of the ground. The logged areas have been exceptionally cleared making good walking.

The area is typical of heavy coastal precipitation with heavy snowfall at the higher elevations which accomodate the Arrowsmith ski area located just east of the property.



ARROWSMITH

GEOLOGY

from O.F. 1272

DRAWN: S.E.A.	SCALE: 1:50,000
DATE: APRIL 15/88	MAP NO: 92F/2+7E

GEOLOGY

The accompanying geological plan is taken from G.S.C. Open File 1272 compiled by Sutherland Brown, Yarath, Andosam and Dom.

There follows a table of formations for the rocks underlying the Arrowsmith Group:

Tertiary	-	Tg - granite porphyry
		Nanaimo Group
Cretaceous	-	Kh - shale - Halsam Fm. Kc - arkose - Comox Fm.
		Vancouver Group
Triassic	-	Trk - and. lava - Karmutsen Fm.
		Sicker Group
Paleozoic	-	PS1 - chert
	-	PS2 - limestone - Buttle Lk. Fm.
	-	PS3 - tuff etc.)
	-	PS4 - tuff etc.) - Myra Fm.
	-	PS5 - aggl. lava - Nitnat Fm.

Recent discoveries of volcanogenic type mineralization in addition to the classic Buttle Lake deposit has focused exploration activity on the sicker Group of rocks which host these deposits.

The Myra Formation made up primarily of tuffs is the favorable mineral horizon.

The exposures noted during the survey generally conform to the accompanying plan except for a large area of outcropping of a coarse conglomerate on Arrowsmith 3 claim.

STRUCTURE

The property is crossed by a series of north northwest trending faulting which probably accounts for the buff weathering of the rocks on the north side of the Cameron River in contrast to the massive green volcanics on the south side.

In general the rocks trend north-northwest and dip to the east. The faulting probably occurs along the axial fold of an anticline.

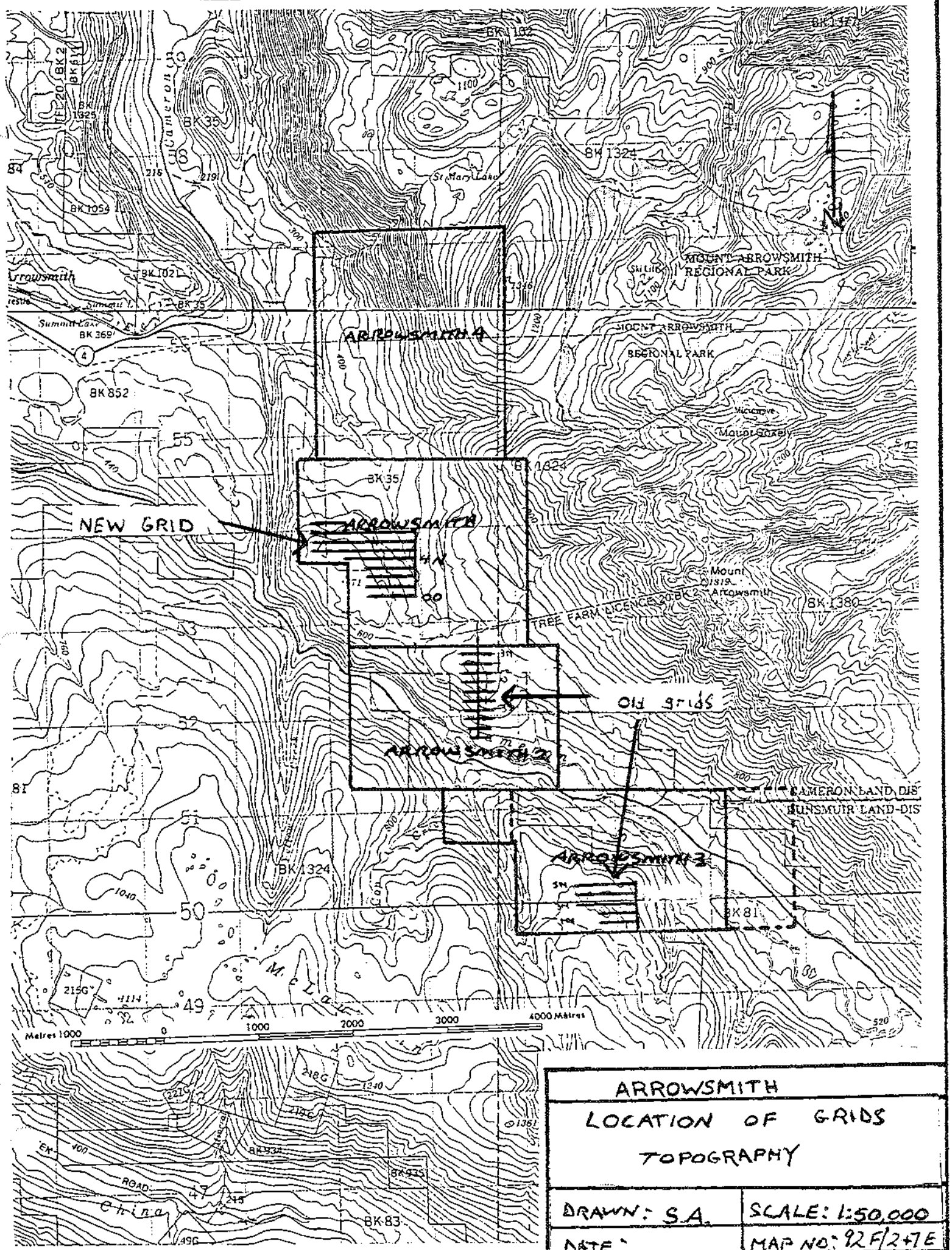
MINERAL OCCURENCES

On the Arrowsmith claims, copper stain is associated with jasper lenses occurring along flow contacts close to the south boundary of Arrowsmith 3. Similar jasperoid and scattered qtz veining was noted on the north side of the Cameron River on Arrowsmith 2. Minor pyrite and scattered qtz veining was noted throughout the Arrowsmith 1 claim.

On the adjoining claims to the west, Westmin Resources, Nexus Resources and Angle Resources are undertaking an extensive exploration program on the Debbie group of claims. They have recently announced economic potential of 1,189,000 tons grading 0.17 ounces per ton gold. The mineralization is in structurally controlled zones in the Nitnat and Myra formations.

The Yellow claims, which are surrounded by the Debbie claims were a past producer when Vancouver Island gold mines extracted 384 oz. Au. from 483 tons of ore. This was from high grade quartz vein material. Recent drilling by Westmin Res. Angle Res. and Reward Res. indicates this to be the same zone as the Debbie, with the potential for the same tonnage and grade.

In view of the recent discoveries on the adjoining ground within the same sicker rock formation makes the Arrowsmith claim a good target for gold exploration.



ARROWSMITH

LOCATION OF GRIDS

TOPOGRAPHY

DRAWN: S.A.	SCALE: 1:50,000
DATE:	MAP NO: 92F/2+7E

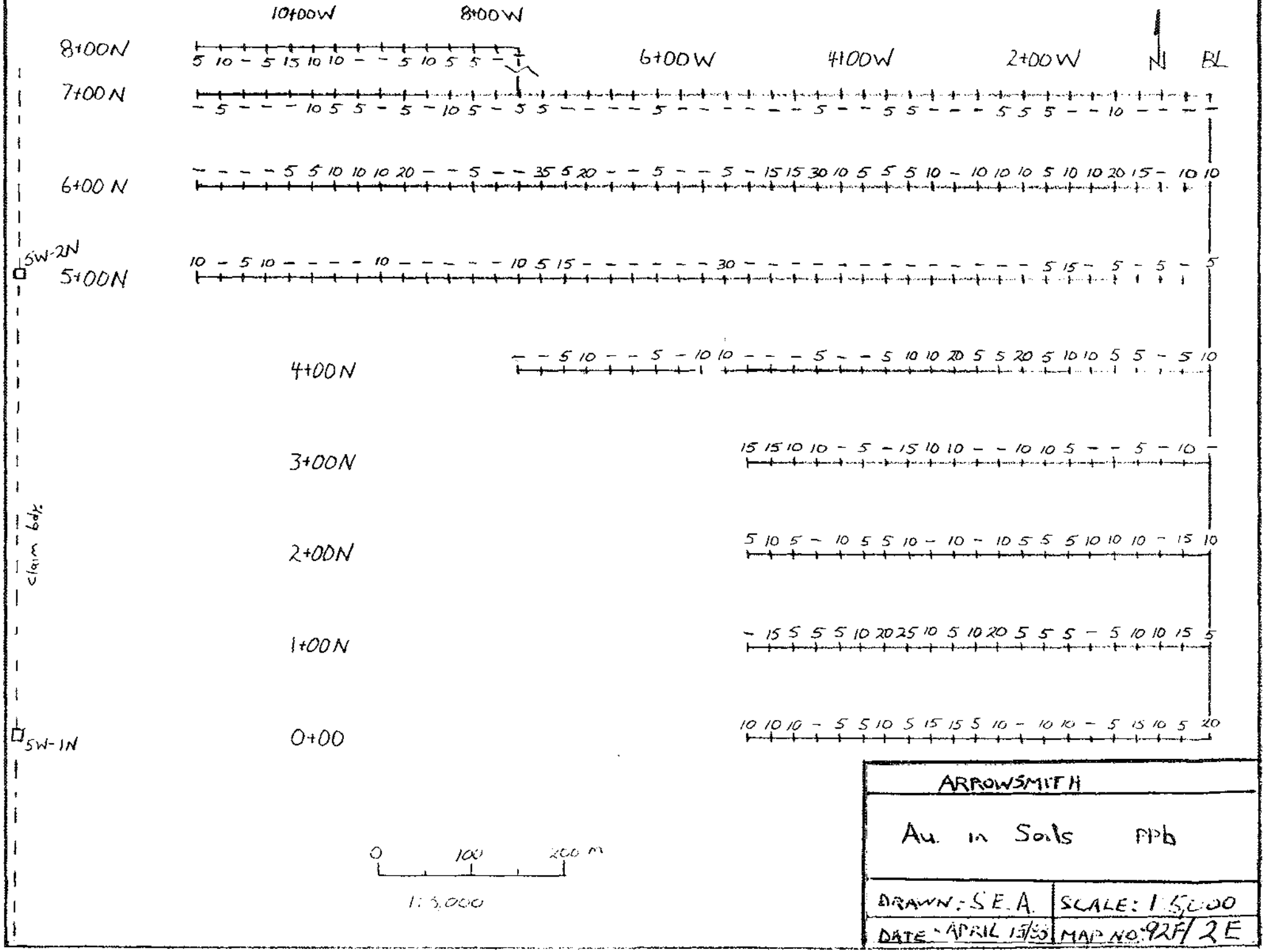
GEOCHEMICAL SURVEY

Except for the narrow river valley where deep gravel overburden can be expected the claim area covering the sides of the valley is lightly overburdened and therefore ideally suited to geochemical exploration.

In the area selected for sampling the overburden is generally less than 1 metre. A thin layer of "A" horizon is underlain by well developed "B" horizon soil.

The 265 soil samples collected were analyzed by fusion method for gold and a multiple element analysis was made by Induced Couple Plasma Spectrometer.

The results were disappointing, with the highest gold geochem being 35 ppb.


10+00W
8+00W
8+00N
6+00W
4+00W
2+00W
N
BL
7+00N
6+00 N
5W-2N
5+00N
4+00N
3+00N
2+00N
1+00N
5W-1N
0+00
claim edge
0
100
200 m
1:5,000
ARROWSMITH
Au in Soils ppb
DRAWN: S.E.A.
SCALE: 1:5000
DATE: APRIL 15/93
MAP NO: 92F/2E

CONCLUSIONS

The area sampled does not indicate the presence of any economic mineralization.

This is only a small portion of the Arrowsmith property and in view of the encouraging gold discoveries on the adjoining property to the west the remainder of the claims should be subject to detailed prospecting and geological mapping.

APPENDIX 1

ASSAY PROCEDURES

VANGEOCHEM LAB LIMITED

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(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

TO: Scott Angus
EDSONS RESOURCES LTD.
12719 24A Avenue.
Surrey, B.C. V4A 2V3

FROM: Vangeochem Lab Limited
1521 Pemberton Avenue
North Vancouver, British Columbia
V7P 2S3

SUBJECT: Analytical procedure used to determine Aqua Regia soluble gold in geochemical samples.

1. Method of Sample Preparation

(a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" x 6", Kraft paper bags. Rock samples would be received in poly ore bags.

(b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.

(c) Dried rock samples were crushed using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for subsequent analyses.

2. Method of Digestion

(a) 5.00 to 10.00 grams of the minus 80-mesh portion of the samples were used. Samples were weighed out using an electronic micro-balance and deposited into beakers.

(b) Using a 20 ml solution of Aqua Regia (3:1 solution of HCl to HNO3), each sample was vigorously digested over a hot plate.

(c) The digested samples were filtered and the washed pulps were discarded. The filtrate was then reduced in volume to about 5 ml.

VGC

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(d) Au complex ions were then extracted into a di-isobutyl ketone and thiourea medium (Anion exchange liquids "Aliquot 336").

(e) Separatory funnels were used to separate the organic layer.

3. Method of Detection

The detection of Au was performed with a Techtron model AA5 Atomic Absorption Spectrophotometer with a gold hollow cathode lamp. The results were read out onto a strip chart recorder. A hydrogen lamp was used to correct any background interferences. The gold values, in parts per billion, were calculated by comparing them with a set of gold standards.

4. Analysts

The analyses were supervised or determined by Mr. Conway Chun or Mr. Eddie Tang and his laboratory staff.

Eddie Tang
VANGEOCHEM LAB LIMITED

VGC

VANGEOCHEM LAB LIMITED

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TO: Scott Angus
EDSONS RESOURCES LTD.
12719 24A Avenue.
Surrey, B.C. V4A 2V3

FROM: Vangeochem Lab Limited
1521 Pemberton Avenue
North Vancouver, British Columbia
V7P 2S3

SUBJECT: Analytical procedure used to determine hot acid soluble for 28 element scan by Inductively Coupled Plasma Spectrophotometry in geochemical silt and soil samples.

1. Method of Sample Preparation

(a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" x 6", Kraft paper bags. Rock samples would be received in poly ore bags.

(b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.

(c) Dried rock samples were crushed using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for subsequent analyses.

2. Method of Digestion

(a) 0.50 gram portions of the minus 80-mesh samples were used. Samples were weighed out using an electronic balance.

(b) Samples were digested with a 5 ml solution of HCL:HNO3:H2O in the ratio of 3:1:2 in a 95 degree Celsius water bath for 90 minutes.

(c) The digested samples are then removed from the bath and bulked up to 10 ml total volume with dimineralized water and thoroughly mixed.

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3. Method of Analyses

The ICP analyses elements were determined by using a Jarrel-Ash ICAP model 9000 directly reading the spectrophotometric emissions. All major matrix and trace elements are interelement corrected. All data are subsequently stored onto disk.

4. Analysts

The analyses were supervised or determined by either Mr. Eddie Tang, and, the laboratory staff.

Eddie Tang
VANGEOCHEM LAB LIMITED

APPENDIX 2

ASSAY RESULTS

VANGEOCHEM LAB LIMITED

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GEOCHEMICAL ANALYTICAL REPORT

CLIENT: EDSON RESOURCES LTD.
ADDRESS: 12474 Crescent Rd.
: Surrey, B.C.
: V4A 2V3

DATE: Apr 12 1988
REPORT#: 880370 GA
JOB#: 880370

PROJECT#: None given
SAMPLES ARRIVED: Apr 07 1988
REPORT COMPLETED: Apr 12 1988
ANALYSED FOR: Au ICP

INVOICE#: 880370 NA
TOTAL SAMPLES: 265
SAMPLE TYPE: 265 Soil
REJECTS: DISCARDED

SAMPLES FROM: Surrey, British Columbia
COPY SENT TO: All copies sent to Surrey, B.C. office.

PREPARED FOR: Mr. Scott Angus

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: Invoice sent to Surrey office.

VANGEOCHEM LAB LIMITED

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REPORT NUMBER: 880370 GA JOB NUMBER: 880370 EDSON RESOURCES LTD.

SAMPLE #		Au ppb
L0+00		20
L0+00	0+25W	5
L0+00	0+50W	10
L0+00	0+75W	15
L0+00	1+00W	5
L0+00	1+25W	nd
L0+00	1+50W	10
L0+00	1+75W	10
L0+00	2+00W	nd
L0+00	2+25W	10
L0+00	2+50W	5
L0+00	2+75W	15
L0+00	3+00W	15
L0+00	3+25W	5
L0+00	3+50W	10
L0+00	3+75W	5
L0+00	4+00W	5
L0+00	4+25W	nd
L0+00	4+50W	10
L0+00	4+75W	10
L0+00	5+00W	10
L1+00N	BL	5
L1+00	0+25W	15
L1+00	0+50W	10
L1+00	0+75W	10
L1+00	1+00W	5
L1+00	1+25W	nd
L1+00	1+50W	5
L1+00	1+75W	5
L1+00	2+00W	5
L1+00	2+25W	20
L1+00	2+50W	10
L1+00	2+75W	5
L1+00	3+00W	10
L1+00	3+25W	25
L1+00	3+50W	20
L1+00	3+75W	10
L1+00	4+00W	5
L1+00	4+25W	5
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #		Au ppb
L1+00	4+50W	5
L1+00	4+75W	15
L1+00	5+00W	nd
L2+00	BL	10
L2+00N	0+25W	15
L2+00N	0+50W	nd
L2+00N	0+75W	10
L2+00N	1+00W	10
L2+00N	1+25W	10
L2+00N	1+50W	5
L2+00N	1+75W	5
L2+00N	2+00W	5
L2+00N	2+25W	10
L2+00N	2+50W	nd
L2+00N	2+75W	10
L2+00N	3+00W	nd
L2+00N	3+25W	10
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L2+00N	3+75W	5
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L3+00	2+25W	nd
L3+00	2+50W	nd
L3+00	2+75W	10
L3+00	3+00W	10
L3+00	3+25W	15
L3+00	3+50W	nd
DETECTION LIMIT		5

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SAMPLE #		Au ppb
L3+00	3+75W	5
L3+00	4+00W	nd
L3+00	4+25W	10
L3+00	4+50W	10
L3+00	4+75W	15
L3+00	5+00W	15
L4+00	BL	10
L4+00	0+25W	5
L4+00	0+50W	nd
L4+00	0+75W	5
L4+00	1+00W	5
L4+00	1+25W	10
L4+00	1+50W	10
L4+00	1+75W	5
L4+00	2+00W	20
L4+00	2+25W	5
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L4+00	2+75W	20
L4+00	3+00W	10
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L4+00	5+75W	nd
L4+00	6+00W	5
L4+00	6+25W	nd
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L4+00	6+75W	10
L4+00	7+00W	5
L4+00N	7+25W	nd
L4+00	7+50W	nd
L5+00	BL	5
L5+00	0+25W	nd
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #		Au ppb
L5+00	0+50W	5
L5+00	0+75W	nd
L5+00	1+00W	5
L5+00	1+25W	nd
L5+00	1+50W	15
L5+00	1+75W	5
L5+00	2+00W	nd
L5+00	2+25W	nd
L5+00	2+50W	nd
L5+00	2+75W	nd
L5+00	3+00W	nd
L5+00	3+25W	nd
L5+00	3+50W	nd
L5+00	3+75W	nd
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L5+00	8+00W	nd
L5+00	8+25W	nd
L5+00	8+50W	nd
L5+00	8+75W	nd
L5+00	9+00W	10
L5+00	9+25W	nd
L5+00	9+50W	nd
L5+00	9+75W	nd
L5+00	10+00W	nd
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #		Au ppb
L5+00	10+25W	10
L5+00	10+50W	5
L5+00	10+75W	nd
L5+00	11+00W	10
L6+00N	BL	10
L6+00N	0+25W	10
L6+00N	0+50W	nd
L6+00N	0+75W	15
L6+00N	1+00W	20
L6+00N	1+25W	10
L6+00N	1+50W	10
L6+00N	1+75W	5
L6+00N	2+00W	10
L6+00N	2+25W	10
L6+00N	2+50W	10
L6+00N	2+75W	nd
L6+00N	3+00W	10
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L6+00N	4+50W	15
L6+00N	4+75W	15
L6+00N	5+00W	nd
L6+00N	5+25W	5
L6+00N	5+50W	nd
L6+00N	5+75W	nd
L6+00N	6+00W	5
L6+00N	6+25W	nd
L6+00N	6+50W	nd
L6+00N	6+75W	20
L6+00N	7+00W	5
L6+00N	7+25W	35
L6+00N	7+50W	nd
L6+00N	7+75W	nd
L6+00N	8+00W	5
L6+00N	8+25W	nd
L6+00N	8+50W	nd
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #		Au ppb
L6+00N	8+75W	20
L6+00N	9+00W	10
L6+00N	9+25W	10
L6+00N	9+50W	10
L6+00N	9+75W	5
L6+00N	10+00W	5
L6+00N	10+25W	nd
L6+00N	10+50W	nd
L6+00N	10+75W	nd
L6+00N	11+00W	nd
L7+00N	BL	nd
L7+00N	0+25W	nd
L7+00N	0+50W	nd
L7+00N	0+75W	nd
L7+00N	1+00W	10
L7+00N	1+25W	nd
L7+00N	1+50W	nd
L7+00N	1+75W	5
L7+00N	2+00W	5
L7+00N	2+25W	5
L7+00N	2+50W	nd
L7+00N	2+75W	nd
L7+00N	3+00W	nd
L7+00N	3+25W	5
L7+00N	3+50W	5
L7+00N	3+75W	nd
L7+00N	4+00W	nd
L7+00N	4+25W	5
L7+00N	4+50W	nd
L7+00N	4+75W	nd
L7+00N	5+00W	nd
L7+00N	5+25W	nd
L7+00N	5+50W	nd
L7+00N	5+75W	nd
L7+00N	6+00W	5
L7+00N	6+25W	nd
L7+00N	6+50W	nd
L7+00N	6+75W	nd
L7+00N	7+00W	nd
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

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1988 Triumph Street
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(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #		Au ppb
L7+00N	7+25W	5
L7+00N	7+50W	5
L7+00N	7+75W	nd
L7+00N	8+00W	5
L7+00N	8+25W	10
L7+00N	8+50W	nd
L7+00N	8+75W	5
L7+00N	9+00W	nd
L7+00N	9+25W	5
L7+00N	9+50W	5
L7+00N	9+75W	10
L7+00N	10+00W	nd
L7+00N	10+25W	nd
L7+00N	10+50W	nd
L7+00N	10+75W	5
L7+00N	11+00W	nd
L8+00N	7+50W	nd
L8+00N	7+75W	nd
L8+00N	8+00W	5
L8+00N	8+25W	5
L8+00N	8+50W	10
L8+00N	8+75W	5
L8+00N	9+00W	nd
L8+00N	9+25W	nd
L8+00N	9+50W	10
L8+00N	9+75W	10
L8+00N	10+00W	15
L8+00N	10+25W	5
L8+00N	10+50W	nd
L8+00N	10+75W	10
L8+00N	11+00W	5

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM L[illegible] LIMITED

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,TI,B,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: EDSONS RESOURCES LTD
ATTENTION:
PROJECT:

REPORT#: 880370 PA
JOB#: 880370
INVOICE#: 880370 NA

DATE RECEIVED: 88/04/07
DATE COMPLETED: 88/04/12
COPY SENT TO:

ANALYST

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
L0+00 BL	.5	6.58	ND	ND	31	ND	.56	.1	44	76	172	7.01	.08	1.41	860	2	.01	94	.10	10	ND	ND	ND	2	10	ND	ND	90
L0+00 0+25W	.5	4.44	ND	ND	34	ND	.54	.1	30	60	65	6.25	.07	.50	855	1	.01	56	.10	12	ND	ND	ND	11	14	ND	ND	75
L0+00 0+50W	.5	6.17	ND	ND	33	ND	.41	.1	40	72	99	6.88	.07	.72	1576	1	.01	66	.17	8	ND	ND	ND	7	10	ND	ND	114
L0+00 0+75W	.5	6.95	ND	ND	58	ND	.45	.1	47	98	166	8.96	.08	1.04	769	1	.01	95	.11	7	ND	ND	ND	1	12	ND	ND	132
L0+00 1+00W	.5	3.27	ND	ND	52	ND	.58	.1	25	60	76	5.32	.06	.56	289	1	.01	51	.04	12	ND	ND	ND	5	16	ND	ND	49
L0+00 1+25W	.1	5.29	ND	ND	78	ND	.34	.2	25	70	98	5.80	.06	1.10	526	1	.01	61	.16	4	ND	ND	ND	ND	20	ND	ND	99
L0+00 1+50W	.4	3.39	ND	ND	50	ND	.41	.1	21	51	53	4.83	.06	.63	632	1	.01	43	.10	9	ND	ND	ND	3	19	ND	ND	50
L0+00 1+75W	.1	3.70	ND	ND	54	ND	.41	.1	18	48	41	4.66	.06	.77	522	1	.01	40	.10	8	ND	ND	ND	ND	26	ND	ND	58
L0+00 2+00W	.1	3.39	ND	ND	96	ND	.48	.1	26	37	36	3.50	.06	.73	773	1	.01	47	.03	4	ND	ND	ND	ND	20	ND	ND	59
L0+00 2+25W	.1	4.08	ND	ND	139	ND	.60	.1	26	57	73	4.44	.07	1.10	771	1	.01	60	.04	6	ND	ND	ND	ND	20	ND	ND	54
L0+00 2+50W	.1	3.92	ND	ND	92	ND	.41	.1	24	51	58	4.45	.06	.93	393	1	.01	59	.04	8	ND	ND	ND	ND	18	ND	ND	49
L0+00 2+75W	.1	4.22	ND	ND	196	ND	.65	.1	25	58	62	4.67	.07	1.00	1078	1	.01	63	.06	6	ND	ND	ND	ND	23	ND	ND	61
L0+00 3+00W	.1	5.39	ND	ND	132	ND	.44	.4	32	70	97	5.25	.07	1.27	465	1	.01	83	.06	3	ND	ND	ND	ND	18	ND	ND	63
L0+00 3+25W	.1	3.54	ND	ND	78	ND	.39	.1	18	44	42	4.25	.06	.81	386	1	.01	47	.08	8	ND	ND	ND	ND	20	ND	ND	64
L0+00 3+50W	.1	5.08	ND	ND	245	ND	.61	.1	28	74	64	5.04	.07	1.13	816	1	.01	76	.04	4	ND	ND	ND	ND	24	ND	ND	59
L0+00 3+75W	.1	4.62	ND	ND	207	ND	.71	.1	28	67	79	4.94	.07	1.33	685	1	.01	76	.04	3	ND	ND	ND	ND	21	ND	ND	62
L0+00 4+00W	.1	2.67	ND	ND	112	ND	.65	.1	15	38	25	3.41	.06	.68	555	1	.01	39	.03	6	ND	ND	ND	ND	23	ND	ND	52
L0+00 4+25W	.1	4.77	ND	ND	117	ND	.44	.1	28	60	72	4.87	.06	1.31	592	1	.01	73	.04	4	ND	ND	ND	ND	21	ND	ND	70
L0+00 4+50W	.1	6.08	ND	ND	78	ND	.41	.4	35	75	142	6.08	.07	1.51	673	2	.01	84	.08	4	ND	ND	ND	ND	18	ND	ND	79
L0+00 4+75W	.1	4.66	ND	ND	65	ND	.35	.2	27	55	76	4.66	.06	.98	1032	1	.01	56	.10	4	ND	ND	ND	ND	21	ND	ND	75
L0+00 5+00W	.1	5.04	ND	ND	61	ND	.34	.1	30	59	95	4.51	.06	1.25	947	2	.01	65	.10	4	ND	ND	ND	ND	18	ND	ND	65
L1+00 BL	.5	5.74	ND	ND	52	ND	.40	.1	45	82	124	7.19	.08	.89	660	1	.01	87	.07	9	ND	ND	ND	4	11	ND	ND	128
L1+00 0+25W	.5	8.76	ND	ND	94	ND	.48	.4	48	119	207	8.10	.08	1.56	919	1	.01	131	.05	1	ND	ND	ND	ND	13	ND	ND	89
L1+00 0+50W	.2	4.67	ND	ND	59	ND	.36	.1	28	65	79	4.67	.06	.88	328	2	.01	65	.02	4	ND	ND	ND	ND	15	ND	ND	56
L1+00 0+75W	.2	2.27	ND	ND	23	3	.64	.1	17	49	33	3.09	.06	.39	1587	1	.01	37	.02	8	ND	ND	ND	3	19	ND	ND	44
L1+00 1+00W	.5	5.52	ND	ND	49	ND	.55	.1	45	96	128	6.14	.08	1.16	415	2	.01	98	.03	10	ND	ND	ND	5	13	ND	ND	64
L1+00 1+25W	.1	3.16	ND	ND	66	ND	.41	.1	19	56	51	4.93	.06	.83	348	1	.01	48	.02	7	ND	ND	ND	ND	22	ND	ND	49
L1+00 1+50W	.1	2.16	5	ND	79	ND	.34	.1	12	30	35	3.25	.05	.39	239	1	.01	29	.06	8	ND	ND	ND	1	12	ND	ND	41
L1+00 1+75W	.1	2.84	ND	ND	67	ND	.35	.1	16	38	32	3.94	.06	.54	302	1	.01	41	.05	6	ND	ND	ND	ND	17	ND	ND	48
L1+00 2+00W	.1	2.45	3	ND	96	3	.56	.1	18	35	26	3.22	.06	.65	649	1	.01	36	.04	6	ND	ND	ND	ND	23	ND	ND	42
L1+00 2+25W	.1	4.02	ND	ND	113	ND	.52	.1	30	54	81	4.89	.07	1.10	767	1	.01	71	.04	5	ND	ND	ND	ND	16	ND	ND	66
L1+00 2+50W	.1	4.72	ND	ND	206	ND	.55	.1	32	66	103	5.20	.07	1.29	532	2	.01	80	.04	4	ND	ND	ND	ND	16	ND	ND	58
L1+00 2+75W	.1	4.98	ND	ND	147	ND	.50	.1	27	79	97	4.83	.07	1.38	761	2	.01	78	.05	4	ND	ND	ND	ND	16	ND	ND	57
L1+00 3+00W	.1	2.62	ND	ND	60	ND	.38	.2	16	42	34	3.87	.06	.61	574	1	.01	40	.10	10	ND	ND	ND	ND	19	ND	ND	59
L1+00 3+25W	.1	3.77	ND	ND	91	ND	.38	.1	20	53	61	4.90	.07	.61	1066	1	.01	50	.08	8	ND	ND	ND	ND	24	ND	ND	87
L1+00 3+50W	.1	3.39	ND	ND	157	ND	.55	.1	27	51	36	3.75	.06	1.06	2343	1	.01	54	.08	8	ND	ND	ND	ND	27	ND	ND	93
L1+00 3+75W	.1	3.09	ND	ND	110	ND	.55	.1	21	44	38	3.52	.06	.88	884	1	.01	47	.04	8	ND	ND	ND	ND	23	ND	ND	62
L1+00 4+00W	.1	4.14	ND	ND	143	ND	.61	.2	27	52	68	4.05	.07	1.20	1750	2	.01	63	.06	6	ND	ND	ND	ND	22	ND	ND	83
L1+00 4+25W	.1	3.33	ND	ND	83	ND	.40	.1	24	40	34	3.47	.06	.75	1052	1	.01	45	.06	8	ND	ND	ND	ND	17	ND	ND	84
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	1	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPB	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPB	PT PPB	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
L1+00 4+50W	.1	4.55	ND	ND	69	ND	.30	.2	22	56	69	4.70	.05	.63	909	1	.01	58	.05	4	ND	ND	ND	ND	17	ND	ND	52
L1+00 4+75W	.1	3.83	ND	ND	49	ND	.27	.3	16	45	49	4.10	.05	.70	589	ND	.01	43	.08	6	ND	ND	ND	ND	17	ND	ND	67
L1+00 5+00W	.1	5.08	ND	ND	59	ND	.32	.1	23	62	73	5.16	.06	.97	511	1	.01	61	.07	4	ND	ND	ND	ND	18	ND	ND	66
L2+00 BL	.2	5.10	ND	ND	87	ND	.61	.2	37	63	165	7.00	.08	1.43	561	1	.01	92	.06	4	ND	ND	ND	ND	15	ND	ND	75
L2+00N 0+25W	.5	3.18	ND	ND	39	ND	.48	.1	38	61	76	6.89	.08	.48	1685	ND	.01	53	.13	12	ND	ND	ND	11	11	ND	ND	79
L2+00N 0+50W	.5	2.62	4	ND	47	3	.50	.1	24	36	53	4.24	.06	.39	1024	ND	.01	39	.11	11	ND	ND	ND	9	13	ND	ND	69
L2+00N 0+75W	.1	3.16	ND	ND	54	ND	.40	.1	23	39	73	4.33	.06	.68	425	ND	.01	52	.04	7	ND	ND	ND	1	12	ND	ND	52
L2+00N 1+00W	.1	3.79	ND	ND	58	ND	.32	.1	24	46	68	5.80	.06	.64	365	1	.01	55	.05	6	ND	ND	ND	ND	10	ND	ND	79
L2+00N 1+25W	.1	4.80	ND	ND	192	ND	.72	.3	30	72	126	5.05	.07	1.31	658	1	.01	75	.04	1	ND	ND	ND	ND	21	ND	ND	59
L2+00N 1+50W	.1	2.75	ND	ND	145	ND	.60	.1	18	33	37	3.22	.05	.34	533	ND	.01	30	.04	4	ND	ND	ND	ND	26	ND	ND	34
L2+00N 1+75W	.1	4.70	ND	ND	97	ND	.45	.1	30	57	87	5.57	.06	.91	578	ND	.01	73	.10	4	ND	ND	ND	ND	14	ND	ND	72
L2+00N 2+00W	.1	5.52	ND	ND	260	ND	.81	.2	33	76	96	5.74	.08	1.37	1165	ND	.01	89	.07	1	ND	ND	ND	ND	21	ND	ND	77
L2+00N 2+25W	.1	3.41	ND	ND	90	ND	.41	.1	22	46	51	4.30	.05	.91	404	ND	.01	54	.03	5	ND	ND	ND	ND	17	ND	ND	58
L2+00N 2+50W	.1	2.65	ND	ND	76	3	.40	.1	15	35	32	3.30	.05	.53	359	ND	.01	37	.04	5	ND	ND	ND	ND	16	ND	ND	49
L2+00N 2+75W	.1	5.57	ND	ND	106	ND	.58	.2	31	81	105	5.80	.07	1.29	587	1	.01	85	.07	1	ND	ND	ND	ND	16	ND	ND	55
L2+00N 3+00W	.1	4.90	ND	ND	73	ND	.36	.2	28	67	75	5.62	.06	.98	680	1	.01	68	.12	3	ND	ND	ND	ND	17	ND	ND	74
L2+00N 3+25W	.1	5.08	ND	ND	90	ND	.38	.4	31	80	90	5.91	.06	1.21	571	1	.01	76	.10	4	ND	ND	ND	ND	19	ND	ND	74
L2+00N 3+50W	.1	3.95	ND	ND	62	ND	.32	.1	20	52	56	4.64	.06	.56	777	1	.01	41	.08	6	ND	ND	ND	ND	21	ND	ND	80
L2+00N 3+75W	.1	3.84	ND	ND	67	ND	.30	.1	20	60	66	4.94	.06	.85	670	1	.01	55	.06	6	ND	ND	ND	ND	21	ND	ND	51
L2+00N 4+00W	.1	5.41	ND	ND	49	ND	.30	.1	26	75	107	5.87	.07	1.12	436	1	.01	69	.08	1	ND	ND	ND	ND	18	ND	ND	62
L2+00N 4+25W	.1	5.37	ND	ND	52	ND	.30	.1	22	63	71	5.33	.06	.89	574	1	.01	61	.13	3	ND	ND	ND	ND	17	ND	ND	66
L2+00N 4+50W	.1	1.73	6	ND	33	3	.34	.1	9	21	23	2.17	.04	.34	235	ND	.01	18	.03	9	ND	ND	ND	3	20	ND	ND	28
L2+00N 4+75W	.1	4.26	ND	ND	38	ND	.28	.3	19	50	53	4.41	.05	.64	1014	1	.01	41	.08	4	ND	ND	ND	ND	15	ND	ND	53
L2+00N 5+00W	.1	5.20	ND	ND	57	ND	.36	.3	22	53	80	4.77	.06	.78	494	1	.01	53	.10	5	ND	ND	ND	ND	20	ND	ND	76
L3+00N BL	.2	5.17	ND	ND	137	ND	.38	.1	36	70	98	7.15	.08	.85	708	1	.01	85	.05	5	ND	ND	ND	ND	11	ND	ND	76
L3+00 0+25W	.5	5.12	ND	ND	56	ND	.35	.1	37	71	125	7.10	.07	.89	345	1	.01	82	.05	6	ND	ND	ND	ND	10	ND	ND	85
L3+00 0+50W	.5	6.73	ND	ND	52	ND	.46	.1	51	84	155	6.21	.08	1.20	947	1	.01	102	.10	1	ND	ND	ND	2	10	ND	ND	111
L3+00 0+75W	.5	3.94	ND	ND	52	ND	.51	.1	33	62	90	7.25	.08	.64	529	ND	.01	62	.15	10	ND	ND	ND	10	10	ND	ND	88
L3+00 1+00W	.5	4.55	ND	ND	54	ND	.50	.3	39	71	117	7.69	.08	.86	563	1	.01	72	.05	5	ND	ND	ND	8	10	ND	ND	72
L3+00 1+25W	.1	4.59	ND	ND	135	ND	.50	.1	32	58	110	5.54	.07	1.03	667	1	.01	74	.07	4	ND	ND	ND	ND	15	ND	ND	75
L3+00 1+50W	.1	3.92	ND	ND	267	ND	.83	.3	28	56	86	4.62	.07	1.03	967	ND	.01	66	.04	2	ND	ND	ND	ND	17	ND	ND	60
L3+00 1+75W	.1	4.58	ND	ND	143	ND	.38	.2	29	58	79	5.51	.06	.66	425	1	.01	65	.05	2	ND	ND	ND	ND	12	ND	ND	65
L3+00 2+00W	.1	4.22	ND	ND	124	ND	.32	.1	26	55	77	5.59	.06	.72	1771	1	.01	60	.08	5	ND	ND	ND	ND	12	ND	ND	70
L3+00 2+25W	.1	4.57	ND	ND	125	ND	.48	.1	28	52	78	5.04	.06	.91	1752	1	.01	66	.08	4	ND	ND	ND	ND	15	ND	ND	66
L3+00 2+50W	.1	5.19	ND	ND	86	ND	.41	.3	33	59	100	5.75	.06	.86	728	1	.01	74	.08	2	ND	ND	ND	ND	13	ND	ND	69
L3+00 2+75W	.1	3.45	ND	ND	69	ND	.35	.1	22	43	51	4.37	.05	.54	551	ND	.01	46	.04	4	ND	ND	ND	ND	16	ND	ND	56
L3+00 3+00W	.1	1.95	ND	ND	60	3	.34	.1	11	34	18	3.29	.04	.40	240	ND	.01	28	.04	6	ND	ND	ND	1	19	ND	ND	37
L3+00 3+25W	.1	4.50	ND	ND	124	ND	.51	.2	27	71	78	5.22	.06	.86	393	1	.01	65	.04	3	ND	ND	ND	ND	20	ND	ND	54
L3+00 3+50W	.1	5.41	ND	ND	72	ND	.39	.2	31	76	108	5.69	.06	1.12	383	1	.01	79	.05	1	ND	ND	ND	ND	15	ND	ND	49
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	2	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
L3+00 3+75W	.2	4.75	ND	ND	56	ND	.96	.1	49	115	139	7.05	.08	3.03	835	1	.01	115	.41	5	ND	ND	ND	ND	77	ND	ND	150
L3+00 4+00W	.1	4.05	ND	ND	94	ND	.38	.1	23	53	72	4.65	.05	.86	1422	1	.01	55	.14	9	ND	ND	ND	ND	19	ND	ND	77
L3+00 4+25W	.1	4.98	ND	ND	58	ND	.32	.2	24	64	77	5.00	.05	.96	1326	1	.01	60	.12	6	ND	ND	ND	ND	15	ND	ND	71
L3+00 4+50W	.1	5.23	ND	ND	49	ND	.30	.1	21	76	69	6.26	.06	.94	521	1	.01	62	.12	8	ND	ND	ND	ND	21	ND	ND	67
L3+00 4+75W	.1	4.66	ND	ND	55	ND	.32	.2	26	59	90	4.89	.05	1.02	668	1	.01	63	.08	5	ND	ND	ND	ND	16	ND	ND	60
L3+00 5+00W	.1	2.22	ND	ND	40	3	.32	.1	12	30	23	3.50	.04	.40	378	ND	.01	27	.05	8	ND	ND	ND	ND	17	ND	ND	46
L4+00 BL	.4	5.30	ND	ND	45	ND	.32	.2	36	45	113	6.74	.07	.54	651	1	.01	65	.13	7	ND	ND	ND	2	10	ND	ND	117
L4+00 0+25W	.3	5.00	ND	ND	69	ND	.35	.1	36	47	118	6.55	.07	.78	1435	1	.01	75	.06	9	ND	ND	ND	ND	11	ND	ND	98
L4+00 0+50W	.3	3.79	ND	ND	47	ND	.46	.1	28	65	82	6.62	.07	.79	758	1	.01	64	.05	7	ND	ND	ND	1	11	ND	ND	66
L4+00 0+75W	.1	2.50	10	ND	155	3	1.60	.5	23	38	86	3.59	.07	1.01	1002	ND	.01	50	.05	6	ND	ND	ND	ND	26	ND	ND	55
L4+00 1+00W	.5	5.44	ND	ND	79	ND	.51	.4	43	76	150	8.10	.08	1.06	454	1	.01	87	.07	9	ND	ND	ND	5	10	ND	ND	80
L4+00 1+25W	.4	2.57	ND	ND	48	ND	.39	.2	23	50	57	5.37	.06	.56	257	1	.01	48	.04	12	ND	ND	ND	7	10	ND	ND	47
L4+00 1+50W	.4	3.84	ND	ND	60	ND	.39	.2	30	52	83	5.69	.06	.73	393	1	.01	56	.08	8	ND	ND	ND	5	8	ND	ND	66
L4+00 1+75W	.2	3.83	ND	ND	53	ND	.30	.1	21	44	78	5.16	.06	.48	719	1	.01	42	.19	9	ND	ND	ND	ND	15	ND	ND	92
L4+00 2+00W	.1	4.67	ND	ND	113	ND	.75	.2	31	55	111	5.09	.07	1.14	1285	1	.01	70	.05	6	ND	ND	ND	ND	17	ND	ND	57
L4+00 2+25W	.1	3.72	ND	ND	148	ND	.77	.2	26	46	62	4.75	.06	.77	1904	ND	.01	57	.04	10	ND	ND	ND	1	17	ND	ND	75
L4+00 2+50W	.1	4.48	ND	ND	94	ND	.32	.3	27	48	59	5.33	.06	.66	400	1	.01	59	.05	7	ND	ND	ND	ND	12	ND	ND	54
L4+00 2+75W	.1	4.40	ND	ND	77	ND	.35	.1	28	56	70	5.65	.06	.73	399	1	.01	58	.05	6	ND	ND	ND	ND	15	ND	ND	51
L4+00 3+00W	.1	2.52	ND	ND	52	ND	.43	.1	17	46	34	4.89	.05	.55	304	ND	.01	38	.05	9	ND	ND	ND	1	17	ND	ND	38
L4+00 3+25W	.1	3.40	ND	ND	77	ND	.35	.3	21	50	52	4.83	.05	.65	617	ND	.01	47	.04	5	ND	ND	ND	ND	16	ND	ND	44
L4+00 3+50W	.1	4.26	ND	ND	85	ND	.32	.1	28	61	74	5.08	.06	.83	562	1	.01	67	.06	7	ND	ND	ND	ND	15	ND	ND	67
L4+00 3+75W	.1	4.02	ND	ND	114	ND	.50	.1	27	54	75	4.94	.06	.91	525	1	.01	63	.06	6	ND	ND	ND	ND	15	ND	ND	59
L4+00 4+00W	.1	3.40	ND	ND	91	ND	.50	.1	23	51	54	4.40	.05	.76	1114	ND	.01	50	.08	6	ND	ND	ND	ND	22	ND	ND	52
L4+00 4+25W	.1	4.91	ND	ND	93	ND	.44	.1	30	63	66	4.87	.06	.71	1098	1	.01	52	.14	3	ND	ND	ND	ND	22	ND	ND	71
L4+00 4+50W	.1	2.67	ND	ND	57	3	.40	.2	14	36	31	3.69	.05	.56	681	ND	.01	28	.08	6	ND	ND	ND	ND	22	ND	ND	52
L4+00 4+75W	.1	5.72	ND	ND	113	ND	.26	.1	35	60	107	5.90	.06	.93	542	1	.01	81	.08	3	ND	ND	ND	ND	10	ND	ND	94
L4+00 5+00W	.1	4.55	ND	ND	101	ND	.34	.2	31	65	95	5.66	.06	1.03	363	1	.01	69	.04	5	ND	ND	ND	ND	15	ND	ND	57
L4+00 5+25W	.1	4.19	ND	ND	200	ND	.91	.5	23	127	85	4.40	.07	.48	906	1	.01	47	.04	7	ND	ND	ND	ND	23	ND	ND	37
L4+00 5+50W	.1	5.19	ND	ND	95	ND	.34	.1	32	73	112	5.65	.06	1.11	395	1	.01	70	.04	4	ND	ND	ND	ND	16	ND	ND	51
L4+00 5+75W	.1	4.72	ND	ND	54	ND	.34	.3	26	59	115	4.87	.05	1.20	552	1	.01	64	.10	2	ND	ND	ND	ND	13	ND	ND	61
L4+00 6+00W	.1	3.49	ND	ND	45	ND	.44	.2	16	40	34	4.09	.05	.63	406	1	.01	36	.10	6	ND	ND	ND	ND	27	ND	ND	56
L4+00 6+25W	.1	2.33	3	ND	34	3	.62	.1	11	28	20	2.58	.04	.29	600	ND	.01	24	.05	7	ND	ND	ND	1	50	ND	ND	31
L4+00 6+50W	.1	8.58	ND	ND	73	ND	.34	.5	62	78	132	4.58	.06	.65	1186	2	.01	75	.15	2	ND	ND	ND	ND	12	ND	ND	78
L4+00 6+75W	.1	3.60	ND	ND	40	ND	.34	.1	17	46	25	4.47	.05	.63	717	1	.01	36	.06	5	ND	ND	ND	ND	21	ND	ND	52
L4+00 7+00W	.1	2.37	ND	ND	28	ND	.36	.2	10	32	17	3.15	.05	.41	904	ND	.01	23	.06	7	ND	ND	ND	ND	27	ND	ND	39
L4+00 7+25W	.1	4.39	ND	ND	47	ND	.29	.2	15	48	40	4.82	.05	.60	566	1	.01	39	.07	6	ND	ND	ND	ND	19	ND	ND	62
L4+00 7+50W	.1	2.97	ND	ND	39	ND	.36	.2	13	29	30	3.40	.05	.54	501	ND	.01	26	.06	4	ND	ND	ND	ND	23	ND	ND	46
L5+00 BL	.3	4.27	ND	ND	67	ND	.51	.3	33	57	86	5.91	.07	.82	522	1	.01	72	.04	5	ND	ND	ND	ND	18	ND	ND	66
L5+00 0+25W	.4	4.66	ND	ND	47	ND	.59	.3	35	52	124	6.00	.07	1.06	854	1	.01	67	.07	8	ND	ND	ND	1	12	ND	ND	74
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
L5+00 0+50W	.3	4.25	ND	ND	70	ND	.58	.1	36	61	122	5.62	.07	1.37	681	1	.01	75	.05	6	ND	ND	ND	2	13	ND	ND	69
L5+00 0+75S	.3	4.16	ND	ND	74	ND	.39	.1	31	50	94	6.66	.07	.70	411	1	.01	65	.08	9	ND	ND	ND	3	11	ND	ND	62
L5+00 1+00W	.1	3.75	ND	ND	168	ND	.91	.2	34	46	99	5.41	.08	1.26	1173	ND	.01	71	.05	8	ND	ND	ND	ND	26	ND	ND	81
L5+00 1+25W	.2	2.95	ND	ND	91	ND	.30	.1	21	52	48	5.30	.06	.39	670	ND	.01	42	.05	9	ND	ND	ND	4	12	ND	ND	58
L5+00 1+50W	.1	4.33	ND	ND	135	ND	.41	.1	31	56	95	6.05	.07	.98	752	1	.01	72	.05	8	ND	ND	ND	ND	11	ND	ND	78
L5+00 1+75W	.1	4.16	ND	ND	118	ND	.40	.2	30	56	91	6.00	.06	.89	729	1	.01	64	.05	8	ND	ND	ND	ND	11	ND	ND	74
L5+00 2+00W	.5	4.25	ND	ND	86	ND	.41	.1	32	54	100	6.05	.06	.81	520	1	.01	59	.06	9	ND	ND	ND	2	10	ND	ND	66
L5+00 2+25W	.1	5.70	ND	ND	195	ND	.53	.1	36	74	102	6.37	.07	.97	634	1	.01	81	.04	2	ND	ND	ND	ND	16	ND	ND	86
L5+00 2+50W	.1	5.24	ND	ND	102	ND	.39	.1	35	69	125	6.08	.07	1.06	491	1	.01	76	.05	5	ND	ND	ND	ND	13	ND	ND	84
L5+00 2+75W	.1	3.00	ND	ND	77	ND	.38	.1	20	43	50	4.63	.05	.59	426	ND	.01	42	.05	9	ND	ND	ND	ND	14	ND	ND	43
L5+00 3+00W	.1	5.45	ND	ND	120	ND	.40	.1	33	60	107	5.76	.06	.91	546	1	.01	76	.07	1	ND	ND	ND	ND	14	ND	ND	66
L5+00 3+25W	.1	3.32	ND	ND	63	ND	.34	.1	22	44	56	5.04	.06	.55	785	ND	.01	43	.08	7	ND	ND	ND	ND	12	ND	ND	55
L5+00 3+50W	.1	3.95	ND	ND	108	ND	.60	.1	27	53	98	4.55	.06	1.13	422	1	.01	62	.03	2	ND	ND	ND	ND	16	ND	ND	49
L5+00 3+75W	.1	3.90	ND	ND	76	ND	.38	.1	27	56	76	5.15	.06	.86	473	1	.01	54	.08	5	ND	ND	ND	ND	17	ND	ND	64
L5+00 4+00W	.1	3.22	ND	ND	72	ND	.35	.1	20	50	51	4.98	.06	.59	372	ND	.01	44	.05	8	ND	ND	ND	ND	16	ND	ND	51
L5+00 4+25W	.1	4.90	ND	ND	220	ND	.60	.1	28	71	87	5.94	.07	.81	706	1	.01	71	.04	1	ND	ND	ND	ND	18	ND	ND	50
L5+00 4+50W	.1	4.16	ND	ND	240	ND	1.11	.1	27	68	73	4.83	.07	1.02	1027	1	.01	65	.04	3	ND	ND	ND	ND	26	ND	ND	55
L5+00 4+75W	.1	4.05	ND	ND	110	ND	.45	.1	25	64	65	5.23	.06	.62	390	1	.01	53	.04	7	ND	ND	ND	ND	17	ND	ND	47
L5+00 5+00W	.1	4.75	ND	ND	279	ND	1.04	.1	28	82	64	5.37	.08	.86	1675	1	.01	72	.05	4	ND	ND	ND	ND	26	ND	ND	81
L5+00 5+25W	.1	4.55	ND	ND	200	ND	.93	.1	28	77	68	5.08	.07	.80	964	1	.01	65	.05	5	ND	ND	ND	ND	23	ND	ND	52
L5+00 5+50W	.1	4.10	ND	ND	100	ND	.36	.1	27	60	86	5.09	.06	.98	400	1	.01	68	.03	5	ND	ND	ND	ND	16	ND	ND	49
L5+00 5+75W	.1	3.02	ND	ND	72	ND	.45	.1	20	39	33	3.92	.05	.61	598	ND	.01	36	.05	6	ND	ND	ND	ND	31	ND	ND	58
L5+00 6+00W	.1	4.17	ND	ND	86	ND	.34	.1	23	55	72	4.92	.06	.89	512	1	.01	53	.11	5	ND	ND	ND	ND	18	ND	ND	73
L5+00 6+25W	.1	2.97	ND	ND	49	ND	.50	.1	13	32	36	3.50	.05	.56	387	ND	.01	30	.08	4	ND	ND	ND	ND	28	ND	ND	51
L5+00 6+50W	.1	3.85	ND	ND	72	ND	.38	.1	19	51	56	4.44	.05	.65	750	1	.01	44	.06	5	ND	ND	ND	ND	20	ND	ND	52
L5+00 6+75W	.1	3.75	ND	ND	94	ND	.38	.1	17	35	54	3.80	.05	.59	429	1	.01	40	.07	1	ND	ND	ND	ND	31	ND	ND	66
L5+00 7+00W	.1	2.63	ND	ND	80	3	.59	.1	8	13	11	1.51	.04	.30	4151	ND	.01	13	.03	2	ND	ND	ND	ND	39	ND	ND	26
L5+00 7+25W	.1	2.16	ND	ND	40	ND	.36	.1	10	25	23	2.65	.04	.55	266	ND	.01	23	.04	3	ND	ND	ND	ND	22	ND	ND	34
L5+00 7+50W	.1	3.94	ND	ND	58	ND	.34	.1	17	50	46	4.26	.05	.66	963	1	.01	40	.06	5	ND	ND	ND	ND	18	ND	ND	50
L5+00 7+75W	.1	3.00	ND	ND	47	ND	.30	.1	17	40	33	3.87	.04	.50	468	1	.01	36	.05	7	ND	ND	ND	ND	19	ND	ND	69
L5+00 8+00W	.1	4.37	ND	ND	74	ND	.34	.1	26	60	64	5.51	.06	.86	415	1	.01	56	.05	2	ND	ND	ND	ND	18	ND	ND	59
L5+00 8+25W	.1	4.16	ND	ND	70	ND	.28	.1	20	65	59	5.67	.06	.43	157	1	.01	41	.03	4	ND	ND	ND	ND	15	ND	ND	41
L5+00 8+50W	.1	4.45	ND	ND	67	ND	.45	.1	26	56	66	5.00	.06	1.04	706	1	.01	59	.08	2	ND	ND	ND	ND	29	ND	ND	69
L5+00 8+75W	.1	4.12	ND	ND	78	ND	.46	.1	21	55	51	4.64	.05	1.01	517	1	.01	43	.07	4	ND	ND	ND	ND	18	ND	ND	75
L5+00 9+00W	.1	5.24	ND	ND	59	ND	.35	.1	26	68	93	5.41	.06	1.16	561	1	.01	63	.08	2	ND	ND	ND	ND	18	ND	ND	61
L5+00 9+25W	.1	3.52	ND	ND	60	ND	.34	.1	21	46	65	4.14	.05	.86	1269	1	.01	45	.09	6	ND	ND	ND	ND	17	ND	ND	56
L5+00 9+50W	.1	2.47	ND	ND	58	ND	1.06	.1	12	18	20	2.33	.05	.48	994	ND	.01	20	.09	2	ND	ND	ND	ND	48	ND	ND	34
L5+00 9+75W	.2	5.44	ND	ND	77	ND	.50	.1	27	56	64	5.72	.09	.96	1308	2	.01	56	.16	1	ND	ND	ND	ND	22	ND	ND	99
L5+00 10+00W	.3	7.33	ND	ND	81	ND	.30	.3	26	77	95	5.54	.06	1.04	1025	2	.01	89	.10	2	ND	ND	ND	ND	15	ND	ND	73
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

CLIENT: EDSONS RESOURCES LTD JOB#: 880370 PROJECT: REPORT: 880370 PA DATE: 88/04/12

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	TI %	W PPM	ZN PPM
L5+00 10+25N	.2	5.69	ND	ND	85	ND	.35	.2	30	60	66	5.16	.06	1.12	770	2	.01	87	.13	1	ND	ND	ND	ND	14	.12	ND	75
L5+00 10+50N	.5	3.06	ND	ND	83	3	.91	.2	30	47	51	4.30	.07	1.12	1154	1	.01	53	.05	9	ND	ND	ND	3	16	.10	ND	74
L5+00 10+75N	.1	5.54	ND	ND	79	ND	.38	.1	22	46	56	4.40	.05	.81	704	1	.01	51	.06	7	ND	ND	ND	ND	19	.12	ND	85
L5+00 11+00N	.2	3.47	ND	ND	110	ND	.44	.3	23	44	46	4.45	.06	.85	1430	1	.01	51	.06	6	ND	ND	ND	ND	21	.10	ND	99
L6+00N BL	.1	4.57	ND	ND	89	ND	.32	.1	27	54	79	5.33	.06	.70	493	2	.01	63	.06	3	ND	ND	ND	ND	12	ND	ND	81
L6+00N 0+25W	.1	3.66	ND	ND	95	ND	.32	.1	22	48	58	5.69	.06	.52	339	1	.01	53	.05	7	ND	ND	ND	ND	14	ND	ND	68
L6+00N 0+50W	.1	4.45	ND	ND	229	ND	1.06	.3	28	70	74	5.12	.08	.65	2370	2	.01	60	.06	3	ND	ND	ND	ND	41	ND	ND	66
L6+00N 0+75W	.1	3.59	ND	ND	217	ND	.81	.2	28	56	65	4.62	.07	.81	1188	1	.01	59	.04	6	ND	ND	ND	ND	28	ND	ND	62
L6+00N 1+00W	.1	3.84	ND	ND	239	ND	.83	.4	29	60	70	4.80	.07	.86	1285	1	.01	62	.04	4	ND	ND	ND	ND	29	ND	ND	64
L6+00N 1+25W	.8	4.51	ND	ND	59	ND	.40	.2	36	53	101	7.04	.07	.81	434	2	.01	68	.06	7	ND	ND	ND	4	11	ND	ND	72
L6+00N 1+50W	.1	3.41	ND	ND	172	ND	.78	.4	29	45	71	4.41	.07	1.16	638	1	.01	62	.01	4	ND	ND	ND	ND	20	ND	ND	59
L6+00N 1+75W	.2	3.94	5	ND	132	ND	1.16	.1	36	52	119	5.73	.08	1.54	1133	1	.01	76	.05	5	ND	ND	ND	ND	24	ND	ND	83
L6+00N 2+00W	.1	3.33	ND	ND	146	ND	.55	.1	29	57	84	4.87	.06	1.22	764	ND	.01	67	.02	4	ND	ND	ND	ND	19	ND	ND	65
L6+00N 2+25W	.1	4.70	ND	ND	89	ND	.40	.1	36	54	123	5.62	.06	1.16	443	1	.01	80	.04	1	ND	ND	ND	ND	11	ND	ND	80
L6+00N 2+50W	.3	2.20	ND	ND	50	ND	.27	.1	14	36	36	4.82	.05	.32	205	ND	.01	33	.03	8	ND	ND	ND	3	10	ND	ND	45
L6+00N 2+75W	.1	4.35	ND	ND	218	ND	.83	.3	31	55	81	5.60	.08	.77	1157	1	.01	61	.03	4	ND	ND	ND	ND	18	ND	ND	77
L6+00N 3+00W	.1	3.02	ND	ND	155	ND	1.04	.4	19	44	57	4.02	.07	.54	526	1	.01	43	.03	6	ND	ND	ND	ND	21	ND	ND	57
L6+00N 3+25W	.1	4.20	ND	ND	121	ND	.29	.1	29	53	90	5.55	.06	.66	324	1	.01	65	.03	4	ND	ND	ND	ND	10	ND	ND	64
L6+00N 3+50W	.1	3.82	ND	ND	111	ND	.34	.2	23	49	66	4.97	.06	.59	454	1	.01	52	.03	4	ND	ND	ND	ND	19	ND	ND	50
L6+00N 3+75W	.1	4.94	ND	ND	220	ND	.69	.3	28	76	92	5.30	.07	.77	711	2	.01	65	.04	1	ND	ND	ND	ND	17	ND	ND	52
L6+00N 4+00W	.1	2.82	ND	ND	147	ND	.86	.1	27	49	79	4.30	.07	.97	904	1	.01	58	.04	6	ND	ND	ND	ND	19	ND	ND	53
L6+00N 4+25W	.1	4.14	ND	ND	132	ND	.76	.1	25	61	92	4.62	.07	.91	468	1	.01	57	.04	2	ND	ND	ND	ND	17	ND	ND	41
L6+00N 4+50W	.1	4.26	ND	ND	180	ND	.64	.4	27	64	79	5.23	.07	.69	469	1	.01	65	.04	2	ND	ND	ND	ND	17	ND	ND	50
L6+00N 4+75W	.1	3.69	ND	ND	135	ND	.63	.3	25	53	65	4.50	.07	.65	1321	1	.01	53	.04	6	ND	ND	ND	ND	17	ND	ND	50
L6+00N 5+00W	.1	3.77	ND	ND	115	ND	.52	.1	25	48	61	4.51	.06	.71	640	1	.01	55	.06	5	ND	ND	ND	ND	18	ND	ND	72
L6+00N 5+25W	.1	2.70	ND	ND	70	ND	.28	.1	17	35	46	4.17	.05	.40	415	1	.01	36	.06	6	ND	ND	ND	ND	12	ND	ND	54
L6+00N 5+50W	.1	3.62	ND	ND	79	ND	.45	.2	25	52	47	4.51	.06	.76	417	1	.01	53	.05	6	ND	ND	ND	ND	17	ND	ND	71
L6+00N 5+75W	.1	3.64	ND	ND	150	ND	.44	.2	28	50	72	4.62	.06	.94	567	1	.01	65	.03	4	ND	ND	ND	ND	14	ND	ND	58
L6+00N 6+00W	.1	3.70	ND	ND	115	ND	.40	.1	22	49	61	4.69	.06	.72	452	1	.01	51	.06	6	ND	ND	ND	ND	14	ND	ND	55
L6+00N 6+25W	.1	3.65	ND	ND	120	ND	.35	.1	22	52	48	5.50	.07	.56	313	1	.01	47	.05	7	ND	ND	ND	ND	15	ND	ND	56
L6+00N 6+50W	.1	3.06	4	ND	135	ND	1.10	.3	23	40	40	3.82	.07	.91	3187	1	.01	35	.08	8	ND	ND	ND	ND	99	ND	ND	67
L6+00N 6+75W	.1	4.60	ND	ND	65	ND	.40	.1	20	48	63	4.58	.06	.86	717	2	.01	40	.13	7	ND	ND	ND	ND	21	ND	ND	63
L6+00N 7+00W	.1	2.87	ND	ND	53	ND	.40	.1	13	38	36	4.34	.06	.56	800	1	.01	32	.11	10	ND	ND	ND	ND	21	ND	ND	45
L6+00N 7+25W	.1	3.99	ND	ND	100	ND	.20	.1	19	57	17	3.34	.05	1.46	1996	2	.01	42	.04	2	ND	ND	ND	ND	15	ND	ND	43
L6+00N 7+50N	.1	1.62	3	ND	32	3	.39	.2	8	18	11	2.18	.04	.35	137	ND	.01	17	.02	8	ND	ND	ND	1	22	ND	ND	23
L6+00N 7+75W	.1	4.05	ND	ND	52	ND	.88	.3	19	65	42	3.39	.08	1.58	2149	1	.01	51	.05	2	ND	ND	ND	ND	37	ND	ND	52
L6+00N 8+00W	.1	3.64	3	ND	54	ND	.39	.1	18	48	48	4.13	.06	.65	469	1	.01	41	.07	3	ND	ND	ND	ND	19	ND	ND	66
L6+00N 8+25W	.1	5.72	ND	ND	207	ND	.83	.5	28	66	68	5.02	.08	1.06	1452	2	.01	84	.07	1	ND	ND	ND	ND	22	ND	ND	88
L6+00N 8+50W	.1	4.58	ND	ND	170	ND	.85	.3	26	57	63	4.50	.07	.96	1198	2	.01	67	.06	3	ND	ND	ND	ND	22	ND	ND	70
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	3	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
L6+00N 8+75W	.1	3.16	6	ND	80	ND	.46	.4	31	53	44	5.47	.04	.60	2597	1	.01	35	.06	7	ND	ND	ND	ND	26	4	ND	66
L6+00N 9+00W	.1	5.83	ND	ND	70	ND	.35	.3	31	69	118	5.55	.05	1.13	915	2	.01	64	.08	1	ND	ND	ND	ND	17	ND	ND	68
L6+00N 9+25W	.1	5.37	ND	ND	47	ND	.38	.3	27	68	92	5.47	.06	1.02	514	2	.01	54	.08	4	ND	ND	ND	ND	18	ND	ND	64
L6+00N 9+50W	.1	4.19	4	ND	56	ND	.35	.3	22	48	56	4.26	.04	.77	679	1	.01	42	.08	4	ND	ND	ND	ND	18	ND	ND	73
L6+00N 9+75W	.1	5.50	ND	ND	73	ND	.36	.1	31	60	103	5.00	.05	.75	605	2	.01	57	.06	4	ND	ND	ND	ND	17	ND	ND	77
L6+00N 10+00W	.1	3.94	ND	ND	87	ND	.48	.2	26	51	57	4.97	.05	.88	757	1	.01	46	.06	4	ND	ND	ND	ND	19	ND	ND	92
L6+00N 10+25W	.5	4.22	7	ND	47	ND	.50	.2	25	56	52	6.40	.07	.93	845	1	.01	44	.24	12	ND	ND	ND	3	16	ND	ND	80
L6+00N 10+50W	.1	4.32	3	ND	51	ND	.34	.2	25	52	80	4.91	.05	.93	762	2	.01	47	.08	3	ND	ND	ND	ND	16	ND	ND	82
L6+00N 10+75W	.1	4.54	ND	ND	73	ND	.40	.1	25	51	101	5.12	.05	.96	1254	2	.01	49	.13	8	ND	ND	ND	ND	16	ND	ND	82
L6+00N 11+00W	.1	1.89	ND	ND	85	3	.34	.2	12	27	22	2.45	.04	.45	942	ND	.01	23	.06	9	ND	ND	ND	ND	17	ND	ND	49
L7+00N BL	.1	3.62	4	ND	76	ND	.30	.1	25	45	70	5.00	.05	.60	486	1	.01	41	.05	8	ND	ND	ND	ND	11	ND	ND	77
L7+00N 0+25W	.1	4.30	ND	ND	165	ND	.69	.2	29	63	68	4.85	.07	.68	1060	2	.01	57	.03	4	ND	ND	ND	ND	33	ND	ND	48
L7+00N 0+50W	.1	4.56	ND	ND	64	ND	.35	.1	29	64	76	5.59	.06	.61	355	2	.01	52	.02	5	ND	ND	ND	ND	15	ND	ND	53
L7+00N 0+75W	.1	4.49	ND	ND	55	ND	.24	.1	25	59	58	5.66	.06	.46	264	2	.01	43	.02	5	ND	ND	ND	ND	10	ND	ND	62
L7+00N 1+00W	.1	3.54	4	ND	48	ND	.26	.1	19	56	47	5.57	.05	.44	232	1	.01	40	.02	8	ND	ND	ND	ND	11	ND	ND	56
L7+00N 1+25W	.1	4.00	4	ND	193	ND	.40	.1	28	60	46	5.15	.06	.65	746	1	.01	52	.02	7	ND	ND	ND	ND	16	ND	ND	80
L7+00N 1+50W	.1	4.57	ND	ND	90	ND	.24	.1	28	59	53	5.84	.06	.51	228	2	.01	53	.03	5	ND	ND	ND	ND	11	ND	ND	58
L7+00N 1+75W	.1	3.27	ND	ND	195	ND	.60	.2	25	45	59	4.26	.06	.83	1026	1	.01	48	.02	4	ND	ND	ND	ND	25	ND	ND	70
L7+00N 2+00W	.1	4.37	11	ND	95	ND	.34	.1	28	57	95	5.97	.06	.83	395	1	.01	57	.03	5	ND	ND	ND	ND	10	ND	ND	59
L7+00N 2+25W	.1	3.83	ND	ND	60	ND	.29	.1	26	53	80	5.52	.05	.55	374	1	.01	46	.05	5	ND	ND	ND	ND	11	ND	ND	69
L7+00N 2+50W	.3	4.67	4	ND	49	ND	.38	.1	30	55	114	5.45	.06	.88	381	2	.01	62	.08	5	ND	ND	ND	ND	10	ND	ND	81
L7+00N 2+75W	.3	6.34	ND	ND	74	ND	.24	.1	34	79	102	8.32	.08	.48	208	3	.01	64	.06	6	ND	ND	ND	ND	8	ND	ND	64
L7+00N 3+00W	.3	4.12	ND	ND	65	ND	.34	.3	27	51	82	6.14	.06	.61	291	2	.01	52	.04	6	ND	ND	ND	ND	9	ND	ND	58
L7+00N 3+25W	.1	2.50	4	ND	72	ND	.35	.4	18	40	47	4.69	.06	.40	452	ND	.01	37	.05	9	ND	ND	ND	ND	11	ND	ND	50
L7+00N 3+50W	.1	3.40	ND	ND	77	ND	.28	.3	23	48	61	5.27	.06	.46	449	1	.01	46	.04	8	ND	ND	ND	ND	10	ND	ND	58
L7+00N 3+75W	.1	3.56	5	ND	77	ND	.37	.1	24	46	61	5.05	.06	.52	315	1	.01	51	.05	8	ND	ND	ND	ND	9	ND	ND	52
L7+00N 4+00W	.1	3.29	ND	ND	66	ND	.40	.2	22	46	64	5.01	.06	.42	502	1	.01	41	.06	9	ND	ND	ND	ND	17	ND	ND	52
L7+00N 4+25W	.1	3.58	5	ND	91	ND	.55	.1	21	50	71	4.65	.07	.60	648	1	.01	53	.11	8	ND	ND	ND	ND	15	ND	ND	65
L7+00N 4+50W	.1	2.69	ND	ND	96	ND	.44	.1	17	41	42	4.19	.06	.40	822	1	.01	32	.08	9	ND	ND	ND	ND	15	ND	ND	61
L7+00N 4+75W	.1	3.55	ND	ND	136	ND	.55	.2	22	46	61	4.74	.06	.53	543	1	.01	46	.03	6	ND	ND	ND	ND	12	ND	ND	52
L7+00N 5+00W	.1	3.95	5	ND	128	ND	.66	.3	27	67	99	4.73	.07	.97	687	2	.01	59	.06	6	ND	ND	ND	ND	16	ND	ND	58
L7+00N 5+25W	.1	4.04	5	ND	124	ND	.56	.3	29	71	82	4.64	.07	.72	1154	2	.01	56	.06	9	ND	ND	ND	ND	16	ND	ND	56
L7+00N 5+50W	.1	3.00	ND	ND	132	ND	.44	.2	24	44	63	4.27	.05	.60	86	1	.01	42	.05	11	ND	ND	ND	ND	17	ND	ND	50
L7+00N 5+75W	.1	5.87	ND	ND	126	ND	.34	.1	40	76	142	6.35	.06	1.21	549	3	.01	87	.04	3	ND	ND	ND	ND	15	ND	ND	81
L7+00N 6+00W	.1	4.16	ND	ND	139	ND	.71	.3	29	61	75	4.94	.06	1.25	1032	2	.01	60	.04	4	ND	ND	ND	ND	30	ND	ND	71
L7+00N 6+25W	.1	4.94	5	ND	150	ND	.35	.1	37	64	81	5.82	.06	.90	663	2	.01	68	.13	3	ND	ND	ND	ND	15	ND	ND	111
L7+00N 6+50W	.1	3.87	3	ND	108	ND	.45	.1	25	55	78	4.66	.05	.88	910	2	.01	52	.08	4	ND	ND	ND	ND	17	ND	ND	64
L7+00N 6+75W	.1	4.27	4	ND	132	ND	.38	.1	28	57	85	4.99	.05	1.01	393	2	.01	61	.04	2	ND	ND	ND	ND	14	ND	ND	53
L7+00N 7+00W	.1	4.91	ND	ND	113	ND	.66	.1	28	53	63	5.56	.07	.64	484	2	.01	45	.11	4	ND	ND	ND	ND	29	ND	ND	96
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
L7+00N 7+25W	.1	3.69	7	ND	105	ND	.55	.1	24	49	60	4.55	.05	.92	564	1	.01	53	.06	5	ND	ND	ND	ND	16	ND	ND	55
L7+00N 7+50W	.1	4.45	9	ND	129	ND	.63	.2	35	59	87	4.30	.06	1.20	1775	1	.01	58	.10	6	ND	ND	ND	ND	20	ND	ND	76
L7+00N 7+75W	.1	4.48	5	ND	75	ND	.44	.1	21	68	73	4.66	.06	1.14	1042	1	.01	52	.10	6	ND	ND	ND	ND	22	ND	ND	76
L7+00N 8+00W	.1	4.00	7	ND	63	ND	.50	.2	23	57	78	4.80	.05	.73	665	1	.01	51	.05	5	ND	ND	ND	ND	15	ND	ND	67
L7+00N 8+25W	.1	4.62	10	ND	81	ND	.70	.1	24	111	123	4.73	.07	1.10	570	2	.01	60	.04	4	ND	ND	ND	ND	34	ND	ND	45
L7+00N 8+50W	.1	3.64	7	ND	103	ND	.48	.1	20	61	62	4.89	.06	.83	422	1	.01	52	.03	6	ND	ND	ND	ND	18	ND	ND	46
L7+00N 8+75W	.1	4.27	6	ND	58	ND	.34	.1	23	60	66	6.04	.07	.65	290	1	.01	43	.05	8	ND	ND	ND	ND	17	ND	ND	51
L7+00N 9+00W	.1	7.34	5	ND	45	ND	.32	.1	25	71	138	5.5.	.06	.83	539	3	.01	50	.16	1	ND	ND	ND	ND	12	ND	ND	72
L7+00N 9+25W	.1	3.02	6	ND	53	ND	.28	.1	17	38	43	4.40	.05	.44	335	ND	.01	31	.06	7	ND	ND	ND	ND	14	ND	ND	51
L7+00N 9+50W	.1	4.75	7	ND	177	ND	.56	.1	27	62	61	4.84	.06	1.04	1691	1	.01	66	.06	3	ND	ND	ND	ND	25	ND	ND	64
L7+00N 9+75W	.1	5.47	7	ND	139	ND	.41	.1	30	87	74	5.83	.07	1.11	413	2	.01	70	.04	4	ND	ND	ND	ND	17	ND	ND	61
L7+00N 10+00W	.1	3.62	8	ND	80	3	.36	.1	24	49	61	4.90	.06	.86	804	1	.01	47	.06	9	ND	ND	ND	ND	15	ND	ND	83
L7+00N 10+25W	.1	3.29	25	ND	63	ND	.32	.1	20	40	59	5.12	.06	.70	1128	3	.01	48	.11	14	ND	ND	ND	ND	13	ND	ND	109
L7+00N 10+50W	.1	1.93	9	ND	58	ND	.30	.2	14	21	28	3.92	.06	.35	1056	ND	.01	24	.08	11	ND	ND	ND	ND	16	ND	ND	64
L7+00N 10+75W	.1	6.20	8	ND	110	ND	.36	.2	54	65	96	5.80	.07	1.01	1851	4	.01	81	.10	8	ND	ND	ND	ND	15	ND	ND	189
L7+00N 11+00W	.3	4.30	10	ND	60	ND	.32	.4	30	63	95	5.97	.07	.94	394	2	.01	65	.04	8	ND	ND	ND	ND	13	ND	ND	64
L8+00N 7+50W	.1	4.72	ND	ND	88	ND	.28	.2	30	61	91	5.53	.07	.61	383	2	.01	64	.06	8	ND	ND	ND	ND	13	ND	ND	77
L8+00N 7+75W	.1	3.52	7	ND	67	ND	.30	.2	23	51	52	4.54	.06	.68	696	1	.01	46	.08	11	ND	ND	ND	ND	16	ND	ND	86
L8+00N 8+00W	.1	4.45	12	ND	67	ND	.34	.1	27	60	52	4.87	.06	.98	449	2	.01	62	.06	7	ND	ND	ND	ND	15	ND	ND	75
L8+00N 8+25W	.1	3.27	7	ND	56	3	.36	.2	24	47	78	4.19	.06	.85	643	1	.01	50	.06	9	ND	ND	ND	ND	15	ND	ND	56
L8+00N 8+50W	.1	2.95	4	ND	81	ND	.32	.1	24	39	71	4.22	.06	.56	1249	ND	.01	45	.08	10	ND	ND	ND	ND	12	ND	ND	82
L8+00N 8+75W	.3	4.66	3	ND	140	ND	.48	.5	23	76	73	5.35	.06	.65	1462	2	.01	55	.03	10	ND	ND	ND	ND	14	ND	ND	51
L8+00N 9+00W	.2	2.25	3	ND	89	6	.85	.2	20	42	32	4.07	.07	.53	700	ND	.01	32	.03	11	ND	ND	ND	2	25	ND	ND	62
L8+00N 9+25W	.2	3.87	12	ND	72	ND	.40	.1	25	58	213	5.3.	.07	.75	442	2	.01	53	.05	10	ND	ND	ND	1	16	ND	ND	129
L8+00N 9+50W	.2	4.51	8	ND	181	ND	.96	.4	39	75	85	4.65	.08	1.01	1731	2	.01	64	.05	11	ND	ND	ND	ND	26	ND	ND	73
L8+00N 9+75W	.1	3.79	5	ND	52	ND	.36	.1	26	60	74	4.85	.06	.83	457	1	.01	60	.05	9	ND	ND	ND	ND	15	ND	ND	75
L8+00N 10+00W	.1	4.67	10	ND	108	ND	.39	.4	32	72	116	5.01	.07	1.25	874	2	.01	74	.06	11	ND	ND	ND	ND	18	ND	ND	83
L8+00N 10+25W	.1	2.63	7	ND	63	ND	.26	.2	18	42	53	4.32	.06	.55	418	ND	.01	36	.05	10	ND	ND	ND	ND	13	ND	ND	54
L8+00N 10+50W	.1	5.10	7	ND	56	ND	.32	.3	30	63	123	5.66	.07	.88	766	3	.01	63	.06	8	ND	ND	ND	ND	11	ND	ND	70
L8+00N 10+75W	.1	2.72	5	ND	69	3	.32	.1	20	36	54	3.85	.06	.58	1279	ND	.01	38	.06	11	ND	ND	ND	ND	12	ND	ND	65
L8+00N 11+00W	.2	2.74	11	ND	65	ND	.35	.1	21	42	53	4.22	.06	.59	596	ND	.01	42	.04	11	ND	ND	ND	ND	14	ND	ND	51
DETECTION LIMIT	.1	.01	3	5	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	5	5	2	2	1	1	3	1

APPENDIX 3

EXPENDITURE

STATEMENT OF COST

ARROWSMITH CLAIMS

February 23, 1988 - March 1, 1988

Wages to S.E. Angus	- 8 days @ 150.00	=	1,200.00
Wages to A.E. Angus	- 8 days @ 150.00	=	1,200.00
4 wheel drive rental	- 8 days @ 40.00	=	320.00
Groceries		=	300.00
Gas		=	100.00
Ferry		=	50.00
Camp & Equipment	- 8 days @ 30.00	=	240.00
Assay Costs		=	2,650.00
Report Preparation		=	500.00
TOTAL			$ 6,560.00

APPENDIX 4

STATEMENT OF QUALIFICATIONS

I, Scott E. Angus of 12719-24A Ave., in the city of Surrey, British Columbia,

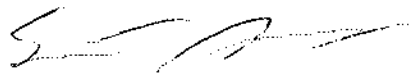
DO HEREBY CERTIFY:

That I am a prospector and have been actively involved in mining exploration for the past twelve years.

The following is a list of companies I have worked for:

1976 -	McIntyre Mines Ltd.
1977 -	McIntyre Mines Ltd.
1978 -	McIntyre Mines Ltd.
1979 -	J.C. Stephens Exploration Ltd.
1980 -	J.C. Stephens Exploration Ltd.
1981 -	J.C. Stephens Exploration Ltd.
1982 -	Carolin Mines Ltd.
-	Suneva Resources
-	Tenajon Silver Corp.
1983 -	Tenajon Silver Corp.
-	Cal Denver Resources
1984 -	Tenajon Silver Corp.
-	Cariboo Resources
-	Kokanee Resources
-	Homestock Resources
-	Carmac Resources
1985 -	Tenajon Silver Corp.
-	M.P.H. Consulting
-	Northair Mines Ltd.
1986 -	Northair Mines Ltd.
-	I.M. Watson and Associates
1987 -	Self Employed

I am presently the Vice President of Edsons Resources, Ltd., a private exploration company and a Director of Suntac Minerals Corporation, a soon to be listed company.



S.E. Angus

Dated at the City of Vancouver
Province of British Columbia
This 15th day of April,1988