

GEOCHEMICAL REPORT
on the
ELDORADO 1, ELDORADO 2 and ELDORADO 3 CLAIMS

LILLOOET MINING DIVISION

92J 15W

50° 56' latitude
122° 58' longitude

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

13,691

Owner: James Wilson
Operator: PIRATES GOLD CORPORATION
Author: Virginia Kuran, Geologist
Date: May 29, 1985

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ELDORADO CLAIMS

STATEMENT OF EXPENDITURES

WORK PERIOD APRIL 20 to APRIL 25, 1985

(1)	Personal			
	1 a	Virginia Kuran	6 days @ \$130/day	\$ 780
	1 b	Dave Kuran	6 days @ 130/day	780
	1 c	Roy Mueller	3 days @ 65/day	195
	1 d	Glen Mosher	3 days @ 75/day	<u>225</u>
				\$1980
(2)	Room & Board			
	2 a	18 days @ \$50/man day		\$ 900
(3)	Transportation			
	3 a	Truck Rentals	9 days @ \$70/day	\$ 630
	3 b	ATC Rental	5 days @ 70/day	420
	3 c	Motor Bike	3 days @ 50/day	<u>1500</u>
			20% of \$1200	\$ 240
(4)	Geochemistry			
	4 a	91 soil samples @ \$8.60/sample for silver, arsenic, gold analysis and sample preparation		\$ 782.60
		2 pulverized sample preparation @ \$1.25/sample		2.50
	4 b	35 silt samples @ \$8.60/sample for silver, arsenic, gold analysis and sample preparation		301.00
	4 c	3 rock samples @ \$10.75/sample for silver, arsenic, gold analysis and sample preparation		32.25
	4 d	2 heavy mineral samples @ \$19/sample for gold, arsenic, silver analysis and sample preparation		<u>38.00</u>
				\$1156.35
(5)	Report			
	5 a	Report writing	2 days @ \$130/day	\$ 260
	5 b	Report drafting	2 days @ 130/day	<u>260</u>
				<u>\$ 520</u>
			TOTAL	<u><u>\$4796.35</u></u>

1.0 INTRODUCTION

Between April 20 and April 25, 1985 a geochemical and prospecting program was carried out on the Eldorado 1, 2 and 3 claims. Prospecting, contour soil sampling and silt sampling was completed over the majority of the property while grid soil sampling was concentrated over the approximate location of the Congress Structure in the southwest corner of the property.

2.0 LIST OF CLAIMS

The Eldorado Group of claims is situated in the Lillooet Mining Division and consists of the following claims (Figure 1):

<u>Claim Name</u>	<u>Record No.</u>	<u>No. Units</u>	<u>Month</u>
Eldorado 1	2819	4	5
Eldorado 2	2820	20	5
Eldorado 3	2821	20	5

3.0 LOCATION AND ACCESS

The Eldorado Group is located 12 kilometers directly northwest of Goldbridge, British Columbia at latitude $50^{\circ} 56'$ and longitude $122^{\circ} 58'$ (Figure 2). Access to the property is by truck along the Gun Creek road to within 12 kilometers of the southern boundary where rock slides have made the road impassable. At this point an ATC was used to drive within 3 km of the southern boundary. A walking trail leads to the claims from here and passes directly through the middle of the claims.

4.0 PHYSIOGRAPHY AND VEGETATION

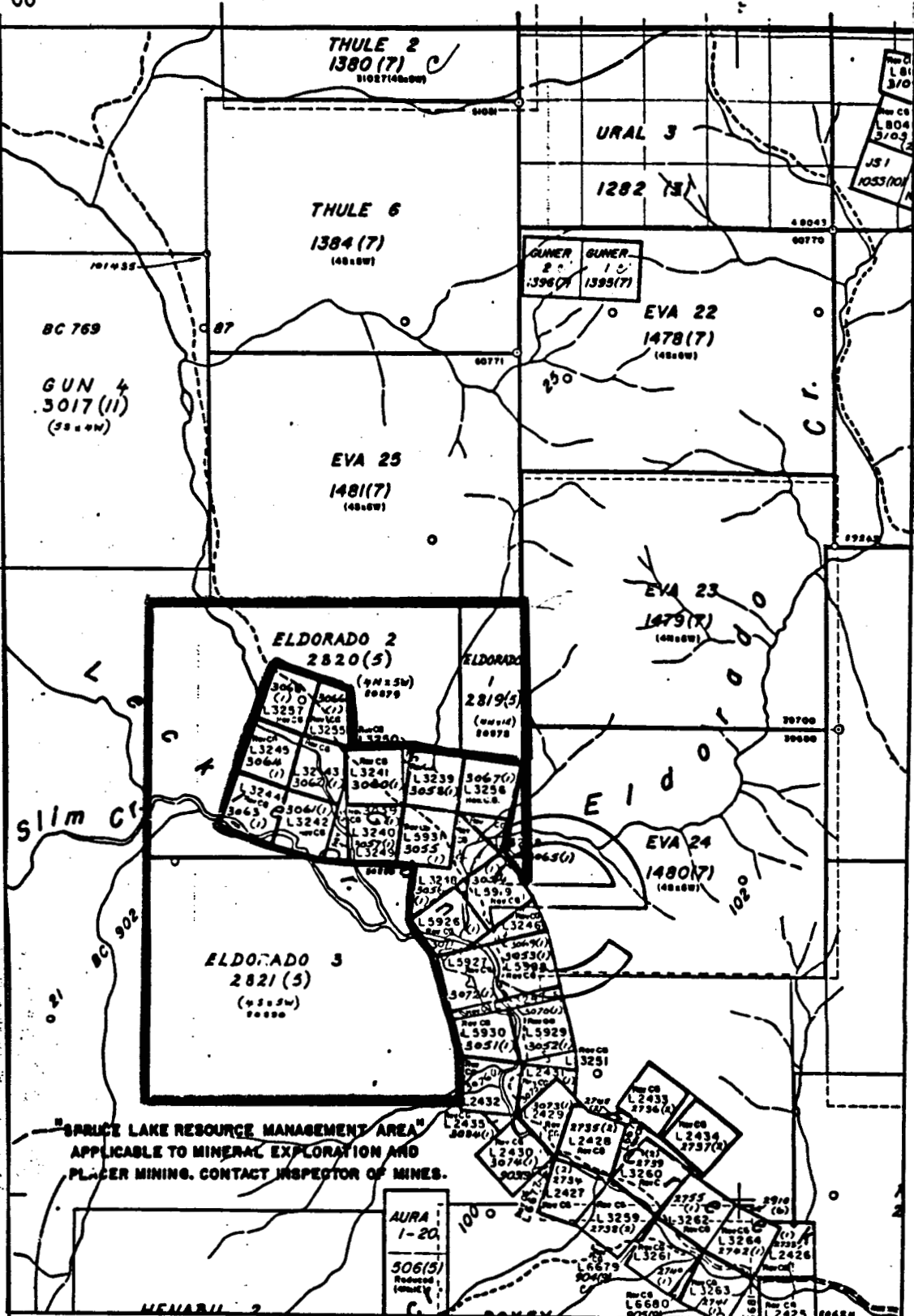
Elevations range from 1220 meters to 1740 meters above sea level. Outcrops are exposed above tree level along ridge tops and in a cliff section on the southwestern corner of the property. Vegetation consists of jack pine on grass covered sandy slopes.

5.0 REGIONAL GEOLOGY

The Bralorne area is predominantly underlain by Bridge River Group greenstones and volcanics of Triassic age. Intruded into these rocks are intrusives ranging in age from Mesozoic to Cenozoic. Composition of the intrusives varies from granite to diorite. Gold bearing vein deposits in the area are associated with fault zones such as the Cadawallader Structure located twenty kilometres south of the Eldorado claims where the Bralorne and Pioneer Mines are located.

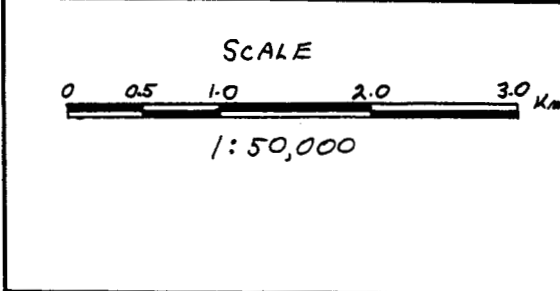
M 92J/15W

123° 00'
51° 00'

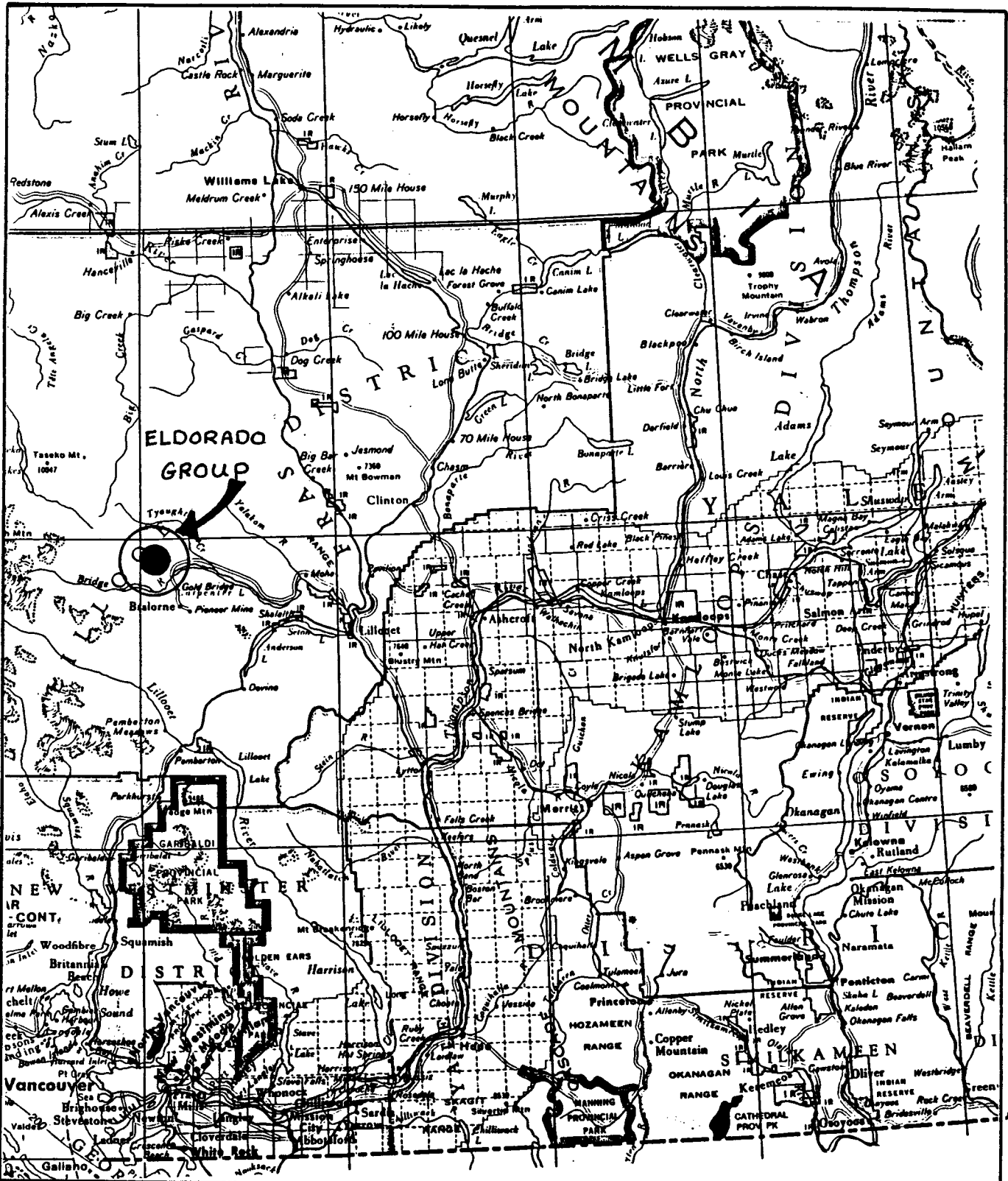


"SPRUCE LAKE RESOURCE MANAGEMENT AREA"
APPLICABLE TO MINERAL EXPLORATION AND
PLACER MINING. CONTACT INSPECTOR OF MINES.

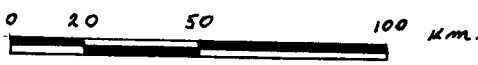
AURA
1-20
506(5)
Reduced
Scale



PIRATES GOLD CORP.
ELDORADO GROUP
CLAIM MAP
NTS. 92J/15W.
MAY 23/85 V. KURAN FIG. 1



SCALE

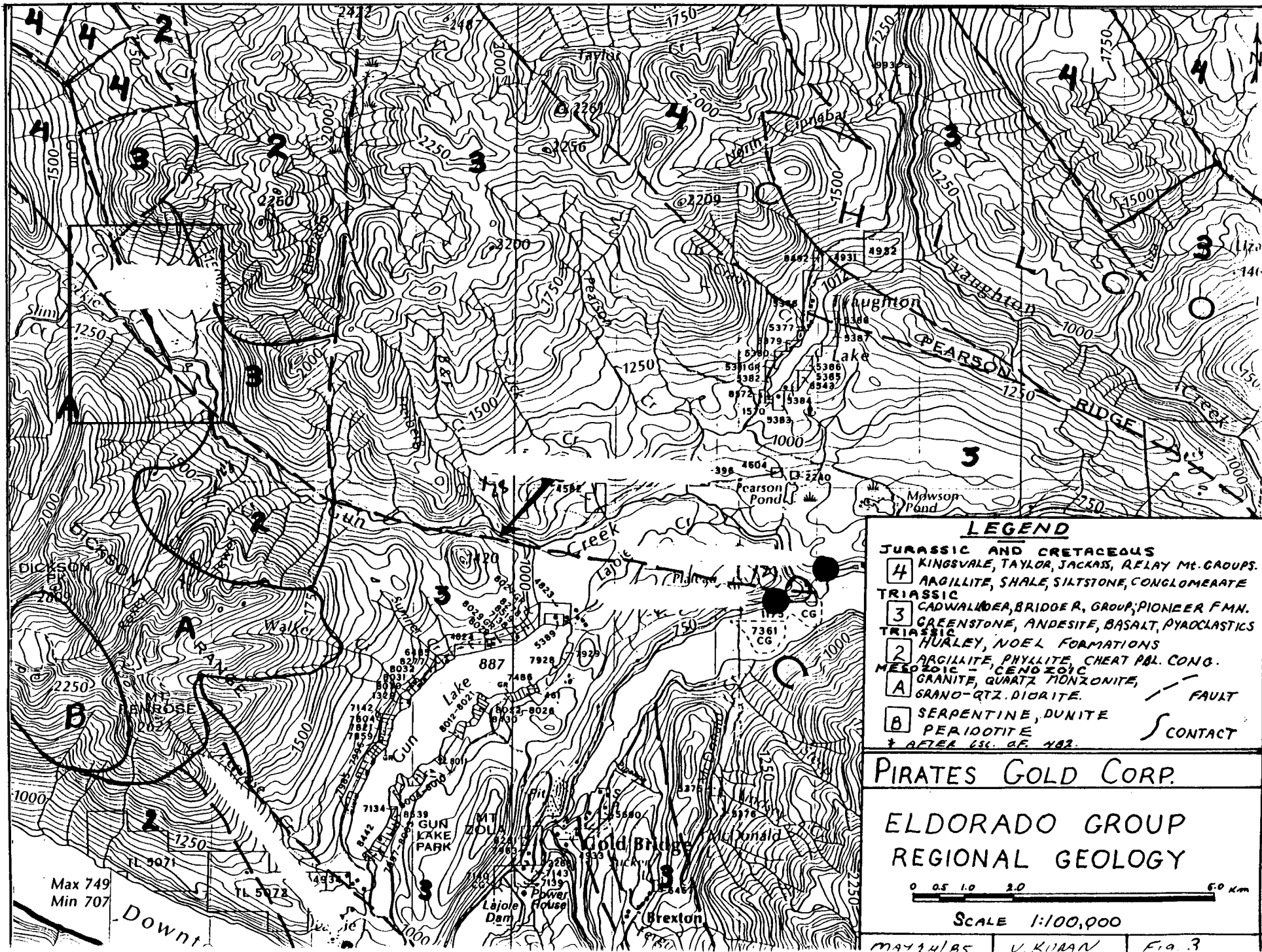


1: 2,000,000

PIRATES GOLD CORP.

ELDORADO GROUP
 LOCATION MAP
 NTS:

MAY23/85	V. KUAN	Fig. 2
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LEGEND

- JURASSIC AND CRETACEOUS**
- 4** KINGSVALE, TAYLOR, JACKASS, RELAY ME. GROUPS.
- AGILLITE, SHALE, SILTSTONE, CONGLOMERATE
- TRIASSIC**
- 3** CADWALDEA, BRIDGE R. GROUP; PIONEER FMN.
- GREENSTONE, ANDESITE, BASALT, PYROCLASTICS
- TRIASSIC**
- 2** HURLEY, NOEL FORMATIONS
- AGILLITE, PHYLLITE, CHEAT PBL. CONG.
- MESOZOIC - CENOZOIC**
- A** GRANITE, QUARTZ MONZONITE,
- GRANO-QTZ. DIORITE. / FAULT
- B** SERPENTINE, DUNITE / CONTACT
- PERIDOTITE
- † AFTER USG. GE. 482.

PIRATES GOLD CORP.

ELDORADO GROUP
REGIONAL GEOLOGY



SCALE 1:100,000

6.0 PROPERTY GEOLOGY

The Eldorado claims are centered on the Congress Structure fault zone which extends 12 kilometers to the southeast to the Congress and Minto mines. This fault zone is an exploration target for gold mineralization. The claims are underlain by granodiorite and by sedimentary rocks consisting of conglomerates and siltstones in the northeast section.

7.0 GEOCHEMISTRY AND ASSAYS

7.1 Soil Geochemistry

7.1.1 Introduction

A baseline of 400 meters in length was established at a bearing of 130° in the approximate location of the Congress fault in the southwest corner of the property. A total of 91 soil samples were taken at 25 meter intervals along three lines spaced 200 meters apart. Three other areas were also soil sampled along specific elevation contours to identify future areas for grid soil sampling. All soil sample sites were flagged.

Soil samples were taken from the B horizon at 30 centimeters to 1 meter below surface. A thick white ash layer above the B horizon and 5 to 30 centimeters of frozen organic material made soil sampling very difficult. Samples were placed in Kraft envelopes, dried and sent to Acme Analytical in Vancouver. Acme dried the samples further if required when they arrived in Vancouver. The samples were then sieved through a ASTM 80 mesh screen. A .5 gram sample of the sieved material was digested with 3 ml of 3-1-3 HCL-HNO₃-H₂O solution at 95 degrees centigrade for one hour. The solution was diluted to 10 ml with water and analyzed by atomic absorption for silver and arsenic. Gold analyses were done by atomic absorption from a 10 gram sample digested in the solution.

7.1.2 Results and Evaluations

Results of the soil geochemical survey were plotted and contoured on Figures 5, 6 and 7. Three areas of corresponding gold-silver-arsenic anomalies were determined in the soil sampling. The two coincident gold-silver-arsenic anomalies in the northern portion of the map occur in the vicinity of a rusty shear which was noted while prospecting. This shear occurs in the sedimentary rocks and should be prospected. The coincident silver-gold-arsenic anomaly in the southern portion of the map may be caused by a shear in intrusive rocks as pyritic rusty intrusive boulders were seen near these anomalies.

7.2 Silt Geochemistry and Heavy Mineral Samples

7.2.1 Introduction

A total of 35 silt samples and 2 heavy mineral samples were taken from creeks on the property. Sample sites were marked by flagging. Acme Analytical dried and sieved the silt samples and the -80 mesh fraction was analyzed by atomic absorption in the same manner as the soil samples for gold, silver and arsenic. The heavy mineral samples were dried and sieved for the -20 mesh fraction. This fraction of the sample was treated by flotation and magnetic separation and heavy mineral concentrates were analyzed for gold, silver and arsenic by atomic absorption in the same manner as the soil samples.

7.2.2 Results

The analysis of the silt samples did not outline any anomalies. The two heavy mineral samples were anomalous in gold.

7.3 Rock Geochemistry

7.3.1 Introduction

Three rock samples were taken of interesting float material. The locations of these grab samples were marked by flagging tape and the samples were analyzed by Acme Analytical. The rock samples were crushed to -80 mesh and were analyzed by atomic absorption for arsenic, gold and silver from a .5 gram sample which had been treated by a hot aqua regia solution.

7.3.2 Results

Sample 9801 contains 430 ppm arsenic. This sample was taken from float below a rusty fault structure in the northern part of the property.

8.0 DISCUSSION AND CONCLUSIONS

From the results of the soil sampling survey three areas of coincident arsenic, gold and silver geochemistry have been outlined. These anomalous areas outlined by the grid soil sampling correspond to the approximate location of the Congress structure.

9.0 RECOMMENDATIONS

The existing base line should be continued to the northwest along a bearing of 310° for 800 meters and soil crosslines should be spaced at 200 meter intervals with soil samples taken at 25 meter intervals along the lines. Prospecting of coincident arsenic and gold anomalies should be done.

APPENDIX 1

REFERENCES

- Ostensoe, Erik A. Preliminary Report on the Minto Extension #1 Claim, Bridge River Mining District, Lillooet Mining Division, B.C. prepared for Gold Bridge Development Corporation.
- Woodsworth, G. J. Geology, Pemberton 92J Map Area, Open File 482, Geological Survey of Canada, 1977.

APPENDIX 2

STATEMENT OF QUALIFICATIONS

I, Virginia M. Kuran at 25630 Bosonworth Avenue, Maple Ridge, in the Province of British Columbia, DO HEREBY CERTIFY THAT:

1. I am a geologist contracted by Pirates Gold Corporation with offices at Suite 1220-800 West Pender Street, Vancouver, B.C.
2. I am a graduate of the University of British Columbia with an Honors Bachelor of Science Degree in Geology.
3. My primary employment since graduating in 1980 has been in the field of mineral exploration, as a geologist.
4. This report is based on field work which I actively participated in between April 20 and April 25, 1985.

DATED at Vancouver, British Columbia, this 10th day of June, 1985.

Virginia Kuran

Appendix 3 Acme Results
Tabulated

ACME ANALYTICAL LABORATORIES LTD.
152 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: APR 30 1985

DATE REPORT MAILED: *May 6/85*

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-3 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.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-4 SOILS/SILTS P5-ROCKS P6-HEAVY MINERAL AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *V. Saundry* DEAN TOYE OR TOM SAUNDY. CERTIFIED B.C. ASSAYER

PIRATES GOLD PROJECT - ELO FILE # 85-0472 PAGE 1

SAMPLE#	Ag ppm	As ppm	Au* ppb
85-ES-1	.1	13	4
85-ES-2	.1	11	6
85-ES-3	.2	8	5
85-ES-4	.3	17	5
85-ES-5	.2	15	7
85-ES-6	.1	13	5
85-ES-7	.2	9	3
85-ES-8	1.3	17	6
85-ES-9	.3	16	5
85-ES-10	.1	15	6
85-ES-11	.2	14	5
85-ES-12	.4	13	5
85-ES-13	.1	16	4
85-ES-14	.1	14	5
85-ES-15	.1	16	6
85-ES-16	.2	14	6
85-ES-17	.1	14	5
85-ES-18	.1	17	5
85-ES-18A	.2	15	7
85-ES-19	.3	5	4
85-ES-20	.1	10	5
85-ES-21	.1	3	13
85-ES-22	.3	8	2
85-ES-23	.1	8	3
85-ES-24	.1	5	2
85-ES-25	.2	6	33
85-ES-26	.2	6	17
85-ES-27	.1	32	42
85-ES-28	.2	7	3
85-ES-29	.2	10	2
85-ES-30	.5	6	1
85-ES-31	.2	8	3
85-ES-32	.2	9	2
85-ED-1	3.8	4	1
85-ED-2	.1	35	3
85-ED-3	.2	55	4
85-ED-4	.1	3	1
STD C/AU 0.5	7.4	39	470

SAMPLE#	Ag ppm	As ppm	Au* ppb
85-ED-5	.1	2	1
85-ED-6	.1	8	1
85-ED-7	.1	3	1
85-ED-8	.1	17	8
85-ED-10	.1	12	9
85-ED-11	.1	10	2
85-ED-12	.1	16	6
85-ED-13	.5	55	13
85-ED-14	.3	111	18
85-ED-15	.1	10	2
85-ED-16	.1	4	6
85-ED-17	.2	2	5
85-ED-18	.1	2	3
85-ED-19	.1	5	2
85-ED-20	.1	10	1
85-ED-21	.1	4	1
85-ED-22	.4	5	1
85-ED-23	.3	7	2
85-ED-24	.1	4	1
85-ED-25	.1	2	4
85-ED-26	.1	3	7
85-ED-27	.1	13	180
85-ED-28	.1	4	3
85-EG-1	.2	16	5
85-EG-2	.1	4	1
85-EG-3	.2	6	66
85-EG-4	.2	3	2
85-EG-5	.1	6	1
85-EG-6	.2	2	1
85-EG-7	.1	4	2
85-EG-8	.1	4	36
85-EG-9	.2	4	1
85-EG-10	.2	3	1
85-EG-11	.1	17	4
85-EG-12	.1	9	11
85-EG-13	.6	6	2
85-EGS-1	.1	10	5
STD C/AU 0.5	7.0	37	480

SAMPLE#	Ag ppm	As ppm	Au* ppb
2+00N 1+25W	.1	7	2
0+00N 4+00W	.1	10	1
0+00N 3+75W	.4	2	1
0+00N 3+50W	.2	2	2
0+00N 3+25W	.1	3	1
0+00N 3+00W	.1	2	1
0+00N 2+75W	.1	3	1
0+00N 2+50W	.1	8	2
0+00N 2+25W SILT	.1	17	6
0+00N 2+25W	.4	8	11
0+00N 2+00W	.1	2	2
0+00N 1+75W	.1	3	1
0+00N 1+50W	.4	2	2
0+00N 1+00W	.1	2	2
0+00N 0+75W	.1	6	2
0+00N 0+50W	.1	4	8
0+00N 0+25W	.1	7	4
0+00N 0+00W	.1	12	29
2+00S 4+00W	.1	6	4
2+00S 3+75W	.1	6	6
2+00S 3+50W	.1	6	65
2+00S 3+25W	.1	2	1
2+00S 3+00W	.1	2	1
2+00S 2+75W	.1	2	2
2+00S 2+50W	.5	2	2
2+00S 2+25W	.2	4	1
2+00S 2+00W	.1	2	7
2+00S 1+75W	.1	3	3
2+00S 1+50W	.1	2	1
2+00S 1+25W	.1	4	3
2+00S 1+00W	.1	2	14
2+00S 0+75W	.1	6	3
2+00S 0+50W	.1	7	2
2+00S 0+25W	.1	10	45
2+00S 0+00W	.1	11	2
STD C/AU 0.5	7.0	39	480

SAMPLE#	Ag ppm	As ppm	Au* ppb
4+00S 4+00W	.1	3	7
4+00S 3+75W	.1	2	6
4+00S 3+50W	.1	4	23
4+00S 3+25W	.1	3	2
4+00S 3+00W	.1	4	4
4+00S 2+75W	.1	4	4
4+00S 2+50W	.1	3	140
4+00S 2+25W	.1	3	4
4+00S 2+00W	.1	7	13
4+00S 1+75W	.1	4	8
4+00S 1+50W	.1	7	40
4+00S 1+25W	.1	5	4
4+00S 1+00W	.1	2	1
4+00S 0+75W	.1	6	5
4+00S 0+50W	.1	11	7
4+00S 0+25W	.1	5	5
4+00S 0+00W	.1	13	2
STD C/AU 0.5	7.6	39	485

PIRATES GOLD

PROJECT - ELD FILE # 85-0472

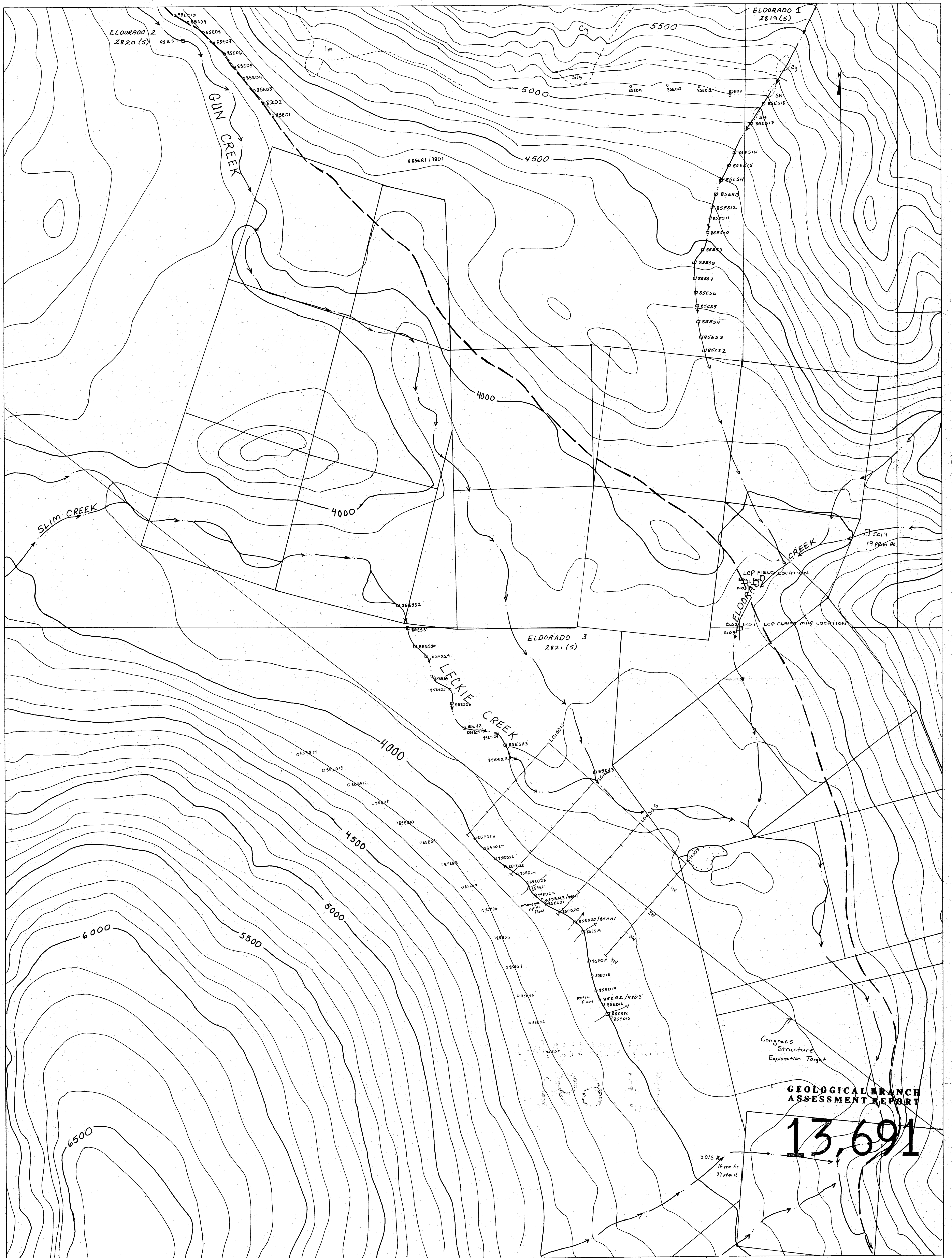
PAGE 5

SAMPLE#	Ag ppm	As ppm	Au* ppb
9801	.1	430	6
9803	.3	17	32
9804	.1	4	11

PIRATES GOLD PROJECT - ELO FILE # 85-0472

PAGE 6

SAMPLE#	Ag ppm	As ppm	Au* ppb	H.m. %	H.m. gm
85-EH-2	.1	49	90	.36	18.62
85-EH-3	.6	54	275	.09	2.74
STD C/AU 0.5	7.2	40	485	-	-



**GEOLOGICAL BRANCH
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13,691

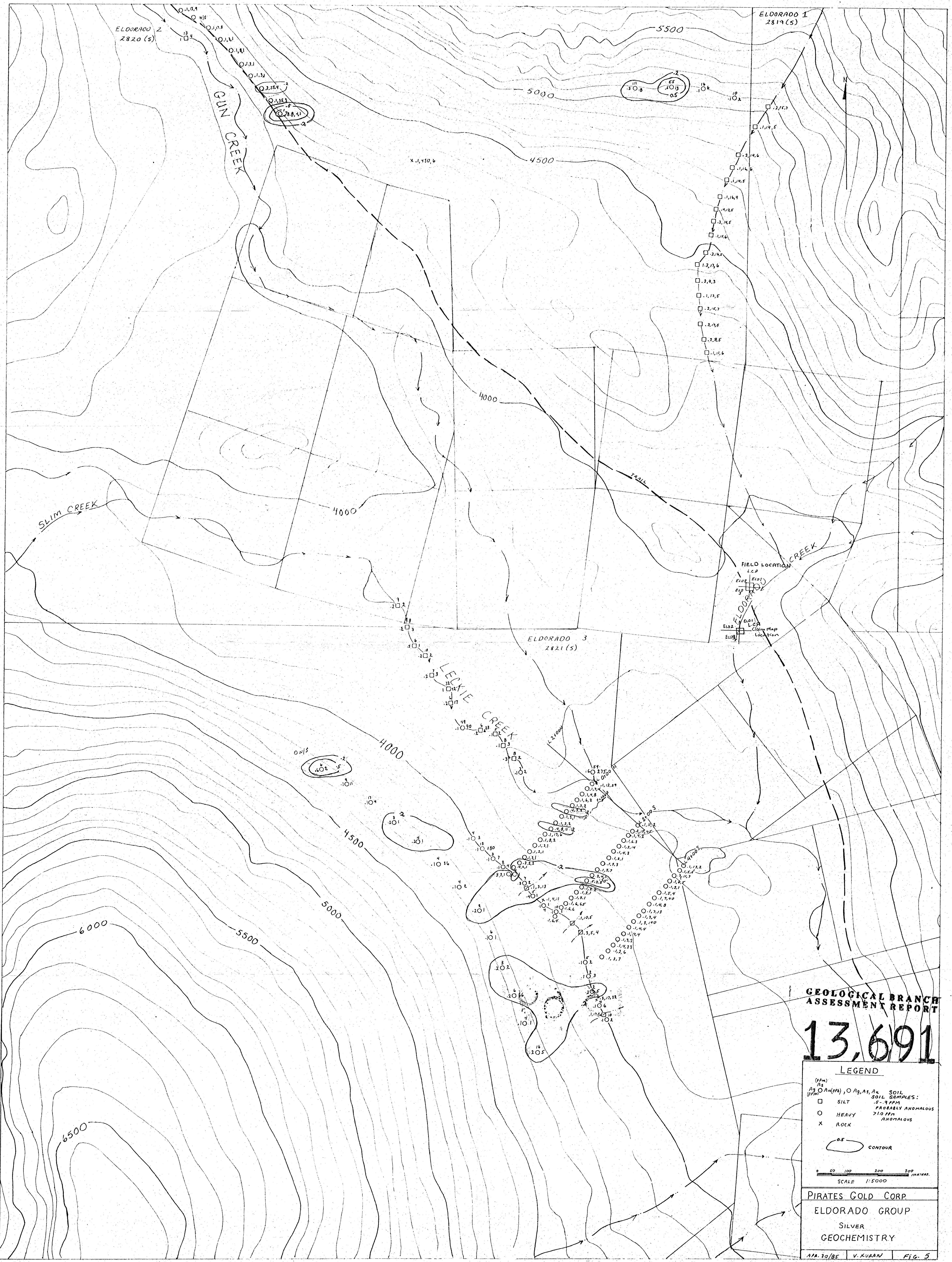
S016 X
16 ppm As
37 ppm U

SCALE 1:5000
0 100 200 300 meters

PIRATES GOLD - ELDORADO CLAIMS

SAMPLE LOCATION MAP
92J/15W

April 20, 1985 U. KURAN Fig. 4



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

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LEGEND

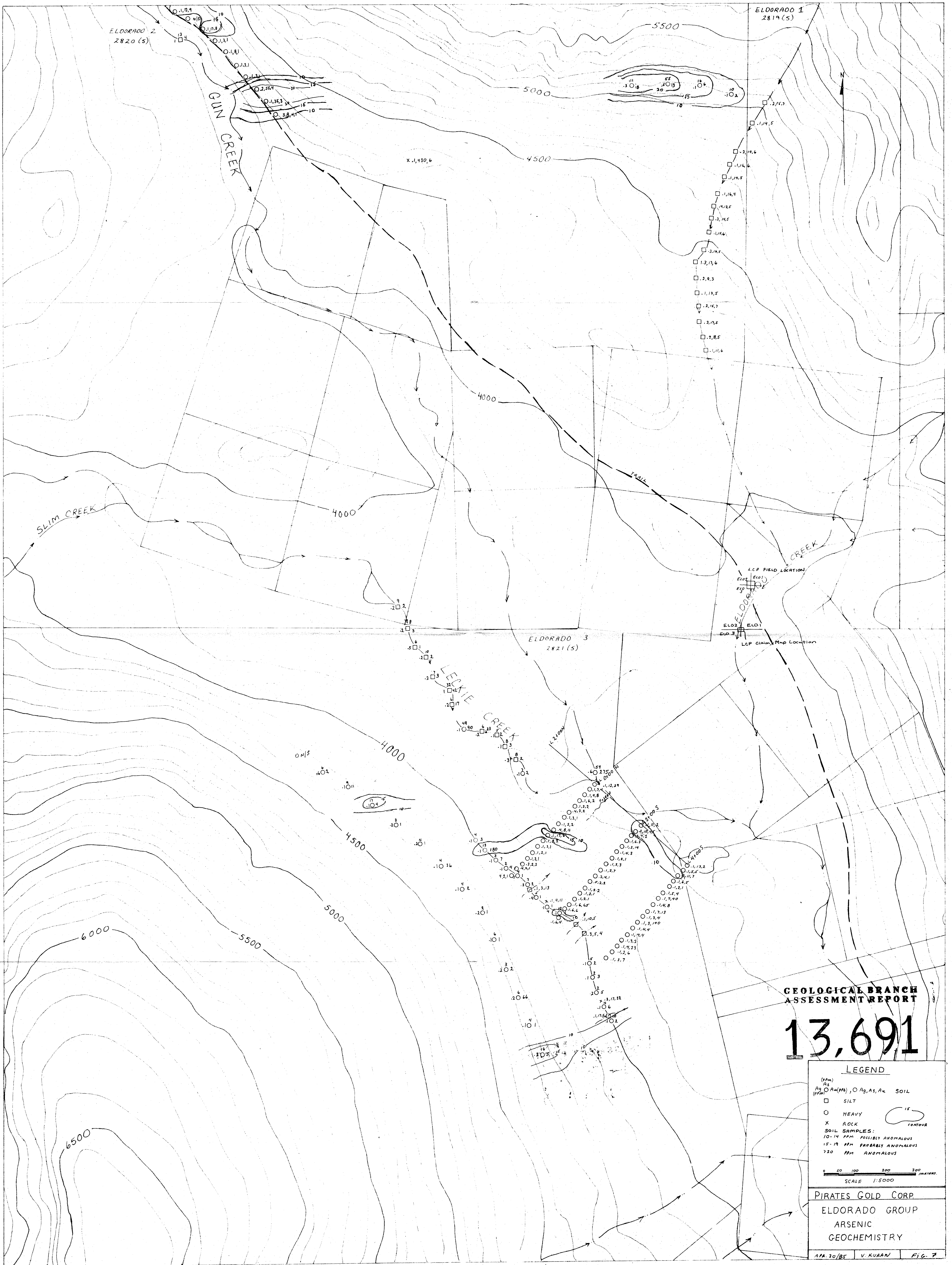
(ppm)
Ag, Au, As, Pb, O, Ag, As, Au SOIL SAMPLES:
□ SILT 5-9 ppm
○ PROBABLY ANOMALOUS
○ HEAVY >10 ppm
X ROCK ANOMALOUS

0.5' CONTOUR

0 50 100 200 300 METERS
SCALE 1:5000

PIRATES GOLD CORP.
ELDORADO GROUP
SILVER
GEOCHEMISTRY

APR 30/85 V. KUAN FIG. 5



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

13,691

LEGEND

- (ppm)
- Ag, Au, Pb (ppb), O, Ag, As, Au SOIL
- SILT
- HEAVY
- X ROCK
- SOIL SAMPLES:
- 10-14 ppm POSSIBLY ANOMALOUS
- 15-19 ppm PROBABLY ANOMALOUS
- 20 ppm ANOMALOUS

0 50 100 200 300 (FEET)
SCALE 1:5000

PIRATES GOLD CORP.
ELDORADO GROUP
ARSENIC
GEOCHEMISTRY