Assessment Report.

Geochemical Soil Survey

Alexis 1 through Alexis 7	(#884 through #890)
Alexis 8	(#1032)
Alexis 9	(#1033)
Alexis 10 through Alexis 16	(#1034 through #1040)
Sunshine 1	(#1158)
Sunshine 2	(#1159)
Mining Division	Clinton
NTS Location	92N/8E
Latitude	51° 20'
Longitude	124° 14'
Owner & operator	James W. MORTON*

Author James W. MORTON B(Sc) geology M(Sc)

Date Submitted Aug. 15, 1982.

*in trust for the Alexis Joint Venture Syndicate.

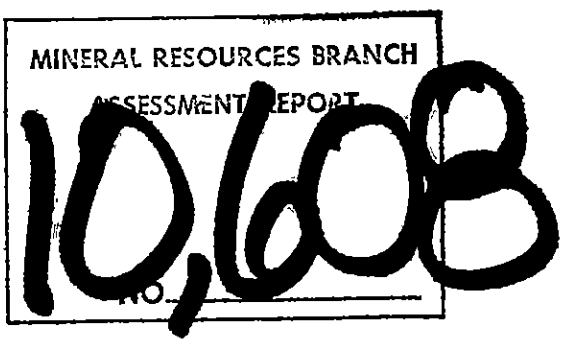
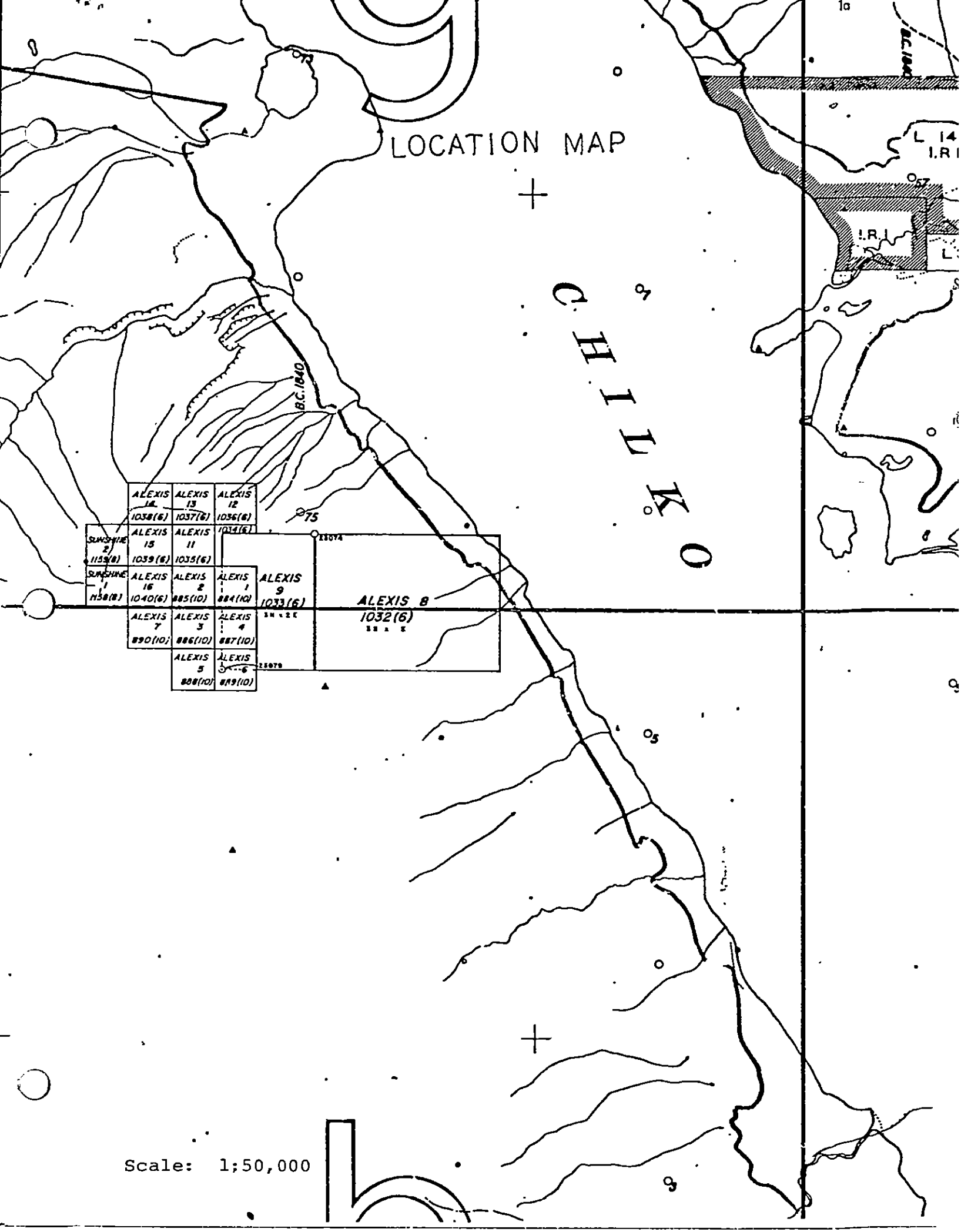


TABLE OF CONTENTS


LOCATION MAP
CHILKO
B.C. 1840
ALEXIS 14 1038(6)
ALEXIS 13 1037(6)
ALEXIS 12 1036(6)
1014(6)
SUNSHINE 2 1155(8)
ALEXIS 15 1039(6)
ALEXIS 11 1035(6)
SUNSHINE 1 1158(8)
ALEXIS 16 1040(6)
ALEXIS 2 885(10)
ALEXIS 1 884(10)
ALEXIS 9 1033(6)
ALEXIS 8 1032(6)
ALEXIS 7 890(10)
ALEXIS 3 886(10)
ALEXIS 4 887(10)
ALEXIS 5 888(10)
ALEXIS 6 889(10)
25074
25079
75
57
I.R. 1
L 14
I.R.
1a
Scale: 1;50,000

INTRODUCTION

(1) Location and Physiographic Position

The Alexis claim group is located west of Chilko Lake and south of Stikelon Pass in west central British Columbia. The claims occur in a semi-alpine to alpine environment of elevations ranging between 1,775 meters and 2,200 meters. Access to the claim group is presently by helicopter or by boat from the north end of Chilko Lake. At this time the nearest road to the property ends at Wilderness Lake approximately 13 kilometers northwest of the claim group.

(11) Property Definition:

The Alexis prospect was first noted by Morton several years ago while hunting in the area. A heterolithologic assemblage of intensely brecciated volcanic and sedimentary rocks was noted. Minor malachite staining was observed on some of the breccia clasts. During 1980 Morton made a decision to examine this prospect and subsequently staked the Alexis 1 to 7 claims. The Alexis 8 to 16 claims and the Sunshine 1 & 2 claims were added to the group in 1981.

The Alexis claim is broadly geologically situated within a complex region dominated by Cretaceous volcanic rocks. (Dacitic to andesitic agglomerates, porphyrys, porphyry breccias and tuffs and related sedimentary rocks.) The area of the claim group is located within a zone of numerous regional north-west trending faults running parrallel to the Tchaikazon Fault. The Tchaikazon Fault, specifically, is located approximately 3 kilometers north-east of the main showing. Numerous smaller fault systems trend

normal to or obliquely across the prospect from this regional system.

A limonitic-calcareous breccia zone occurs within this tectonic framework. This zone, discontinuously having dimensions of 300 meters by 1,000 meters is metallically mineralized at surface in at least two locations. Rock assays of up to 1.47% copper, 0.4% mercury, 0.4% antimony and 0.48 oz/ton silver have been obtained from these surface showings.

The Alexis claim group is currently owned and operated by James W. Morton.*

(iii) Geochemical Soil Survey

184 samples collected

143 analysed for Cu, Mo, Ag, Hg, Au, As

41 analysed for Cu, Mo, Ag, Au, As

(iv) Work was predominantly conducted on the following claims: Alexis 1, 2, 3, 4, 9 and 16.

* In trust for the Alexis Joint Venture Syndicate.

SOIL GEOCHEMICAL SURVEY REPORT

Methods

Grid Establishment:

A total of 11.8 kilometers of grid was established on a contour elevation basis. The grid has boundaries that effectively place the original discovery, the "Knob Showing", in the centre of the grid. A Thommen altimeter was used to obtain elevation control, while a Topolite belt chain was used to control horizontal distance. The grid lines are marked with fluorescent ribbon, while stations are marked at 100 meter intervals, (with wooden pickets and paired fluorescent green and red ribbons). A linear geophysical grid was established over part of the survey area following the geochemical survey and was used to obtain final corrections for map positioning of the stations.

Soil Development

Soil occurring in the area of this survey are typically juvenile Eutric Brunisolictypes. They are poorly developed and horizonation is practically indiscernable. Soils typically exceed 50 cm in depth and often overlie limonitic brecciated rocks. Soils are typically quite rusty coloured, although no Bf horizon exists. Soil rock interfaces are usually indistinct because of the extensively brecciated underlying rocks.

Survey Methods

Samples were obtained by digging a sample at each station from a depth of approximately 30 centimeters. A grub hoe was used to dig the samples. Samples were placed in kraft paper bags and

were then air dried before shipment to Chemex Labs in Vancouver. Chemex staff prepared the samples for analysis by dry seiving the field samples to obtain A.S.T.M. 80 mesh fractions. Chemex then hot digested the 80 mesh fractions and analysed them by atomic absorption methods. Arsenic determinations were obtained at a later date from the stored sample pulps, a complete lab procedure is given in the appendix of this report. Geochemical analysis were all conducted by Chemex Labs Ltd. of 212 Brooksbank Avenue, North Vancouver, B.C. Samples were field collected between July 9, 1981 and July 14, 1981 and on August 19, 1981, Arsenic determinations were completed on January 11, 1982.

Interpretations

Anomalous Occurrences

Mercury is the element that occurs the most consistently in extremely anomalous concentrations. Mercury zones are outlined on the Mercury - Copper Geochemical Map. Mercury zone boundaries occur where strong contrast exists between adjacent stations. (Mercury values are typically less than 200 p.p.b. outside the zones and over 500 p.p.b. within the zone). Lithological units within the mercury zone are restricted to altered clastic sediments and altered andesite flows and andesite pyroclastics. Lithological units well away from the mercury zone have been identified as non altered volcanic conglomerates and non altered clastic sediments. Within the mercury zones anomalous concentrations are defined as greater than 1000 parts per billion. Anomalous concentration countours are outlined on the map at

contour intervals of greater than 2000 parts per billion and at greater than 5000 parts per billion. The "Knob Showing" occurs centrally within the mercury zone while the "Ridge Showing" occurs on the edge of the mercury zone. The largest mercury anomaly in the survey area is a region of greater than 2000 parts per billion mercury occurring immediately northeast of the "Knob Showing". This anomaly has dimensions of 300 meters by 150 meters and has a central core exceeding 5000 parts per billion mercury.

Arsenic likewise occurs in widespread anomalous concentrations. Background values for arsenic occur in concentrations of 15 to 49 parts per million over the entire survey area. (Compared to typical regional values of 5 to 15 parts per million). Anomalous arsenic concentrations in this survey, are defined as greater than 50 parts per million and the arsenic map is contoured at concentration intervals of greater than 50 parts per million and greater than 100 parts per million. Two major anomalous regions occur. The "Knob Showing" occurs within an arsenic anomaly greater than 50 parts per million with dimensions of 400 by 200 meters. The "Ridge Showing" occurs near the edge of an, as of yet unclosed, anomaly with dimensions exceeding 500 by 300 meters. Soil arsenic values exceeding 1000 parts per million occur above the "Ridge Showing".

Gold occurs regularly over the survey area in subanomalous concentrations and occassionally in anomalous concentrations. Background gold concentrations for the survey range from non detectable to 5 parts per billion. Threshold gold concentrations for the survey are defined as ranging from 5 to 15 p.p.b. Anomalous

gold concentrations are defined as greater than, or equal to, 15 parts per billion. The "Knob Showing" corresponds to a 100 meter by 100 meter weak anomaly of 20 to 30 parts per billion. The "Ridge Showing" corresponds to a single unclosed line of 6 anomalous samples ranging from 60 to 225 parts per billion. These samples were collected on a tightly spaced followup grid and presently define an unclosed zone 125 meters long. This zone corresponds to the highest arsenic concentrations within the survey area. (200 to 1000 p.p.m.)

A few isolated anomalous soil copper concentrations occur in the 70 to 195 parts per million range.

Follow Up (1981 Induced Polarization Survey)

A limited Induced Polarization survey was completed in the vicinity of the "Knob Showing". A very strong chargeability response was obtained adjacent to the "Know Showing" conforming to Mercury, arsenic, gold geochemical anomalies. Chargeabilities in the "Knob" I.P. anomaly range from 400% to 800% background values. A single I.P. line was run over the "Ridge Showing". This single line is likewise geophysically anomalous with chargeabilities of 300% background indicated at a depth of approximately 100 meters and apparently increasing with depth. The single line "Ridge" I.P. anomaly corresponds to the highest arsenic-gold geochemical concentrations recorded during the soil survey.

Follow Up (Prospecting 1982)

Follow up prospecting completed July 19/82 has uncovered a quartz-calcite vein system occurring beneath the Knob showing. This

vein system is approximately 25 meters wide, it has a strike of 125° and is nearly vertical. Follow up prospecting also completed by the same date has uncovered rock at the Ridge Showing, in the vicinity of soil sample station AXC-12, that consists of calcareous vein breccia containing arsenopyrite and alunite.

Costs.

Field Costs

July 8-11/81	Charles Evans	4 days @ $75 day	$300
	Ted Keihn	4 days @ $75 day	$300
July 19/82	Morton	1 day @ $75 day	75
	Eberlee	1 day @ $150 day	100
Assay costs	143 samples analysed for Cu,Mo,Ag,Hg,Au,As	@ $15.00	$2145
	41 samples analysed for Cu, Mo, Ag,Au,As	@ $11.50	$471
Preparation of Report. Morton	Feb. 1-2/82	@ $150 day	$300
	July 26/82	@ $150 day	$150
			$3841.00

AUTHOR'S QUALIFICATIONS - James W. MORTON

B(sc) (Geology)	Carleton University, Ottawa 1971
M(sc) (Soils)	University of British Columbia, Vancouver, 1976
Experience:	Prospectors Assistant, Bralorne-Canfer Mines 1969
	Geological Assistant, Bralorne-Canfer Mines 1970
	Geologist, Giant Mascot Mines 1971
	Party Chief, Sumitomo Mines 1972
	Senior Assistant, Fox Geological Consultants 1973
	M(sc) in Mine Reclamation 1974-1975
	Range Management, B.C.F.S., Range Div. 1975-1979
	President, Western Horizontal Wells 1980 - present
	Manager of Exploration, Alexis Joint Venture 1981 - present

ALEXIS GEOCHEMISTRY SOILS (RIDGE SHOWING)

Station and Sample No.	Cu p.p.m.	Mo p.p.m.	Ag p.p.m.	Au	As p.p.m.
AXC S-1	46	1	0.1	n.d.	27
AXC S-2	41	1	0.1	n.d.	15
AXC S-3	31	1	0.1	n.d.	22
AXC S-4	62	3	0.1	n.d.	29
AXC S-5	59	2	0.1	5	115
AXC S-6	46	1	0.1	5	48
AXC S-7	43	1	0.1	5	335
AXC S-8	50	1	0.1	10	225
AXC S-9	41	1	0.1	60	50
AXC S-10	64	1	0.1	225	250
AXC S-11	39	1	0.1	30	225
AXC S-12	59	1	0.1	180	>1000
AXC S-13	53	1	0.1	120	94
AXC S-14	49	1	0.1	150	55
AXC S-15	52	1	0.1	5	135
AXC S-16	42	1	0.1	5	46
AXC S-17	46	1	0.1	n.d.	81
AXC S-18	41	1	0.1	5	135
AXC S-19	56	1	0.1	n.d.	69
AXC S-20	51	1	0.1	10	61
AXC S-21	53	1	0.1	10	63
AXC S-22	60	1	0.1	n.d.	63
AXC S-23	41	1	0.1	10	75
AXC S-24	53	1	0.1	n.d.	115
AXC S-25	55	1	0.1	n.d.	59
AXC S-26	57	1	0.1	15	53
AXC S-27	48	1	0.1	25	61
AXC S-28	62	1	0.1	15	61
AXC S-29	43	1	0.1	10	57
AXC S-30	41	1	0.1	20	83
AXC S-31	47	1	0.1	5	110
AXC S-32	43	1	0.1	n.d.	88
AXC S-33	44	1	0.1	5	65
AXC S-34	50	1	0.1	15	94

n.d. - none detected

TABLE 1

Station and Sample No.	Cu p.p.m.	Mo p.p.m.	Ag p.p.m.	Hg p.p.b.	Au p.p.b.	As
AX63 S-15	31	1	0.1	1800	5	22
AX63 S-16	35	1	0.1	110	10	16
AX63 S-17	28	1	0.1	60	n.d.	17
AX63 S-18	40	1	0.1	720	n.d.	22
AXT S-1	35	1	0.1		10	39
AXT S-2	41	1	0.1		10	48
AXT S-3	48	1	0.1		<5	83
AXT S-4	34	1	0.1		n.d.	4
AXT S-5	68	1	0.1		5	36
AXT S-6	47	1	0.1		n.d.	22
AXT S-7	59	1	0.1		5	81
AX69 - 2	111	1	0.1	>10000	20	23
AX69 - 3	58	1	0.1	2300	10	85
AX69 - 4	73	1	0.1	1000	15	55
AX69 - 5	58	1	0.1	8300	15	92
AX69 - 6	27	1	0.1	1400	15	180
AX69 S-1	53	1	0.1	630	5	N.S.S.
AX69 S-2	87	1	0.1	1600		78
AX69 S-2.6	90	1	0.1	460	15	53
AX69 S-3	78	1	0.1	460	10	51
AX69 S-4	63	1	0.1	110	10	115
AX69 S-5	48	1	0.1	100	10	22
AX69 S-6	48	1	0.1	160	n.d.	48
AX69 S-7	41	1	0.1	770	n.d.	30
AX69 S-8	36	1	0.1	120	n.d.	39
AX69 S-8.4	195	1	0.1	80	n.d.	103
AX69 S-9	33	1	0.1	80	n.d.	25
AX69 S-10A	52	1	0.1	130	35	45
AX69 S-103	35	1	0.1	140	5	6
AX69 S-11	48	1	0.1	150	n.d.	24
AX69 S-12	36	1	0.1	60	n.d.	12
AX69 S-13	47	1	0.1	90	5	15
AX69 S-14	38	1	0.1	70	5	27
AX68 - 1	63	1	0.1	1600	20	53
AX68 - 1.5	53	1	0.1	2500	20	N.S.S.
AX68 - 2	56	1	0.1	6600	20	N.S.S.
AX68 - 2.5	51	1	0.1	2700	20	71
AX68 - 3	56	1	0.1	630	10	355
AX68 - 3.5	49	1	0.1	780	10	99
AX68 - 4	60	1	0.1	620	20	73
AX68 - 5	70	1	0.1	750	30	55
AX68 - 5.5	56	1	0.1	2200	20	85
AX68 - 6	59	1	0.1	4100	30	71
AX68 - 6.5	22	1	0.1	3500	20	120
AX68 - 7	47	1	0.1	1300	15	115
AX68 - 7.5	52	1	0.1	540	10	59

n.d. - none detected

TABLE 2

Station and Sample No.	Cu p.p.m.	Mo p.p.m.	Ag p.p.m.	Hg p.p.b.	Au p.p.b.	As
AX68 S-1	47	1	0.1	840	5	50
AX68 S-2	60	1	0.1	810	5	51
AX68 S-3	54	1	0.1	3600	5	107
AX68 S-4	46	1	0.1	280	5	65
AX68 S-5	40	1	0.1	100	10	33
AX68 S-6	35	1	0.1	200	5	27
AX68 S-7	46	1	0.1	370	10	35
AX68 S-8	38	1	0.1	610	5	43
AX68 S-9	45	1	0.1	140	n.d.	29
AX68 S-10	42	1	0.1	110	5	38
AX68 S-11	45	1	0.1	170	10	46
AX68 S-12	41	1	0.1	420	10	22
AX68 S-13	42	1	0.1	160	<5	29
AX68 S-14	39	1	0.1	1100	10	117
AX67 S-1	54	1	0.1	310	5	29
AX67 S-2	55	1	0.1	380	10	59
AX67 S-3	45	1	0.1	270	n.d.	63
AX67 S-4	41	1	0.1	150	n.d.	48
AX67 S-5	39	1	0.1	200	5	27
AX67 S-6	44	1	0.1	210	10	30
AX67 S-7	37	1	0.1	230	n.d.	25
AX67 S-8	58	1	0.1	6100	n.d.	51
AX67 S-9	58	1	0.1	8200	n.d.	51
AX67 S-10	52	1	0.1	1100	10	81
AX67 S-11	44	1	0.1	510	10	51
AX67 S-12	53	1	0.1	460	10	61
AX67 S-13	42	1	0.1	900	5	25
AX67 S-14	40	1	0.1	180	<5	30
AX67 S-15	63	1	0.1	100	5	39
AX67 S-16	42	1	0.1	160	5	38
AX67 S-17	35	1	0.1	100	n.d.	17
AX67 S-18	37	1	0.1	380	n.d.	17

n.d. - none detected

TABLE 3

Station and Sample No.	Cu p.p.m.	Mo p.p.m.	Ag p.p.m.	Hg p.p.b.	Au p.p.b.	As
AX66 S-1	46	1	0.1	980	5	48
AX66 S-2	45	1	0.1	610	5	46
AX66 S-3	41	1	0.1	440	5	53
AX66 S-4	36	1	0.1	160	5	36
AX66 S-5	36	1	0.1	170	n.d.	33
AX66 S-6	35	1	0.1	250	5	29
AX66 S-7	40	3	0.1	690	5	32
AX66 S-8	47	1	0.1	2400	10	53
AX66 S-9	52	1	0.1	5600	5	63
AX66 S-10	46	1	0.1	210	5	71
AX66 S-11	47	1	0.1	240	5	45
AX66 S-12	61	1	0.1	110	n.d.	25
AX66 S-13	57	1	0.1	1900	n.d.	65
AX66 S-14	45	1	0.1	2200	n.d.	27
AX66 S-15	41	1	0.1	120	n.d.	30
AX66 S-16	48	1	0.1	260	n.d.	43
AX66 S-17	39	1	0.1	190	5	20
AX66 S-18	31	2	0.1	230	n.d.	15
AX66 S-19	38	1	0.1	170	5	17

n.d. - none detected

TABLE 4

ALEXIS GEOCHEMISTRY SOILS

Station and Sample No.	Cu p.p.m.	Mo p.p.m.	Ag p.p.m.	Hg p.p.b.	Au p.p.b.	As
AX65 S-1	43	1	0.1	1400	5	85
Ax65 S-2	43	1	0.1	260	10	67
AX65 S-3	40	1	0.1	230	15	41
AX65 S-4	38	1	0.1	200	10	36
AX65 S-5	33	1	0.1	190	10	25
AX65 S-6	39	1	0.1	710	n.d.	36
AX65 S-7	34	1	0.1	650	20	30
AX65 S-8	36	1	0.1	650	10	39
AX65 S-9	39	1	0.1	4200	5	61
AX65 S-10	42	1	0.1	760	n.d.	46
AX65 S-11	42	1	0.1	940	5	45
AX65 S-12	40	1	0.1	100	10	22
AX65 S-13	54	1	0.1	640	10	38
AX65 S-14	40	1	0.1	360	5	22
AX65 S-15	42	1	0.1	760	5	19
AX65 S-16	37	1	0.1	190	5	10
AX65 S-17	35	1	0.1	90	5	17
AX65 S-18	30	1	0.1	160	n.d.	15
AX65 S-19	41	1	0.1	170	n.d.	23
AX64 S-1	47	1	0.1	3600	n.d.	57
AX64 S-2	40	1	0.1	250	n.d.	48
AX64 S-3	38	1	0.1	200	n.d.	38
AX64 S-4	33	1	0.1	100	20	30
AX64 S-5	32	1	0.1	520	n.d.	32
AX64 S-6	33	1	0.1	560	n.d.	39
AX64 S-7	44	1	0.1	340	10	35
AX64 S-8	49	1	0.1	430	n.d.	32
AX64 S-9	41	1	0.1	1300	n.d.	35
AX64 S-10	35	1	0.1	240	20	33
AX64 S-11	35	1	0.1	660	20	25
AX64 S-12	49	1	0.1	90	10	16
AX64 S-13	10	1	0.1	100	10	16
AX64 S-14	26	1	0.1	180	n.d.	17
AX64 S-15	32	1	0.1	90	n.d.	17
AX64 S-16	51	1	0.1	60	n.d.	11
AX64 S-17	36	1	0.1	90	n.d.	27
AX64 S-18	24	1	0.1	120	n.d.	24
AX63 S-1	46	1	0.1	420	5	41
AX63 S-2	36	1	0.1	610	5	25
AX63 S-3	34	1	0.1	160	n.d.	35
AX63 S-4	30	1	0.1	150	5	29
AX63 S-5	37	1	0.1	7100	10	29
AX63 S-6	32	1	0.1	150	10	25
AX63 S-7	41	1	0.1	550	10	33
AX63 S-8	32	1	0.1	1400	10	33
AX63 S-9	36	1	0.1	270	n.d.	24
AX63 S-10	36	1	0.1	120	n.d.	24
AX63 S-11	32	1	0.1	70	n.d.	24
AX63 S-12	40	1	0.1	110	10	27
AX63 S-13	54	1	0.1	100	10	19
AX63 S-14	44	1	0.1	110	n.d.	17

n.d. - none detected

TABLE 5

1. Geochemical samples (soils, silts) are dried at 80°C for a period of 12 to 24 hours. The dried sample is sieved to -80 mesh fraction through a nylon and stainless steel sieve. Rock geochemical materials are crushed, dried and pulverized to -100 mesh.

2. A 1.00 gram portion of the sample is weighed into a calibrated test tube. The sample is digested using hot 70% $HClO_4$ and concentrated HNO_3. Digestion time = 2 hours.

3. Sample volume is adjusted to 25 mls. using demineralized water. Sample solutions are homogenized and allowed to settle before being analysed to atomic absorption procedures.

4. Detection limits using Techtron A.A.5 atomic absorption unit.

	Copper	- 1 ppm
	Molybdenum	- 1 ppm
	Zinc	- 1 ppm
*	Silver	- 0.2 ppm
*	Lead	- 1 ppm

* Ag & Pb are corrected for background absorption.

5. Elements present in concentrations below the detection limits are reported as one half the detection limit, i.e. Ag - 0.1 ppm.

PPB Gold: 5 gm samples ashed @ 800°C for one hour, digested with aqua regia - twice to dryness - taken up in 25% HCL-, the gold then extracted as the bromide complex into MIBK and analyzed via A.A.
Detection limit - 10 PPB

PPB Mercury: The sample is digested with nitric acid plus a small amount of hydrochloric acid. Following digestion the resulting clear solution is transferred to a reaction flask connected to a closed system absorption cell. Stannous sulfate is rapidly added to reduce mercury to its elemental state. The mercury is then flushed out of the reaction vessel into the absorption cell where it is measured by cold vapour atomic absorption methods with a Jarrell Ash Multi-Versatility Spectrophotometer. The absorbance of samples is compared with the absorbance of freshly-prepared mercury standard solutions carried through the same procedure. The detection limit of this method is 5 ppb.

PPM Arsenic: a 1.0 gram sample is digested with a mixture of perchloric and nitric acid to strong fumes of perchloric acid. The digested solution is diluted to volume and mixed. An aliquot of the digest is acidified, reduced with KI and mixed. A portion of the reduced solution is converted to arsine with $NaBH_4$ and the arsenic content determined using flameless atomic absorption.
Detection limit - 1 PPM

PPM Silver: a 1.0 gm portion of sample is digested in conc. perchloric-nitric acid ($HClO_4$ - HNO_3) for approx. 2 hours. The digested sample is cooled and made up to 25 mls with distilled water. The solution is mixed and solids are allowed to settle. Silver is determined by atomic absorption technique using background correction on analysis.
Detection limit - 0.2 PPM

PPM Molybdenum: A 1.0 gm portion of sample is digested in conc. perchloric-nitric acid ($HClO_4$-HNO_3) for approx. 2 hours. The digested sample is cooled and made up to 25 mls with distilled water. The solution is mixed and solids are allowed to settle. Copper and Molybdenum are determined by atomic absorption techniques.
Detection Limit - 1.0 PPM

TUNGSTEN:

0.50 gm sample is fused with potassium bisulfate and leached with hydrochloric acid. The reduced form of tungsten is complexed with toluene 3,4 dithiol and extracted into an organic phase. The resulting color is visually compared to similarly prepared standards.
Detection limit - 2 PPM

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C
CANADA V7J 2C1
TELEPHONE: (604)984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : MORTON, MR. BILL
BOX 4438
WILLIAMS LAKE, B.C.

CERT. # : A8112419-001-A
INVOICE # : I8112419
DATE : 09-AUG-81
P.O. # : NONE
ALEXIS JOINT VENTURE

Sample description	Prep code	Cu ppm	Mo ppm	Ag ppm	Hg ppb	AU-FA+AA ppb	
AX 2-S-1	201	58	1	0.1	--	--	--
AX 2-S-2	201	43	1	0.1	--	--	--
AX 2-S-3	201	55	1	0.1	--	--	--
AX 2-S-4	201	42	1	0.1	--	--	--
AX 2-S-5	201	38	1	0.1	--	--	--
AX 2-S-6	201	32	1	0.3	--	--	--
AX 2-S-7	201	35	1	0.1	--	--	--
AX 2-S-8	201	41	1	0.1	--	--	--
AX 2-S-9	201	43	1	0.1	--	--	--
AX 2-S-9.7	201	63	1	0.1	--	--	--
AX 2-S-10	201	41	1	0.1	--	--	--
AX 2-S-11	201	46	1	0.1	--	--	--
AX 2-S-12	201	46	1	0.1	--	--	--
AX 2-SLT-A	201	42	1	0.1	--	20	--
AX 2-SLT-B	201	46	1	0.1	--	15	--
AX 2-SLT-1	201	42	1	0.1	--	15	--
AX 2-SLT-2	201	46	1	0.1	--	15	--
AX 2-SLT-3	201	48	1	0.1	--	20	--
AX 2-SLT-4	201	58	1	0.1	--	15	--
AX 2-SLT-5	201	63	1	0.1	--	10	--
AX 2-SLT-6	201	52	1	0.1	--	20	--
AX 2-SLT-7	203	48	1	0.1	--	15	--
AXT-S-1	201	35	1	0.1	--	--	--
AXT-S-2	201	41	1	0.1	--	--	--
AXT-S-3	201	48	1	0.1	--	--	--
AXT-S-4	201	34	1	0.1	--	--	--
AXT-S-5	201	68	1	0.1	--	--	--
AXT-S-6	201	47	1	0.1	--	--	--
AXT-S-7	201	59	1	0.1	--	--	--
AX3-S-1	201	30	1	0.1	--	--	--
AX3-S-2	201	41	1	0.1	--	--	--
AX3-S-3	201	36	1	0.1	--	--	--
AX3-S-4	201	34	1	0.1	--	--	--
AX3-S-5	201	32	1	0.1	--	--	--
AX3-S-6	201	37	1	0.1	--	--	--
AX3-S-7	201	53	1	0.1	--	--	--
AX3-S-8	201	31	1	0.1	--	--	--
AX4-S-1	201	62	1	0.1	--	--	--
AX4-S-2	201	49	1	0.1	--	--	--
AX4-S-3	201	47	1	0.1	--	--	--

Certified by Hart Bichler....

CHEMEX LABS LTD.

212 BROOKSBANK AVE
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE (604)984-0221
TELEX. 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : MORTON, MR. BILL
BOX 4438
WILLIAMS LAKE, B.C.

CERT. # : A8112419-002-A
INVOICE # : I8112419
DATE : 09-AUG-81
P.O. # : NONE
ALEXIS JOINT VENTURE

Sample description	Prep code	Cu ppm	Mo ppm	Ag ppm	Hg ppb	AU-FA+AA ppb	
AX4-S-4	201	43	1	0.1	--	--	--
AX4-S-5	201	59	1	0.1	--	--	--
AX4-S-6	201	51	1	0.1	--	--	--
AX4-S-7	201	35	1	0.1	--	--	--
AX5-S-1	203	32	1	0.1	--	--	--
AX5-S-2	201	25	1	0.1	--	--	--
AX5-S-3	201	31	1	0.1	--	--	--
AX5-S-4	201	26	1	0.1	--	--	--
AX5-S-5	201	34	1	0.1	--	--	--
AX5-S-6	201	30	1	0.1	--	--	--
AX5-S-7	201	29	1	0.1	--	--	--
AX5-S-8	201	24	1	0.1	--	--	--
AXC-S-1	201	46	1	0.1	--	--	--
AXC-S-2	201	41	1	0.1	--	--	--
AXC-S-3	201	31	1	0.1	--	--	--
AXC-S-4	201	62	3	0.1	--	--	--
AXC-S-5	201	59	2	0.1	--	--	--
AXC-S-6	201	46	1	0.1	--	--	--
AXC-S-7	201	43	1	0.1	--	--	--
AXC-S-8	201	50	1	0.1	--	--	--
AXC-S-9	201	41	1	0.1	--	--	--
AXC-S-10	201	64	1	0.1	--	--	--
AXC-S-11	201	39	1	0.1	--	--	--
AXC-S-12	201	59	1	0.1	--	--	--
AXC-S-13	201	53	1	0.1	--	--	--
AXC-S-14	201	49	1	0.1	--	--	--
AXC-S-15	201	52	1	0.1	--	--	--
AXC-S-16	201	42	1	0.1	--	--	--
AXC-S-17	201	46	1	0.1	--	--	--
AXC-S-18	201	41	1	0.1	--	--	--
AXC-S-19	201	56	1	0.1	--	--	--
AXC-S-20	201	51	1	0.1	--	--	--
AXC-S-21	201	53	1	0.1	--	--	--
AXC-S-22	201	60	1	0.1	--	--	--
AXC-S-23	201	41	1	0.1	--	--	--
AXC-S-24	201	53	1	0.1	--	--	--
AXC-S-25	201	55	1	0.1	--	--	--
AXC-S-26	201	57	1	0.1	--	--	--
AXC-S-27	201	48	1	0.1	--	--	--
AXC-S-28	201	62	1	0.1	--	--	--

Certified by Hart Bichler....

CTA MEMBER CANADIAN TESTING ASSOCIATION

CHEMEX LABS LTD.

212 BROOKSBANK AVE
NORTH VANCOUVER, B C.
CANADA V7J 2C1
TELEPHONE (604)984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : MORTON, MR. BILL
BOX 4438
WILLIAMS LAKE, B.C.

CERT. # : A8112419-003-A
INVOICE # : I8112419
DATE : 09-AUG-81
P.O. # : NONE
ALEXIS JOINT VENTURE

Sample description	Prep code	Cu ppm	Mo ppm	Ag ppm	Hg ppb	AU-FA+AA ppb	
AXC-S-29	201	43	1	0.1	--	--	--
AXC-S-30	201	41	1	0.1	--	--	--
AXC-S-31	201	47	1	0.1	--	--	--
AXC-S-32	201	43	1	0.1	--	--	--
AXC-S-33	201	44	1	0.1	--	--	--
AXC-S-34	201	50	1	0.1	--	--	--
AX 63-S-1	201	46	1	0.1	420	--	--
AX 63-S-2	201	36	1	0.1	610	--	--
AX 63-S-3	201	34	1	0.1	160	--	--
AX 63-S-4	201	30	1	0.1	150	--	--
AX 63-S-5	201	37	1	0.1	7100	--	--
AX 63-S-6	201	32	1	0.1	150	--	--
AX 63-S-7	201	41	1	0.1	550	--	--
AX 63-S-8	201	32	1	0.1	1400	--	--
AX 63-S-9	201	36	1	0.1	270	--	--
AX 63-S-10	201	36	1	0.1	120	--	--
AX 63-S-11	201	32	1	0.1	70	--	--
AX 63-S-12	201	40	1	0.1	110	--	--
AX 63-S-13	201	54	1	0.1	100	--	--
AX 63-S-14	201	44	1	0.1	110	--	--
AX 63-S-15	201	31	1	0.1	1800	--	--
AX 63-S-16	201	35	1	0.1	110	--	--
AX 63-S-17	201	28	1	0.1	60	--	--
AX 63-S-18	201	40	1	0.1	720	--	--
AX 65-S-1	201	43	1	0.1	1400	--	--
AX 65-S-2	201	43	1	0.1	260	--	--
AX 65-S-3	201	40	1	0.1	230	--	--
AX 65-S-4	201	38	1	0.1	200	--	--
AX 65-S-5	201	33	1	0.1	190	--	--
AX 65-S-6	201	39	1	0.1	710	--	--
AX 65-S-7	201	34	1	0.1	650	--	--
AX 65-S-8	201	36	1	0.1	650	--	--
AX 65-S-9	201	39	1	0.1	4200	--	--
AX 65-S-10	201	42	1	0.1	760	--	--
AX 65-S-11	201	42	1	0.1	940	--	--
AX 65-S-12	201	40	1	0.1	100	--	--
AX 65-S-13	201	54	1	0.1	640	--	--
AX 65-S-14	201	40	1	0.1	360	--	--
AX 65-S-15	201	42	1	0.1	760	--	--
AX 65-S-16	201	37	1	0.1	190	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by Hart Bichler....

CHEMEX LABS LTD.

212 BROOKSBANK AVE
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE (604)984-0221
TELEX 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : MORTON, MR. BILL
BOX 4438
WILLIAMS LAKE, B.C.

CERT. # : A8112419-004-A
INVOICE # : I8112419
DATE : 09-AUG-81
P.O. # : NONE
ALEXIS JOINT VENTURE

Sample description	Prep code	Cu ppm	Mo ppm	Ag ppm	Hg ppb	AU-FA+AA ppb	
AX 65-S-17	201	35	1	0.1	90	--	--
AX 65-S-18	201	30	1	0.1	160	--	--
AX 65-S-19	201	41	1	0.1	170	--	--
AX 66-S-1	201	46	1	0.1	980	--	--
AX 66-S-2	201	45	1	0.1	610	--	--
AX 66-S-3	201	41	1	0.1	440	--	--
AX 66-S-4	201	36	1	0.1	160	--	--
AX 66-S-5	201	36	1	0.1	170	--	--
AX 66-S-6	201	35	1	0.1	250	--	--
AX 66-S-7	201	40	3	0.1	690	--	--
AX 66-S-8	201	47	1	0.1	2400	--	--
AX 66-S-9	201	52	1	0.1	5600	--	--
AX 66-S-10	201	46	1	0.1	210	--	--
AX 66-S-11	201	47	1	0.1	240	--	--
AX 66-S-12	201	61	1	0.1	110	--	--
AX 66-S-13	203	57	1	0.1	1900	--	--
AX 66-S-14	201	45	1	0.1	2200	--	--
AX 66-S-15	201	41	1	0.1	120	--	--
AX 66-S-16	201	48	1	0.1	260	--	--
AX 66-S-17	201	39	1	0.1	190	--	--
AX 66-S-18	201	31	2	0.1	230	--	--
AX 66-S-19	201	38	1	0.1	170	--	--
AX 67-S-1	201	54	1	0.1	310	--	--
AX 67-S-2	201	55	1	0.1	380	--	--
AX 67-S-3	201	45	1	0.1	270	--	--
AX 67-S-4	201	41	1	0.1	150	--	--
AX 67-S-5	201	39	1	0.1	200	--	--
AX 67-S-6	201	44	1	0.1	210	--	--
AX 67-S-7	201	37	1	0.1	230	--	--
AX 67-S-8	201	58	1	0.1	6100	--	--
AX 67-S-9	201	58	1	0.1	8200	--	--
AX 67-S-11	201	44	1	0.1	510	--	--
AX 67-S-12	201	53	1	0.1	460	--	--
AX 67-S-13	201	42	1	0.1	900	--	--
AX 67-S-14	201	40	1	0.1	180	--	--
AX 67-S-15	201	63	1	0.1	100	--	--
AX 67-S-16	201	42	1	0.1	160	--	--
AX 67-S-17	201	35	1	0.1	100	--	--
AX 67-S-18	201	37	1	0.1	380	--	--
AX 68-S-1	201	47	1	0.1	840	--	--

Certified by Hart Richlen

CTA MEMBER CANADIAN TESTING ASSOCIATION

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE (604)984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : MORTON, MR. BILL
BOX 4438
WILLIAMS LAKE, B.C.

CERT. # : A8112419-005-A
INVOICE # : I8112419
DATE : 09-AUG-81
P.O. # : NONE
ALEXIS JOINT VENTURE

Sample description	Prep code	Cu ppm	Mo ppm	Ag ppm	Hg ppb	AU-FA+AA ppb	
AX 68-S-2	201	60	1	0.1	810	--	--
AX 68-S-3	201	54	1	0.1	3600	--	--
AX 68-S-4	201	46	1	0.1	280	--	--
AX 68-S-5	201	40	1	0.1	100	--	--
AX 68-S-6	201	35	1	0.1	200	--	--
AX 68-S-7	201	46	1	0.1	370	--	--
AX 68-S-8	201	38	1	0.1	610	--	--
AX 68-S-9	201	45	1	0.1	140	--	--
AX 68-S-10	203	42	1	0.1	110	--	--
AX 68-S-11	201	45	1	0.1	170	--	--
AX 68-S-12	201	41	1	0.1	420	--	--
AX 68-S-13	201	42	1	0.1	160	--	--
AX 68-S-14	201	39	1	0.1	1100	--	--
AX 68-1.0	201	63	1	0.1	1600	20	--
AX 68-1.5	201	53	1	0.1	2500	20	--
AX 68-2.0	201	56	1	0.1	6600	20	--
AX 68-2.5	203	51	1	0.1	2700	20	--
AX 68-3.0	201	56	1	0.1	630	10	--
AX 68-3.5	201	49	1	0.1	780	10	--
AX 68-4.0	201	60	1	0.1	620	20	--
AX 68-5.0	201	70	1	0.1	750	30	--
AX 68-5.5	201	56	1	0.1	2200	20	--
AX 68-6.0	201	59	1	0.1	4100	30	--
AX 68-6.5	203	22	1	0.1	3500	20	--
AX 68-7.0	201	47	1	0.1	1300	15	--
AX 68-7.5	201	52	1	0.1	540	10	--
AX 69-S-1	201	53	1	0.1	630	--	--
AX 69-S-2	201	87	1	0.1	1600	--	--
AX 69-S-2.6	201	90	1	0.1	460	--	--
AX 69-S-3	201	78	1	0.1	460	--	--
AX 69-S-4	201	63	1	0.1	110	--	--
AX 69-S-5	201	48	1	0.1	100	--	--
AX 69-S-6	201	48	1	0.1	160	--	--
AX 69-S-7	201	41	1	0.1	770	--	--
AX 69-S-8	201	36	1	0.1	120	--	--
AX 69-S-8.4	201	195	1	0.1	80	--	--
AX 69-S-9	201	33	1	0.1	80	--	--
AX 69-S-10A	201	52	1	0.1	130	--	--
AX 69-S-10B	201	48	1	0.1	430	--	--
AX 69-S-10.3	201	35	1	0.1	140	--	--

Certified by Hart Richter....

CTA MEMBER CANADIAN TESTING ASSOCIATION

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B C
CANADA V7J 2C1
TELEPHONE (604)984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : MORTON, MR. BILL
BOX 4438
WILLIAMS LAKE, B.C.

CERT. # : A8112419-006-A
INVOICE # : I8112419
DATE : 09-AUG-81
P.O. # : NONE
ALEXIS JOINT VENTURE

Sample description	Prep code	Cu ppm	Mo ppm	Ag ppm	Hg ppb	AU-FA+AA ppb	
AX 69-S-11	201	48	1	0.1	150	--	--
AX 69-S-12	201	36	1	0.1	60	--	--
AX 69-S-13	201	47	1	0.1	90	--	--
AX 69-S-14	201	38	1	0.1	70	--	--
AX 69-2	201	111	1	0.1	>10000	20	--
AX 69-3	203	58	1	0.1	2300	10	--
AX 69-4	201	73	1	0.1	1000	15	--
AX 69-5	201	53	1	0.1	8300	15	--
AX 69-6	203	27	1	0.1	1400	15	--
AX 69-SLT-1	201	48	1	0.1	--	10	--

Certified by Hart Bichler....

CHEMEX LABS LTD.

212 BROOKSBANK AVE
NORTH VANCOUVER, B C
CANADA V7J 2C1
TELEPHONE: (604)984-0221
TELEX 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : MORTON, MR. BILL
BOX 4438
WILLIAMS LAKE, B.C.

CERT. # : A8115733-001-A
INVOICE # : I8115733
DATE : 11-JAN-82
P.O. # : NONE
ALEXIS JOINT VENTURE

Sample description	Prep code	AS ppm					
AX 2-S-1	214	61	--	--	--	--	--
AX 2-S-2	214	36	--	--	--	--	--
AX 2-S-3	214	32	--	--	--	--	--
AX 2-S-4	214	25	--	--	--	--	--
AX 2-S-5	214	30	--	--	--	--	--
AX 2-S-6	214	24	--	--	--	--	--
AX 2-S-7	214	30	--	--	--	--	--
AX 2-S-8	214	32	--	--	--	--	--
AX 2-S-9	214	45	--	--	--	--	--
AX 2-S-9.7	214	53	--	--	--	--	--
AX 2-S-10	214	38	--	--	--	--	--
AX 2-S-11	214	33	--	--	--	--	--
AX 2-S-12	214	39	--	--	--	--	--
AX 2-SLT-A	214	33	--	--	--	--	--
AX 2-SLT-B	214	51	--	--	--	--	--
AX 2-SLT-1	214	43	--	--	--	--	--
AX 2-SLT-2	214	41	--	--	--	--	--
AX 2-SLT-3	214	43	--	--	--	--	--
AX 2-SLT-4	214	45	--	--	--	--	--
AX 2-SLT-5	214	51	--	--	--	--	--
AX 2-SLT-6	214	35	--	--	--	--	--
AX 2-SLT-7	214	45	--	--	--	--	--
AXT-S-1	214	39	--	--	--	--	--
AXT-S-2	214	48	--	--	--	--	--
AXT-S-3	214	83	--	--	--	--	--
AXT-S-4	214	4	--	--	--	--	--
AXT-S-5	214	36	--	--	--	--	--
AXT-S-6	214	22	--	--	--	--	--
AXT-S-7	214	81	--	--	--	--	--
AX3-S-1	214	15	--	--	--	--	--
AX3-S-2	214	22	--	--	--	--	--
AX3-S-3	214	10	--	--	--	--	--
AX3-S-4	214	10	--	--	--	--	--
AX3-S-5	214	12	--	--	--	--	--
AX3-S-6	214	17	--	--	--	--	--
AX3-S-7	214	39	--	--	--	--	--
AX3-S-8	214	30	--	--	--	--	--
AX4-S-1	214	41	--	--	--	--	--
AX4-S-2	214	39	--	--	--	--	--
AX4-S-3	214	33	--	--	--	--	--

Certified by Hartt Bichler

CTA MEMBER CANADIAN TESTING ASSOCIATION

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B C.
CANADA V7J 2C1

TELEPHONE (604)984-0221
TELEX 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : MORTON, MR. BILL
BOX 4438
WILLIAMS LAKE, B.C.

CERT. # : A8115733-002-A
INVOICE # : I8115733
DATE : 11-JAN-82
P.O. # : NONE
ALEXIS JOINT VENTURE

Sample description	Prep code	AS ppm					
AX4-S-4	214	36	--	--	--	--	--
AX4-S-5	214	45	--	--	--	--	--
AX4-S-6	214	29	--	--	--	--	--
AX4-S-7	214	24	--	--	--	--	--
AX5-S-1	214	10	--	--	--	--	--
AX5-S-2	214	9	--	--	--	--	--
AX5-S-3	214	6	--	--	--	--	--
AX5-S-4	214	11	--	--	--	--	--
AX5-S-5	214	9	--	--	--	--	--
AX5-S-6	214	9	--	--	--	--	--
AX5-S-7	214	11	--	--	--	--	--
AX5-S-8	214	12	--	--	--	--	--
AXC-S-1	214	27	--	--	--	--	--
AXC-S-2	214	15	--	--	--	--	--
AXC-S-3	214	22	--	--	--	--	--
AXC-S-4	214	29	--	--	--	--	--
AXC-S-5	214	115	--	--	--	--	--
AXC-S-6	214	48	--	--	--	--	--
AXC-S-7	214	335	--	--	--	--	--
AXC-S-8	214	225	--	--	--	--	--
AXC-S-9	214	50	--	--	--	--	--
AXC-S-10	214	250	--	--	--	--	--
AXC-S-11	214	225	--	--	--	--	--
AXC-S-12	214	>1000	--	--	--	--	--
AXC-S-13	214	94	--	--	--	--	--
AXC-S-14	214	55	--	--	--	--	--
AXC-S-15	214	135	--	--	--	--	--
AXC-S-16	214	46	--	--	--	--	--
AXC-S-17	214	81	--	--	--	--	--
AXC-S-18	214	135	--	--	--	--	--
AXC-S-19	214	69	--	--	--	--	--
AXC-S-20	214	61	--	--	--	--	--
AXC-S-21	214	63	--	--	--	--	--
AXC-S-22	214	63	--	--	--	--	--
AXC-S-23	214	75	--	--	--	--	--
AXC-S-24	214	115	--	--	--	--	--
AXC-S-25	214	59	--	--	--	--	--
AXC-S-26	214	53	--	--	--	--	--
AXC-S-27	214	61	--	--	--	--	--
AXC-S-28	214	61	--	--	--	--	--

Certified by Hart Bichler

CTA MEMBER CANADIAN TESTING ASSOCIATION

CHEMEX LABS LTD.

212 BROOKSBANK AVE
NORTH VANCOUVER, B C.
CANADA V7J 2C1
TELEPHONE (604)984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : MORTON, MR. BILL
BOX 4438
WILLIAMS LAKE, B.C.

CERT. # : A8115733-003-A
INVOICE # : I8115733
DATE : 11-JAN-82
P.O. # : NONE
ALEXIS JOINT VENTURE

Sample description	Prep code	AS ppm					
AXC-S-29	214	57	--	--	--	--	--
AXC-S-30	214	83	--	--	--	--	--
AXC-S-31	214	110	--	--	--	--	--
AXC-S-32	214	88	--	--	--	--	--
AXC-S-33	214	65	--	--	--	--	--
AXC-S-34	214	94	--	--	--	--	--
AX 63-S-1	214	41	--	--	--	--	--
AX 63-S-2	214	25	--	--	--	--	--
AX 63-S-3	214	35	--	--	--	--	--
AX 63-S-4	214	29	--	--	--	--	--
AX 63-S-5	214	29	--	--	--	--	--
AX 63-S-6	214	25	--	--	--	--	--
AX 63-S-7	214	33	--	--	--	--	--
AX 63-S-8	214	33	--	--	--	--	--
AX 63-S-9	214	24	--	--	--	--	--
AX 63-S-10	214	24	--	--	--	--	--
AX 63-S-11	214	24	--	--	--	--	--
AX 63-S-12	214	27	--	--	--	--	--
AX 63-S-13	214	19	--	--	--	--	--
AX 63-S-14	214	17	--	--	--	--	--
AX 63-S-15	214	22	--	--	--	--	--
AX 63-S-16	214	16	--	--	--	--	--
AX 63-S-17	214	17	--	--	--	--	--
AX 63-S-18	214	22	--	--	--	--	--
AX 65-S-1	214	85	--	--	--	--	--
AX 65-S-2	214	67	--	--	--	--	--
AX 65-S-3	214	41	--	--	--	--	--
AX 65-S-4	214	36	--	--	--	--	--
AX 65-S-5	214	25	--	--	--	--	--
AX 65-S-6	214	36	--	--	--	--	--
AX 65-S-7	214	30	--	--	--	--	--
AX 65-S-8	214	39	--	--	--	--	--
AX 65-S-9	214	61	--	--	--	--	--
AX 65-S-10	214	46	--	--	--	--	--
AX 65-S-11	214	45	--	--	--	--	--
AX 65-S-12	214	22	--	--	--	--	--
AX 65-S-13	214	38	--	--	--	--	--
AX 65-S-14	214	22	--	--	--	--	--
AX 65-S-15	214	19	--	--	--	--	--
AX 65-S-16	214	10	--	--	--	--	--

Certified by Hart Bichler

CTA MEMBER CANADIAN TESTING ASSOCIATION

CHEMEX LABS LTD.

212 BROOKSBANK AVE
NORTH VANCOUVER, B.C
CANADA V7J 2C1
TELEPHONE (604)984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : MORTON, MR. BILL
BOX 4438
WILLIAMS LAKE, B.C.

CERT. # : A8115733-004-A
INVOICE # : I8115733
DATE : 11-JAN-82
P.O. # : NONE
ALEXIS JOINT VENTURE

Sample description	Prep code	AS ppm					
AX 65-S-17	214	17	--	--	--	--	--
AX 65-S-18	214	15	--	--	--	--	--
AX 65-S-19	214	23	--	--	--	--	--
AX 66-S-1	214	48	--	--	--	--	--
AX 66-S-2	214	46	--	--	--	--	--
AX 66-S-3	214	53	--	--	--	--	--
AX 66-S-4	214	36	--	--	--	--	--
AX 66-S-5	214	33	--	--	--	--	--
AX 66-S-6	214	29	--	--	--	--	--
AX 66-S-7	214	32	--	--	--	--	--
AX 66-S-8	214	53	--	--	--	--	--
AX 66-S-9	214	63	--	--	--	--	--
AX 66-S-10	214	71	--	--	--	--	--
AX 66-S-11	214	45	--	--	--	--	--
AX 66-S-12	214	25	--	--	--	--	--
AX 66-S-13	214	65	--	--	--	--	--
AX 66-S-14	214	27	--	--	--	--	--
AX 66-S-15	214	30	--	--	--	--	--
AX 66-S-16	214	43	--	--	--	--	--
AX 66-S-17	214	20	--	--	--	--	--
AX 66-S-18	214	15	--	--	--	--	--
AX 66-S-19	214	17	--	--	--	--	--
AX 67-S-1	214	29	--	--	--	--	--
AX 67-S-2	214	59	--	--	--	--	--
AX 67-S-3	214	63	--	--	--	--	--
AX 67-S-4	214	48	--	--	--	--	--
AX 67-S-5	214	27	--	--	--	--	--
AX 67-S-6	214	30	--	--	--	--	--
AX 67-S-7	214	25	--	--	--	--	--
AX 67-S-8	214	51	--	--	--	--	--
AX 67-S-9	214	51	--	--	--	--	--
AX 67-S-11	214	51	--	--	--	--	--
AX 67-S-12	214	61	--	--	--	--	--
AX 67-S-13	214	25	--	--	--	--	--
AX 67-S-14	214	30	--	--	--	--	--
AX 67-S-15	214	39	--	--	--	--	--
AX 67-S-16	214	38	--	--	--	--	--
AX 67-S-17	214	17	--	--	--	--	--
AX 67-S-18	214	17	--	--	--	--	--
AX 68-S-1	214	50	--	--	--	--	--

Certified by Hart Bichler

CTA MEMBER CANADIAN TESTING ASSOCIATION

CHEMEX LABS LTD.

212 BROOKSBANK AVE
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE (604)984-0221
TELEX 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : MORTON, MR. BILL
BOX 4428
WILLIAMS LAKE, B.C.

CERT. # : A8115733-005-A
INVOICE # : I8115733
DATE : 11-JAN-82
P.O. # : NONE
ALEXIS JOINT VENTURE

Sample description	Prep code	AS ppm					
AX 68-S-2	214	51	--	--	--	--	--
AX 68-S-3	214	107	--	--	--	--	--
AX 68-S-4	214	65	--	--	--	--	--
AX 68-S-5	214	33	--	--	--	--	--
AX 68-S-6	214	27	--	--	--	--	--
AX 68-S-7	214	35	--	--	--	--	--
AX 68-S-8	214	43	--	--	--	--	--
AX 68-S-9	214	29	--	--	--	--	--
AX 68-S-10	214	38	--	--	--	--	--
AX 68-S-11	214	46	--	--	--	--	--
AX 68-S-12	214	22	--	--	--	--	--
AX 68-S-13	214	29	--	--	--	--	--
AX 68-S-14	214	17	--	--	--	--	--
AX 68-1.0	214	53	--	--	--	--	--
AX 68-1.5	214	N.S.S.	--	--	--	--	--
AX 68-2.0	214	N.S.S.	--	--	--	--	--
AX 68-2.5	214	71	--	--	--	--	--
AX 68-3.0	214	355	--	--	--	--	--
AX 68-3.5	214	99	--	--	--	--	--
AX 68-4.0	214	73	--	--	--	--	--
AX 68-5.0	214	55	--	--	--	--	--
AX 68-5.5	214	85	--	--	--	--	--
AX 68-6.0	214	71	--	--	--	--	--
AX 68-6.5	214	120	--	--	--	--	--
AX 68-7.0	214	115	--	--	--	--	--
AX 68-7.5	214	59	--	--	--	--	--
AX 69-S-1	214	N.S.S.	--	--	--	--	--
AX 69-S-2	214	78	--	--	--	--	--
AX 69-S-2.6	214	53	--	--	--	--	--
AX 69-S-3	214	51	--	--	--	--	--
AX 69-S-4	214	115	--	--	--	--	--
AX 69-S-5	214	22	--	--	--	--	--
AX 69-S-6	214	48	--	--	--	--	--
AX 69-S-7	214	30	--	--	--	--	--
AX 69-S-8	214	39	--	--	--	--	--
AX 69-S-8.4	214	103	--	--	--	--	--
AX 69-S-9	214	25	--	--	--	--	--
AX 69-S-10A	214	45	--	--	--	--	--
AX 69-S-10B	214	59	--	--	--	--	--
AX 69-S-10.3	214	6	--	--	--	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by Hartt Bichler

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C
CANADA V7J 2C1
TELEPHONE (604)984-0221
TELEX. 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : MORTON, MR. BILL
BOX 4438
WILLIAMS LAKE, B.C.

CERT. # : A8115733-006-A
INVOICE # : I8115733
DATE : 11-JAN-82
P.O. # : NONE
ALEXIS JOINT VENTURE

Sample description	Prep code	AS ppm						
AX 69-S-11	214	24	--	--	--	--	--	
AX 69-S-12	214	12	--	--	--	--	--	
AX 69-S-13	214	15	--	--	--	--	--	
AX 69-S-14	214	27	--	--	--	--	--	
AX 69-2	214	23	--	--	--	--	--	
AX 69-3	214	85	--	--	--	--	--	
AX 69-4	214	55	--	--	--	--	--	
AX 69-5	214	92	--	--	--	--	--	
AX 69-6	214	180	--	--	--	--	--	
AX 69-SLT-1	214	53	--	--	--	--	--	

Certified by Hart Bichler

CTA MEMBER CANADIAN TESTING ASSOCIATION

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C
CANADA V7J 2C1
TELEPHONE (604)984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : MORTON, MR. BILL
BOX 4438
WILLIAMS LAKE, B.C.

CERT. # : A8115734-001-A
INVOICE # : I8115734
DATE : 11-JAN-82
P.O. # : NONE
ALEXIS JOINT VENTURE

Sample description	Prep code	AS ppm					
AX64-S-01	214	57	--	--	--	--	--
AX64-S-02	214	48	--	--	--	--	--
AX64-S-03	214	38	--	--	--	--	--
AX64-S-04	214	30	--	--	--	--	--
AX64-S-05	214	32	--	--	--	--	--
AX64-S-06	214	39	--	--	--	--	--
AX64-S-07	214	35	--	--	--	--	--
AX64-S-08	214	32	--	--	--	--	--
AX64-S-09	214	35	--	--	--	--	--
AX64-S-10	214	33	--	--	--	--	--
AX64-S-11	214	25	--	--	--	--	--
AX64-S-12	214	16	--	--	--	--	--
AX64-S-13	214	16	--	--	--	--	--
AX64-S-14	214	17	--	--	--	--	--
AX64-S-15	214	17	--	--	--	--	--
AX64-S-16	214	11	--	--	--	--	--
AX64-S-17	214	27	--	--	--	--	--
AX64-S-18	214	24	--	--	--	--	--
AX67-S-10	214	81	--	--	--	--	--
AX68-4.5	214	48	--	--	--	--	--

Arsenic.

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by Hart Richler

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B C
CANADA V7J 2C1
TELEPHONE: (604)984-0221
TELEX 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TC : MORTON, MR. BILL
BOX 4438
WILLIAMS LAKE, B.C.

CERT. # : A8112864-004-A
INVOICE # : I8112864
DATE : 25-AUG-81
P.O. # : NONE
ALEXIS JOINT VEN.

Sample description	Prep code	AU-FA+AA ppb					
AX 66-S-7	214	5	--	--	--	--	--
AX 66-S-8	214	10	--	--	--	--	--
AX 66-S-9	214	5	--	--	--	--	--
AX 66-S-10	214	5	--	--	--	--	--
AX 66-S-11	214	5	--	--	--	--	--
AX 66-S-12	214	<5	--	--	--	--	--
AX 66-S-13	214	<5	--	--	--	--	--
AX 66-S-14	214	<5	--	--	--	--	--
AX 66-S-15	214	<5	--	--	--	--	--
AX 66-S-16	214	<5	--	--	--	--	--
AX 66-S-17	214	5	--	--	--	--	--
AX 66-S-18	214	<5	--	--	--	--	--
AX 66-S-19	214	5	--	--	--	--	--
AX 67-S-1	214	5	--	--	--	--	--
AX 67-S-2	214	10	--	--	--	--	--
AX 67-S-3	214	<5	--	--	--	--	--
AX 67-S-4	214	<5	--	--	--	--	--
AX 67-S-5	214	5	--	--	--	--	--
AX 67-S-6	214	10	--	--	--	--	--
AX 67-S-7	214	<5	--	--	--	--	--
AX 67-S-8	214	<5	--	--	--	--	--
AX 67-S-9	214	<5	--	--	--	--	--
AX 67-S-11	214	10	--	--	--	--	--
AX 67-S-12	214	10	--	--	--	--	--
AX 67-S-13	214	5	--	--	--	--	--
AX 67-S-14	214	<5	--	--	--	--	--
AX 67-S-15	214	5	--	--	--	--	--
AX 67-S-16	214	5	--	--	--	--	--
AX 67-S-17	214	<5	--	--	--	--	--
AX 67-S-18	214	<5	--	--	--	--	--
AX 68-S-1	214	5	--	--	--	--	--
AX 68-S-2	214	5	--	--	--	--	--
AX 68-S-3	214	5	--	--	--	--	--
AX 68-S-4	214	5	--	--	--	--	--
AX 68-S-5	214	10	--	--	--	--	--
AX 68-S-6	214	5	--	--	--	--	--
AX 68-S-7	214	10	--	--	--	--	--
AX 68-S-8	214	5	--	--	--	--	--
AX 68-S-9	214	<5	--	--	--	--	--
AX 68-S-10	214	5	--	--	--	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by Hank Biddle

CHEMEX LABS LTD.

212 BROOKSBANK AVE
NORTH VANCOUVER, B.C
CANADA V7J 2C1
TELEPHONE (604)984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : MORTON, MR. BILL
BOX 4438
WILLIAMS LAKE, B.C.

CERT. # : A8112864-005-A
INVOICE # : I8112864
DATE : 25-AUG-81
P.O. # : NONE
ALEXIS JOINT VEN.

Sample description	Prep code	AU-FA+AA ppb					
AX 68-S-11	214	10	--	--	--	--	--
AX 68-S-12	214	10	--	--	--	--	--
AX 68-S-13	214	<5	--	--	--	--	--
AX 68-S-14	214	10	--	--	--	--	--
AX 69-S-1	214	5	--	--	--	--	--
AX 69-S-2	214	N.S.S.	--	--	--	--	--
AX 69-S-2.6	214	15	--	--	--	--	--
AX 69-S-3	214	10	--	--	--	--	--
AX 69-S-4	214	10	--	--	--	--	--
AX 69-S-5	214	10	--	--	--	--	--
AX 69-S-6	214	<5	--	--	--	--	--
AX 69-S-7	214	<5	--	--	--	--	--
AX 69-S-8	214	<5	--	--	--	--	--
AX 69-S-8.4	214	<5	--	--	--	--	--
AX 69-S-9	214	<5	--	--	--	--	--
AX 69-S-10 A	214	35	--	--	--	--	--
AX 69-S-10 B	214	5	--	--	--	--	--
AX 69-S-10.3	214	5	--	--	--	--	--
AX 69-S-11	214	<5	--	--	--	--	--
AX 69-S-12	214	<5	--	--	--	--	--
AX 69-S-13	214	5	--	--	--	--	--
AX 69-S-14	214	5	--	--	--	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by Hank Ridle

CHEMEX LABS LTD.

212 BROOKSBANK AVE
NORTH VANCOUVER, B C.
CANADA V7J 2C1
TELEPHONE (604)984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : MORTON, MR. BILL
BOX 4438
WILLIAMS LAKE, B.C.

CERT. # : A8112864-003-A
INVOICE # : I8112864
DATE : 25-AUG-81
P.O. # : NONE
ALEXIS JOINT VEN.

Sample description	Prep code	AU-FA+AA ppb					
AX 63-S-4	214	5	--	--	--	--	--
AX 63-S-5	214	10	--	--	--	--	--
AX 63-S-6	214	10	--	--	--	--	--
AX 63-S-7	214	10	--	--	--	--	--
AX 63-S-8	214	10	--	--	--	--	--
AX 63-S-9	214	<5	--	--	--	--	--
AX 63-S-10	214	<5	--	--	--	--	--
AX 63-S-11	214	<5	--	--	--	--	--
AX 63-S-12	214	10	--	--	--	--	--
AX 63-S-13	214	10	--	--	--	--	--
AX 63-S-14	214	<5	--	--	--	--	--
AX 63-S-15	214	5	--	--	--	--	--
AX 63-S-16	214	10	--	--	--	--	--
AX 63-S-17	214	<5	--	--	--	--	--
AX 63-S-18	214	<5	--	--	--	--	--
AX 65-S-1	214	5	--	--	--	--	--
AX 65-S-2	214	10	--	--	--	--	--
AX 65-S-3	214	15	--	--	--	--	--
AX 65-S-4	214	10	--	--	--	--	--
AX 65-S-5	214	10	--	--	--	--	--
AX 65-S-6	214	<5	--	--	--	--	--
AX 65-S-7	214	20	--	--	--	--	--
AX 65-S-8	214	<10	--	--	--	--	--
AX 65-S-9	214	5	--	--	--	--	--
AX 65-S-10	214	<5	--	--	--	--	--
AX 65-S-11	214	5	--	--	--	--	--
AX 65-S-12	214	10	--	--	--	--	--
AX 65-S-13	214	10	--	--	--	--	--
AX 65-S-14	214	5	--	--	--	--	--
AX 65-S-15	214	5	--	--	--	--	--
AX 65-S-16	214	5	--	--	--	--	--
AX 65-S-17	214	5	--	--	--	--	--
AX 65-S-18	214	<5	--	--	--	--	--
AX 65-S-19	214	<5	--	--	--	--	--
AX 66-S-1	214	5	--	--	--	--	--
AX 66-S-2	214	5	--	--	--	--	--
AX 66-S-3	214	5	--	--	--	--	--
AX 66-S-4	214	5	--	--	--	--	--
AX 66-S-5	214	<5	--	--	--	--	--
AX 66-S-6	214	5	--	--	--	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by Hank Biddle

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE (604)984-0221
TELEX 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

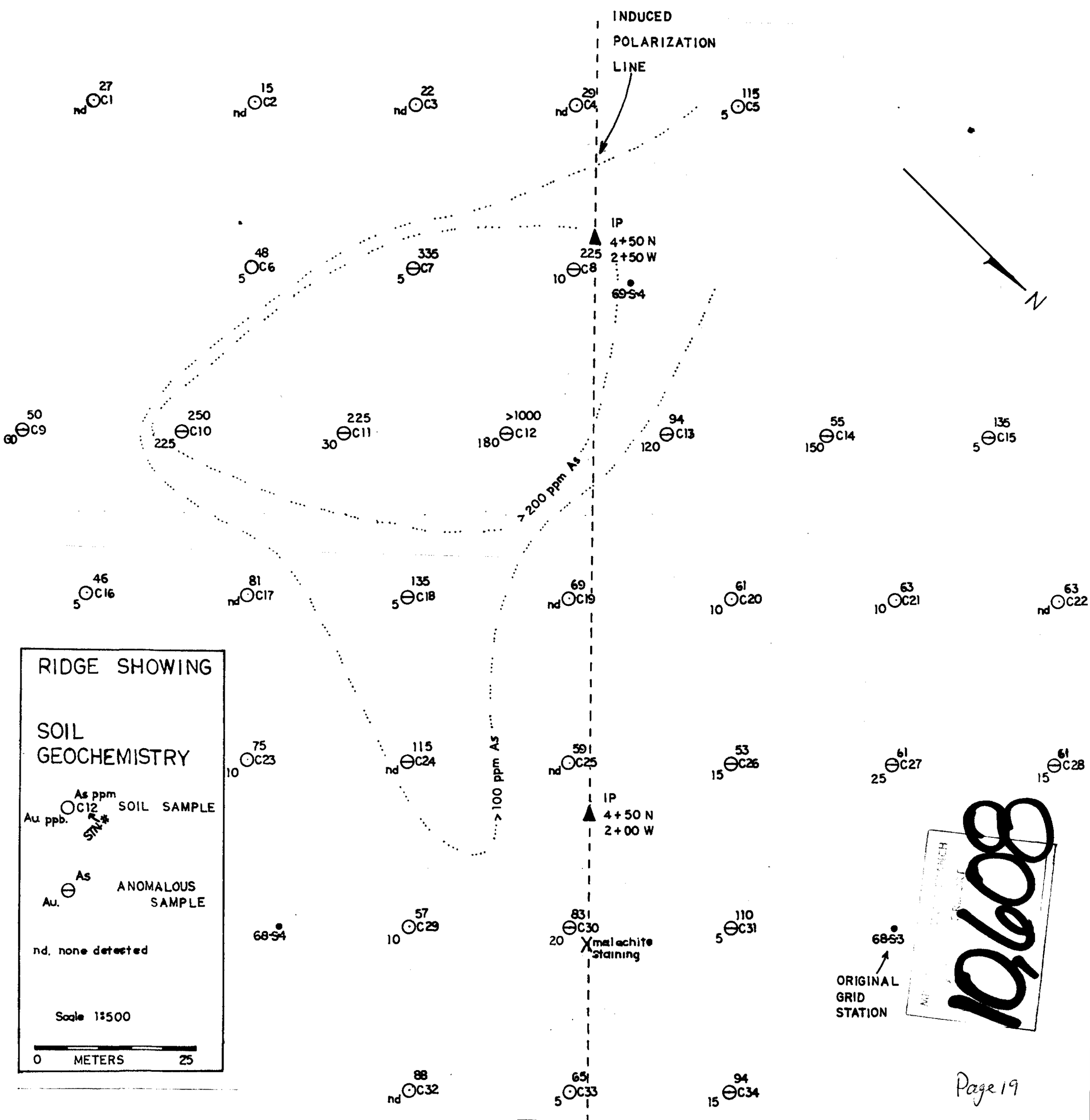
TO : MORTON, MR. BILL
BOX 4438
WILLIAMS LAKE, B.C.

CERT. # : A8112864-002-A
INVOICE # : I8112864
DATE : 25-AUG-81
P.O. # : NONE
ALEXIS JOINT VEN.

Sample description	Prep code	AL-FA+AA ppb					
AX5-S-6	214	5	--	--	--	--	--
AX5-S-7	214	5	--	--	--	--	--
AX5-S-8	214	<5	--	--	--	--	--
AXC-S-1	214	<5	--	--	--	--	--
AXC-S-2	214	<5	--	--	--	--	--
AXC-S-3	214	<5	--	--	--	--	--
AXC-S-4	214	<5	--	--	--	--	--
AXC-S-5	214	5	--	--	--	--	--
AXC-S-6	214	5	--	--	--	--	--
AXC-S-7	214	5	--	--	--	--	--
AXC-S-8	214	10	--	--	--	--	--
AXC-S-9	214	60	--	--	--	--	--
AXC-S-10	214	225	--	--	--	--	--
AXC-S-11	214	30	--	--	--	--	--
AXC-S-12	214	180	--	--	--	--	--
AXC-S-13	214	120	--	--	--	--	--
AXC-S-14	214	150	--	--	--	--	--
AXC-S-15	214	5	--	--	--	--	--
AXC-S-16	214	5	--	--	--	--	--
AXC-S-17	214	<5	--	--	--	--	--
AXC-S-18	214	5	--	--	--	--	--
AXC-S-19	214	<5	--	--	--	--	--
AXC-S-20	214	10	--	--	--	--	--
AXC-S-21	214	10	--	--	--	--	--
AXC-S-22	214	<5	--	--	--	--	--
AXC-S-23	214	10	--	--	--	--	--
AXC-S-24	214	<5	--	--	--	--	--
AXC-S-25	214	<5	--	--	--	--	--
AXC-S-26	214	15	--	--	--	--	--
AXC-S-27	214	25	--	--	--	--	--
AXC-S-28	214	15	--	--	--	--	--
AXC-S-29	214	10	--	--	--	--	--
AXC-S-30	214	20	--	--	--	--	--
AXC-S-31	214	5	--	--	--	--	--
AXC-S-32	214	<5	--	--	--	--	--
AXC-S-33	214	5	--	--	--	--	--
AXC-S-34	214	15	--	--	--	--	--
AX 63-S-1	214	5	--	--	--	--	--
AX 63-S-2	214	5	--	--	--	--	--
AX 63-S-3	214	<5	--	--	--	--	--

Certified by Hart Biddle

CTA MEMBER CANADIAN TESTING ASSOCIATION



RIDGE SHOWING

SOIL GEOCHEMISTRY

As ppm
C12 SOIL SAMPLE
Au. ppb.
STN.*

As
Au. ANOMALOUS SAMPLE

nd. none detected

Scale 1:500

0 METERS 25

10608

ALEXIS PROSPECT

O Soil Sample
Hg p.p.b
Cu p.p.m
Au p.p.b

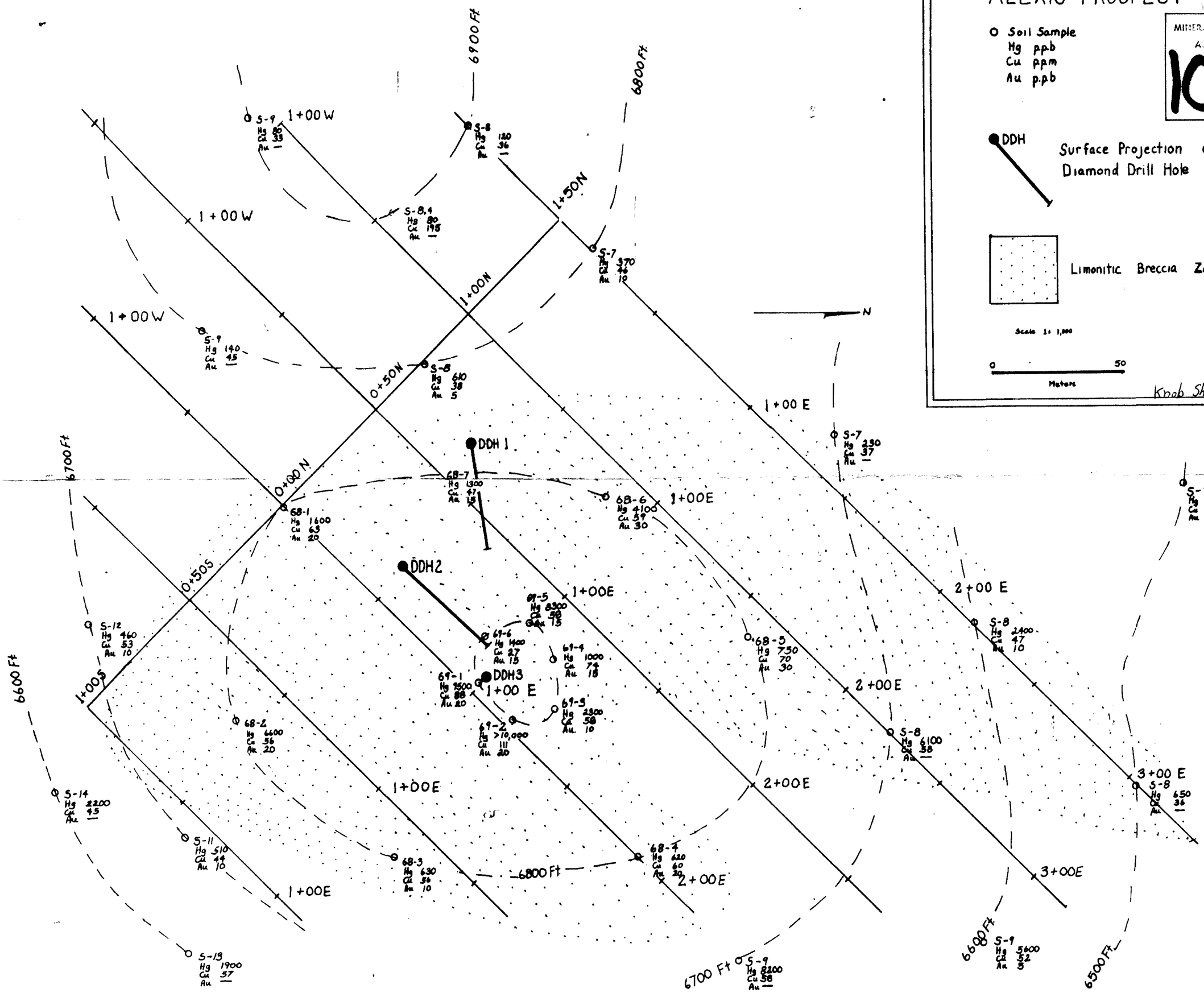
DDH — Surface Projection of Diamond Drill Hole

Limonitic Breccia Zone

Scale 1: 1,000

0 50
Meters

Knob Showing



ALEXIS PROSPECT

MERCURY COPPER

Cu PPM ⊖ Hg PPB GEOCHEMICAL SOIL

⊖ ← ANOMALOUS SAMPLE

SCALE 1:2,000

0 metres 100

N

ALEXIS PROSPECT

GOLD ARSENIC

GEOCHEMICAL SOILS

ANOMALOUS SAMPLE

N