

84-#240-12158

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

12,158

4

W O L F C L A I M S

GEOCHEMISTRY

1983

March, 1984

C.D. Spence

OMINECA MINING DIVISION

N.T.S.:

93F/3W

LATITUDE:

53°12.5'W

LONGITUDE:

125°28'W

OWNER AND OPERATOR:

RIOCANEX INC.

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GC 8019	Grid Locations	Pocket
GC 8021	Grid 1 - Ag, Au in rock and soil	Pocket
GC 8020	Grid 2 - Ag, Au in rock and soil	Pocket
GC 7633	Grid 3 - Ag, Au in rock and soil	Pocket
GC 8027	Grid 1 - As, Mo and Zn in soil	Pocket
GC 8028	Grid 2 - As, Mo and Zn in soil	Pocket
GC 7638	Grid 3 - As, Mo and Zn in soil	Pocket

1. INTRODUCTION

1.1 General

This report describes the results of soil and rock geochemical sampling conducted on the Wolf, Wolf 2 and Wolf 3 claims during the period of September 14 to September 22, 1983. Personnel and costs for the program are detailed in Appendix A.

1.2 Location and Access

The claims are located in central British Columbia 115 km south-southeast of Burns Lake, between Entiako Lake and Johnny Lake (NTS: 93F/3W).

Physiographically the claims are located in the Nechako Plateau in an area of hilly topography. Elevations on the property vary between 1020 m and 1220 m.

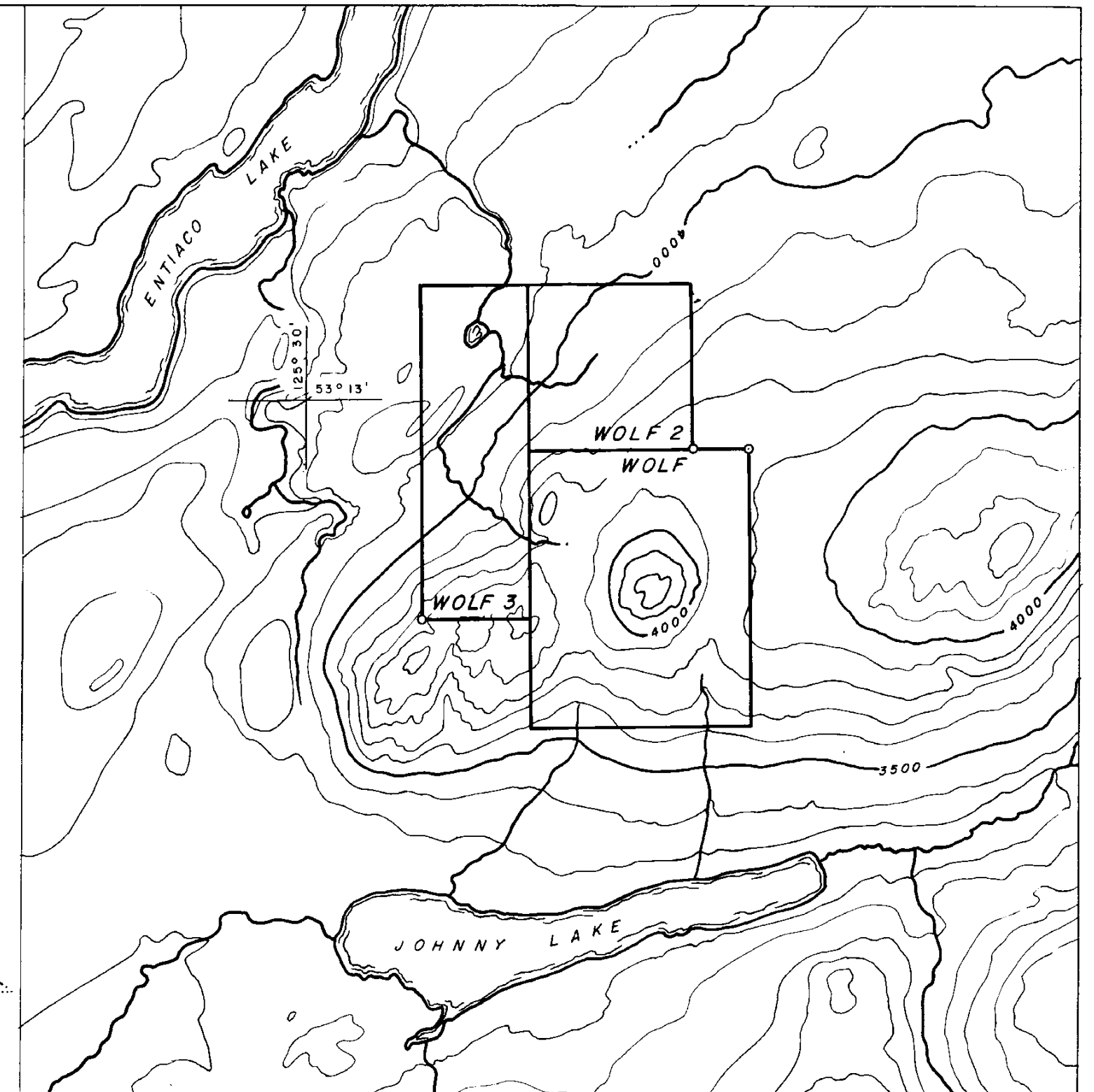
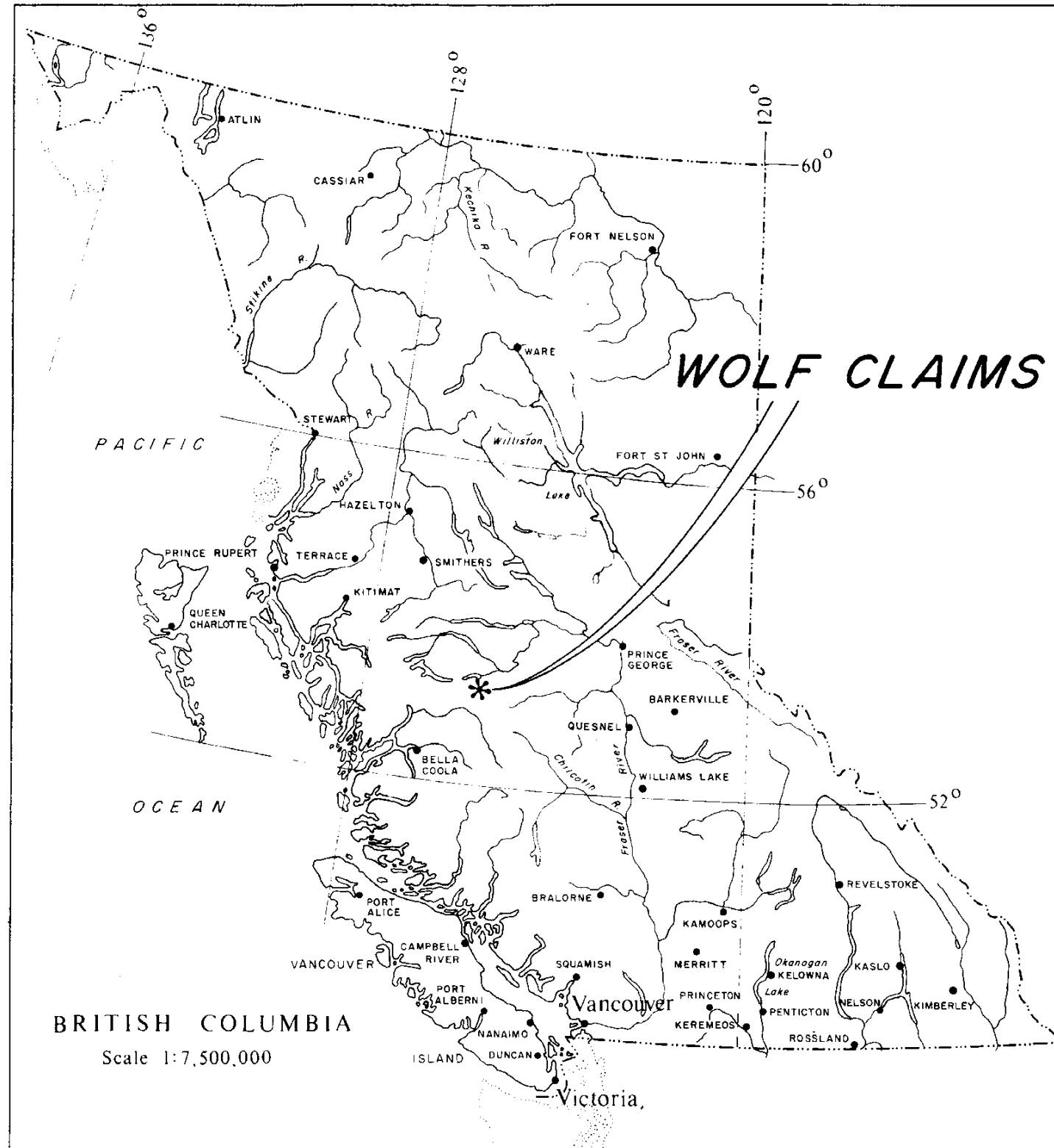
Access to the property is via float plane from Burns Lake to one of several nearby lakes with final access by helicopter. Alternatively, the closest road access is the Kluskus logging road from Vanderhoof which passes approximately 18 km southeast of the property.

The Capoose silver deposit (Granges-Cominco) is located 22 km east-northeast of Wolf on Fawnie Nose.

1.3 Claim Status

The Wolf property consists of three claims totalling 41 units. Claims and claim data are tabulated below.

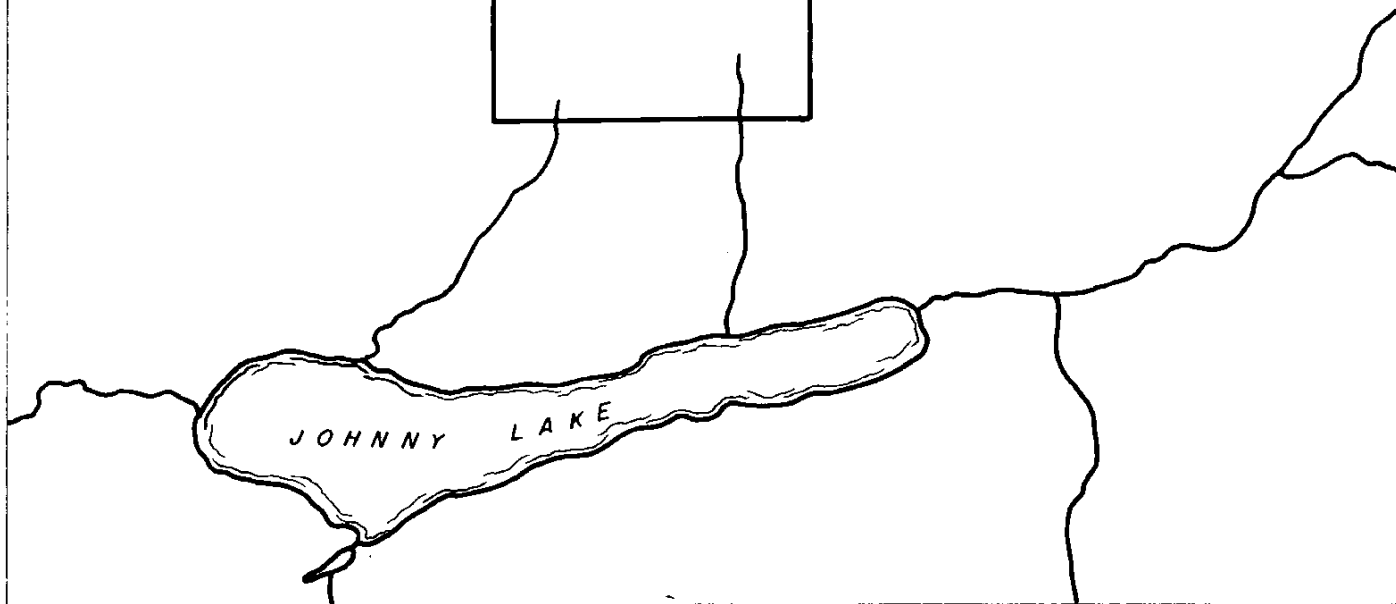
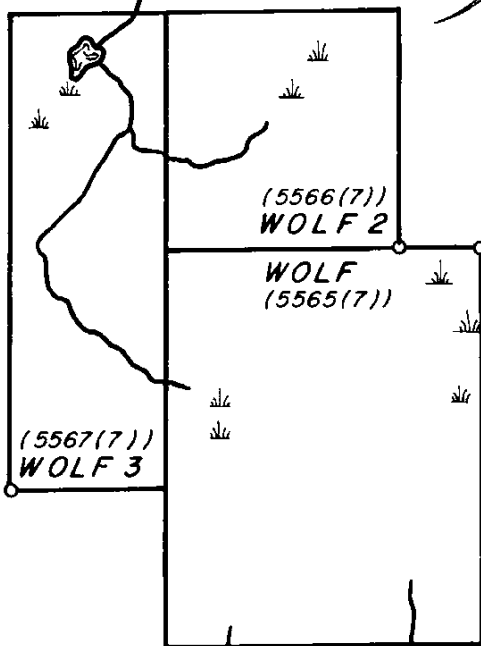
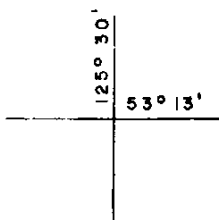
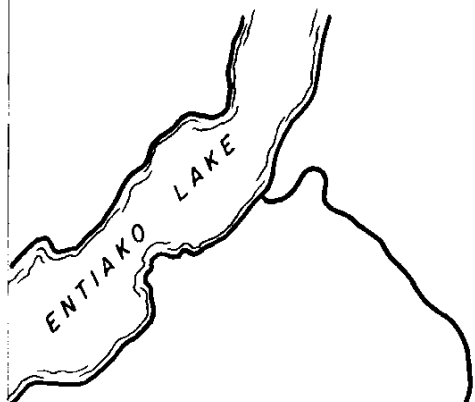
<u>CLAIM</u>	<u>UNITS</u>	<u>RECORD NO.</u>	<u>STAKED</u>	<u>RECORDED</u>
Wolf	20	5565	13 Jul/83	18 Jul/83
Wolf 2	9	5566	15 Jul/83	18 Jul/83
Wolf 3	12	5567	14 Jul/83	18 Jul/83



NTS 93 F/3
SCALE 1:50,000

RIO TINTO CANADIAN EXPLORATION LTD.		
WOLF CLAIMS		
LOCATION MAP		
DATE SEPT. 1983	DRAWN BY /dag	DWG. L 6776

CLAIM GROUP



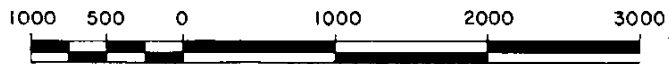
RIO TINTO CANADIAN EXPLORATION LTD.

WOLF CLAIMS

CLAIM MAP

NTS 93 F/3

SCALE: 1:50,000



DATE

SEPT. 1983

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DWG.

C 6777

1.4 History

Early exploration in this area was hindered by remoteness and by extensive overburden, however, logging activity has opened much of the area in recent years.

No mineral exploration is believed to have been conducted in the immediate vicinity prior to Rio conducting a regional lake sampling program through the area in 1970, however, no lakes were sampled near Wolf. In 1982 Rio conducted another lake sediment survey and sediment from the lake on the Wolf claim was found to be anomalous in Ag (2.1ppm), Zn, As and Mo. Subsequent follow-up resulted in the Wolf claims being staked.

2. GEOLOGY

2.1 Regional Geology

Geology of this area has most recently been described by Tipper in GSC Memoir 324. Oldest rocks in the vicinity of the Wolf claims are described by Tipper as Takla Group volcanic rocks. However, on GSC Map 1424A these rocks have been reclassified as Lower Jurassic Hazelton Group. To the east, this unit is overlain by Middle Jurassic Hazelton Group andesitic flows, breccias and sediments. This unit hosts the Capoose silver deposit. Cretaceous or Tertiary granitic plutons are common within the Hazelton Group.

The Wolf claims are located in a 10 km by 40 km northeast trending belt of Lower Tertiary Ootsa Lake Group volcanics. The rocks in this belt are described as subaerial rhyolite to dacite flows and volcanoclastics with minor andesite, basalt and conglomerate. A lower andesitic unit of the Ootsa Lake Group, has been described but does not outcrop in the vicinity of the Wolf claims.

2.2 Local Geology

No formal geological mapping was undertaken, therefore, rock descriptions are based on examination of 185 rock samples collected for routine geochemical analysis.

Rock units on the claims are part of a felsic volcanic to subvolcanic package belonging to the Ootsa Lake Group. Units 1a and 1b appear to be subvolcanic in origin. 1a is a rhyolite porphyry, generally tan in colour, with large orthoclase phenocrysts up to 1cm in length in an aphanitic groundmass. Quartz phenocrysts, from 0.5 to 1mm in diameter form 3% of the rock. Unit 1b is a distinctive, homogeneous, maroon unit, crowded with

2.2 Local Geology (continued)

1-2mm stubby orthoclase crystals and 1-2mm angular quartz grains. Units 1c to 1e are massive to flow-banded rhyolite ash tuffs and minor lithic tuffs. In part, unit 1c appears to be a porphyritic, flow-banded, rhyolite plug.

No structure has been described on the property. All the above units have been subjected locally to varying degrees of silicification and/or argillization. Alteration zones generally form discrete north-northeast trending zones from 10 m to 50 m wide. Silicification varies from microveinlets of quartz, through a quartz stockwork to vuggy quartz breccias. Argillic alteration appears to be patchy and does not show a clear spatial relationship to the silicified zones.

3. GEOCHEMISTRY

3.1 General

Four hundred and eighty-three soil samples were collected over three grid areas (Dwg. GC 8019). Samples were collected at 20 m intervals along lines 100 m apart. In general, samples were collected from the B horizon, and then placed in Kraft sample bags and sent to Acme Analytical Labs for analysis (see Appendix B for techniques and results). All soil samples were analysed for Au by AA techniques. Samples 1 to 105 were analysed for 30 elements by ICP and samples 106 to 483 were analysed for Mo, Pb, Zn, As, Sb by ICP and for Ag by AA.

One hundred and eighty-five rock chip samples were taken at 10 m intervals where rock exposure permitted. Samples were geochemically analysed for Au and Ag by Chemex Labs Ltd. in Vancouver.

3.2 Soil Geochemistry Results

Rock and soil sample locations and Au/Ag results for both are shown on Drawings GC 8019 to 8021 and GC 7633. Results for Zn, Mo and As in soil are shown on Drawings GC 8027, GC 8028 and GC 7638 (Grids 1, 2 and 3 respectively). Histograms for Au, Ag, As and Zn are shown in Figs. 4 to 6. Gold response is generally weak with most samples averaging 5 ppb and only scattered results greater than 20 ppb. Higher values do show a general spatial correlation with areas containing higher Ag, As, Zn and Mo values.

Response of Ag is stronger than gold, with stronger anomalies and with better grouping of anomalous samples.

3.2 Soil Geochemistry Results (continued)

Silver anomalies are generally enclosed in broader zones containing elevated As, Zn and Mo values. On Grids 1 and 3, the anomalies have a strong spatial correlation with the linear silicified zones mentioned previously. On Grid 2, the soil anomalies show no spatial relationship to exposed silicified zones. However, they are possibly related to zones that do not outcrop. In the southeast corner of Grid 2, As and Zn anomalies show a correlation with units 1a and 1d.

3.3 Rock Geochemical Results

Eighty-eight percent of the rock chip samples ran between 5 ppb and 50 ppb Au. The most anomalous three samples are on Grid 3 and ran 500 ppb, 725 ppb and 9700 ppb Au (4.2 ppm, 7.2 ppm, 65.0 ppm Ag respectively). All samples running over 100 ppb Au were taken from silicified and brecciated zones or from zones with significant quartz veining. No sulphides have been observed on the property.

4. DISCUSSION

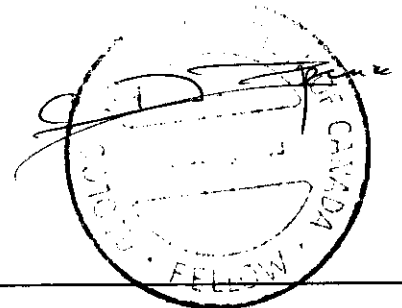
Soil geochemistry and rock geochemistry on the Wolf claims has located anomalous gold and silver values associated with north-northeast trending silicified zones. These zones have an epithermal character as indicated by the As-Zn-Mo association in soils, the vuggy nature of the quartz veins and breccias, and by the locally intense argillic alteration.

Mineralized zones cross-cut all rock types and are probably structurally controlled. Discovery of mineralization on Wolf makes the remaining belt of Ootsa Lake rocks, which continue south from Wolf, a valid exploration target for epithermal precious metal deposits.

5. RECOMMENDATIONS

It is recommended that soil sampling be expanded to cover all areas on the property with extensive overburden. The property should be geologically mapped and thoroughly prospected to locate all significant epithermal zones. Alteration zones should be thoroughly chip sampled to define areas of mineralization. Trenching should be used where necessary in order to adequately sample these zones.

The belt of Ootsa Lake volcanics containing Wolf should be prospected for similar occurrences. Stream geochemical sampling should be used where necessary.



APPENDIX A

COST STATEMENT

COST STATEMENT

Wolf Claims

Personnel

H. Bryan	19 days/\$75.00	\$ 1,425.00	
D. Schmidt	19 days/\$60.00	1,140.00	
C. Spence (Supervision)	3 days/\$210.00	<u>630.00</u>	
			\$ 3,195.00

Camp Costs

38 man/days @ \$18.00/day		\$ 684.00	
Radio		<u>277.00</u>	
			\$ 961.00

Helicopter

\$ 2,924.00

Fixed Wing\$ 1,550.00

\$ 4,474.00

Geochemistry

185 rock samples @ \$10.65		\$ 1,970.25	
105 soil samples @ \$ 6.60 (ICP)		693.00	
377 soil samples @ \$ 6.60 (AA)		2,488.20	
346 soil samples @ \$ 4.00 (ICP)		<u>1,504.00</u>	
			\$ 6,655.00

Report Preparation

\$ 800.00

Drafting\$ 1,200.00

\$ 2,000.00

TOTAL

\$17,285.00

APPENDIX B

GEOCHEMICAL RESULTS



ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B.C. V6A 1R6

Telephone : 253 - 3158

GEOCHEMICAL LABORATORY METHODOLOGY - 1984

Sample Preparation

1. Soil samples are dried at 60°C and sieved to -80 mesh.
2. Rock samples are pulverized to -100 mesh.

Geochemical Analysis (AA and ICP)

0.5 gram samples are digested in hot dilute aqua regia in a boiling water bath and diluted to 10 ml with demineralized water. Extracted metals are determined by :

A. Atomic Absorption (AA)

Ag*, Bi*, Cd*, Co, Cu, Fe, Ga, In, Mn, Mo, Ni, Pb, Sb*, Tl, V, Zn
(* denotes with background correction.)

B. Inductively Coupled Argon Plasma (ICP)

Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cu, Cr, Fe, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, Th, Ti, U, V, W, Zn.

Geochemical Analysis for Au*

10.0 gram samples that have been ignited overnight at 600°C are digested with hot dilute aqua regia, and the clear solution obtained is extracted with Methyl Isobutyl Ketone.

Au is determined in the MIBK extract by Atomic Absorption using background correction (Detection Limit = 5 ppb direct AA and 1 ppb graphite AA.)

Geochemical Analysis for Au**, Pd, Pt, Rh

10.0 - 30.0 gram samples are subjected to Fire Assay preconcentration techniques to produce silver beads.

The silver beads are dissolved and Au, Pd, Pt and Rh are determined in the solution by graphite furnace Atomic Absorption.

Geochemical Analysis for As

0.5 gram samples are digested with hot dilute aqua regia and diluted to 10 ml. As is determined in the solution by Graphite Furnace Atomic Absorption (AA) or by Inductively Coupled Argon Plasma (ICP).

Geochemical Analysis for Barium

0.1 gram samples are digested with hot NaOH and EDTA solution, and diluted to 10 ml.

Ba is determined in the solution by Atomic Absorption or ICP.

Geochemical Analysis for Tungsten

1.0 gram samples are fused with KCl, KNO₃ and Na₂CO₃ flux in a test tube, and the fusions are leached with 20 ml water. W in the solution determined by ICP with a detection of 1 ppm.

RECEIVED
OCT 23 1983
Re Juan

ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS, VANCOUVER B.C. PH:253-3158 TELEX:04-53124

ICP GEOCHEMICAL ANALYSIS

A .500 GRAM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 90 DEG.C. FOR 1 HOUR. THE SAMPLE IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR: Ca, P, Mg, Al, Ti, La, Na, K, W, Ba, Si, Sr, Cr AND B. Au DETECTION 3 ppm.
 Au ANALYSIS BY AA FROM 10 GRAM SAMPLE. SAMPLE TYPE - PULF

DATE RECEIVED OCT 1983 DATE REPORTS MAILED Oct 24 83 ASSAYER D. Toye DEAN TOYE, CERTIFIED B.C. ASSAYER

RIOCANEX INC PROJECT # 8607 FILE # 83-2157

PAGE # 1

SAMPLE #	No ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au ppb
M-1	2	6	5	52	.3	6	4	213	1.64	4	2	ND	2	14	1	2	2	32	.17	.04	13	9	.27	47	.06	2	1.49	.01	.04	2	5
M-2 P	3	10	5	73	.4	5	2	171	.64	3	2	ND	2	46	1	2	2	11	.49	.08	15	14	.12	63	.01	2	.79	.01	.07	2	5
M-5	3	3	8	53	.3	3	2	133	.85	5	2	ND	2	16	1	2	2	24	.19	.02	12	7	.11	33	.04	2	.77	.01	.04	2	5
M-6	3	3	8	63	.2	4	3	384	1.34	4	2	ND	2	17	1	2	2	33	.20	.02	11	10	.18	30	.08	2	.76	.01	.03	2	5
M-7	2	3	9	83	.1	5	4	558	1.89	7	2	ND	3	11	1	2	2	42	.14	.11	9	10	.15	51	.07	2	1.12	.01	.04	2	5
M-8	3	4	5	75	.2	5	3	214	1.62	5	2	ND	2	12	1	2	2	36	.15	.06	13	9	.22	31	.07	2	1.09	.01	.04	2	5
M-9	2	3	7	104	.2	4	4	360	1.80	10	2	ND	2	13	1	2	2	37	.16	.09	12	8	.18	36	.07	2	1.14	.01	.04	2	5
M-10	2	3	4	110	.7	7	4	204	1.80	7	2	ND	2	9	1	2	2	37	.12	.10	11	10	.19	37	.07	2	1.33	.01	.03	2	5
M-11	1	5	9	69	.4	6	4	183	1.94	9	3	ND	2	9	1	2	2	40	.11	.09	11	13	.21	37	.07	2	1.52	.01	.03	2	5
M-12	1	3	9	70	.3	6	4	583	1.81	6	3	ND	2	14	1	2	2	39	.16	.10	11	9	.17	62	.07	2	1.34	.01	.03	2	5
M-13	1	5	9	76	.7	7	5	440	2.05	12	2	ND	2	12	1	2	2	44	.13	.07	10	13	.17	45	.08	2	1.80	.01	.03	2	5
M-14	2	5	5	60	.7	7	4	198	1.91	10	2	ND	2	10	1	2	2	41	.10	.06	10	10	.23	51	.09	2	1.76	.01	.03	2	10
M-15	2	4	9	78	.6	6	4	319	2.09	11	2	ND	2	10	1	2	2	45	.11	.05	10	10	.17	50	.09	2	1.66	.01	.03	2	5
M-16	2	3	7	73	.3	6	4	465	1.85	7	2	ND	2	11	1	2	2	40	.12	.05	11	9	.17	51	.08	2	1.37	.01	.03	2	5
M-17	3	3	15	109	.5	4	3	344	1.28	11	3	ND	2	15	1	2	2	30	.14	.03	13	6	.16	38	.06	2	.87	.01	.04	2	5
M-18	13	4	10	82	.6	6	4	695	1.98	37	4	ND	2	14	1	2	2	44	.16	.04	10	9	.18	55	.09	2	1.30	.01	.03	2	5
M-19	7	5	11	116	.4	6	4	742	1.97	26	2	ND	2	17	1	2	2	44	.19	.06	10	10	.19	53	.09	3	1.32	.01	.04	2	5
M-20	3	4	7	158	.4	6	5	1165	1.67	7	2	ND	2	20	1	2	2	40	.21	.04	9	11	.18	69	.09	2	.90	.01	.04	2	5
M-21	6	4	12	104	.3	6	5	417	1.76	10	2	ND	2	18	1	2	2	42	.18	.04	9	11	.18	44	.09	2	.95	.01	.04	2	5
M-22	7	4	12	350	1.6	5	3	357	1.68	12	2	ND	2	11	1	2	2	35	.13	.04	12	8	.16	22	.05	2	1.00	.01	.04	2	5
M-24	7	5	8	172	.8	8	5	368	2.29	17	3	ND	2	14	1	2	2	52	.13	.03	9	13	.27	40	.08	2	1.35	.01	.04	2	5
M-25	8	5	15	150	.6	6	4	256	2.30	13	2	ND	2	10	1	2	2	42	.12	.06	11	10	.19	40	.06	2	1.43	.01	.03	2	5
M-26	31	4	54	184	.4	5	3	324	3.80	46	2	ND	2	9	1	2	2	52	.09	.09	9	10	.16	38	.08	3	1.38	.01	.04	2	85
M-27	57	4	23	156	1.4	6	4	1269	2.91	21	2	ND	2	10	1	2	2	55	.12	.09	9	11	.15	52	.09	2	1.33	.01	.04	2	5
M-28	12	3	15	77	.6	4	2	388	2.23	35	3	ND	2	9	1	2	2	53	.09	.06	9	11	.08	34	.09	2	.92	.01	.03	2	5
M-29	10	5	14	98	1.0	8	4	262	3.05	30	2	ND	2	9	1	2	2	59	.09	.10	9	13	.21	42	.10	2	2.55	.01	.03	2	5
M-30	3	4	6	81	.3	6	4	335	2.00	5	2	ND	2	13	1	2	2	45	.15	.06	10	10	.18	64	.09	2	1.39	.01	.04	2	5
M-31	2	7	13	68	.4	7	4	254	2.19	10	3	ND	2	10	1	2	2	49	.11	.08	12	14	.23	42	.09	2	1.77	.01	.03	2	5
M-32	2	5	8	69	.5	6	4	277	1.82	13	3	ND	2	17	1	2	2	38	.15	.09	10	9	.17	50	.07	2	1.24	.01	.04	2	5
M-33	2	5	8	79	.2	6	4	802	1.59	5	2	ND	2	18	1	2	2	35	.20	.06	12	8	.17	53	.08	2	1.03	.01	.03	2	5
M-34	1	3	5	45	.1	4	3	317	1.72	2	2	ND	2	13	1	2	2	43	.17	.06	10	10	.14	34	.07	2	.80	.01	.03	2	5
M-35	1	4	2	35	.1	6	4	182	1.65	5	2	ND	2	12	1	2	2	38	.16	.04	10	9	.26	40	.08	2	.93	.01	.03	2	30
M-36	1	3	5	40	.1	4	2	248	1.08	2	2	ND	2	15	1	3	2	26	.19	.02	10	7	.19	31	.08	2	.69	.01	.03	2	5
M-37	1	3	6	39	.2	3	2	113	1.04	3	2	ND	2	14	1	2	2	28	.17	.02	11	10	.13	33	.09	2	.59	.01	.03	2	5
M-38	1	2	7	30	.1	3	2	110	1.08	5	2	ND	2	12	1	2	2	26	.15	.04	11	7	.14	22	.07	2	.74	.01	.03	2	5
M-39	2	4	3	31	.2	4	3	127	1.44	5	2	ND	2	13	1	2	2	32	.15	.04	12	7	.17	34	.06	2	.96	.01	.03	2	5
M-40	1	2	10	29	.2	2	2	312	.86	2	2	ND	2	12	1	2	2	23	.14	.02	12	5	.11	32	.07	2	.52	.01	.03	2	5
STD A-1	1	30	39	186	.3	36	13	1027	2.82	10	2	ND	2	35	1	2	2	58	.58	.10	7	73	.73	281	.08	8	2.07	.02	.21	2	5

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Hg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	AuI ppb
M-41	1	4	8	48	.1	6	4	230	1.67	9	2	ND	2	14	1	2	2	39	.16	.06	10	8	.22	38	.07	2	1.21	.01	.05	2	5
M-42	1	4	10	25	.1	5	3	138	1.13	4	2	ND	2	15	1	5	3	30	.20	.03	10	7	.23	33	.09	2	.80	.01	.04	2	5
M-43	17	5	21	444	.6	7	5	1174	2.27	32	2	ND	2	15	2	2	2	50	.15	.03	11	10	.13	24	.08	2	.76	.01	.06	2	5
M-44	3	4	9	382	.8	6	5	882	1.43	8	2	ND	2	29	1	2	4	38	.32	.04	10	9	.16	48	.08	2	.68	.01	.06	2	5
M-45	6	3	12	99	.5	4	2	213	1.24	6	2	ND	2	14	1	2	4	41	.18	.01	8	8	.10	28	.11	2	.43	.01	.06	2	5
M-46	6	4	9	166	.2	5	4	569	1.49	7	2	ND	2	18	1	2	2	39	.21	.03	10	11	.17	41	.07	2	.76	.01	.06	2	5
M-47	9	5	18	261	1.3	8	6	1031	2.24	29	2	ND	2	15	2	2	2	52	.20	.05	10	14	.20	58	.08	3	1.48	.01	.06	2	5
M-48	14	4	36	180	1.2	6	3	373	2.16	26	2	ND	2	10	1	2	2	49	.12	.06	12	12	.18	34	.06	3	1.40	.01	.06	2	15
M-49	7	5	18	132	.9	8	4	211	2.17	21	2	ND	2	10	1	2	2	48	.10	.06	13	12	.23	42	.06	2	1.82	.01	.05	2	15
M-50	17	9	79	149	1.6	8	4	237	2.34	42	3	ND	2	15	1	2	2	51	.14	.05	11	13	.34	48	.10	2	2.01	.01	.05	2	20
M-51	10	6	23	114	2.7	9	5	418	2.90	42	2	ND	2	12	1	2	2	58	.14	.09	11	13	.28	44	.09	4	2.09	.01	.05	2	5
M-52	2	6	5	85	.2	6	4	1499	2.01	9	2	ND	2	15	1	2	2	50	.18	.07	10	11	.14	62	.09	3	1.14	.01	.04	2	5
M-53	2	6	9	82	.2	9	5	369	2.48	14	2	ND	2	14	1	2	2	55	.19	.09	9	14	.24	46	.11	4	1.50	.01	.05	2	5
M-54	1	7	8	66	.1	11	5	329	2.45	9	2	ND	2	18	1	2	2	55	.24	.10	9	16	.27	49	.08	2	1.76	.01	.05	2	5
M-55	1	7	8	69	.1	12	6	400	2.41	8	2	ND	2	14	1	2	2	54	.18	.13	9	20	.22	58	.09	3	1.83	.01	.05	2	5
M-56	1	4	2	33	.1	6	4	166	1.85	3	2	ND	2	10	1	2	3	47	.14	.05	8	10	.16	30	.07	2	1.08	.01	.05	2	5
M-57	1	4	7	29	.1	5	3	190	1.11	2	2	ND	2	15	1	2	4	30	.19	.02	10	6	.19	33	.09	2	.78	.01	.04	2	5
M-58	1	4	7	33	.2	5	3	168	1.54	6	2	ND	2	11	1	2	4	35	.15	.06	9	9	.19	26	.07	2	1.10	.01	.05	2	5
M-59	1	5	7	80	.1	7	6	1204	2.16	9	2	ND	2	17	1	2	3	52	.21	.09	12	12	.18	64	.07	4	1.13	.01	.05	2	5
M-60	1	6	5	55	.3	8	5	251	2.56	18	2	ND	2	15	1	2	2	57	.17	.11	13	14	.22	52	.08	3	1.33	.01	.04	2	5
M-61	1	6	10	56	.2	8	5	206	2.70	12	2	ND	2	14	1	2	2	59	.17	.16	12	14	.24	48	.08	2	1.62	.01	.05	2	5
M-62	1	5	1	79	.2	8	5	230	2.48	10	2	ND	2	13	1	2	2	50	.16	.18	11	12	.20	40	.08	3	2.01	.01	.05	2	5
M-63	2	7	8	60	.2	10	5	198	2.86	16	2	ND	2	14	1	2	2	56	.16	.22	11	15	.24	53	.08	4	2.11	.01	.05	2	5
M-64	3	10	5	61	.2	12	6	243	2.89	14	2	ND	2	14	1	2	2	62	.16	.11	8	15	.31	78	.08	3	2.69	.01	.05	2	5
M-65	9	5	10	42	.1	7	4	151	2.09	18	2	ND	2	20	1	2	2	48	.20	.07	12	11	.19	42	.09	2	1.51	.01	.04	2	5
M-66	2	6	5	65	.2	9	5	321	2.77	15	3	ND	2	12	1	2	2	56	.15	.18	10	13	.20	38	.08	3	2.20	.01	.05	2	5
M-67	1	4	1	22	.1	5	2	125	1.07	2	2	ND	2	11	1	2	3	27	.16	.03	8	7	.18	38	.08	2	.89	.01	.04	2	10
M-68	1	4	4	22	.1	4	2	117	1.07	8	2	ND	2	14	1	2	4	30	.18	.02	9	6	.18	38	.10	2	.94	.01	.04	2	5
M-69	1	5	5	29	.1	5	3	116	1.34	6	2	ND	2	13	1	2	2	32	.16	.03	10	9	.16	47	.09	2	1.26	.01	.04	2	5
M-70	1	6	3	42	.1	7	4	160	2.17	9	2	ND	2	14	1	2	2	49	.16	.10	8	14	.19	42	.08	4	1.72	.01	.04	2	5
M-71	1	5	8	63	.4	7	4	167	1.87	11	2	ND	2	16	1	3	2	40	.17	.09	9	11	.19	47	.08	2	1.51	.01	.04	2	5
M-72	1	6	5	33	.1	6	4	150	1.78	12	2	ND	2	15	1	2	2	43	.18	.07	9	10	.19	35	.08	2	1.14	.01	.04	2	5
M-73	1	4	5	30	.2	5	3	132	1.85	11	2	ND	2	12	1	2	2	48	.16	.05	8	9	.12	36	.08	3	1.29	.01	.04	2	5
M-74	1	5	6	37	.3	7	4	171	2.16	9	3	ND	2	19	1	3	2	51	.21	.07	9	11	.23	37	.10	4	1.48	.01	.05	2	5
M-75	1	6	9	58	.1	7	4	252	2.17	12	2	ND	2	16	1	2	2	48	.19	.10	9	12	.22	53	.09	3	1.55	.01	.05	2	5
M-76	1	7	5	51	.1	8	5	336	2.11	9	2	ND	2	25	1	2	2	50	.30	.08	10	14	.33	60	.11	3	1.48	.01	.05	2	15
M-77	1	5	9	51	.2	6	4	375	1.66	6	2	ND	2	17	1	2	2	42	.21	.05	10	10	.23	50	.11	2	1.18	.01	.04	2	5
STD A-1	1	30	39	178	.3	36	12	1037	2.76	10	2	ND	2	35	1	2	2	60	.58	.10	7	74	.73	269	.08	9	2.06	.02	.20	2	5

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au8 ppb
W-78	1	4	8	35	.2	4	3	242	1.24	6	3	ND	2	22	1	2	2	32	.20	.02	10	8	.27	40	.13	3	.97	.01	.03	2	5
W-79	1	5	6	58	.2	6	3	264	1.57	7	2	ND	2	18	1	2	2	36	.21	.05	10	7	.30	50	.08	3	1.37	.01	.03	2	5
W-80	1	3	10	53	.2	4	3	169	1.44	7	2	ND	2	15	1	3	2	33	.16	.07	9	4	.14	30	.07	2	1.18	.01	.03	2	5
W-81	1	5	9	35	.1	5	2	145	1.20	6	3	ND	2	19	1	3	2	31	.19	.02	12	5	.24	33	.11	3	.93	.01	.01	2	5
W-82	2	6	8	59	.1	7	4	200	1.88	14	3	ND	2	15	1	2	2	44	.14	.05	13	10	.25	47	.10	2	1.47	.01	.04	2	10
W-83	2	5	12	70	.3	6	4	247	1.91	8	3	ND	2	17	1	2	2	44	.15	.07	11	8	.18	52	.08	3	1.52	.01	.03	2	5
W-84	3	3	10	88	.2	6	8	1938	1.82	13	4	ND	2	17	1	2	2	43	.16	.05	11	8	.15	71	.07	2	1.08	.01	.03	2	5
W-85	2	6	9	64	.1	4	4	525	1.54	9	2	ND	2	21	1	2	2	37	.19	.05	14	7	.19	49	.07	2	.99	.01	.01	2	5
W-86	1	5	6	48	.1	6	4	411	1.69	9	2	ND	2	19	1	2	2	39	.22	.06	15	8	.27	38	.08	5	1.07	.01	.04	2	5
W-87	1	4	7	55	.1	5	3	194	1.55	5	2	ND	2	15	1	2	2	35	.18	.06	13	7	.21	33	.07	2	1.16	.01	.03	2	5
W-88	1	4	9	118	.2	7	4	314	1.92	13	2	ND	2	17	1	2	2	39	.17	.16	10	8	.21	37	.07	3	1.76	.01	.04	2	5
W-89	2	7	11	148	.4	8	6	935	2.36	17	2	ND	2	31	1	2	2	53	.29	.07	12	12	.30	98	.10	2	1.41	.01	.04	2	5
W-90	3	4	10	68	.4	4	3	328	1.93	16	3	ND	2	14	1	2	2	48	.13	.05	11	7	.14	30	.08	4	1.00	.01	.03	2	5
W-91	20	3	13	161	1.0	5	3	317	3.76	54	5	ND	2	12	1	2	2	54	.12	.06	10	8	.11	33	.07	3	1.06	.01	.03	2	5
W-92	2	5	9	94	.9	5	5	365	2.09	14	2	ND	2	13	1	2	2	47	.13	.07	11	8	.13	44	.10	5	1.31	.01	.03	2	5
W-93	1	5	6	47	.2	5	3	397	1.34	6	3	ND	2	22	1	2	2	32	.22	.05	13	7	.20	43	.10	2	.96	.01	.04	2	5
W-94	1	4	7	34	.1	4	2	153	1.20	6	3	ND	2	18	1	2	2	31	.19	.03	10	5	.19	34	.11	3	.92	.01	.03	2	5
W-95	1	4	10	46	.1	6	3	145	1.95	12	3	ND	2	16	1	2	2	43	.17	.08	10	9	.19	52	.10	2	1.47	.01	.03	2	5
W-96	1	4	9	57	.1	5	3	208	1.77	12	2	ND	2	16	1	2	2	39	.16	.10	10	7	.19	38	.10	2	1.38	.01	.01	2	5
W-97	1	4	9	39	.2	5	3	172	1.62	10	5	ND	2	16	1	2	2	38	.16	.05	10	6	.22	48	.08	2	1.24	.01	.01	2	5
W-98	2	37	21	117	.4	16	10	1313	4.56	20	3	ND	2	42	1	2	2	66	.25	.16	16	22	.41	202	.04	2	6.07	.01	.07	2	5
W-99	1	4	8	49	.1	4	3	166	2.12	7	2	ND	2	15	1	2	2	45	.17	.16	9	9	.08	43	.07	3	1.26	.01	.03	2	5
W-100	1	6	8	82	.2	8	5	180	2.95	12	2	ND	2	19	1	2	3	59	.17	.24	9	11	.22	53	.10	4	2.39	.01	.03	2	5
W-101	1	9	6	48	.3	8	6	659	2.33	12	3	ND	2	24	1	2	2	51	.23	.10	10	12	.34	62	.10	4	1.43	.01	.03	2	5
W-102	1	8	6	46	.1	7	4	332	2.00	9	2	ND	2	30	1	2	2	46	.30	.10	11	12	.23	53	.07	4	1.61	.01	.03	2	5
W-103	1	4	9	41	.1	5	2	157	1.62	4	3	ND	2	18	1	2	2	40	.19	.07	10	7	.18	45	.11	3	1.14	.01	.03	2	10
W-104	1	5	8	43	.2	4	3	341	1.69	4	2	ND	2	15	1	2	2	42	.15	.06	10	9	.11	45	.08	3	.96	.01	.01	2	5
W-105	2	6	5	45	.1	5	4	847	1.62	2	2	ND	2	20	1	2	2	39	.20	.05	12	8	.21	56	.08	3	1.22	.01	.04	2	5
STD A-1	1	30	39	184	.3	35	13	1034	2.81	10	2	ND	2	37	1	2	2	58	.59	.12	7	75	.75	275	.08	9	2.06	.02	.18	2	5

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 TELEX 04-53124

DATE RECEIVED:
DATE REPORT MAILED: 26 Mar 1984

GEOCHEMICAL ICP ANALYSIS

A .500 GRAM OF SAMPLE DIGESTED WITH 3ML OF 3-1-3 OF HCL-HNO3-H2O AT 95 DEG. OF WATER BATH FOR ONE HOUR.
DILUTED TO 10 ML WITH WATER. PARTIAL LEACHED FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA
AU DETECTION LIMIT 3 PPM SAMPLE TYPE: PULP

ASSAYER: *B. Jung for* DEAN TOYE. CERTIFIED B.C. ASSAYER

RIO ALGOM PROJECT # 8607 FILE # 83-2311 RE PAGE 1

SAMPLE#	MO PPM	PB PPM	ZN PPM	AS PPM	SB PPM
W-106 P	7	4	149	15	2
W-107 P	10	8	107	17	2
W-108 P	2	1	18	3	2
W-109	2	12	65	11	2
W-110	1	8	60	11	2
W-111	2	1	34	11	2
W-112	1	8	36	11	2
W-113	1	7	38	4	2
W-114	2	9	48	16	2
W-115	1	5	45	16	2
W-116	3	7	49	14	2
W-117	1	7	39	11	2
W-118	4	12	57	16	2
W-119	8	10	109	16	2
W-120	2	9	77	14	2
W-121	4	10	159	12	2
W-122	3	9	89	13	2
W-123	1	7	46	12	2
W-124	1	7	30	8	2
W-125	1	10	39	11	2
W-126	1	6	35	9	2
W-127	2	15	119	13	2
W-128	4	10	62	21	2
W-129	4	12	55	26	2
W-130	7	14	69	20	2
W-131	3	14	63	20	2
W-132	3	13	76	14	2
W-133	2	12	33	10	2
W-134	2	8	109	12	2
W-135	1	10	78	13	2
W-136	1	9	101	14	2
W-137	2	11	125	10	2
W-138	2	11	62	20	2
W-139	3	14	126	23	2
W-140	2	10	116	13	2
W-141	6	16	217	47	2
W-142	3	10	105	14	2

SAMPLE#	MO PPM	PB PPM	ZN PPM	AS PPM	SB PPM
W-143	1	9	97	8	2
W-144	1	8	101	14	2
W-145	3	13	117	10	2
W-146	2	7	63	10	2
W-147	2	10	72	13	2
W-148	5	11	110	24	2
W-149	4	12	102	16	2
W-150	1	9	97	8	2
W-151	4	10	149	17	2
W-152	2	8	76	12	2
W-153	1	7	92	11	2
W-154	2	8	62	4	2
W-155	4	14	189	29	2
W-156	3	8	88	19	2
W-157	2	5	143	14	2
W-158	3	6	65	8	2
W-159	3	5	131	17	2
W-160	2	7	117	8	2
W-161	4	6	103	25	2
W-162	3	9	78	20	2
W-163	2	4	76	11	2
W-164	1	6	42	10	3
W-165	5	11	52	13	2
W-166	7	10	113	23	2
W-167	2	7	65	14	2
W-168	2	7	60	12	2
W-169	1	5	71	8	2
W-170	1	4	72	10	2
W-171	1	7	120	13	2
W-172	1	6	43	13	2
W-173	1	5	57	8	2
W-174	2	7	47	14	2
W-175	2	6	56	11	2
W-176	2	4	66	11	2
W-177	1	4	99	7	2
W-178	1	5	68	3	2
W-179	6	6	118	23	2
STD A-1	1	37	186	10	2

SAMPLE#	MO PPM	FB PPM	ZN PPM	AS PPM	SB PPM
W-180	6	11	82	27	2
W-181	5	13	147	25	2
W-182	4	13	187	12	2
W-183	3	10	101	14	2
W-184	3	10	116	27	2
W-185	1	7	143	8	2
W-186	2	7	134	15	2
W-187	8	29	268	52	2
W-188	4	15	151	19	2
W-189	2	9	122	11	2
W-190	3	13	204	8	2
W-191	2	9	125	8	2
W-192	3	10	78	12	2
W-194	3	10	177	17	2
W-195	3	8	110	16	2
W-196	2	7	93	8	2
W-197	2	7	84	6	2
W-198	3	5	99	11	2
W-199	2	5	155	6	2
W-200	2	6	116	10	2
W-201	2	7	159	12	2
W-202	2	6	204	7	2
W-203	3	8	117	8	2
W-204	3	6	64	13	2
W-205	12	22	168	32	2
W-206	1	1	46	7	2
W-207	3	7	44	13	2
W-208	2	8	52	11	2
W-209	2	6	78	6	2
W-210	1	4	29	5	2
W-211	2	5	35	7	2
W-212	2	10	52	6	2
W-213	2	7	26	4	2
W-214	2	8	97	8	2
W-215	6	16	91	3	2
W-216	1	7	31	8	2
STD A-1	1	40	186	10	2

SAMPLE#	MO PPM	PB PPM	ZN PPM	AS PPM	SB PPM
W-217	1	5	37	7	2
W-218	1	7	50	6	2
W-219	1	8	62	9	2
W-220	2	4	68	9	2
W-221	1	6	59	7	2
W-222	3	11	96	23	2
W-223	4	8	131	16	2
W-224	3	7	135	16	2
W-225	2	10	175	9	2
W-226	4	9	62	17	2
W-227	2	11	102	15	2
W-228	1	5	73	8	2
W-229	1	4	100	7	2
W-230	1	7	83	7	2
W-231	2	9	82	6	2
W-232	2	6	194	11	2
W-233	4	11	174	11	2
W-234	2	9	162	5	2
W-235	1	8	57	9	2
W-236	1	7	42	11	2
W-237	1	6	59	10	2
W-238	2	7	93	12	2
W-239	1	9	62	7	2
W-240	2	7	91	6	2
W-241	1	6	58	7	2
W-242	1	4	29	12	2
W-243	1	4	68	3	2
W-244	2	8	65	13	2
W-245	1	5	64	5	2
W-246	2	8	80	11	2
W-247	3	7	118	9	2
W-248	1	5	92	5	2
W-249	1	7	37	6	2
W-250	1	8	81	8	2
W-251	1	6	52	11	2
W-252	2	5	55	10	2
W-253	5	6	54	18	2
STD A-1	1	38	186	10	2

SAMPLE#	MO PPM	PB PPM	ZN PPM	AS PPM	SB PPM
W-254	1	5	44	10	2
W-255	1	9	48	10	2
W-256	1	8	56	11	5
W-257	1	7	53	11	4
W-258	1	7	54	12	2
W-259	1	6	49	8	2
W-260	1	9	46	10	2
W-261	2	12	63	9	2
W-262	3	12	83	20	6
W-263	1	8	54	10	2
W-264	1	7	48	11	2
W-265	1	5	49	8	2
W-266	2	8	54	15	3
W-267	2	6	49	10	2
W-268	13	19	121	20	2
W-269	1	11	117	10	2
W-270	1	5	56	12	4
W-271	2	6	46	14	2
W-272	1	6	98	9	2
W-273	1	5	37	7	2
W-274	2	6	71	10	2
W-275	4	8	62	10	2
W-276	2	8	71	8	2
W-277	1	4	45	11	2
W-278	1	8	75	7	3
W-279	1	5	75	6	2
W-280	1	7	65	6	2
W-281	1	4	63	7	2
W-282	3	8	61	8	4
W-283	2	7	96	8	2
W-284	1	5	67	8	2
W-285	1	7	81	6	2
W-286	1	7	95	4	2
W-287	2	5	92	7	2
W-288	1	5	53	6	2
W-289	2	4	38	7	2
W-290	2	6	68	4	2
STD A-1	1	39	187	10	2

SAMPLE#	MO PPM	PB PPM	ZN PPM	AS PPM	SB PPM
W-291	1	3	20	7	2
W-292	4	9	159	24	2
W-293	4	6	93	13	2
W-294	4	7	100	20	2
W-295	6	8	164	29	2
W-296	8	7	125	27	2
W-297	5	9	134	22	2
W-298	4	8	87	19	2
W-299	12	7	96	22	2
W-300	3	8	103	11	3
W-301	7	10	98	10	2
W-302	3	6	67	13	2
W-303	1	5	49	5	2
W-304	1	4	68	6	2
W-305	2	3	48	11	2
W-306	2	7	124	7	2
W-307	2	6	167	8	2
W-308	1	6	46	8	2
W-309	2	3	90	9	2
W-310	2	2	52	10	2
W-311	1	5	70	9	2
W-312	3	10	137	11	2
W-313	3	7	80	14	2
W-314	3	7	71	10	2
W-315	1	5	56	11	2
W-316	3	7	64	15	2
W-317	2	8	71	12	2
W-318	4	7	93	9	2
W-319	3	8	59	13	2
W-320	3	9	69	10	2
W-321	2	6	68	11	2
W-322	3	9	69	14	2
W-323	6	14	133	14	2
W-324	23	15	283	29	2
W-325	3	3	55	8	2
W-326	3	7	32	9	2
W-327	2	4	56	8	2
STD A-1	1	38	185	10	2

SAMPLE#	MO PPM	PB PPM	ZN PPM	AS PPM	SB PPM
W-328	1	7	78	7	2
W-329	2	8	117	9	2
W-330	2	10	142	15	2
W-331	2	8	185	6	2
W-332	2	9	151	9	2
W-333	4	9	121	14	2
W-336	2	7	234	5	2
STD A-1	1	39	188	9	2

ICP GEOCHEMICAL ANALYSIS

A .500 GRAM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 90 DEG.C. FOR 1 HOUR.
 THE SAMPLE IS DILUTED TO 10 MLS WITH WATER.
 THIS LEACH IS PARTIAL FOR: Ca, P, Mg, Al, Ti, La, Na, K, W, Ba, Si, Sr, Cr AND B. Au DETECTION 3 ppm.
 SAMPLE TYPE - PULP

ASSAYER D. Toye DEAN TOYE, CERTIFIED B.C. ASSAYER

RIOCANEX INC PROJECT # 8607 FILE # 83-2311 (RE) PAGE# 1

SAMPLE	MO ppm	PB ppm	ZN ppm	AS ppm	SB ppm
W-337	2	10	81	8	2
W-338	2	7	116	10	2
W-339	1	5	60	8	2
W-340	1	5	175	10	2
W-341	4	6	228	2	3
W-342	4	9	289	19	3
W-343	1	7	111	10	4
W-344	1	2	76	13	4
W-345	1	5	190	18	2
W-346	3	8	152	24	2
W-347	1	9	88	13	2
W-348	1	9	141	22	2
W-349	1	9	132	10	2
W-350	1	10	134	12	2
W-351	2	11	124	19	2
W-352	1	9	141	10	2
W-353	2	8	179	17	2
W-354	1	6	164	7	2
W-355	1	3	182	12	2
W-356	1	7	193	7	2
W-357	1	8	134	8	2
W-358	1	9	237	17	2
W-359	7	10	142	26	2
W-360	2	9	106	13	2
W-361	1	2	80	8	2
W-362	1	4	101	7	2
W-363	1	11	169	5	2
W-364	5	16	208	24	2
W-365	1	6	86	11	2
W-366	1	8	128	2	2
W-367	4	7	375	28	2
W-368	3	9	198	18	2
W-369	2	7	155	15	2
W-370	2	8	184	15	2
W-371	1	6	135	4	2
W-372	2	9	84	13	2
W-373	2	13	101	12	2
STD A-1	1	38	186	10	2

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SAMPLE	MO ppm	PB ppm	ZN ppm	AS ppm	SB ppm
W-374	2	9	144	11	2
W-375	2	7	157	9	2
W-377	1	6	76	13	2
W-378	2	5	182	10	2
W-379	3	9	123	14	2
W-380	3	11	143	14	2
W-381	2	10	154	19	2
W-382	4	6	176	13	2
W-383	3	7	267	18	2
W-384	1	9	144	9	2
W-385	2	9	126	13	2
W-386	1	9	162	9	2
W-387	4	5	166	20	2
W-388	2	9	100	7	2
W-389	6	13	115	44	2
W-390	2	7	127	17	2
W-391	3	8	160	16	2
W-392	2	9	84	5	2
W-393	1	7	155	9	2
W-394	1	9	126	12	2
W-395	1	5	42	13	2
W-396	1	8	50	6	2
W-397	1	8	44	8	2
W-398	1	7	68	9	2
W-399	1	3	47	5	2
W-400	1	1	83	11	2
W-401	2	9	107	10	2
W-402	2	10	105	11	2
W-403	1	8	71	7	2
W-404	2	7	120	13	2
W-405	2	4	82	10	2
W-406	2	9	96	11	2
W-407	2	7	135	4	2
W-408	1	7	41	8	2
W-409	2	9	101	7	2
W-410	2	8	53	9	2
STD A-1	1	40	189	10	2

SAMPLE	MO ppm	PB ppm	ZN ppm	AS ppm	SB ppm
W-411	3	8	93	25	2
W-412	3	6	87	14	2
W-413	2	1	94	5	2
W-414	5	12	46	17	2
W-415	11	16	47	34	2
W-416	3	11	125	15	2
W-417	4	8	147	20	2
W-419	3	10	58	13	2
W-420	10	10	189	49	2
W-421	3	7	102	9	2
W-422	3	12	72	9	2
W-423	3	11	203	18	2
W-424	4	7	213	22	2
W-427	3	10	108	17	2
W-428	4	13	113	17	2
W-429	3	13	136	11	2
W-430	3	10	68	10	2
W-431	3	3	136	8	2
W-432	2	5	47	11	2
W-433	2	3	47	11	3
W-434	2	3	50	11	2
W-435	1	1	74	7	2
W-436	2	8	62	7	2
W-437	4	10	139	17	2
W-438	2	7	65	9	2
W-439	2	10	75	10	2
W-440	3	8	68	13	2
W-441	4	13	69	12	2
W-442	2	7	61	15	2
W-443	3	7	74	12	2
W-444	1	6	77	12	2
W-445	2	7	51	7	2
W-446	1	5	35	11	2
W-447	2	12	51	8	2
W-448	1	8	55	5	2
STD A-1	1	40	187	9	2

SAMPLE	MO ppm	PB ppm	ZN ppm	AS ppm	SB ppm
W-449	2	7	88	13	2
W-450	2	7	45	16	2
W-451	3	12	87	5	2
W-452	3	11	56	14	2
W-453	4	7	55	23	2
W-454	5	14	130	37	2
W-455	5	9	76	20	2
W-456	2	10	100	9	2
W-457	2	7	71	6	2
W-458	2	8	62	8	2
W-459	2	1	47	6	2
W-460	2	8	33	2	2
W-461	3	6	85	19	2
W-462	3	9	100	13	2
W-463	2	5	44	10	2
W-464	2	9	42	14	2
W-465	1	6	30	2	2
W-466	1	7	30	7	2
W-467	2	4	55	10	2
W-468	2	12	50	9	3
W-469	3	8	108	15	2
W-470	5	9	75	18	2
W-471	3	8	60	14	2
W-472	3	8	52	24	2
W-473	2	5	52	16	2
W-474	2	11	63	9	2
W-475	3	16	70	19	2
W-476	2	9	34	10	2
W-477	4	10	119	20	2
W-478	13	23	152	11	2
W-479	2	9	111	10	2
W-480	2	12	43	9	2
W-481	2	8	37	11	2
W-482	2	7	43	4	2
W-483	1	9	28	6	2
STD A-1	1	38	186	9	2

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: 253-3158 TELEX: 04-53124

DATE RECEIVED SEPT 26 1983

DATE REPORTS MAILED *Oct 5/83*

GEOCHEMICAL ASSAY CERTIFICATE

A .500 GM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 90 DEG.C. FOR 1 HOUR.
THE SAMPLE IS DILUTED TO 10 MLS WITH WATER. ELEMENTS ANALYSED BY AA : AG.
SAMPLE TYPE : SOIL - DRIED AT 60 DEG C., -80 MESH, ~~POWDERED~~.
AU* - 10 GM, IGNITED, HOT AQUA REGIA LEACH MIBK EXTRACTION, AA ANALYSIS.

ASSAYER *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

RIOCANEX INC. PROJECT # 8607 FILE # 83-2311 PAGE# 1

SAMPLE	AG PPM	AU* PPB
W-106 P	1.0	5
W-107 P	.2	5
W-108 P	.1	5
W-109	.1	5
W-110	.1	5
W-111	.1	5
W-112	.1	5
W-113	.1	5
W-114	.1	5
W-115	.2	5
W-116	.1	5
W-117	.1	5
W-118	.7	10
W-119	.3	5
W-120	.1	5
W-121	.2	5
W-122	.2	5
W-123	.1	5
W-124	.1	5
W-125	.1	5
W-126	.1	5
W-127	.9	5
W-128	.1	10
W-129	.3	10
W-130	.7	5
W-131	.4	5
W-132	.1	5
W-133	.1	5
W-134	.1	5
W-135	.1	5
W-136	.1	5
W-137	.1	5
W-138	.1	5
W-139	.1	5
W-140	.1	5
W-141	.3	5
W-142	.2	5

P -20 mesh pulverized.

SAMPLE	AG PPM	AU* PPB
W-143	.4	5
W-144	.3	5
W-145	1.2	5
W-146	.7	5
W-147	1.3	10
W-148	2.6	15
W-149	1.5	10
W-150	.4	5
W-151	.8	5
W-152	.3	5
W-153	.2	5
W-154	.2	45
W-155	.6	15
W-156	.2	25
W-157	.5	5
W-158	.4	5
W-159	2.1	5
W-160	.4	5
W-161	.9	10
W-162	1.0	5
W-163	.4	5
W-164	.2	5
W-165	.5	5
W-166	.9	5
W-167	.4	5
W-168	.2	5
W-169	.4	5
W-170	.5	5
W-171	.4	5
W-172	.3	5
W-173	.4	5
W-174	.2	5
W-175	.3	5
W-176	.4	5
W-177	.5	5
W-178	.3	5
W-179	1.5	5

SAMPLE	AG PPM	AU* PPB
W-180	1.3	10
W-181	.7	5
W-182	.9	5
W-183	.4	5
W-184	1.0	5
W-185	.3	5
W-186	.4	5
W-187	2.4	25
W-188	.6	5
W-189	.5	5
W-190	.2	5
W-191	.3	5
W-192	.7	5
W-194	1.3	5
W-195	.2	5
W-196	.5	5
W-197	.4	5
W-198	.6	5
W-199	.5	5
W-200	.4	10
W-201	.3	5
W-202	.5	5
W-203	.4	5
W-204	.2	10
W-205	3.4	35
W-206	.2	10
W-207	.1	5
W-208	.1	5
W-209	.1	5
W-210	.1	5
W-211	.2	5
W-212	.2	5
W-213	.1	5
W-214	1.0	5
W-215	2.4	5
W-216	.1	5

SAMPLE	AG PPM	AU* PPB
W-217	.1	25
W-218	.4	10
W-219	.2	5
W-220	.1	5
W-221	.1	10
W-222	.5	75
W-223	.6	5
W-224	.3	40
W-225	.1	5
W-226	.2	5
W-227	.3	5
W-228	.2	5
W-229	.4	5
W-230	.2	25
W-231	.1	5
W-232	.6	5
W-233	1.2	15
W-234	.5	5
W-235	.2	5
W-236	.1	5
W-237	.1	20
W-238	.2	5
W-239	.1	5
W-240	.2	5
W-241	.2	5
W-242	.1	5
W-243	.6	5
W-244	.2	5
W-245	.4	5
W-246	.3	5
W-247	.3	5
W-248	.5	5
W-249	.2	5
W-250	.1	5
W-251	.1	5
W-252	.2	5
W-253	.3	10

SAMPLE	AG PPM	AU* PPB
W-254	.1	5
W-255	.1	5
W-256	.1	5
W-257	.1	5
W-258	.2	5
W-259	.2	5
W-260	.3	5
W-261	.4	5
W-262	.7	5
W-263	.2	5
W-264	.2	5
W-265	.2	5
W-266	.3	5
W-267	.2	5
W-268	2.2	10
W-269	.5	5
W-270	.3	5
W-271	.2	5
W-272	.2	5
W-273	.3	5
W-274	.3	5
W-275	.2	75
W-276	.5	5
W-277	.7	10
W-278	.2	5
W-279	.3	5
W-280	.2	5
W-281	.1	10
W-282	.4	5
W-283	.5	5
W-284	.2	5
W-285	.3	5
W-286	.4	5
W-287	.3	5
W-288	.2	5
W-289	.1	5
W-290	.3	5

SAMPLE	AG PPM	AU* PPB
W-291	.1	5
W-292	.4	5
W-293	.1	5
W-294	.4	5
W-295	.2	5
W-296	.1	5
W-297	.6	5
W-298	1.3	10
W-299	.8	15
W-300	.4	5
W-301	.3	5
W-302	.5	5
W-303	.1	5
W-304	.2	5
W-305	.1	25
W-306	.4	5
W-307	.4	5
W-308	.4	5
W-309	.1	5
W-310	.2	5
W-311	.1	5
W-312	.4	5
W-313	2.1	20
W-314	.7	10
W-315	.1	5
W-316	.3	5
W-317	.1	5
W-318	.1	5
W-319	.1	5
W-320	.1	5
W-321	.1	5
W-322	.1	5
W-323	.2	5
W-324	.8	10
W-325	.2	5
W-326	.1	5
W-327	.1	5

SAMPLE	AG PPM	AU* PPB
W-328	.1	5
W-329	.1	5
W-330	.1	5
W-331	.1	5
W-332	.4	5
W-333	.2	15
W-336	.1	5
W-337	.4	5
W-338	.1	5
W-339	.1	5
W-340	.1	5
W-341	.1	230
W-342	.3	5
W-343	.1	5
W-344	.3	5
W-345	.4	20
W-346	.9	10
W-347	.3	5
W-348	1.1	20
W-349	.3	5
W-350	.4	5
W-351	1.2	15
W-352	.9	5
W-353	.8	5
W-354	.1	5
W-355	.1	5
W-356	.1	5
W-357	.1	5
W-358	.1	5
W-359	.8	45
W-360	.2	10
W-361	.1	5
W-362	.1	5
W-363	.1	5
W-364	.4	20
W-365	.8	5
W-366	.1	5

SAMPLE	AG PPM	AU* PPB
W-367	.8	5
W-368	1.2	5
W-369	.4	5
W-370	.8	5
W-371	.4	5
W-372	.4	5
W-373	.1	5
W-374	.7	5
W-375	.1	10
W-377	.1	5
W-378	.9	5
W-379	.6	5
W-380	.6	5
W-381	.3	5
W-382	.5	5
W-383	.1	5
W-384	.1	5
W-385	.3	5
W-386	.4	5
W-387	.1	5
W-388	.2	5
W-389	5.8	10
W-390	2.1	5
W-391	1.7	5
W-392	.1	5
W-393	1.0	5
W-394	.2	5
W-395	.1	5
W-396	.1	5
W-397	.1	5
W-398	.1	5
W-399	.1	5
W-400	.2	5
W-401	1.0	5
W-402	.6	10
W-403	.2	5
W-404	.1	5

SAMPLE	AG PPM	AU* PPB
W-405	.6	5
W-406	.2	5
W-407	.8	5
W-408	.2	5
W-409	.4	5
W-410	.4	5
W-411	.5	5
W-412	1.0	5
W-413	.4	5
W-414	.6	65
W-415	1.2	15
W-416	1.6	10
W-417	1.4	5
W-419	.3	5
W-420	1.3	5
W-421	.1	5
W-422	.1	5
W-423	.6	5
W-424	.4	10
W-427	.5	5
W-428	.1	5
W-429	.1	5
W-430	.1	5
W-431	.6	5
W-432	.1	5
W-433	.1	5
W-434	.1	5
W-435	.1	5
W-436	.1	5
W-437	.2	5
W-438	.4	5
W-439	1.2	5
W-440	1.9	5
W-441	1.3	15
W-442	.6	30
W-443	1.3	10
W-444	.5	5

SAMPLE	AG PPM	AU* PPB
W-445	.2	5
W-446	.1	5
W-447	.2	5
W-448	.1	5
W-449	.2	5
W-450	.4	5
W-451	.3	5
W-452	.9	5
W-453	3.6	10
W-454	1.2	5
W-455	.1	5
W-456	.4	10
W-457	.1	5
W-458	.1	5
W-459	.1	5
W-460	.2	5
W-461	.2	5
W-462	.1	15
W-463	.1	5
W-464	.1	5
W-465	.1	5
W-466	.1	5
W-467	.2	10
W-468	.1	5
W-469	.1	5
W-470	.1	5
W-471	.2	5
W-472	.4	5
W-473	.5	5
W-474	.4	5
W-475	.1	5
W-476	.1	5
W-477	.5	5
W-478	1.5	5
W-479	.4	5
W-480	.3	5
W-481	.1	5
W-482	.1	5
W-483	.1	5



CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221
TELEX: 043-52597

CERTIFICATE OF ANALYSIS

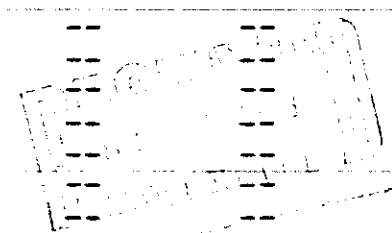
TO : RIOCANEX INC.

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

CERT. # : A8314907-001-A
INVOICE # : 18314907
DATE : 3-OCT-83
P.O. # : NONE
8607

ATTN: H. W. BRYAN

Sample description	Prep code	Ag ppm	Au ppb FA+AA				
G 0202	205	0.1	<5	--	--	--	--
G 0203	205	0.4	10	--	--	--	--
G 0204	205	0.4	30	--	--	--	--
G 0205	205	0.3	10	--	--	--	--
G 0206	205	0.1	25	--	--	--	--
G 0207	205	0.6	25	--	--	--	--
G 0208	205	0.1	40	--	--	--	--
G 0209	205	0.1	10	--	--	--	--
G 0210	205	0.3	5	--	--	--	--
G 0211	205	3.1	30	--	--	--	--
G 0212	205	0.2	5	--	--	--	--
G 0213	205	0.3	15	--	--	--	--
G 0214	205	2.2	25	--	--	--	--
G 0215	205	0.1	<5	--	--	--	--
G 0216	205	0.1	5	--	--	--	--
G 0217	205	0.1	15	--	--	--	--
G 0218	205	0.1	10	--	--	--	--
G 0219	205	0.1	10	--	--	--	--
G 0220	205	0.1	5	--	--	--	--
G 0221	205	0.1	5	--	--	--	--
G 0222	205	0.1	<5	--	--	--	--
G 0223	205	0.1	<5	--	--	--	--
G 0224	205	0.9	25	--	--	--	--
G 0225	205	1.1	<5	--	--	--	--
G 0226	205	0.4	265	--	--	--	--
G 0227	205	2.0	190	--	--	--	--
G 0228	205	8.1	115	--	--	--	--
G 0229	205	1.0	15	--	--	--	--
G 0230	205	1.4	45	--	--	--	--
G 0231	205	0.1	10	--	--	--	--
G 0232	205	0.1	10	--	--	--	--
G 0233	205	0.4	5	--	--	--	--
G 0234	205	0.3	10	--	--	--	--
G 0235	205	0.1	5	--	--	--	--
G 0236	205	0.1	10	--	--	--	--
G 0237	205	0.1	5	--	--	--	--
G 0238	205	0.1	5	--	--	--	--
G 0239	205	0.1	10	--	--	--	--
G 0240	205	0.1	5	--	--	--	--
G 0241	205	0.1	15	--	--	--	--



MEMBER
CANADIAN TESTING
ASSOCIATION

Certified by *H. W. Bryman*.....



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 : RIOCANEX INC.

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

CERT. # : A8315151-0C1-A
INVOICE # : 18315151
DATE : 11-CCT-83
P.C. # : NONE
8607

ATTN: H. BRYAN

Sample description	Prep code	Ag ppr	Au ppb FA+AA				
G0242	205	0.1	10	--	--	--	--
G0243	205	0.1	55	--	--	--	--
G0244	205	0.1	10	--	--	--	--
G0245	205	0.1	10	--	--	--	--
G0246	205	0.1	15	--	--	--	--
G0247	205	0.2	5	--	--	--	--
G0248	205	0.1	10	--	--	--	--
G0249	205	0.1	10	--	--	--	--
G0250	205	1.0	40	--	--	--	--
G0252	205	0.1	25	--	--	--	--
G0253	205	0.3	15	--	--	--	--
G0254	205	1.4	15	--	--	--	--
G0255	205	1.0	100	--	--	--	--
G0256	205	0.1	15	--	--	--	--
G0257	205	0.1	10	--	--	--	--
G0258	205	0.1	<5	--	--	--	--
G0259	205	0.1	5	--	--	--	--
G0260	205	0.1	10	--	--	--	--
G0261	205	0.1	5	--	--	--	--
G0262	205	0.5	5	--	--	--	--
G0263	205	1.1	20	--	--	--	--
G0264	205	0.4	10	--	--	--	--
G0265	205	0.1	5	--	--	--	--
G0266	205	0.1	<5	--	--	--	--
G0267	205	0.1	5	--	--	--	--
G0268	205	0.1	<5	--	--	--	--
G0269	205	0.1	<5	--	--	--	--
G0270	205	0.1	25	--	--	--	--
G0271	205	0.1	155	--	--	--	--
G0272	205	0.1	30	--	--	--	--
G0273	205	0.3	<5	--	--	--	--
G0274	205	0.1	40	--	--	--	--
G0275	205	0.1	15	--	--	--	--
G0276	205	0.1	20	--	--	--	--
G0277	205	0.1	100	--	--	--	--
G0278	205	0.3	50	--	--	--	--
G0279	205	0.2	30	--	--	--	--
G0280	205	0.1	45	--	--	--	--
G0281	205	0.1	5	--	--	--	--
G0282	205	0.1	5	--	--	--	--



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CHEMEX LABS LTD.

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TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : RICCANEX INC.

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

CERT. # : A8315151-002-A
INVOICE # : I8315151
DATE : 11-CCT-83
P.C. # : NONE
86C7

ATTN: H. BRYAN

Sample description	Prep code	Ag ppr	Au ppb FA+AA				
G0283	205	0.1	10	--	--	--	--
G0284	205	1.3	5	--	--	--	--
G0285	205	0.1	5	--	--	--	--
G0286	205	0.3	30	--	--	--	--
G0287	205	0.2	315	--	--	--	--
G0288	205	3.7	45	--	--	--	--
G0289	205	0.1	5	--	--	--	--
G0290	205	0.1	15	--	--	--	--
G0291	205	0.1	5	--	--	--	--
G0292	205	0.3	10	--	--	--	--
G0293	205	0.1	5	--	--	--	--
G0294	205	0.1	10	--	--	--	--
G0295	205	0.1	20	--	--	--	--
G0296	205	0.1	15	--	--	--	--
G0297	205	0.1	5	--	--	--	--
G0298	205	0.1	15	--	--	--	--
G0299	205	0.1	15	--	--	--	--
G0300	205	0.1	20	--	--	--	--
G0301	205	0.1	25	--	--	--	--
G0302	205	0.2	160	--	--	--	--
G0303	205	0.2	50	--	--	--	--
G0304	205	0.1	65	--	--	--	--
G0305	205	0.4	20	--	--	--	--
G0306	205	0.2	5	--	--	--	--
G0307	205	0.3	5	--	--	--	--
G0308	205	1.0	10	--	--	--	--
G0309	205	0.3	25	--	--	--	--
G0310	205	0.4	15	--	--	--	--
G0311	205	0.2	25	--	--	--	--
G0312	205	0.1	5	--	--	--	--
G0313	205	0.1	5	--	--	--	--
G0314	205	0.1	10	--	--	--	--
G0315	205	0.1	5	--	--	--	--
G0316	205	0.1	5	--	--	--	--
G0317	205	1.8	5	--	--	--	--
G0318	205	0.3	165	--	--	--	--
G0319	205	0.1	25	--	--	--	--
G0320	205	0.2	60	--	--	--	--
G0321	205	0.2	10	--	--	--	--
G0322	205	0.1	5	--	--	--	--

Certified by *Hart Bichler*





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CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

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• GEOCHEMISTS

• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : RIOCANEX INC.

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

CERT. # : A8315151-003-A
INVOICE # : I8315151
DATE : 11-CCT-83
P.C. # : NCNE
8607

ATTN: H. BRYAN

Sample description	Prep code	Ag ppr	Au ppb FA+AA				
G0323	205	0.2	55	--	--	--	--
G0324	205	0.2	20	--	--	--	--
G0325	205	0.1	10	--	--	--	--
G0326	205	0.3	40	--	--	--	--
G0327	205	0.2	10	--	--	--	--
G0328	205	0.1	5	--	--	--	--
G0329	205	0.4	5	--	--	--	--
G0330	205	0.1	60	--	--	--	--
G0331	205	0.8	255	--	--	--	--
G0332	205	0.1	10	--	--	--	--
G0333	205	0.1	10	--	--	--	--
G0334	205	0.2	5	--	--	--	--
G0335	205	0.1	40	--	--	--	--
G0336	205	0.2	15	--	--	--	--
G0337	205	0.1	5	--	--	--	--
G0338	205	0.1	15	--	--	--	--
G0339	205	1.0	35	--	--	--	--
G0340	205	0.1	10	--	--	--	--
G0341	205	0.7	25	--	--	--	--
G0342	205	0.1	10	--	--	--	--
G0343	205	0.1	35	--	--	--	--
G0344	205	0.1	15	--	--	--	--
G0345	205	0.1	5	--	--	--	--
G0346	205	0.1	25	--	--	--	--
G0347	205	0.1	15	--	--	--	--
G0348	205	0.1	10	--	--	--	--
G0349	205	0.1	45	--	--	--	--
G0350	205	0.6	55	--	--	--	--
G0351	205	0.1	30	--	--	--	--
G0352	205	0.1	15	--	--	--	--
G0353	205	0.8	20	--	--	--	--
G0354	205	2.1	95	--	--	--	--
G0355	205	1.1	150	--	--	--	--
G0356	205	0.1	40	--	--	--	--
G0357	205	0.1	20	--	--	--	--
G0358	205	0.1	5	--	--	--	--
G0359	205	0.1	5	--	--	--	--
G0360	205	0.1	15	--	--	--	--
G0361	205	0.1	25	--	--	--	--
G0362	205	0.1	10	--	--	--	--

Certified by *Hart Bichler*





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• REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221
TELEX: 043-52597

CERTIFICATE OF ANALYSIS

TO : RICCANEX INC.

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

CERT. # : A8315151-004-A
INVOICE # : I8315151
DATE : 11-CCT-83
P.C. # : NONE
8607

ATTN: H. BRYAN

Sample description	Prep code	Ag ppm	Au ppb FA+AA				
G0363	205	1.4	35	--	--	--	--
G0364	205	0.3	65	--	--	--	--
G0365	205	0.1	10	--	--	--	--
G0366	205	0.1	10	--	--	--	--
G0367	205	0.2	5	--	--	--	--
G0368	205	0.5	20	--	--	--	--
G0369	205	0.7	20	--	--	--	--
G0370	205	4.2	500	--	--	--	--
G0371	205	1.0	45	--	--	--	--
G0372	205	0.1	15	--	--	--	--
G0373	205	0.1	10	--	--	--	--
G0374	205	0.1	25	--	--	--	--
G0375	205	0.1	5	--	--	--	--
G0376	205	0.1	10	--	--	--	--
G0377	205	0.2	5	--	--	--	--
G0378	205	0.1	5	--	--	--	--
G0379	205	65.0	9700	--	--	--	--
G0380	205	1.1	70	--	--	--	--
G0381	205	7.2	725	--	--	--	--
G0382	205	1.1	50	--	--	--	--
G0383	205	0.1	10	--	--	--	--
G0384	205	2.7	40	--	--	--	--
G0385	205	1.9	40	--	--	--	--
G0386	205	0.3	5	--	--	--	--
G0387	205	1.5	35	--	--	--	--



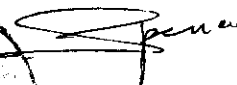
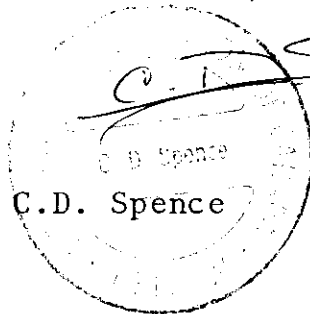
Certified by *Hart Bickler*

APPENDIX C

STATEMENT OF
QUALIFICATIONS

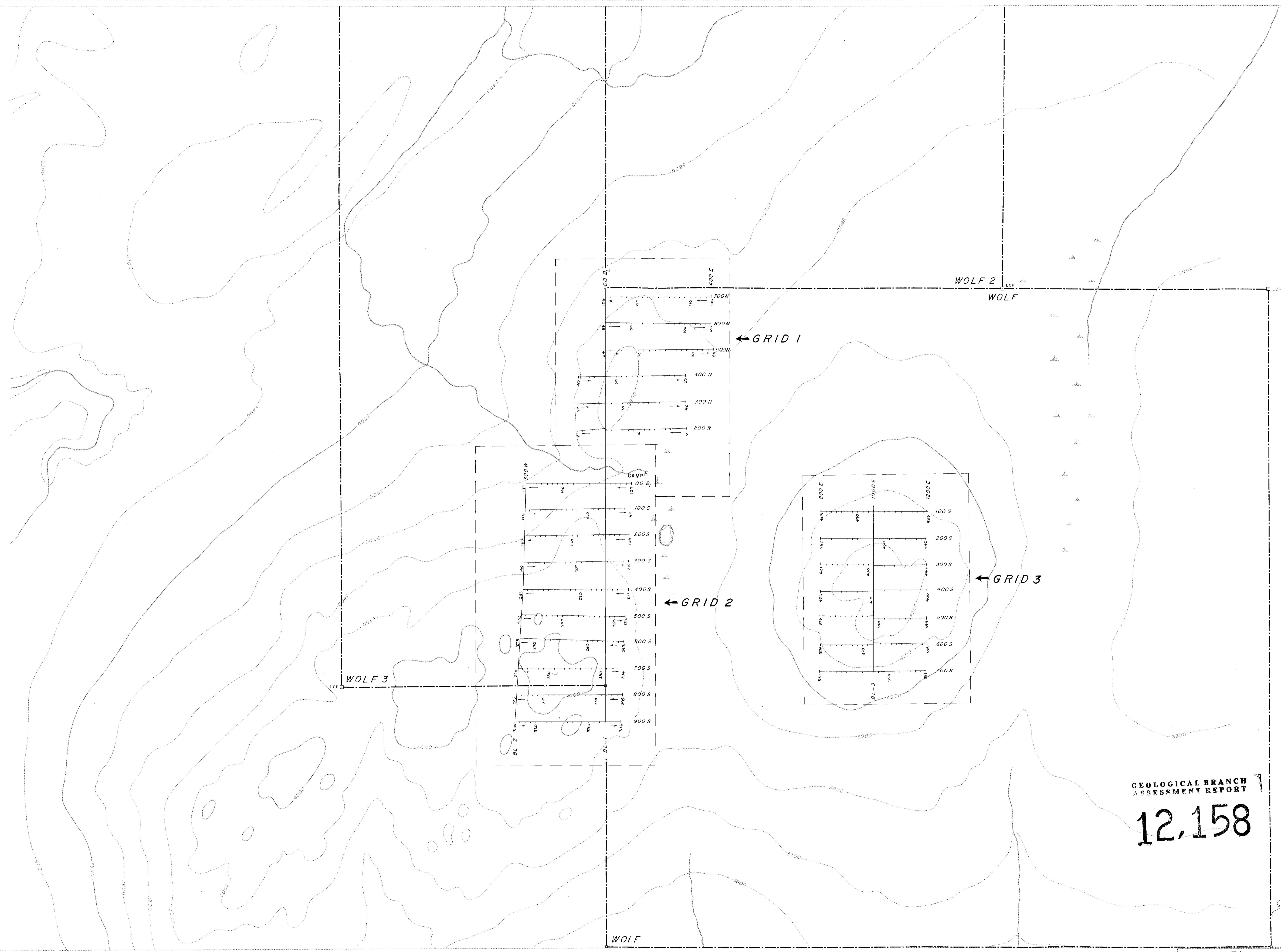
STATEMENT OF QUALIFICATIONS

1. I am a geologist residing at 675 Burley Drive, West Vancouver, B.C. and am employed by Riocanex Inc. of Suite 520, 800 West Pender Street, Vancouver, B.C.
2. I graduated from the Royal School of Mines, London, England in 1955 with a B.Sc. Honours (Special) in Mining Geology and have practised my profession since then.
3. I have worked for Riocanex and associated companies since July 1955 in several provinces in Canada and in B.C. since 1974 as Manager, Western Canada of Riocanex.
4. I am a Fellow of the Geological Association of Canada and a Member of the Canadian Institute of Mining and Metallurgy.
5. I supervised the program of soil and rock geochemical sampling carried out from September 4 to September 22, 1983 on the Wolf claims.



C.D. Spence

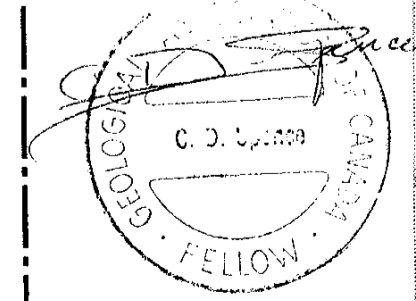
Vancouver
British Columbia

March, 1984



GEOLOGICAL BRANCH
ASSESSMENT REPORT

12.158



Riocanex Inc.

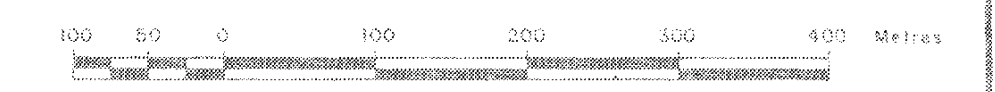
WOLF CLAIMS

GEOCHEMISTRY
GRID LOCATIONS

LEGEND

Soil Sample (prefixed by W)

NTS 93F/3
SCALE 1:5000



DATE AUG. 1983 DRAWN BY /dog

GC 8019



OOTSJA LAKE GROUP

1a Dacitic Crystal Tuffs; pale green to tan or chalky white. Large K-spar phenocrysts up to 1cm are common and characteristic of this unit. Feldspars are generally fractured. Moderate argillitic alteration-mafics rarely visible.

1b Rhyodacitic Crystal Tuffs; characteristic maroon colour and generally unaltered. Feldspar phenocrysts up to 5mm long are highly abundant. Few quartz phenocrysts. Homogenous - no bedding or welding structures.

1c Welded Rhyodacite Tuffs; commonly shows flow banding and 1-2mm quartz-eyes. Fine-grained pink, grey or yellowish ash matrix.

1d Lapilli Tuffs; light coloured rhyodacitic lapilli fragments with medium to dark grey ash matrix. Minor coal fragments. Dark chalcidony in places.

1e Ash Tuffs; tan to chalky white, slightly to moderately altered. No quartz-eyes. Brecciated and silicified in places.

w 482

371

LEGEND

- Brec Brecciated
- Sil Silicification and/or quartz fractures
- Py Disseminated pyrite
- Alt Alteration

Soil Sample (Ag ppm, Au ppb)

Rock-Chip Sample (Ag ppm, Au ppb) Prefixed by G O

NTS 93°/3 SCALE 1:1,000



GEOLOGICAL BRANCH ASSESSMENT REPORT

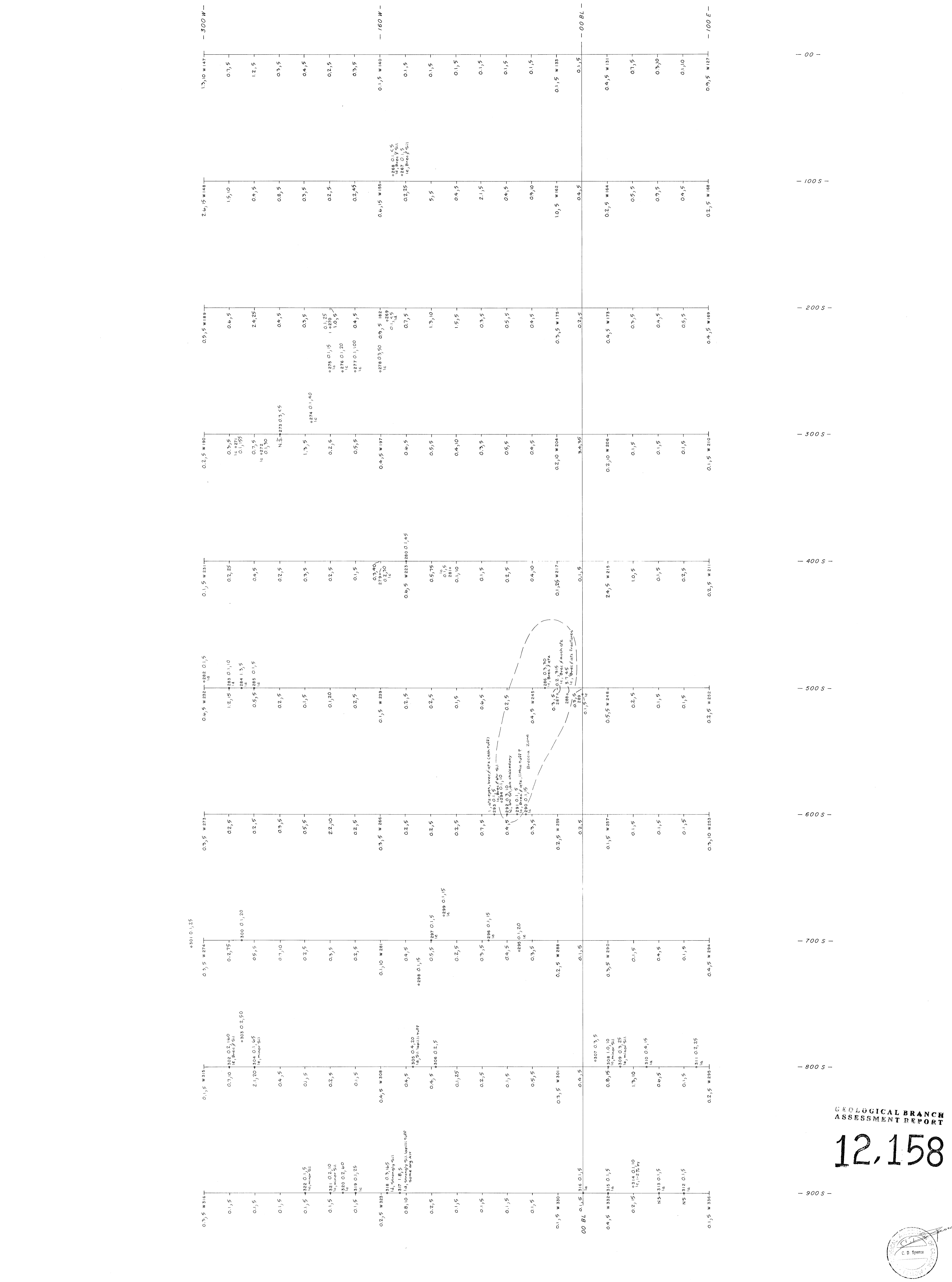
12,158

Riocanex Inc.

WOLF CLAIMS

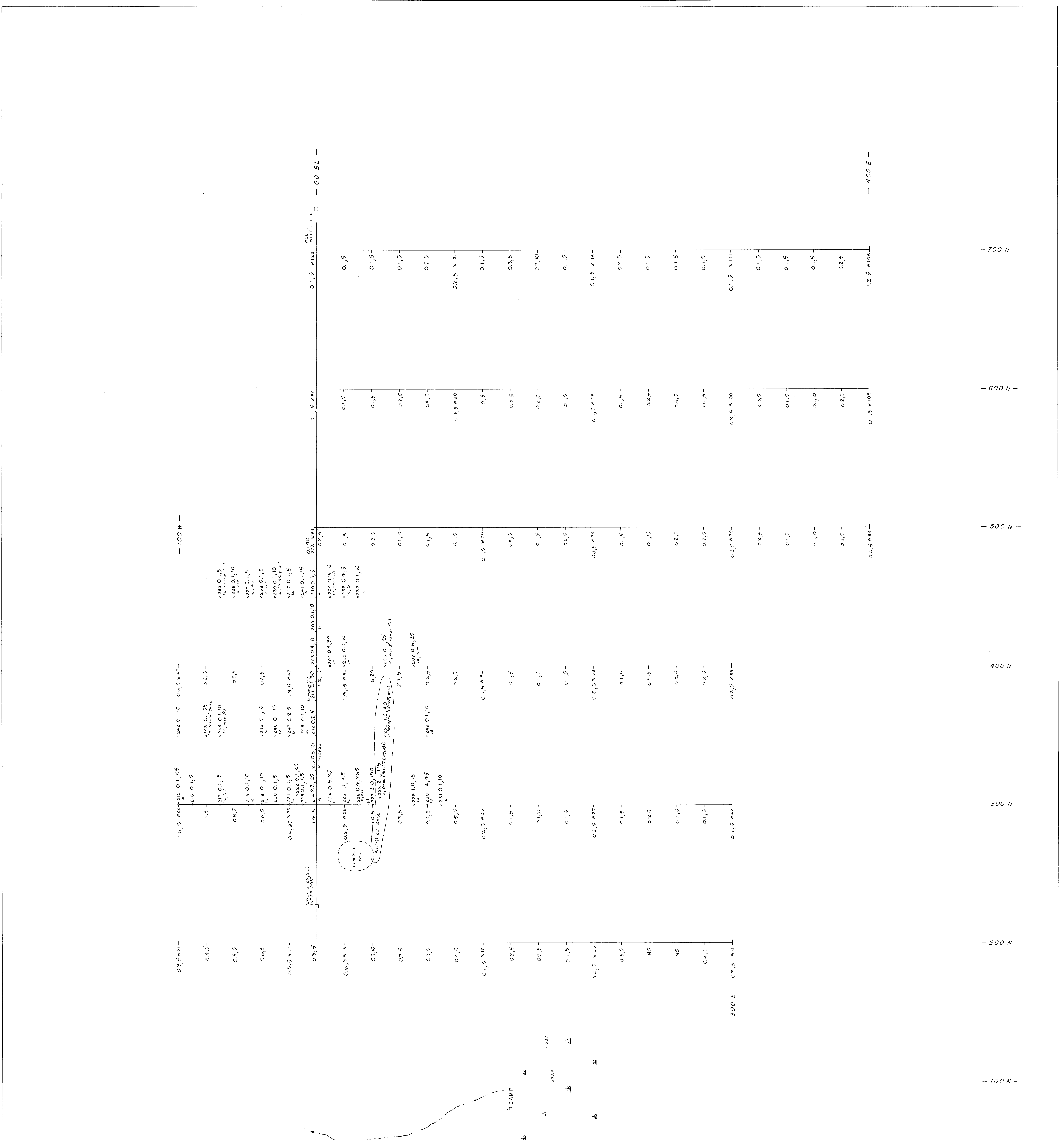
GRID 2 - SOIL, ROCK SAMPLES Ag ppm, Au ppb

DATE: AUG. 1983 DRAWN BY: RMC/dag DWG: GC 8020



— 00 —
 — 100 S —
 — 200 S —
 — 300 S —
 — 400 S —
 — 500 S —
 — 600 S —
 — 700 S —
 — 800 S —
 — 900 S —

1,3,10 W 147 — 300 W —
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GEOLOGICAL BRANCH
ASSESSMENT REPORT
12,158

00TSA LAKE GROUP

1a Dacitic Crystal Tuffs; pale green to tan or chalky white. Large K-spar phenocrysts up to 1cm are common and characteristic of this unit. Feldspars are generally fractured. Moderate argillic alteration-mafics rarely visible.

1b Rhyodacitic Crystal Tuffs; characteristic maroon colour and generally unaltered. Feldspar phenocrysts up to 5mm long are highly abundant. Few quartz phenocrysts. Homogenous - no bedding or welding structures.

1c Welded Rhyodacite Tuffs; commonly shows flow banding and 1-2mm quartz-eyes. Fine-grained pink, grey or yellowish ash matrix.

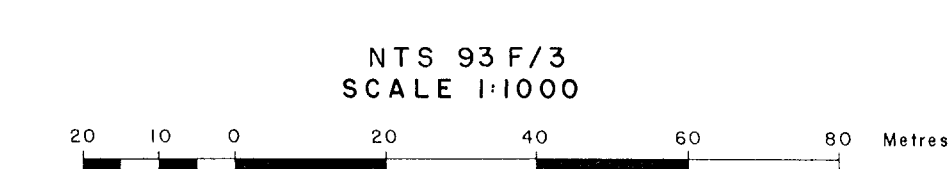
1d Lapilli Tuffs; light coloured rhyodacitic lapilli fragments with medium to dark grey ash matrix. Minor coal fragments. Dark chalcodony in places.

1e Ash Tuffs; tan to chalky white, slightly to moderately altered. No quartz-eyes. Brecciated and silicified in places.

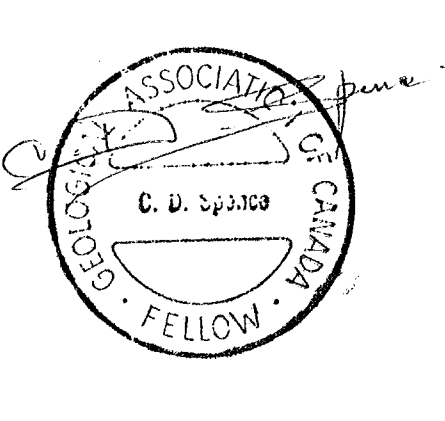
LEGEND

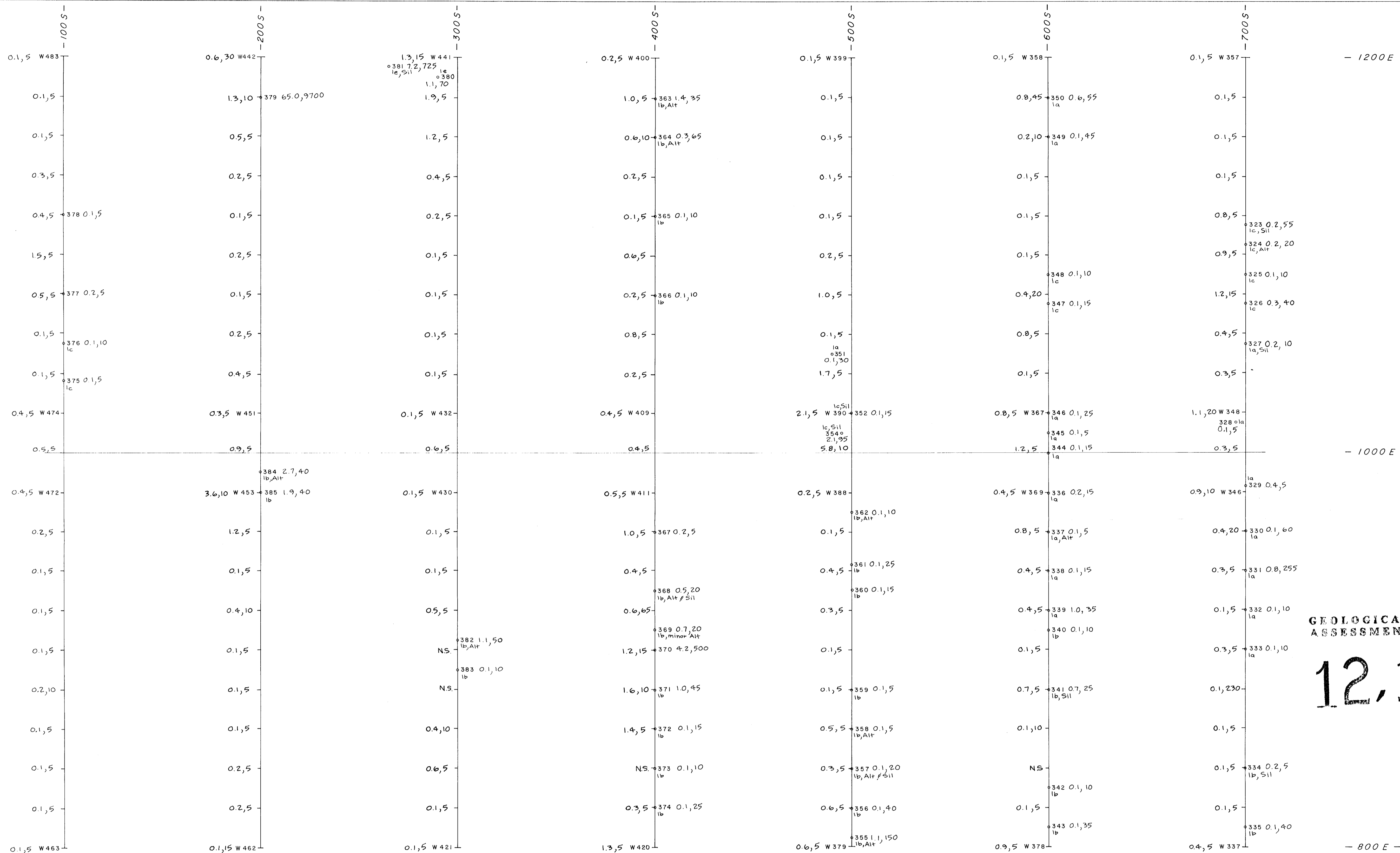
Brec Brecciated
Sill Silification and/or quartz fractures
Py Disseminated pyrite
Alt Alteration

Soil Sample (Ag ppm, Au ppb)
Rock-Chip Sample (Ag ppm, Au ppb)
Prefixed by G O



Riocanex Inc.		
WOLF CLAIMS		
GRID I - SOIL, ROCK SAMPLES Ag ppm, Au ppb		
DATE AUG. 1983	DRAWN BY RMC/dag	DWG. GC 8021





GEOLOGICAL BRANCH
ASSESSMENT REPORT

12,158

OOTSA LAKE GROUP

1a Dacitic Crystal Tuffs; pale green to tan or chalky white. Large K-spar phenocrysts up to 1cm are common and characteristic of this Unit. Feldspars are generally fractured. Moderate argillic alteration-mafics rarely visible.

1b Rhyodacitic Crystal Tuffs; characteristic maroon colour and generally unaltered. Feldspar phenocrysts up to 5mm long are highly abundant. Few quartz phenocrysts. Homogenous - no bedding or welding structures.

1c Welded Rhyodacite Tuffs; commonly shows flow banding and 1-2mm quartz-eyes. Fine-grained pink, grey or yellowish ash matrix.

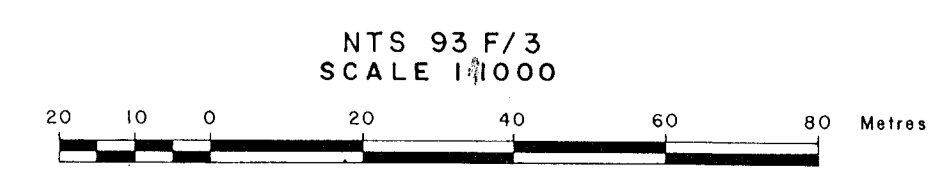
1d Lapilli Tuffs; light coloured rhyodacitic lapilli fragments with medium to dark grey ash matrix. Minor coal fragments. Dark chalcedony in places.

1e Ash Tuffs; tan to chalky white, slightly to moderately altered. No quartz-eyes. Brecciated and silicified in places.

LEGEND

Brec Brecciated
Sil Silification and/or quartz fractures
Py Disseminated pyrite
Alt Alteration

Soil Sample (Ag ppm, Au ppb)
Rock-Chip Sample (Ag ppm, Au ppb)
Prefixed by G O

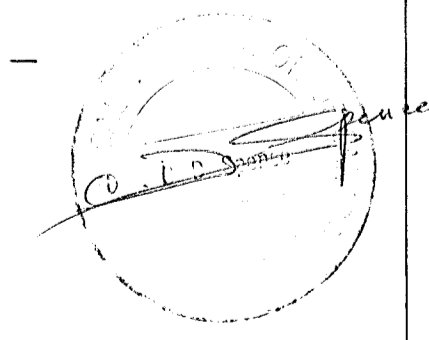


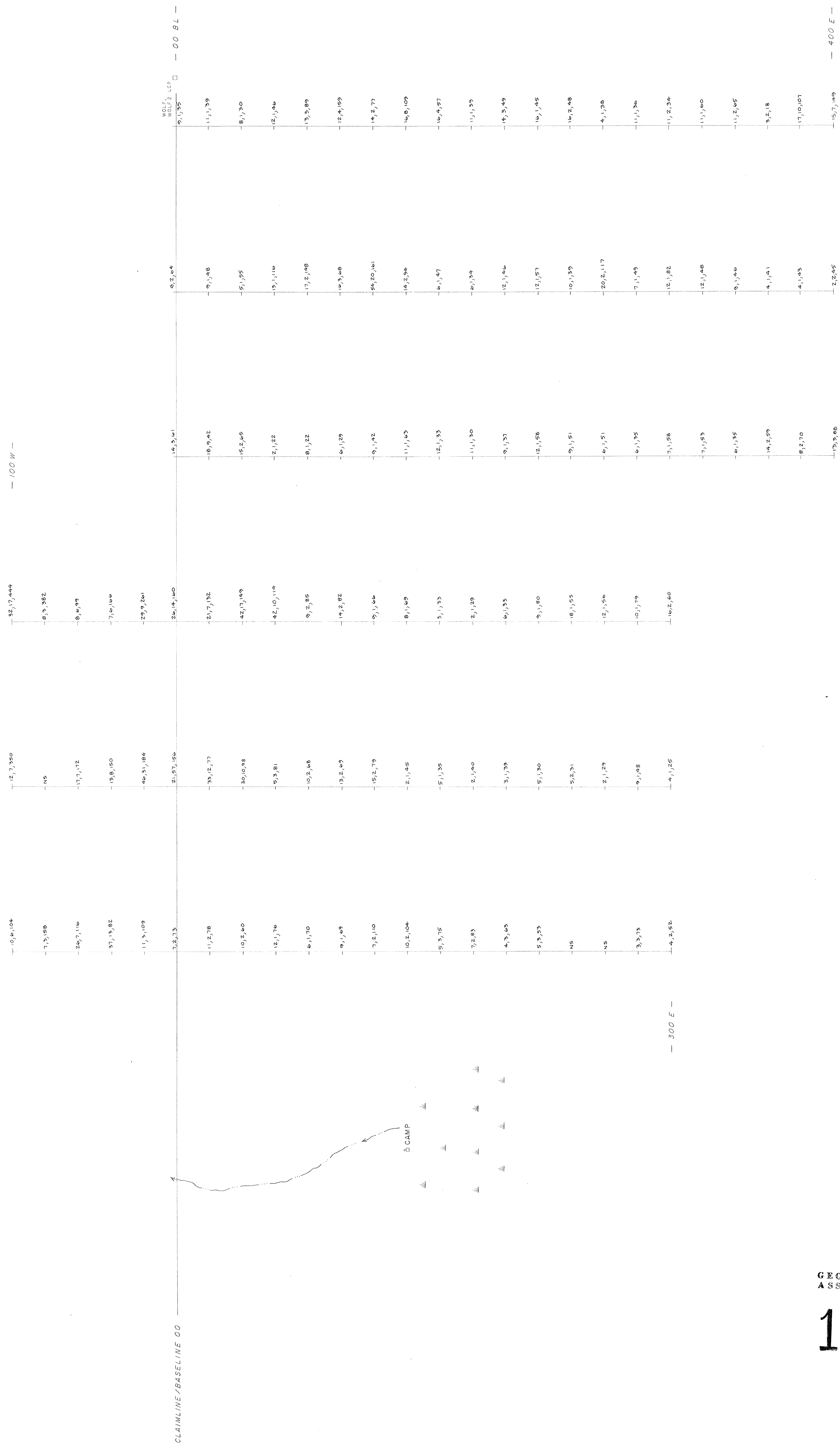
Riocanex Inc.

WOLF CLAIMS

GRID 3 - SOIL, ROCK SAMPLES
Ag ppm, Au ppb

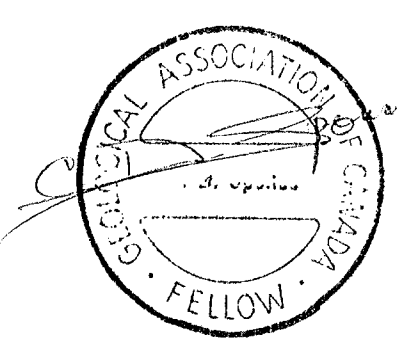
DATE AUG. 1983	DRAWN BY RMC / dag	DWG. GC 7633
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GEOLOGICAL BRANCH - 00 -
ASSESSMENT REPORT

12,158

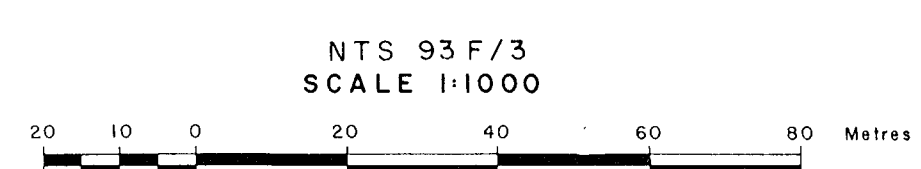


Riocanex Inc.

WOLF CLAIMS

GRID I - SOIL SAMPLES
As, Mo, Zn ppm

DATE: MARCH 1984 DRAWN BY: RMC/dag EDWG: GC 8027

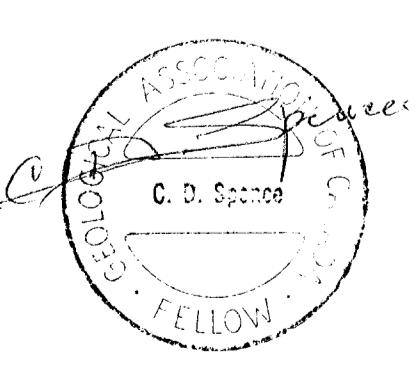


15,3,64	11,3,56	10,2,71	7,1,31	11,2,104	6,2,82	8,3,204	11,2,122	24,5,110	13,2,72
12,2,71	10,2,71	10,4,62	9,1,98	11,4,194	7,1,83	8,2,125	19,4,151	16,4,102	10,2,63
9,2,95	14,3,90	8,1,71	14,2,44	5,2,162	7,1,100	12,3,70	52,8,266	8,1,97	10,3,117
13,3,99	11,3,137	11,1,45	12,1,56	9,1,57	8,1,73	NS	19,2,134	17,4,149	14,1,101
10,3,69	9,1,10	7,1,75	10,1,17	11,1,42	15,2,102	17,3,177	8,1,143	12,2,76	8,1,97
11,2,68	10,2,52	6,1,75	20,1,121	10,1,59	17,4,62	16,3,110	27,3,116	11,1,92	14,3,105
14,3,68	9,2,90	6,1,65	10,2,49	12,2,93	9,2,175	8,2,93	14,3,101	4,2,62	4,2,17
14,6,153	8,1,46	7,1,63	15,2,24	7,1,62	16,3,135	6,2,84	12,2,187	29,4,189	13,2,116
29,2,283	8,2,107	8,3,61	8,1,49	6,2,91	16,4,121	11,3,99	25,5,147	9,3,88	23,3,126
8,3,55	7,3,24	8,2,96	11,1,48	7,1,98	23,3,96	6,2,155	27,6,82	14,2,143	20,2,62
9,3,32	11,2,48	8,1,67	10,1,54	12,1,29	7,1,59	10,2,116	25,6,118	8,3,65	10,2,125
8,2,56	6,1,68	6,1,81	20,3,83	3,1,68	9,2,68	12,2,159	3,1,68	17,3,131	14,1,101
7,1,18	5,1,49	4,1,95	9,2,63	13,2,65	9,1,82	7,2,204	7,1,99	8,2,117	13,1,78
9,2,17	13,3,67	7,2,82	10,1,46	5,1,64	6,1,80	8,3,17	11,2,66	25,4,103	12,2,109
15,2,142	10,1,98	6,1,53	8,1,49	11,2,80	7,1,37	13,3,64	11,2,50	20,3,78	10,2,33
6,2,185	11,3,103	7,2,38	12,1,54	9,3,118	8,1,31	32,12,148	14,2,87	11,2,76	14,3,76
9,2,151	22,12,96	4,2,68	11,1,52	5,1,92	3,6,91	7,1,46	8,1,57	10,1,42	20,3,43
14,4,121	19,4,87	7,1,20	11,1,56	6,1,37	8,2,97	13,3,44	13,1,43	13,5,52	20,7,69
NS	22,5,134	24,4,159	10,1,48	8,1,81	4,2,26	11,2,22	13,1,80	23,1,113	24,4,55
NS	27,8,125	13,4,93	10,1,44	11,1,52	6,2,82	6,2,78	10,1,72	14,2,65	21,4,62
5,2,234	29,6,164	20,4,100	18,5,54	10,2,55	7,2,35	5,1,59	8,1,71	12,2,60	13,2,119

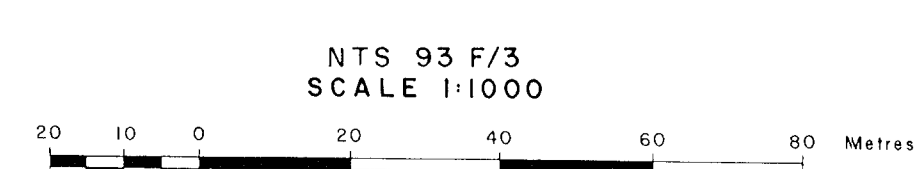
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GEOLOGICAL BRANCH
ASSESSMENT REPORT

12,158



Riocanex Inc.		
WOLF CLAIMS		
GRID 2 - SOIL SAMPLES		
As, Mo, Zn ppm		
DATE	DRAWN BY	DWG.
MARCH 1984	RMC/dag	GC 8028



100 S	200 S	300 S	400 S	500 S	600 S	700 S
6,1,28	15,2,61	12,4,69	11,1,83	5,1,47	17,1,237	8,1,134
4,2,43	12,3,74	3,3,68	10,2,107	9,1,68	26,7,142	7,1,193
11,2,37	12,1,77	10,2,75	11,2,105	8,1,44	13,2,106	12,1,182
19,2,43	7,2,51	9,2,65	7,1,71	6,1,50	8,1,80	7,1,164
10,2,111	11,1,35	17,4,139	13,2,120	13,1,42	7,1,101	17,2,179
11,13,152	8,2,51	7,2,62	10,2,82	12,1,126	5,1,169	10,1,141
20,4,119	5,1,55	7,1,74	11,2,96	9,1,155	24,5,208	19,2,124
10,2,34	13,2,88	11,2,50	4,2,135	5,2,84	11,1,86	12,1,134
19,3,70	16,2,45	11,2,47	8,1,41	16,3,160	2,1,128	10,1,132
9,2,63	5,3,87	11,2,47	7,2,101	17,2,127	28,4,375	22,1,141
16,2,52	14,3,56	8,3,136	9,2,53	14,6,115	18,3,198	13,1,88
24,3,52	23,4,55	10,3,68	25,3,93	7,2,100	15,2,155	24,3,152
14,3,60	37,5,130	11,3,136	14,3,87	20,4,166	15,2,184	18,1,190
18,5,75	20,3,76	17,4,113	5,2,94	9,1,162	4,1,135	13,1,76
15,3,108	9,2,100	17,3,108	17,5,46	13,2,126	13,2,84	10,1,111
9,2,50	6,2,71	NS	34,1,147	9,1,144	12,2,101	19,4,289
10,2,55	8,2,62	NS	15,3,125	18,3,267	11,2,144	2,4,228
7,1,30	6,2,47	22,4,213	20,4,147	13,4,176	9,2,157	10,1,175
2,1,30	2,2,33	18,3,203	NS	19,2,154	NS	8,1,60
14,2,42	19,3,85	9,3,72	13,3,58	14,3,143	13,1,76	10,2,116
10,2,44	13,3,100	9,3,102	49,10,189	14,3,123	10,2,182	8,2,81

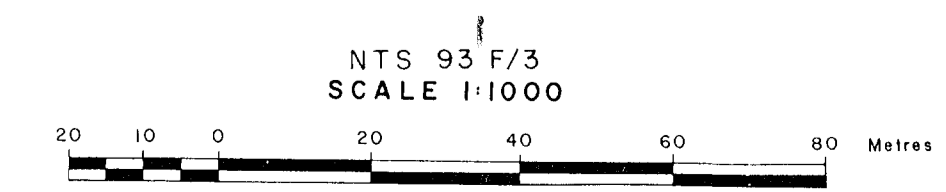
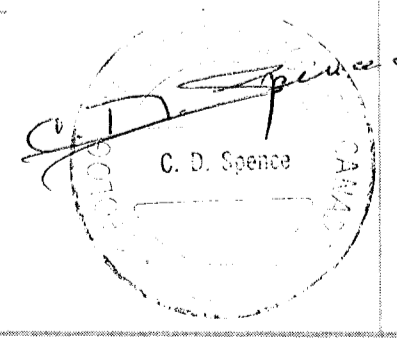
- 1200 E -

- 1000 E (BL-3) -

GEOLOGICAL BRANCH
ASSESSMENT REPORT

12,158

- 800 E -



Riocanex Inc.		
WOLF CLAIMS		
GRID 3 - SOIL SAMPLES		
As, Mo, Zn ppm		
DATE	DRAWN BY	DWG.
MARCH 1984	RMC/dag	GC 7638

NTS 93 F/3
SCALE 1:1000