ASSESSMENT REPORT

SOIL GEOCHEMICAL REPORT ON THE SPROUT 89, ORO 1 AND 2 CLAIMS

NTS 92 I/10
50° 43' NORTH LATITUDE
120° 43' WEST LONGITUDE

KAMLOOPS MINING DIVISION
BRITISH COLUMBIA

FOR

C.R.C. EXPLORATIONS LIMITED
2197 PARK CRESCENT
COQUITLAM, BRITISH COLUMBIA

BY

CRAIG W. PAYNE M.Sc. FGAC

DATE SUBMITTED: SEPTEMBER 21, 1990

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SUMMARY AND CONCLUSIONS

The Sprout Property consists of one claim and two, two post claims totalling 22 units and is located 30 kilometres west of Kamloops in south-central British Columbia. Forestry roads provide access to the eastern part of the property.

The claims are 100% owned by C.R.C. Explorations Limited.

Previous exploration work in the area concentrated on mercury (in the late 1800's) and for copper in the 1970's.

The property is underlain by Nicola Group intermediate to basic volcanic rock intercalated with conglomerate and siltstone. Laterally extensive faulting and brecciation accompanied by quartz porphyry intrusions are believed (in part) responsible for the development of extensive ankeritic alteration zones with chalcedonic veining and quartz stockworks.

A grid totalling 4.9 kilometres was established to further explore the strike potential of known gold mineralization on the property. A total of 162 soil samples were collected at 25 metre stations along grid crosslines. Analytical results of the soil samples indicate three northwesterly trending gold-in-soil anomalies ranging in values from 20ppb to 2,280ppb. These anomalies remain open to the northwest and southeast. Anomalous values of "indicator" elements such as arsenic, mercury, boron, calcium and silver are also coincident with or flank gold anomalies.

Recent exploration work carried out indicates the property has significant potential to host "epithermal style" base and precious metal deposits.

INTRODUCTION

This report is a summary of exploration work carried out on the Sprout 89 and Oro 1 and 2 claims during the period May 8 to 15, 1990. Exploration work consisted of establishing 4.9 kilometres of grid and collection of 162 soil samples.

LOCATION AND ACCESS (Figure 1)

The Sprout property is located approximately 30 kilometres west of Kamloops and eight kilometres southeast of Savona in south-central British Columbia. The property is centered at 50^0 43' north latitude and 120^0 43' west longitude.

Access to the property is via Highway 1 for 30 kilometres west of Kamloops, south on the old Kamloops highway and southwest on forestry roads to the eastern side of the claims.

TOPOGRAPHY AND VEGETATION

Elevations on the property range from about 975 metres in the southern part to 610 metres in the northern part of the claim block. Relief is moderate to steep.

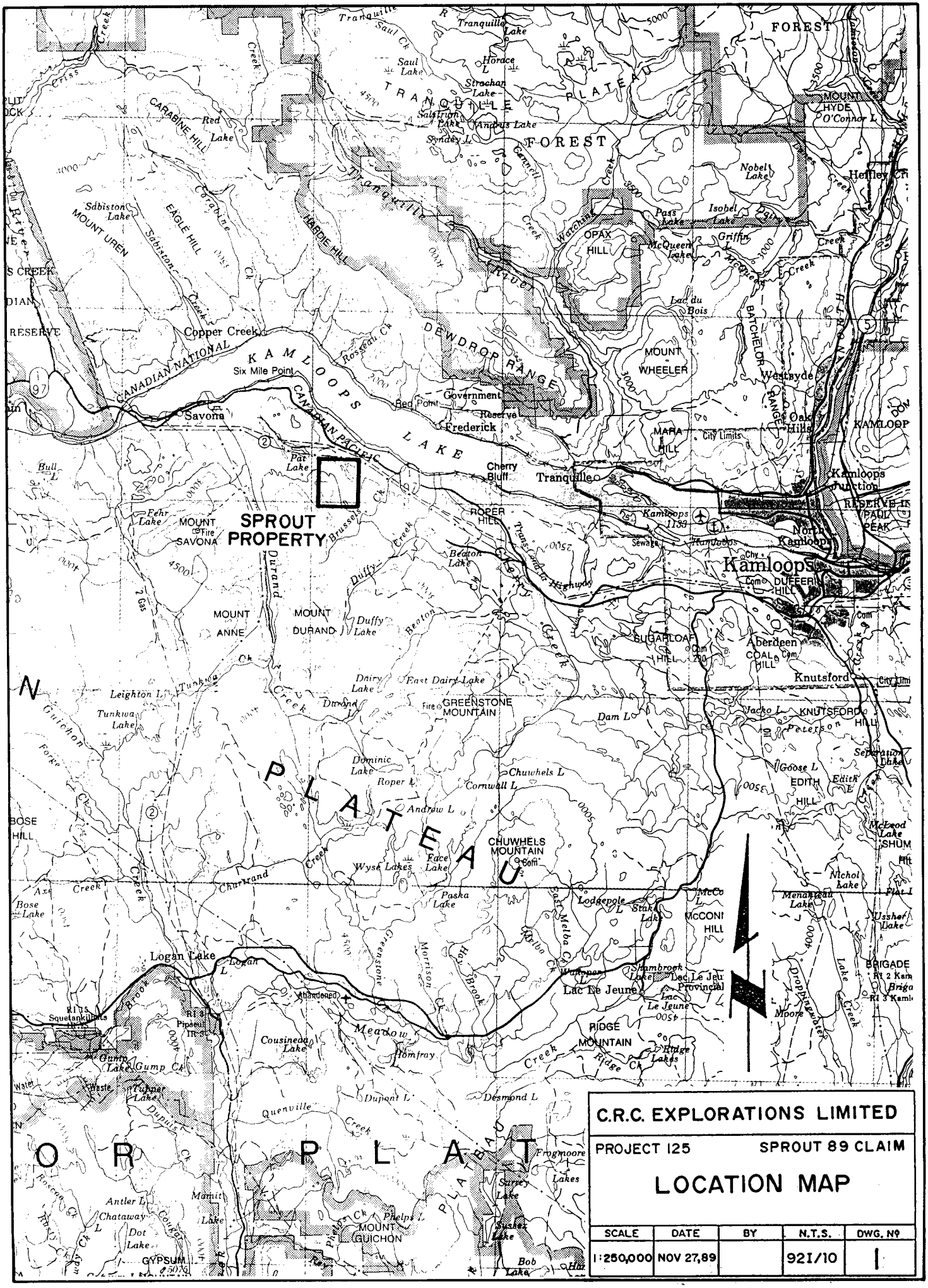
Vegetation is typical of the semi-arid region of the Kamloops area consisting of grasses, sagebrush, ponderosa pine and at higher elevations douglas fir. Much of the mature timber has been selectively logged.

CLAIMS (Figure 2)

The Sprout property consists of one claim and two, two post claims totalling 22 units (550ha). All claims are registered in the name of C.R.C. Explorations Limited.

Claim Name	Record No.	Units	Anniversary Date	Mining Division
Sprout 89	8661	20	July 1, 1992*	Kamloops
Oro 1	8624	1	July 1, 1992*	Kamloops
Oro 2	8625	1	July 1, 1992*	Kamloops

* Subject to acceptance of 1990 assessment work.

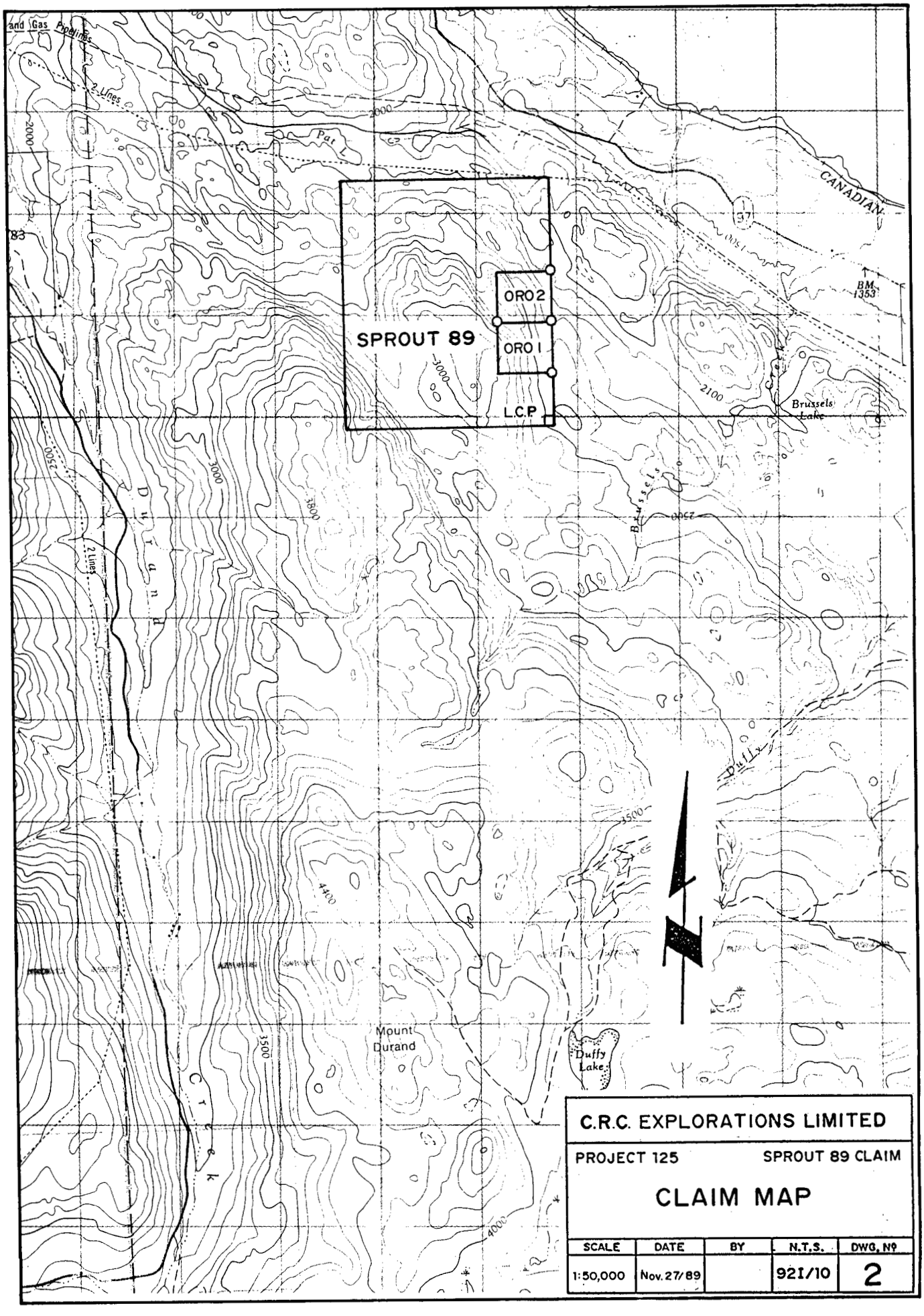


C.R.C. EXPLORATIONS LIMITED

PROJECT 125 SPROUT 89 CLAIM

LOCATION MAP

SCALE	DATE	BY	N.T.S.	DWG. N9
1:250,000	NOV 27,89		92I/10	1



C.R.C. EXPLORATIONS LIMITED

PROJECT 125 SPROUT 89 CLAIM

CLAIM MAP

SCALE	DATE	BY	N.T.S.	DWG. Nº
1:50,000	Nov. 27/89		92I/10	2

HISTORY

The area of the Sprout claims has been explored for mercury, base metals and precious metals since the late 1800's.

The area now covered by the Sprout claim was explored by Newmont Exploration in 1982. Newmont discovered a wide band of altered and silicified volcanics which returned up to 0.23 ounces gold per ton over one metre. Soil sampling on the property outlined zones containing significant mercury values in excess of 1000 ppb. None of Newmont's exploration activity was recorded as assessment work.

REGIONAL GEOLOGY (Figure 3)

The Sprout property is underlain by Upper Triassic, Nicola Group volcanic and minor sedimentary rocks. The volcanic rocks consist of andesite, basalt, agglomerate and tuff. Sedimentary rocks include conglomerate, siltstone, argillite and limestone. The north-northwesterly trending Nicola Group package varies in width up to 40 kilometres and extends some 50 kilometres north of Kamloops Lake and 170 kilometres to the south. Nicola Group rocks are intruded by Jurassic-Cretaceous rocks ranging in composition from granite and syenite to pyroxenite.

Within the Savona area laterally extensive faults have occurred along Deadman River, Sabiston Creek, Carabine Creek and Durand Creek. The Sabiston Creek fault and associated linements pass through the Sprout group of claims.

Early Tertiary syenitic intrusives with related carbonate and siliceous alteration zones are coincident with these linements.

Mercury deposits occur in a belt roughly 14 kilometres wide, extending from Tunkwa/Dominic Lakes in the south to Criss Creek to the north, a distance of some 39 kilometres. Mineralization occurs in Nicola Group rocks as well as Late Cretaceous sedimentary and volcanic rocks. Generally, the rocks exhibit extensive silicification with chalcedonic veining, intense alteration to ankerite and the development of dolomitic veins or stringers in shear and fracture zones. Associated with the cinnabar is stibnite, galena, tetrahedrite, malachite, azurite, chalcopyrite, pyrite and gold.

LOCAL GEOLOGY (Figure 4)

The Sprout property is underlain by northwest trending Upper Triassic, Nicola Group volcanic and sedimentary rocks. The volcanics are predominantly andesite and basalt with intercalated agglomerate (andesite/basalt clasts) and tuffaceous horizons. Locally, three to four metre thick beds of conglomerate and

siltstone outcrop in the central and western part of the property. On the property and to the east, Nicola Group rocks have been intruded by syenitic quartz-eye porphyry stocks and dykes.

1990 WORK PROGRAM

An exploration program of grid establishment totalling 4.9 kilometres and soil geochemical sampling was carried out on the Sprout 89 and Oro 1 & 2 claims. A total of 162 soil samples were collected during the period May 8 to 15, 1990.

GRID ESTABLISHMENT

A metric grid network totalling 4.9 kilometres was established on the Sprout 89 and Oro 1 and 2 claims. Grid lines were established off a baseline 500 metres long with crosslines every 50 metres or 100 metres. Grid coordinates are marked on wooden pickets on crosslines and baseline.

SOIL GEOCHEMICAL SURVEY

Soil samples were collected at 25 metre stations along grid lines spaced 50 metres or 100 metres apart. A total of 162 soil samples were collected. Samples were collected from the B soil horizon at varying depths between 25 centimetres to 35 centimetres. Samples were placed in kraft bags and numbered according to grid coordinates. The samples were shipped to Acme Analytical Laboratories Ltd., Vancouver, B.C. Samples were analysed for 30 elements by ICP methods, gold by atomic absorption and mercury by flameless atomic absorption. Sample preparation is described in Appendix I and soil geochemical results are listed in Appendix II.

Soil Geochemical Results - Gold (Figure 5)

Gold values ranged from 1ppb to 2,280ppb. Anomalous values for gold were visually estimated from the data as follows:

Threshold:	19ppb
Anomalous:	>= 20ppb<= 40ppb
Highly Anomalous:	>= 41ppb

Three gold anomalies are evident from the data.

Anomaly 1 extends for 300 metres from L98+00N, 51+00E to L100+00N, 50+00E and varies in width up to 75 metres. The anomaly is open to the northwest.

Anomaly 2 extends for 100 metres from L95+00N, 53+75E to L96+00N, 52+00E and varies in width from 25 metres to 100 metres. The

anomaly remains open to the southwest. Anomaly 1 and 2 are on strike with each other separated by low order gold values ranging from 4ppb to 14ppb.

Anomaly 3 extends for 250 metres from L98+00N, 53+50E to L100+00N, 52+25E and 53+50E and varies in width from 25 metres to 100 metres. Anomaly 3 appears to contain two subparallel zones. Anomaly 3 remains open to the northwest.

Soil Geochemical Results - Arsenic (Figure 6)

Arsenic values range from 2ppm to 357ppm. Anomalous values were visually estimated from the data as follows:

Threshold:	17ppm
Anomalous:	>= 18ppm<=28ppm
Highly Anomalous:	>= 29ppm

Anomaly 1 extends for 550 metres from L95+00N, 52+50E to L100+00N, 50+00E and varies in width from 25 metres to 75 metres. Anomaly 1 remains open to the northwest and southeast. Anomaly 1 is coincident with or parallels gold anomalies 1 and 2.

Anomaly 2 extends for 350 metres from L97+00N. 54+00E to L100+00N, 52+25E and 53+25E. Anomaly 2 varies in width from 25 metres to 100 metres. Anomaly 2 is coincident with gold anomaly 3.

Soil Geochemical Results - Mercury (Figure 7)

Mercury values range from 50ppb to 16,600ppb. Anomalous values were visually estimated from the data as follows:

Threshold:	499ppb
Anomalous:	>= 500ppb<=1000ppb
Highly Anomalous:	= 1001ppb

Anomaly 1 extends for 350 metres from L97+00N, 51+50E to L100+00N, 50+00E and varies in width from 25 metres to 50 metres. Anomaly 1 remains open to the northwest. Anomaly 1 is coincident with gold anomaly 1 and arsenic anomaly 1.

Anomaly 2 extends for 250 metres from L97+00N, 53+25E to L99+00N, 53+00E and varies in width from 50 metre to 200 metres. This anomaly is in part coincident with gold anomaly 3.

Anomaly 3 extends for 200 metres from L98+50N, 55+00E to 100+00N, 55+75E and varies in width from 25 metres to 75 metres. This anomaly remains open to the north. No explaination was found for this anomaly.

Anomaly 4 extends for 100 metres from L95+00N, 53+00E to L96+00N, 52+75E and varies in width from 25 metres to 150 metres. Anomaly

4 remains open to the south. Anomaly 4 is coincident with gold anomaly 2.

Anomalous values of boron, calcium and silver are also coincident with or flank anomalous gold values.

RECOMMENDATIONS

Based on the encouraging results from the property to date, a staged exploration program is recommended.

Stage 1

The existing grid should be expanded to the northwest and southeast. Approximately 15 kilometres of grid lines spaced 100 metres apart with stations every 25 metres along the crosslines. B horizon soil sampling should be carried out along the grid lines with samples analysed for 30 elements (ICP) including gold and mercury. Magnetometer and VLF-EM survey should also be carried out to aid in geological mapping and the definition of the faults. The property should be geologically mapped and prospected in detail. Several test lines of induced polarization should be carried out over areas of known mineralization to determine if this geophysical technique helps define targets to be drill tested.

Stage 2

If Stage 1 defines further anomalous soil geochemical and geophysical targets, a diamond drill program should be carried out. The initial drill program should consist of 1000 metres of NQWL drilling.

Craig W. Payne M.Sc FGAC
September 10, 1990

ITEMIZED COST STATEMENT

Grid establishment and soil sampling		
4.9 km at $262.06 per km		$1,284.10
Assays/Geochem		
162 samples at $11.95 per sample		$1,935.90
Salaries		
4 days during the period May 8 to 15, 1990		
Danny Arduwie at $110.00 per day	$440.00	
Brad Pochay at $110.00 per day	$440.00	
		$880.00
Truck Rental		
4 days at $50.00 per day		$200.00
Assessment Report and Drafting		$500.00
	TOTAL	$4,800.00

Craig W. Payne M.Sc.

STATEMENT OF QUALIFICATIONS

I, Craig W. Payne of Coquitlam, British Columbia do hereby certify that:

1. I am a graduate of Brock University, St. Catharines, Ontario with a Master of Science degree in Geological Sciences, 1978.

2. I am a Fellow of the Geological Association of Canada.

3. I have practiced my profession since 1972.

4. I am a consulting geologist with Promin Explorations Limited.

5. I am the author of the report entitled "Soil Geochemical Report on the Sprout 89, Oro 1 and 2 Claims; dated: September 10, 1990.

Dated at Coquitlam, B.C. this 10th day of September, 1990

Respectfully submitted,

Craig W. Payne M.Sc.

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APPENDIX I

SAMPLE PREPARATION

SAMPLE PREPARATION

Soil samples are dried at 60^0 celcius and sieved to minus 80 mesh. A 0.5 gram sample is digested with 3mls 3-1-2 $HCl-HNO_3-H_2O$ at 95^0 celcius for one hour and diluted with water. This leach is near total for base metals, partial for rock forming elements and very slight for refractory elements. Solubility limits Ag, Pb, Sb, Bi, W for high grade samples.

Soil samples were analysed by ICP methods and a 10gm sample was analysed for gold using atomic absorption. A 10gm sample was also used for mercury and analysed by flameless atomic absorption.

Rock samples are crushed to approximately 0.5cm and then approximately half of the sample is ground to -100 mesh. A 20gm sample is digested as described above for soils.

Rock samples were analysed by ICP methods execpt gold which was analysed by atomic absorption and mercury by flameless atomic absorption.

APPENDIX II

GEOCHEMICAL ANALYSIS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Promin Explorations Ltd. PROJECT 125 File # 90-1616 Page 1

2197 Park Crescent, Port Coquitlam BC V3J 6T1

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	Au* ppb
L100+00N 50+00E	1	124	30	84	1.7	23	15	478	3.81	54	5	ND	1	146	.2	5	2	63	9.54	.066	9	22	.64	697	.02	17	1.34	.01	.21	1	630
L100+00N 50+25E	1	144	8	89	.4	14	15	435	5.13	24	5	ND	1	68	.2	4	2	79	2.11	.053	8	16	.51	837	.03	15	1.75	.01	.42	1	56
L100+00N 50+75E	1	32	6	133	.2	9	8	712	2.52	2	5	ND	1	53	.3	2	2	36	.55	.044	5	15	.33	283	.08	13	1.63	.01	.23	1	6
L100+00N 51+00E	1	42	10	56	.3	20	13	551	3.90	6	5	ND	1	163	.2	2	2	64	.95	.029	8	37	1.96	102	.14	19	2.18	.02	.16	1	5
L100+00N 51+25E	1	42	16	94	.1	15	10	548	3.58	4	5	ND	1	45	.2	2	2	68	.58	.035	11	27	.51	352	.14	5	2.06	.01	.22	1	11
L100+00N 51+50E	1	107	4	96	.1	20	13	424	5.36	8	5	ND	1	36	.2	3	2	99	.81	.050	8	27	.58	583	.11	4	2.33	.01	.22	1	14
L100+00N 51+75E	1	47	2	121	.1	17	10	643	4.02	6	5	ND	1	40	.4	2	2	66	.64	.035	11	29	.48	533	.13	7	2.59	.01	.29	1	4
L100+00N 52+00E	1	60	4	78	.1	14	9	348	4.95	7	5	ND	1	31	.2	2	2	67	.67	.049	16	25	.59	508	.09	2	2.52	.01	.24	1	3
L100+00N 52+25E	1	41	14	97	.1	12	10	572	4.02	60	5	ND	1	28	.2	7	2	54	.51	.036	11	18	.40	337	.08	7	1.75	.01	.23	1	73
L100+00N 52+50E	1	42	8	70	.1	11	9	313	3.75	21	5	ND	1	24	.2	3	2	64	.43	.039	10	22	.35	284	.10	2	1.65	.01	.19	1	39
L100+00N 52+75E	1	27	9	161	.1	10	7	428	3.15	4	5	ND	1	37	.2	2	2	34	.54	.036	6	17	.36	366	.09	12	2.28	.01	.33	1	3
L100+00N 53+00E	1	31	9	54	.1	9	8	474	3.02	4	5	ND	1	44	.2	3	2	49	.71	.029	8	17	.37	251	.09	4	1.66	.01	.19	1	1
L100+00N 53+25E	1	212	50	101	1.8	16	20	905	5.01	62	5	ND	1	83	.7	34	3	61	4.17	.181	8	17	.47	904	.03	17	1.49	.01	.25	1	590
L100+00N 53+50E	1	75	37	178	.3	15	11	470	4.74	14	5	ND	1	42	.2	9	2	49	.93	.043	8	26	.56	320	.11	14	2.60	.02	.39	1	88
L100+00N 53+75E	1	85	6	112	.1	11	12	470	4.68	10	5	ND	1	34	.2	4	2	62	.75	.040	10	21	.58	298	.07	10	2.16	.01	.37	1	34
L100+00N 54+00E	1	30	4	140	.1	7	8	390	3.02	2	5	ND	1	36	.2	2	2	40	.62	.036	6	17	.43	226	.09	11	1.84	.01	.31	1	12
L100+00N 54+25E	1	85	8	81	.1	11	10	365	4.38	7	5	ND	1	39	.2	2	2	50	.73	.052	9	19	.37	521	.05	7	1.96	.01	.35	1	8
L100+00N 54+50E	1	81	8	70	.1	21	11	467	4.56	5	5	ND	1	42	.2	3	2	79	.76	.037	10	37	.63	299	.13	7	2.26	.01	.27	1	15
L100+00N 54+75E	1	68	10	83	.1	13	9	525	3.17	2	5	ND	1	26	.2	2	2	48	.46	.029	10	18	.52	270	.07	5	1.90	.01	.18	4	2
L100+00N 55+00E BL	1	66	12	78	.1	19	9	364	3.96	2	5	ND	1	33	.2	2	2	63	.68	.037	9	26	.52	392	.11	6	2.12	.01	.19	6	18
L100+00N 55+25E	1	86	12	87	.1	14	9	377	4.58	3	5	ND	1	35	.2	2	2	71	.75	.078	9	23	.54	433	.08	7	1.85	.01	.29	1	5
L100+00N 55+50E	1	79	9	71	.1	34	13	551	4.52	6	5	ND	1	32	.2	2	5	79	.78	.047	10	63	.93	266	.12	9	2.48	.01	.23	6	5
L100+00N 55+75E	1	29	4	53	.1	15	7	538	1.97	6	5	ND	1	20	.2	2	2	42	.34	.042	5	19	.37	222	.10	2	1.95	.01	.07	1	5
L100+00N 55+75E (A)	1	71	2	56	.1	28	11	435	3.04	9	5	ND	1	24	.4	9	2	45	.52	.030	5	24	.51	342	.04	5	1.44	.01	.22	1	33
L100+00N 56+00E	1	84	11	76	.1	39	15	543	4.75	11	5	ND	1	39	.2	6	2	80	.82	.044	8	47	.88	345	.12	7	2.11	.02	.26	1	1
L99+50N 50+00E	1	115	13	71	.1	16	14	732	4.74	6	5	ND	1	60	.2	2	3	74	1.68	.056	9	24	.65	398	.08	19	2.11	.01	.46	1	1
L99+50N 50+75E	1	46	5	75	.2	12	10	287	3.30	9	5	ND	1	87	.2	2	2	41	.62	.037	8	21	.52	161	.11	17	2.41	.02	.30	1	3
L99+50N 51+00E	1	49	5	51	.1	27	13	280	3.89	10	5	ND	2	70	.2	2	2	86	.58	.027	13	45	.81	97	.18	12	2.13	.02	.33	1	1
L99+50N 51+25E	1	65	11	73	.1	34	14	409	4.66	15	5	ND	1	51	.2	2	2	91	.78	.071	16	48	.85	162	.19	10	2.73	.02	.30	1	2
L99+50N 51+50E	1	101	12	113	.2	13	12	816	4.92	9	5	ND	2	36	.2	9	2	68	.74	.083	10	19	.48	708	.06	16	2.02	.01	.48	1	2
L99+50N 52+00E	1	37	9	114	.2	8	8	456	3.97	9	5	ND	1	47	.2	3	2	59	1.14	.054	15	16	.45	518	.06	12	2.14	.01	.27	1	1
L99+50N 52+25E	1	34	2	71	.1	14	10	357	3.31	3	5	ND	1	28	.4	2	2	82	.48	.021	9	29	.38	200	.16	4	1.61	.01	.13	1	2
L99+50N 52+50E	1	85	7	69	.1	11	12	467	4.53	7	5	ND	1	42	.2	2	2	63	1.06	.041	10	17	.70	1044	.03	4	2.42	.01	.15	1	4
L99+50N 52+75E	1	75	18	115	.2	17	12	375	4.71	77	5	ND	1	39	.7	8	2	57	.54	.053	11	20	.40	384	.08	6	1.82	.01	.28	1	250
L99+50N 53+00E	1	48	12	93	.1	20	14	1551	4.16	34	5	ND	2	29	.5	2	2	67	.58	.038	11	29	.52	337	.12	10	2.17	.01	.36	1	43
L99+50N 53+25E	1	72	18	163	.4	15	13	911	4.14	50	5	ND	1	72	.2	6	2	63	.97	.083	10	25	.66	989	.08	16	2.33	.02	.24	1	890
STANDARD C/AU-S	18	58	44	134	7.2	67	31	1054	3.92	38	20	7	37	47	18.4	15	19	58	.51	.099	38	56	.88	174	.09	33	1.92	.06	.14	12	49

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Soil -80 Mesh AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 5 1990 **DATE REPORT MAILED:** June 8/90 **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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	Au* ppb
L99+50N 53+75E	1	69	13	110	.1	9	9	388	4.16	15	5	ND	1	38	.2	5	2	46	.90	.052	8	14	.39	308	.03	10	1.39	.01	.30	1	59
L99+50N 54+00E	1	67	44	115	.3	10	11	420	4.17	22	5	ND	1	36	.2	5	3	48	.77	.048	8	13	.38	415	.05	9	1.49	.01	.25	1	220
L99+50N 54+25E	1	27	41	177	.1	9	7	256	3.36	14	5	ND	1	41	.2	2	2	32	.57	.045	7	15	.35	248	.05	9	1.52	.01	.23	2	4
L99+50N 54+50E	1	82	13	66	.1	18	8	287	4.45	3	5	ND	1	31	.2	2	2	75	.62	.044	10	36	.54	225	.12	3	2.16	.01	.22	3	23
L99+50N 54+75E	1	49	2	69	.1	14	8	385	3.56	2	5	ND	1	25	.2	2	2	62	.44	.023	10	27	.46	181	.12	4	2.00	.01	.19	1	5
L99+50N 55+00E BL	1	64	11	80	.1	11	9	384	3.70	2	5	ND	1	31	.2	2	2	51	.55	.030	10	20	.45	184	.08	7	1.60	.01	.22	1	1
L99+50N 55+25E	1	80	10	76	.1	21	13	474	4.42	15	5	ND	1	30	.2	2	2	70	.92	.062	8	28	.54	367	.06	7	1.53	.01	.24	1	1
L99+50N 55+50E	1	75	11	74	.1	29	12	392	4.58	9	5	ND	1	31	.2	2	2	72	.65	.035	7	42	.75	285	.10	6	1.91	.01	.23	1	4
L99+50N 55+75E	1	75	11	89	.1	55	19	616	5.49	9	5	ND	1	39	.2	11	2	75	.84	.048	6	50	.65	357	.03	14	1.52	.01	.31	1	2
L99+00N 51+00E	1	36	11	89	.1	12	8	399	2.93	7	5	ND	1	36	.2	2	2	38	.54	.032	7	17	.33	246	.06	7	1.57	.01	.21	1	3
L99+00N 51+25E	1	24	2	37	.1	5	3	435	.99	5	5	ND	1	1041	.3	4	2	15	13.10	.106	4	13	2.39	267	.03	17	.75	.02	.07	1	5
L99+00N 51+50E	1	25	10	46	.1	12	6	241	2.40	2	5	ND	1	40	.2	2	3	42	.56	.024	9	23	.41	98	.09	6	1.43	.01	.13	3	4
L99+00N 51+75E	1	25	10	104	.1	15	9	1079	2.67	2	5	ND	1	26	.2	2	2	48	.45	.037	8	23	.38	350	.10	3	1.90	.01	.11	6	1
L99+00N 52+00E	1	22	2	38	.1	4	6	289	1.91	10	5	ND	1	19	.2	8	2	29	.44	.042	5	11	.23	362	.02	5	.74	.01	.13	1	4
L99+00N 52+25E	1	68	15	94	.1	11	12	599	4.76	7	5	ND	1	31	.2	2	2	67	.67	.051	11	18	.56	499	.06	11	1.96	.01	.31	1	3
L99+00N 53+00E	1	97	16	101	.5	19	13	487	5.47	39	5	ND	2	32	.2	5	2	78	.76	.045	11	29	.68	334	.10	10	2.38	.01	.28	1	460
L99+00N 53+25E	1	97	8	98	.2	16	11	311	5.16	11	5	ND	1	31	.4	2	2	65	.63	.049	10	25	.57	296	.07	6	2.13	.01	.30	1	54
L99+00N 53+50E	1	103	17	104	.1	9	12	443	4.77	6	5	ND	1	50	.2	3	2	57	1.35	.041	9	18	.65	344	.04	9	2.11	.01	.36	1	4
L99+00N 53+75E	1	66	12	106	.1	11	11	516	4.48	4	5	ND	1	29	.2	4	2	52	.78	.049	11	18	.50	405	.06	4	2.04	.01	.28	1	1
L99+00N 54+00E	1	87	149	155	.9	6	11	389	4.56	18	5	ND	1	53	.3	9	2	55	.98	.060	10	15	.51	439	.03	11	1.54	.01	.27	1	360
L99+00N 54+25E	1	59	36	112	.1	5	9	307	4.25	9	5	ND	1	40	.2	2	2	46	.60	.036	7	12	.43	265	.04	9	1.47	.01	.29	1	28
L99+00N 54+50E	1	54	13	102	.1	19	11	546	4.08	9	5	ND	1	32	.2	2	2	71	.65	.036	14	39	.52	335	.10	8	2.03	.01	.26	1	6
L99+00N 54+75E	1	87	14	79	.1	30	12	407	4.75	6	5	ND	2	36	.2	2	2	90	.72	.059	13	50	.75	221	.11	7	2.30	.01	.27	1	6
L99+00N 55+00E BL	1	62	29	136	.1	24	12	529	4.42	7	5	ND	1	31	.2	2	2	75	.61	.025	11	40	.59	248	.14	6	2.23	.01	.24	1	13
L99+00N 55+25E	1	83	96	210	.5	51	17	631	5.44	20	5	ND	1	37	.3	5	2	89	.75	.031	12	89	1.66	369	.07	4	3.28	.01	.15	1	21
L99+00N 55+50E	1	60	15	94	.1	38	13	412	4.63	8	5	ND	1	47	.2	6	2	62	1.20	.039	7	37	.71	309	.08	8	1.80	.01	.24	1	1
L99+00N 55+75E	1	109	44	116	.6	43	14	391	5.80	31	5	ND	1	36	.2	12	2	82	.69	.039	8	40	.66	470	.07	6	1.93	.01	.22	1	69
L98+50N 50+00E	1	45	15	79	.1	20	13	771	2.91	13	5	ND	1	126	.2	2	2	32	4.72	.080	8	18	.48	476	.01	16	1.01	.01	.25	1	25
L98+50N 50+25E	1	74	13	89	.7	16	14	590	3.72	22	5	ND	1	139	.2	14	5	37	7.51	.054	6	12	.45	722	.01	13	.92	.01	.17	1	121
L98+50N 50+50E	1	35	9	50	.2	12	13	648	3.57	8	5	ND	1	142	.2	8	2	63	5.84	.062	6	13	.49	263	.01	12	.82	.01	.11	1	2
L98+50N 50+75E	1	67	3	110	.2	22	18	811	4.33	13	5	ND	1	81	.2	3	2	55	1.60	.030	10	21	.52	608	.05	19	2.04	.01	.29	1	40
L98+50N 51+50E	1	27	12	78	.1	12	9	333	3.27	2	5	ND	1	49	.2	2	2	67	.54	.027	6	29	.50	146	.16	9	1.66	.01	.29	1	3
L98+50N 51+75E	1	48	5	115	.1	18	11	817	3.92	2	5	ND	1	41	.2	2	2	74	.67	.034	11	34	.51	361	.13	6	1.88	.01	.28	1	5
L98+50N 52+00E	1	86	15	111	.1	9	13	577	4.79	2	5	ND	1	44	.2	4	2	65	.96	.054	9	17	.52	517	.05	10	1.78	.01	.35	1	6
L98+50N 52+25E	1	116	12	114	.3	9	13	757	5.01	3	5	ND	1	67	.2	13	2	57	2.19	.054	9	18	.57	853	.05	16	1.85	.01	.45	1	3
L98+50N 52+75E	1	150	20	113	.3	18	17	961	5.98	6	5	ND	1	44	.2	11	2	121	.89	.055	12	26	.65	756	.05	6	2.03	.01	.26	1	3
STANDARD C/AU-S	18	57	42	135	7.0	68	30	1045	3.84	37	18	6	36	47	17.5	15	19	56	.50	.095	37	55	.88	171	.09	32	1.92	.06	.14	11	54

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	Au* ppb
L98+50N 53+00E	1	94	7	82	.2	20	16	930	4.75	18	5	ND	1	29	.2	2	2	98	.82	.061	11	31	.71	348	.10	4	2.16	.01	.36	1	31
L98+50N 53+25E	1	81	13	112	.3	11	13	778	4.19	17	5	ND	1	35	.2	6	3	65	.80	.071	12	18	.43	331	.05	9	1.57	.01	.35	1	22
L98+50N 53+50E	1	81	11	112	.1	6	11	620	4.19	12	5	ND	1	30	.2	4	2	64	.67	.046	10	13	.51	262	.04	4	1.59	.01	.35	1	5
L98+50N 53+75E	1	78	8	105	.2	6	10	402	4.07	11	5	ND	1	27	.4	5	2	55	.62	.048	9	10	.43	262	.04	6	1.43	.01	.34	1	6
L98+50N 54+00E	1	54	5	98	.2	10	10	391	4.02	14	5	ND	1	27	.4	6	2	52	.56	.030	8	15	.43	447	.06	5	1.55	.01	.37	1	23
L98+50N 54+25E	1	102	9	99	.5	8	13	504	4.47	18	5	3	1	53	.2	9	6	50	1.07	.054	8	12	.45	721	.03	10	1.52	.01	.38	1	270
L98+50N 54+50E	1	36	8	145	.1	9	8	342	3.28	11	5	ND	1	43	.4	3	2	34	.73	.047	9	16	.39	294	.09	13	1.96	.01	.39	1	3
L98+50N 54+75E	1	40	13	95	.1	10	7	271	3.48	8	5	ND	1	32	.2	3	2	47	.49	.031	9	15	.34	283	.08	6	1.82	.01	.27	1	5
L98+50N 55+00E	1	84	7	64	.4	50	17	683	4.27	15	5	ND	1	90	.5	5	2	92	5.20	.101	8	51	1.22	256	.06	8	1.68	.01	.16	1	17
L98+50N 55+25E	1	85	27	100	.4	39	15	532	4.37	21	5	ND	1	54	.7	4	2	75	1.85	.051	8	45	.75	338	.09	9	1.88	.01	.26	1	51
L98+50N 55+50E	1	58	18	104	.1	35	13	467	4.27	13	5	ND	2	30	.2	4	2	68	.54	.040	8	47	.72	227	.12	10	2.20	.01	.40	1	10
L98+00N 50+50E	1	116	11	87	.2	12	13	578	4.05	15	5	ND	1	79	.4	5	2	59	2.37	.034	9	14	.49	514	.04	15	1.92	.01	.23	1	22
L98+00N 51+00E	2	109	50	121	2.1	11	21	1331	4.62	357	5	3	1	223	1.2	42	2	35	7.60	.081	4	8	.70	234	.01	12	.57	.01	.17	1	2280
L98+00N 51+25E	1	122	19	138	.2	17	19	1043	4.97	61	5	ND	1	73	.5	11	3	72	1.54	.055	9	18	.58	676	.04	17	1.92	.01	.23	1	240
L98+00N 52+00E	1	47	2	149	.2	5	3	466	.63	6	5	ND	1	1436	.6	5	2	10	13.51	.223	3	6	3.73	482	.02	45	.68	.02	.11	1	13
L98+00N 52+25E	1	81	22	148	.2	14	11	489	5.37	32	5	ND	1	45	.5	7	2	62	.66	.051	9	20	.54	540	.06	5	1.90	.01	.39	1	16
L98+00N 52+50E	1	102	4	113	.2	13	13	691	4.71	16	5	ND	1	37	.4	3	2	80	.56	.047	10	18	.55	366	.07	5	1.81	.01	.34	1	28
L98+00N 52+75E	1	77	5	107	.1	18	15	697	5.05	9	5	ND	1	37	.3	2	2	93	.58	.036	9	30	.94	268	.10	4	2.30	.01	.36	1	9
L98+00N 53+00E	1	95	12	117	.3	15	12	457	4.66	33	5	ND	1	30	.5	16	2	63	.50	.038	7	13	.47	279	.04	4	1.40	.01	.36	1	74
L98+00N 53+25E	1	85	3	90	.1	15	14	825	4.18	18	5	ND	1	31	.2	9	2	75	.65	.046	11	21	.48	480	.07	3	1.70	.01	.27	1	35
L98+00N 53+50E	1	94	4	83	.6	15	12	332	4.64	37	5	ND	2	38	.2	9	2	75	.93	.061	11	26	.57	402	.09	4	2.00	.01	.29	1	240
L98+00N 53+75E	1	82	9	108	.2	7	10	350	4.20	17	5	ND	1	28	.8	5	2	48	.67	.059	7	10	.39	313	.04	7	1.41	.01	.41	1	78
L98+00N 54+00E	1	69	5	107	.2	8	10	457	4.23	22	5	ND	1	34	.2	5	2	50	.64	.042	7	15	.43	455	.06	5	1.58	.01	.39	1	28
L98+00N 54+25E	1	86	7	101	.3	12	14	887	4.09	16	5	ND	1	50	.3	7	2	61	.95	.076	9	16	.54	401	.04	13	1.48	.01	.45	1	6
L98+00N 54+50E	1	66	4	98	.1	14	11	399	3.56	13	5	ND	1	56	.2	3	2	48	1.02	.047	10	18	.45	400	.07	12	1.80	.01	.37	1	14
L98+00N 54+75E	1	74	6	82	.3	22	12	640	3.27	9	5	ND	1	108	.6	3	3	54	1.95	.055	10	29	1.10	379	.11	6	1.88	.02	.20	2	26
L98+00N 55+00E	1	84	11	78	.2	26	14	640	4.65	15	5	ND	2	37	.6	5	2	83	.74	.034	10	40	.66	413	.13	2	2.44	.01	.20	1	19
L98+00N 55+25E	1	101	10	83	.3	85	21	496	5.77	12	5	ND	1	60	.2	2	2	99	.97	.046	5	102	1.47	258	.03	6	2.35	.01	.30	1	11
L98+00N 55+50E	1	78	9	76	.1	33	14	492	4.44	15	5	ND	1	47	.6	4	2	75	.68	.037	9	45	1.10	241	.13	13	2.17	.05	.39	2	18
L97+00N 50+00E	1	75	17	124	.2	18	14	589	4.59	31	5	ND	1	39	.6	5	2	77	.66	.053	13	23	.47	500	.09	2	2.12	.01	.23	1	14
L97+00N 50+25E	1	61	2	140	.2	15	12	889	3.80	17	5	ND	1	35	.6	2	2	69	.69	.068	10	22	.54	568	.10	4	2.77	.01	.25	1	4
L97+00N 50+50E	1	61	13	127	.2	19	13	1513	4.02	19	5	ND	1	35	.5	2	2	76	.67	.043	12	26	.51	466	.12	3	2.30	.01	.23	1	6
L97+00N 50+75E	1	83	6	136	.3	15	14	1021	4.59	25	5	ND	1	46	.6	4	2	70	1.21	.141	10	17	.39	594	.06	14	2.11	.01	.28	1	2
L97+00N 51+00E	1	63	10	128	.1	15	10	388	4.31	9	5	ND	2	39	.7	3	2	61	.75	.050	10	20	.47	567	.08	9	2.58	.01	.31	1	6
L97+00N 51+25E	1	110	11	109	.3	14	21	1141	5.57	11	5	ND	1	57	.4	5	2	92	1.83	.040	9	18	.86	656	.04	8	2.26	.01	.25	1	1
L97+00N 51+50E	1	108	15	121	.3	11	17	611	6.35	19	5	ND	1	40	.3	8	2	122	.90	.049	10	19	.89	342	.02	9	2.49	.01	.29	1	4
STANDARD C/AU-S	18	58	40	134	7.3	68	31	1053	3.76	43	17	7	36	47	19.2	16	20	58	.51	.099	37	55	.88	174	.09	34	1.92	.06	.14	12	45

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	Au* ppb
L97+00N 51+75E	1	105	17	84	.1	18	18	591	5.68	15	5	ND	1	54	.3	11	4	106	1.10	.055	15	18	.77	474	.05	11	2.43	.01	.23	1	9
L97+00N 52+00E	1	71	13	126	.1	14	17	1564	4.63	8	5	ND	1	101	.6	7	7	80	2.86	.056	16	13	.75	571	.04	21	2.09	.01	.29	1	1
L97+00N 52+25E	1	36	5	102	.1	13	11	471	3.55	12	5	ND	1	57	.4	4	2	45	.87	.067	11	15	.50	608	.07	17	2.05	.02	.24	1	2
L97+00N 52+75E	1	23	11	66	.1	12	8	316	2.62	4	5	ND	1	34	.3	2	2	39	.44	.024	7	21	.51	198	.13	9	2.03	.02	.22	1	2
L97+00N 53+00E	1	45	11	83	.1	20	10	247	4.40	12	5	ND	1	38	.6	5	2	56	.66	.041	9	22	.49	291	.12	9	2.46	.01	.28	1	1
L97+00N 53+25E	1	54	4	99	.1	15	11	459	4.41	7	5	ND	1	36	.5	6	3	61	.60	.041	11	18	.46	532	.08	5	2.48	.01	.25	1	1
L97+00N 53+50E	1	69	8	99	.1	13	13	686	4.20	4	5	ND	1	55	.2	5	2	54	.96	.040	9	16	.53	654	.05	12	1.81	.01	.38	2	1
L97+00N 53+75E	1	79	6	71	.1	23	13	451	4.71	15	5	ND	1	41	1.0	12	2	93	.73	.032	11	40	.71	260	.16	7	2.28	.02	.23	1	5
L97+00N 54+00E	1	83	15	74	.1	22	13	464	4.43	18	5	ND	1	41	.5	7	2	94	1.06	.065	9	35	.72	238	.14	16	1.84	.02	.24	2	1
L97+00N 54+25E	1	59	11	85	.1	20	11	381	4.20	9	5	ND	2	37	.9	4	2	68	.66	.034	10	32	.60	250	.17	5	2.64	.02	.28	1	4
L97+00N 54+50E	1	68	7	88	.2	30	11	357	4.48	8	5	ND	2	40	.4	4	7	66	.64	.031	10	45	.77	235	.15	8	2.80	.02	.33	1	1
L97+00N 54+75E	1	65	10	76	.1	30	12	398	4.66	9	5	ND	2	38	.7	3	2	83	.63	.025	9	43	.75	221	.16	3	2.40	.01	.27	1	4
L97+00N 55+00E	1	60	7	81	.1	26	13	689	4.10	6	5	ND	2	39	.4	3	2	73	.59	.022	10	37	.84	219	.15	7	2.20	.02	.30	1	1
L97+00N 55+25E	1	59	10	78	.1	31	14	723	4.04	10	5	ND	2	41	.6	5	2	82	.71	.034	9	41	.83	186	.14	15	1.96	.01	.37	2	1
L96+00N 50+00E	1	59	12	101	.1	25	14	623	4.21	19	5	ND	1	24	.4	5	2	88	.57	.051	11	29	.61	317	.12	2	2.61	.01	.18	1	3
L96+00N 50+25E	1	63	7	91	.1	21	14	1166	4.03	18	5	ND	2	30	.2	4	2	81	.67	.065	12	30	.64	386	.14	6	2.54	.01	.32	2	30
L96+00N 50+50E	1	72	3	59	.1	18	11	474	3.73	12	5	ND	1	42	.7	6	2	85	.99	.064	8	34	.59	233	.14	7	1.67	.01	.17	1	1
L96+00N 50+75E	1	39	2	51	.3	14	8	314	2.62	12	5	ND	1	22	.5	12	2	54	.42	.022	6	24	.42	129	.11	8	1.23	.01	.21	1	1
L96+00N 51+00E	1	80	7	93	.2	21	15	583	5.08	17	5	ND	1	39	.6	5	2	89	.83	.059	11	28	.64	443	.12	10	2.43	.01	.26	1	3
L96+00N 51+25E	1	60	7	103	.1	19	14	503	4.62	16	5	ND	2	33	.5	6	2	77	.65	.047	11	27	.61	377	.12	2	2.23	.01	.35	1	1
L96+00N 51+50E	1	47	7	139	.2	20	12	685	4.19	10	5	ND	2	40	.2	3	4	64	.73	.031	10	26	.64	296	.11	10	2.28	.01	.31	1	4
L96+00N 51+75E	1	64	9	102	.2	16	15	1266	4.59	14	5	ND	2	29	.6	5	2	92	.59	.042	11	21	.67	311	.09	2	2.10	.01	.31	1	6
L96+00N 52+00E	1	105	17	105	.3	15	17	889	5.37	48	5	ND	2	36	.4	7	2	92	.74	.065	11	15	.78	321	.05	11	2.36	.01	.41	1	380
L96+00N 52+25E	1	10	7	31	.1	4	3	476	1.19	6	5	ND	2	72	.3	2	2	10	6.71	.066	9	2	.55	271	.01	3	.36	.01	.12	2	14
L96+00N 52+50E	1	44	9	85	.1	13	12	647	3.49	23	5	ND	1	35	.2	2	2	44	.82	.034	12	12	.50	569	.03	7	1.50	.01	.33	1	99
L96+00N 52+75E	1	70	15	96	.2	13	14	687	3.87	23	5	ND	1	53	.5	7	2	59	1.35	.069	10	13	.61	533	.03	9	1.55	.01	.32	2	89
L96+00N 53+00E	1	68	13	92	.1	15	11	321	4.03	12	5	ND	1	35	.3	5	2	58	.74	.046	10	20	.53	397	.08	14	2.14	.01	.24	3	39
L96+00N 53+25E	1	28	10	80	.1	12	7	420	2.79	3	5	ND	1	24	.2	2	2	41	.48	.019	8	17	.35	198	.09	2	1.77	.01	.17	4	12
L96+00N 53+50E	1	92	6	127	.1	13	13	528	4.69	17	5	ND	1	37	.5	6	2	64	.96	.076	7	16	.39	364	.05	17	1.42	.01	.38	1	2
L96+00N 53+75E	1	70	8	84	.1	27	12	398	4.43	11	5	ND	1	40	.4	3	2	83	.69	.028	11	40	.70	214	.17	3	2.38	.02	.27	2	6
L96+00N 54+00E	1	67	10	83	.1	28	13	522	4.31	12	5	ND	1	37	.6	4	2	83	.70	.027	10	41	.70	186	.17	6	2.21	.02	.28	1	14
L96+00N 54+25E	1	59	7	67	.1	24	12	600	4.11	6	5	ND	1	49	.5	3	2	81	.71	.020	10	37	.80	185	.17	6	2.06	.02	.25	1	3
L96+00N 54+50E	1	59	2	67	.1	22	11	694	3.21	16	5	ND	1	169	.8	3	2	73	2.95	.072	9	34	2.22	222	.13	13	1.80	.02	.16	1	4
L96+00N 54+75E	1	57	3	67	.1	27	13	557	4.10	9	5	ND	1	43	.2	4	2	85	.70	.030	9	43	1.04	165	.17	7	1.94	.02	.32	2	3
L96+00N 55+00E	1	60	6	75	.1	24	13	568	4.28	10	5	ND	1	43	.7	3	2	88	.69	.036	10	42	.73	216	.16	3	2.02	.02	.23	2	10
STANDARD C/AU-S	18	58	38	132	7.1	65	31	1034	3.93	40	18	6	37	48	17.2	15	17	57	.50	.088	38	55	.91	174	.09	34	1.92	.06	.14	11	54

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	Au* ppb
L95+00N 50+00E	1	62	5	101	.2	48	16	492	4.82	12	5	ND	1	44	.2	7	2	88	.65	.042	15	72	1.32	336	.14	8	3.01	.02	.23	1	1
L95+00N 50+25E	1	73	7	103	.2	21	12	379	4.33	10	5	ND	1	33	.2	7	2	70	.53	.037	9	29	.51	340	.12	8	2.15	.01	.20	1	1
L95+00N 50+50E	1	71	8	79	.1	16	13	530	4.22	15	5	ND	1	35	.2	5	4	72	.64	.038	11	25	.60	544	.12	7	2.74	.01	.31	1	1
L95+00N 50+75E	1	69	7	93	.1	16	12	621	4.07	11	5	ND	1	31	.2	5	2	78	.57	.031	11	22	.45	333	.09	8	1.85	.01	.29	1	1
L95+00N 51+00E	1	99	9	74	.1	26	15	509	4.82	17	5	ND	1	41	.2	8	2	97	.84	.058	11	41	.74	297	.15	9	2.51	.01	.28	1	25
L95+00N 51+25E	1	82	2	87	.1	23	13	402	4.57	19	5	ND	1	35	.2	6	2	88	.65	.034	10	37	.69	241	.17	7	2.49	.01	.33	1	6
L95+00N 51+50E	1	67	5	104	.1	20	11	589	4.15	13	5	ND	2	33	.3	4	3	80	.67	.041	10	35	.62	200	.17	14	2.34	.01	.45	1	5
L95+00N 51+75E	1	63	13	96	.1	23	13	520	4.20	17	5	ND	1	35	.2	5	2	80	.66	.033	11	38	.63	214	.19	11	2.44	.02	.33	1	1
L95+00N 52+00E	1	81	6	78	.1	25	13	484	4.35	15	5	ND	1	37	.2	5	2	82	.64	.026	10	34	.68	247	.18	5	2.64	.02	.25	1	1
L95+00N 52+25E	1	92	5	92	.1	22	14	414	4.90	25	5	ND	1	38	.2	7	2	86	.74	.044	9	34	.77	454	.14	10	2.50	.01	.27	1	1
L95+00N 52+50E	1	65	7	84	.1	21	13	488	4.18	12	5	ND	1	35	.2	5	2	74	.64	.024	9	32	.63	228	.15	9	2.29	.02	.28	1	1
L95+00N 53+25E	1	108	4	78	.4	24	15	539	4.59	16	5	ND	1	45	.2	4	2	97	1.48	.079	9	34	.90	203	.15	16	2.30	.02	.29	1	16
L95+00N 53+50E	1	87	5	80	.2	23	12	322	4.65	17	5	ND	2	38	.3	5	2	87	.63	.026	9	38	.74	240	.17	13	2.30	.02	.27	1	1
L95+00N 53+75E	1	85	3	75	.1	31	12	318	4.65	13	5	ND	2	36	.2	4	2	85	.64	.031	9	47	.72	209	.17	11	2.41	.01	.25	1	33
L95+00N 54+00E	1	70	3	91	.1	27	12	590	4.22	15	5	ND	1	38	.2	2	2	77	.68	.040	10	40	.63	254	.17	14	2.30	.01	.32	1	9
L95+00N 54+25E	1	105	2	64	.1	27	13	447	4.61	15	5	ND	1	41	.4	4	2	102	.89	.074	9	39	.75	190	.18	15	2.09	.02	.25	1	19
L95+00N 54+50E	1	78	4	85	.1	28	13	327	4.56	13	5	ND	2	35	.2	4	2	82	.61	.034	11	42	.66	204	.17	12	2.69	.01	.28	2	25
L95+00N 55+00E	1	67	6	71	.1	21	12	432	4.00	12	5	ND	1	36	.2	4	2	87	.61	.029	8	35	.69	189	.17	7	1.91	.02	.20	1	8
L95+00N 55+25E	1	56	2	100	.1	24	11	523	4.10	16	5	ND	1	35	.3	3	2	75	.64	.033	9	35	.59	259	.16	7	2.30	.01	.25	1	4
STANDARD C/AU-S	18	59	39	132	6.9	68	31	1025	3.89	44	22	6	37	47	17.0	15	22	57	.50	.085	37	56	.90	176	.09	38	1.91	.06	.14	11	49

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: JUN 15 1990

DATE REPORT MAILED: June 19/90

GEOCHEMICAL ANALYSIS CERTIFICATE

Promin Explorations Ltd. PROJECT 125 FILE # 90-1616R Page 1
2197 Park Crescent, Port Coquitlam BC

SAMPLE#	Hg ppb
L100+00N 50+00E	1600
L100+00N 50+25E	1100
L100+00N 50+75E	160
L100+00N 51+00E	380
L100+00N 51+25E	120
L100+00N 51+50E	250
L100+00N 51+75E	110
L100+00N 52+00E	160
L100+00N 52+25E	130
L100+00N 52+50E	400
L100+00N 52+75E	60
L100+00N 53+00E	420
L100+00N 53+25E	9200
L100+00N 53+50E	300
L100+00N 53+75E	230
L100+00N 54+00E	60
L100+00N 54+25E	80
L100+00N 54+50E	400
L100+00N 54+75E	60
L100+00N 55+00E BL	190
L100+00N 55+25E	380
L100+00N 55+50E	170
L100+00N 55+75E	70
L100+00N 55+75E (A)	6000
L100+00N 56+00E	560
L99+50N 50+00E	460
L99+50N 50+75E	150
L99+50N 51+00E	220
L99+50N 51+25E	500
L99+50N 51+50E	120
L99+50N 52+00E	260
L99+50N 52+25E	180
L99+50N 52+50E	120
L99+50N 52+75E	180
L99+50N 53+00E	200
L99+50N 53+25E	230

- SAMPLE TYPE: Soil Pulp HG ANALYSIS BY FLAMELESS AA.

SIGNED BY. C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Hg ppb
L99+50N 53+75E	310
L99+50N 54+00E	380
L99+50N 54+25E	100
L99+50N 54+50E	300
L99+50N 54+75E	130
L99+50N 55+00E BL	420
L99+50N 55+25E	840
L99+50N 55+50E	1400
L99+50N 55+75E	1500
L99+00N 51+00E	280
L99+00N 51+25E	90
L99+00N 51+50E	380
L99+00N 51+75E	120
L99+00N 52+00E	400
L99+00N 52+25E	410
L99+00N 53+00E	750
L99+00N 53+25E	400
L99+00N 53+50E	840
L99+00N 53+75E	260
L99+00N 54+00E	1800
L99+00N 54+25E	140
L99+00N 54+50E	150
L99+00N 54+75E	290
L99+00N 55+00E BL	340
L99+00N 55+25E	240
L99+00N 55+50E	2000
L99+00N 55+75E	5800
L98+50N 50+00E	150
L98+50N 50+25E	8600
L98+50N 50+50E	380
L98+50N 50+75E	370
L98+50N 51+50E	150
L98+50N 51+75E	180
L98+50N 52+00E	210
L98+50N 52+25E	5000
L98+50N 52+75E	7600

SAMPLE#	Hg ppb
L98+50N 53+00E	880
L98+50N 53+25E	550
L98+50N 53+50E	400
L98+50N 53+75E	600
L98+50N 54+00E	330
L98+50N 54+25E	800
L98+50N 54+50E	200
L98+50N 54+75E	150
L98+50N 55+00E	1400
L98+50N 55+25E	740
L98+50N 55+50E	230
L98+00N 50+50E	360
L98+00N 51+00E	16600
L98+00N 51+25E	1900
L98+00N 52+00E	70
L98+00N 52+25E	400
L98+00N 52+50E	120
L98+00N 52+75E	110
L98+00N 53+00E	2000
L98+00N 53+25E	500
L98+00N 53+50E	5200
L98+00N 53+75E	800
L98+00N 54+00E	680
L98+00N 54+25E	220
L98+00N 54+50E	250
L98+00N 54+75E	380
L98+00N 55+00E	400
L98+00N 55+25E	80
L98+00N 55+50E	360
L97+00N 50+00E	220
L97+00N 50+25E	70
L97+00N 50+50E	240
L97+00N 50+75E	360
L97+00N 51+00E	130
L97+00N 51+25E	760
L97+00N 51+50E	550

SAMPLE#	Hg ppb
L97+00N 51+75E	240
L97+00N 52+00E	170
L97+00N 52+25E	110
L97+00N 52+75E	50
L97+00N 53+00E	110
L97+00N 53+25E	170
L97+00N 53+50E	150
L97+00N 53+75E	740
L97+00N 54+00E	680
L97+00N 54+25E	260
L97+00N 54+50E	180
L97+00N 54+75E	190
L97+00N 55+00E	130
L97+00N 55+25E	120
L96+00N 50+00E	210
L96+00N 50+25E	110
L96+00N 50+50E	580
L96+00N 50+75E	180
L96+00N 51+00E	330
L96+00N 51+25E	360
L96+00N 51+50E	110
L96+00N 51+75E	150
L96+00N 52+00E	210
L96+00N 52+25E	50
L96+00N 52+50E	80
L96+00N 52+75E	820
L96+00N 53+00E	190
L96+00N 53+25E	120
L96+00N 53+50E	300
L96+00N 53+75E	410
L96+00N 54+00E	150
L96+00N 54+25E	200
L96+00N 54+50E	280
L96+00N 54+75E	170
L96+00N 55+00E	250

SAMPLE#	Hg ppb
L95+00N 50+00E	180
L95+00N 50+25E	640
L95+00N 50+50E	120
L95+00N 50+75E	100
L95+00N 51+00E	720
L95+00N 51+25E	280
L95+00N 51+50E	160
L95+00N 51+75E	180
L95+00N 52+00E	280
L95+00N 52+25E	1200
L95+00N 52+50E	460
L95+00N 53+25E	830
L95+00N 53+50E	750
L95+00N 53+75E	600
L95+00N 54+00E	430
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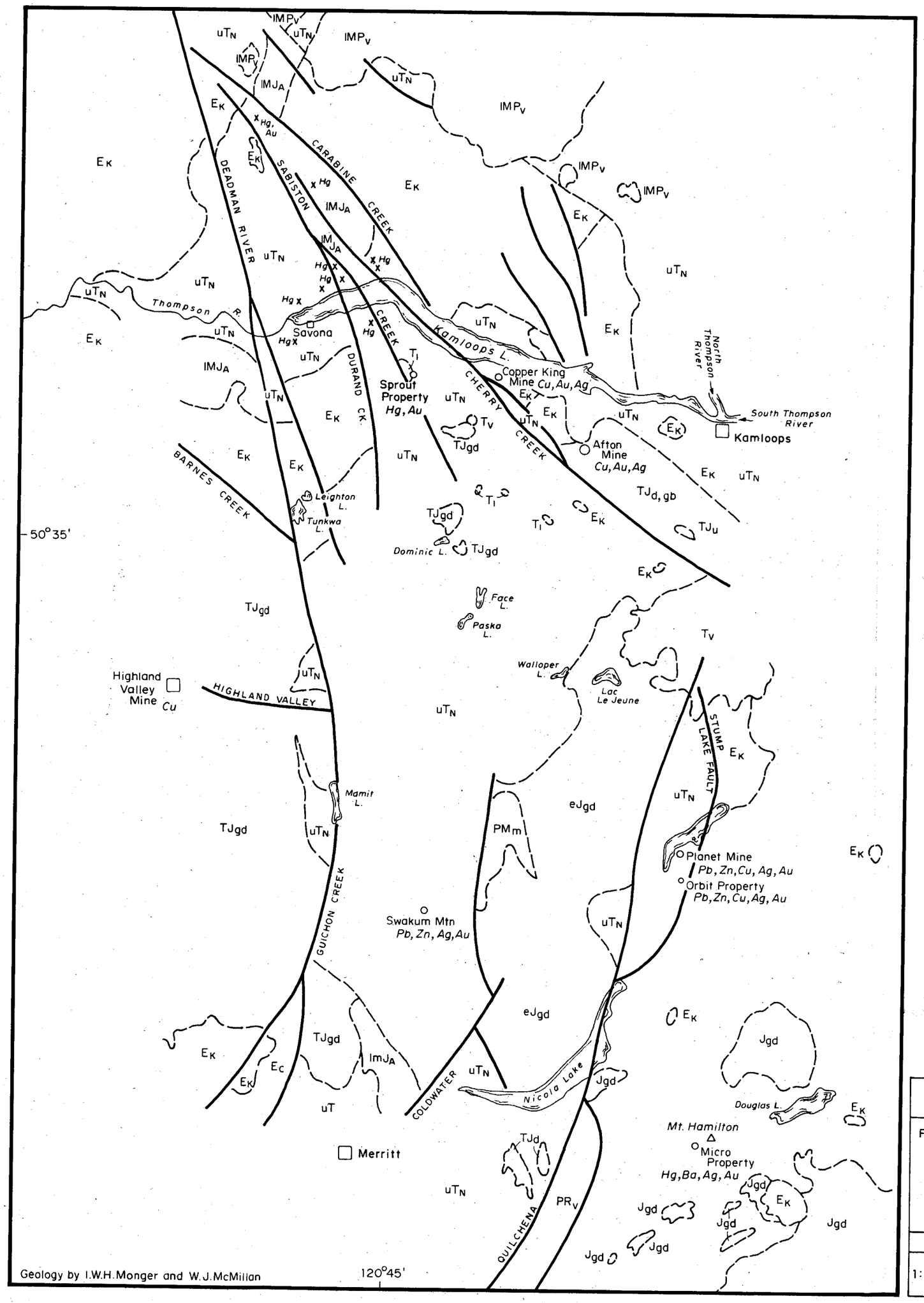
L95+00N 55+00E	180
L95+00N 55+25E	210



LEGEND

QUATERNARY

PLEISTOCENE AND RECENT

- PR_V — "VALLEY BASALT": vesicular olivine basalt; local acidic to intermediate breccia in Coast Mountains only

TERTIARY

MIOCENE AND PLIOCENE

- IMP_V — "PLATEAU BASALT": basalt, olivine basalt, minor tuff

MIOCENE (?) AND OLDER

- T_V — Olivine basalt
- T_I — Small intrusions of mainly intermediate composition

EOCENE

- E_K — KAMLOOPS GROUP: basalt, andesite, dacite, rhyolite, breccia, tuff and local intercalated sandstone; conglomerate, shale
- E_C — "COLDWATER BEDS": arkosic sandstone, conglomerate, shale, local coal seams

JURASSIC AND CRETACEOUS

- Jgd — PENNASK BATHOLITH, DOUGLAS LAKE STOCK AND SIMILAR GRANITIC ROCKS: granodiorite, quartz monzonite
- ImJ_A — ASHCROFT FM.: argillite, siltstone, sandstone, conglomerate, local minor carbonate

EARLIEST JURASSIC (?)

- $eJgd$ — WILD HORSE BATHOLITH, NICOLA BATHOLITH, PARTS OF MT. LYTTON PLUTONIC COMPLEX AND SIMILAR GRANITIC ROCKS: granodiorite, quartz monzonite; latter has local K-feldspar megacrystic phases

TRIASSIC AND (?) JURASSIC

- $TJgd,qm$ — GUICHON CREEK BATHOLITH AND SIMILAR GRANITIC ROCKS: quartz monzonite and granodiorite (qm (gd)); granodiorite, quartz diorite (gd(qd)) and subordinate diorite (d)
- TJs,d,u — IRON MASK BATHOLITH AND SIMILAR ALKALINE INTRUSIONS: syenite (s); diorite (d); gabbro (gb); ultramafic (u)
- uT_N — NICOLA GROUP: undifferentiated

PALAEOZOIC AND MESOZOIC

- PMm — Biotite quartz schist, biotite muscovite schist, garnet biotite schist local (in Coast Mountains), kyanite, sillimanite; protolith age unknown

0 3 6 9 12 15
kilometres

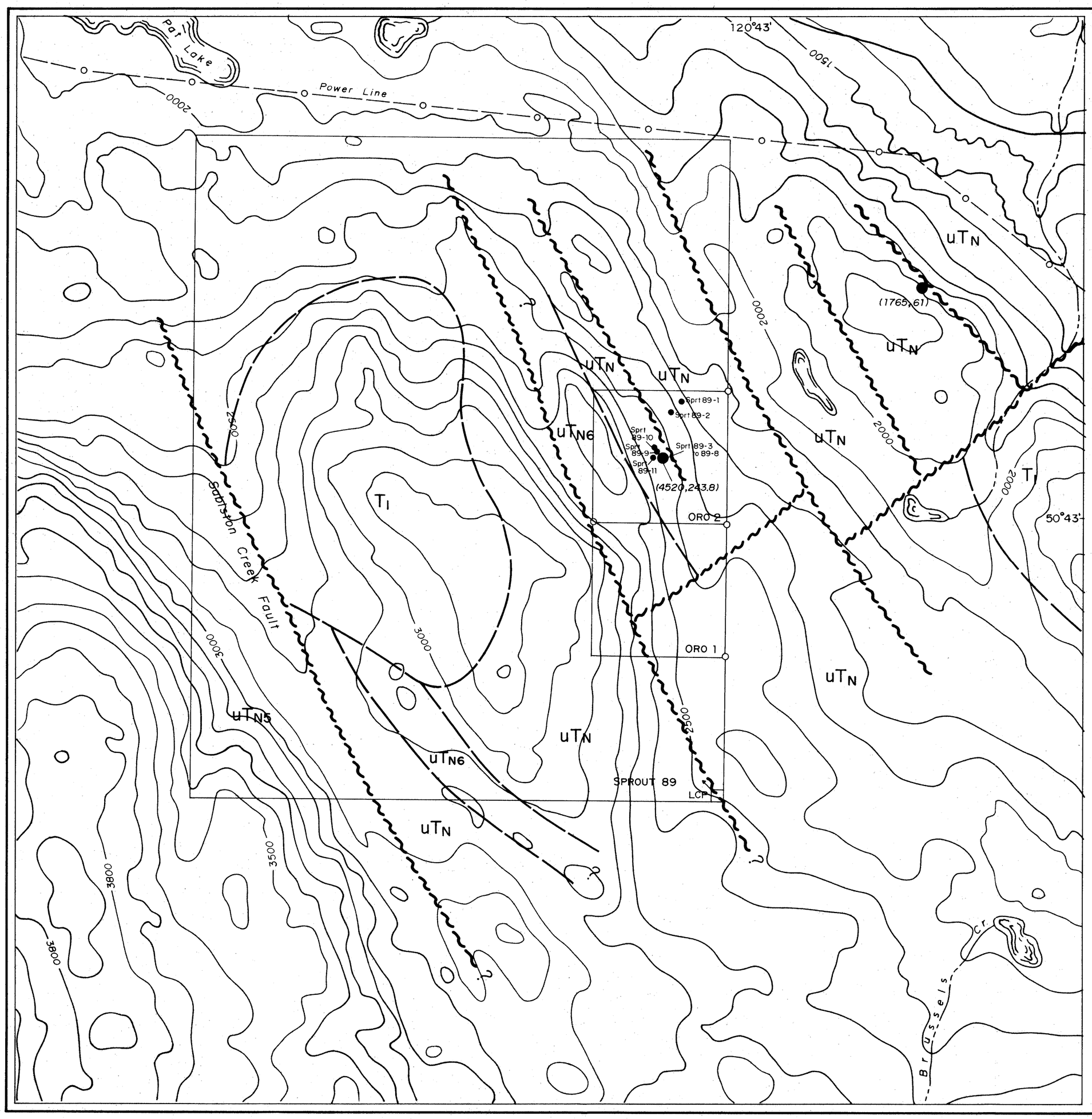
20335

C.R.C. EXPLORATIONS LIMITED

PROJECT 125 — SPROUT 89 CLAIM

REGIONAL GEOLOGY

SCALE	DATE		N.T.S. Nº	DWG Nº
1:372,000	Nov. 27/89		92 I	3



0 100 200 300 400 500
METRES

MIOCENE (?) AND OLDER

T_I — *Small intrusions of mainly intermediate composition.*

TRIASSIC AND (?)JURASSIC

uT_N — *Nicola Group: Basic to intermediate volcanics.*

uT_{N5} — *Nicola Group: Volcaniclastic breccia and tuff; interbedded argillite.*

uT_{N6} — *Nicola Group: Siltstone, volcanic sandstone, local intercalated tuff, chert pebble conglomerate, chert arenite local carbonate.*

Fault, approximate

Geological contact, approximate

(1765,61) *Mineralization (Au ppb, Ag ppm)*

Sprt 89-1 *Sample number location*

3000 *Contour interval 100 feet*

GEOLOGICAL BRANCH
ASSESSMENT REPORT

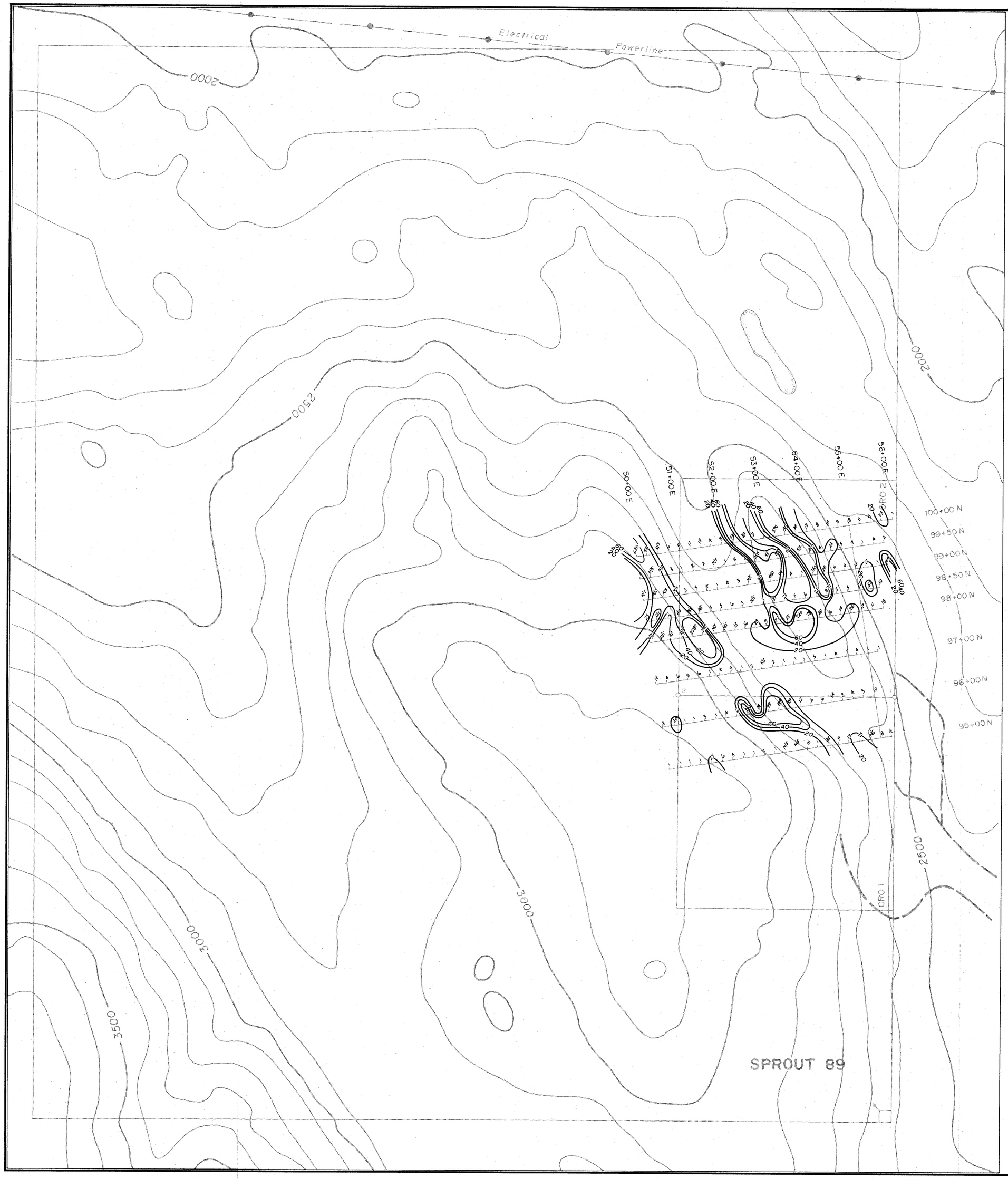
20,335

C.R.C. EXPLORATIONS LIMITED

PROJECT 125 SPROUT 89 CLAIM

PROPERTY GEOLOGY

SCALE	DATE	BY	N.T.S. Nº	DWG Nº
1:10000	Nov. 27/89		92I/10	4



55+00E

35 40 45 100+00N — Grid line and number; sample station number and soil geochemical value.

60 40 20 — Contours of soil geochemical values: 20ppb interval.

Access road

Topographic contours: 100 ft interval

Electrical powerline

SPROUT 89 — Claim name

Claim boundary

Legal corner post

ORO 2 / ORO 1 — Claim name

Two post claim: №1, №2 post

GEOLOGICAL BRANCH ASSESSMENT REPORT

20,335

Scale
0 100 200 300
metres

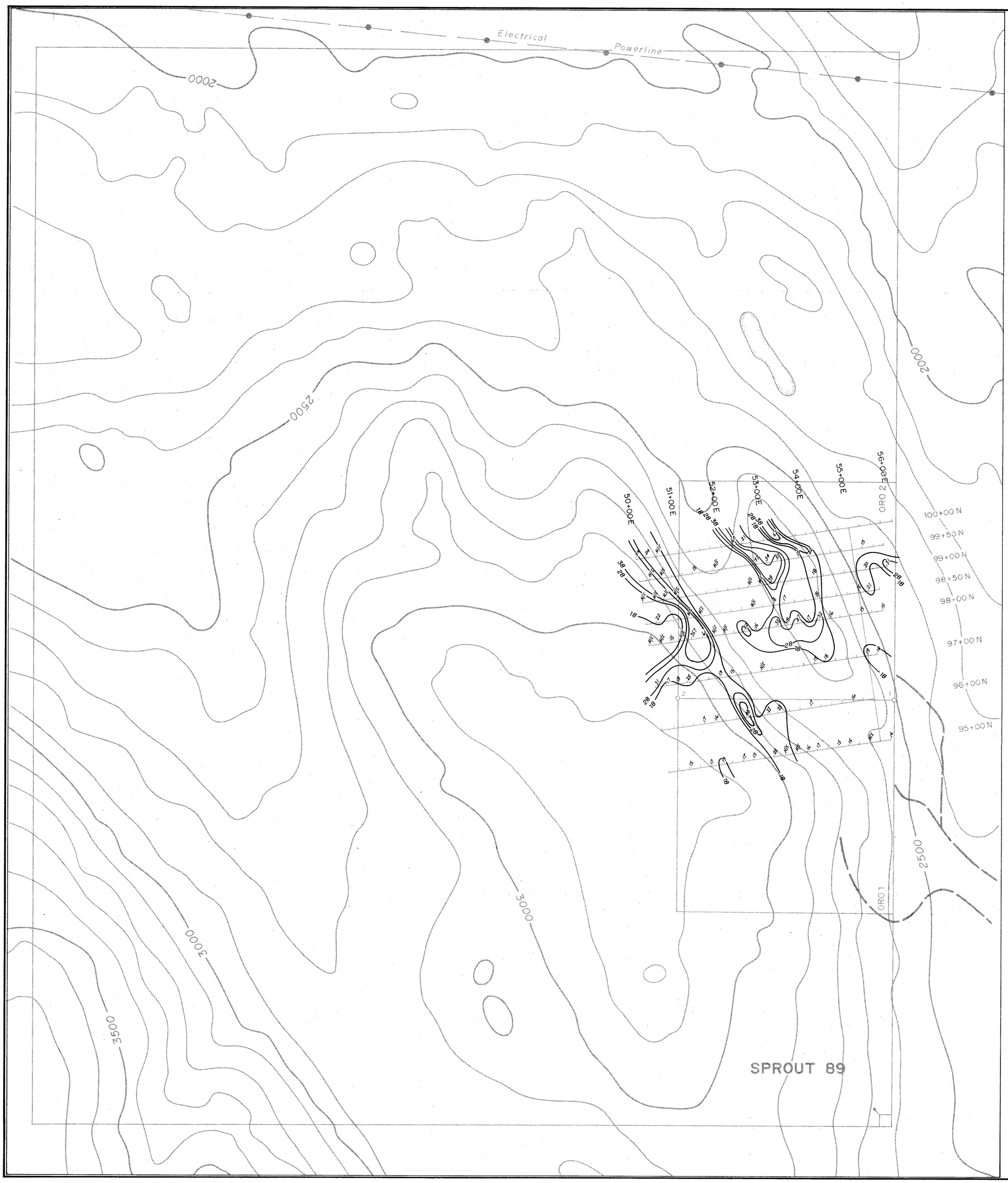
C.R.C. EXPLORATIONS LIMITED

SAVONA PROJECT № 125 — SPROUT 89, ORO 1 & 2 CLAIMS

SOIL GEOCHEMICAL RESULTS

GOLD (ppb)

SCALE	DATE	BY	N.T.S.	DWG №
1:5000	Sept 10/90	dlp CP	92I/10	5



55+00E
15 47 N 100+00N — Grid line and number; sample station number and soil geochemical value.

38
28
18 — Contours of soil geochemical values: 10 ppm interval.

Access road

Topographic contours: 100 ft interval

Electrical powerline

SPROUT 89 — Claim name

Claim boundary

Legal corner post

ORO 2
ORO 1 — Claim name

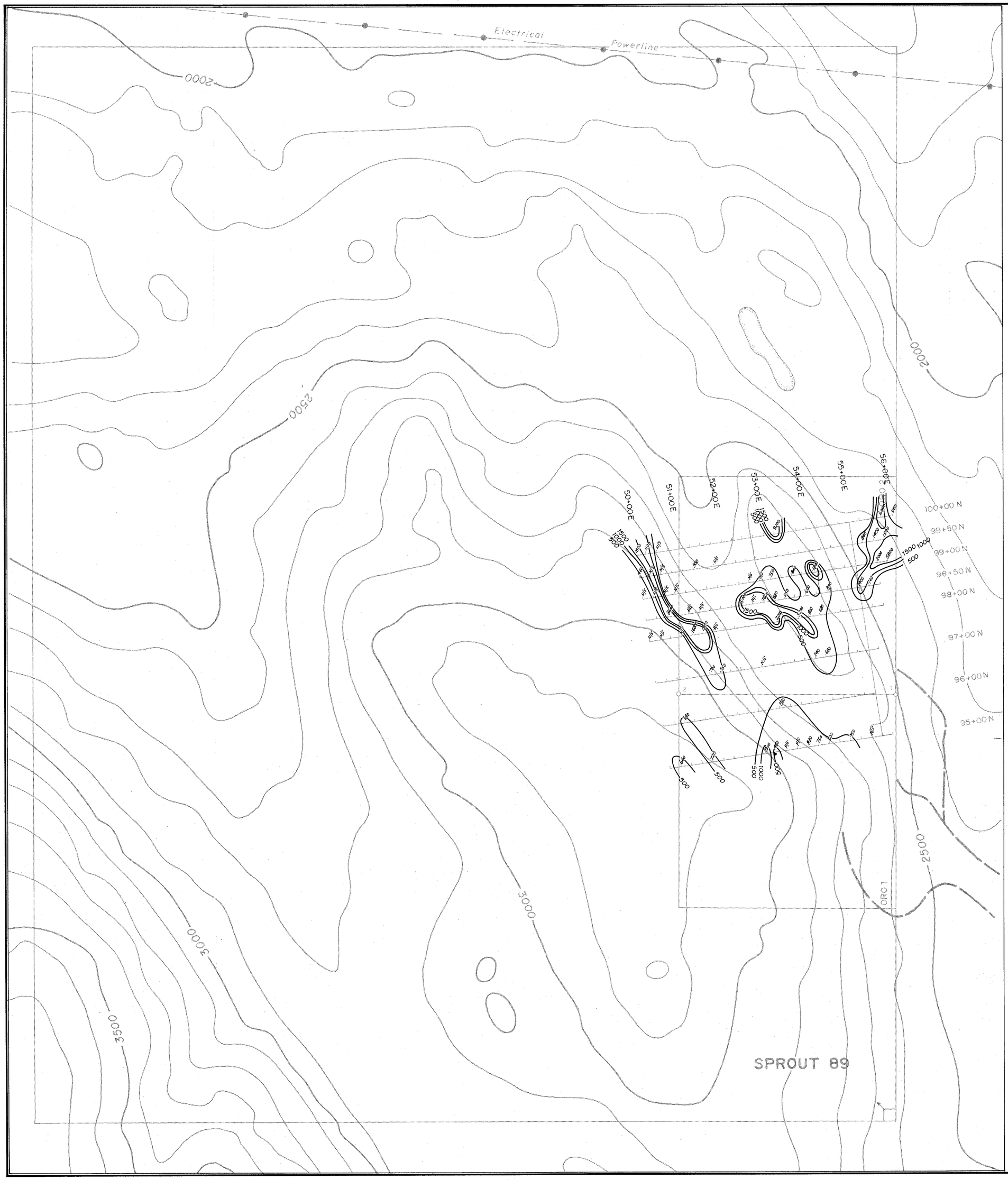
Two post claim: N°1, N°2 post

GEOLOGICAL BRANCH ASSESSMENT REPORT

20,335

Scale
0 100 200 300
metres

C.R.C. EXPLORATIONS LIMITED				
SAVONA PROJECT N°125			SPROUT 89, ORO 1 & 2 CLAIMS	
SOIL GEOCHEMICAL RESULTS ARSENIC (ppm)				
SCALE	DATE	BY	N.T.S.	DWG N°
1:5000	Sept 10/90		92I/10	6



55+00E

7500 8880 500 100+00N — Grid line and number; sample station number and soil geochemical value.

1500 1000 500 — Contours of soil geochemical values: 500 ppb interval.

Access road

Topographic contours: 100 ft interval

Electrical powerline

SPROUT 89 — Claim name

Claim boundary

Legal corner post

Claim name

Two post claim: No 1, No 2 post

ORO 1 — ORO 2

GEOLOGICAL BRANCH ASSESSMENT REPORT

20,335

Scale
0 100 200 300
metres

C.R.C. EXPLORATIONS LIMITED

SAVONA PROJECT No 125 — SPROUT 89, ORO 1 & 2 CLAIMS

SOIL GEOCHEMICAL RESULTS

MERCURY (ppb)

SCALE	DATE	BY	N.T.S.	DWG No
1:5000	Sept 10/90		92I/10	7