



BEATY GEOLOGICAL LTD.
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84-# 748 - 12784

8/85

REPORT ON A GEOCHEMICAL SURVEY

OF THE

AXEL PROPERTY, AXELGOLD RANGE

Omineca Mining Division

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

LATITUDE: 55° 57'

LONGITUDE: 125° 53'

NTS MAP: 93N/13W

12,784

OWNERS AND OPERATORS:

EQUINOX RESOURCES LTD.

CONSULTANT:

BEATY GEOLOGICAL LTD.

AUTHOR:

J.W. PAGE, B.A., B.Sc.
and R.R. CULBERT, Ph.D., P.Eng.

SUBMITTED:

AUGUST 10, 1984

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SUMMARY AND CONCLUSIONS

The Axel Property is comprised of eight claims totalling 160 units, located west of the Omineca River and north of Ominicetta Creek. The area is largely alpine with peaks extending to 2000 metres. It is underlain by the upper paleozoic Cache Creek Group, in fault contact with the Triassic Takla Group and flanks the Pinchi Fault to the northeast.

One hundred and forty-three soil, silt and rock samples were collected and analyzed for gold and silver. Anomalous values have delineated two main areas of interest. On Axel 7 and 8 high gold and silver values in soils, rocks and silts are associated with a syenite intrusion. An Axel 3 stream sediment samples have identified an area of moderate gold anomalies. Given the well defined anomalies and high values, a follow up program of detailed sampling is recommended.

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INTRODUCTION AND WORK CARRIED OUT

At the request of Equinox Resources Ltd., Beaty Geological Ltd. was contracted to carry out geochemical investigations of the Axel Property, Omineca Mining Division, B.C.

Work was carried out by two geologists in July, 1983. It consisted of prospecting, preliminary geological mapping of the claim group, and the collection of 143 samples (73 silt, 51 rock and 19 soil) for geochemical analysis for gold and silver, the results of which are shown in Appendix II.

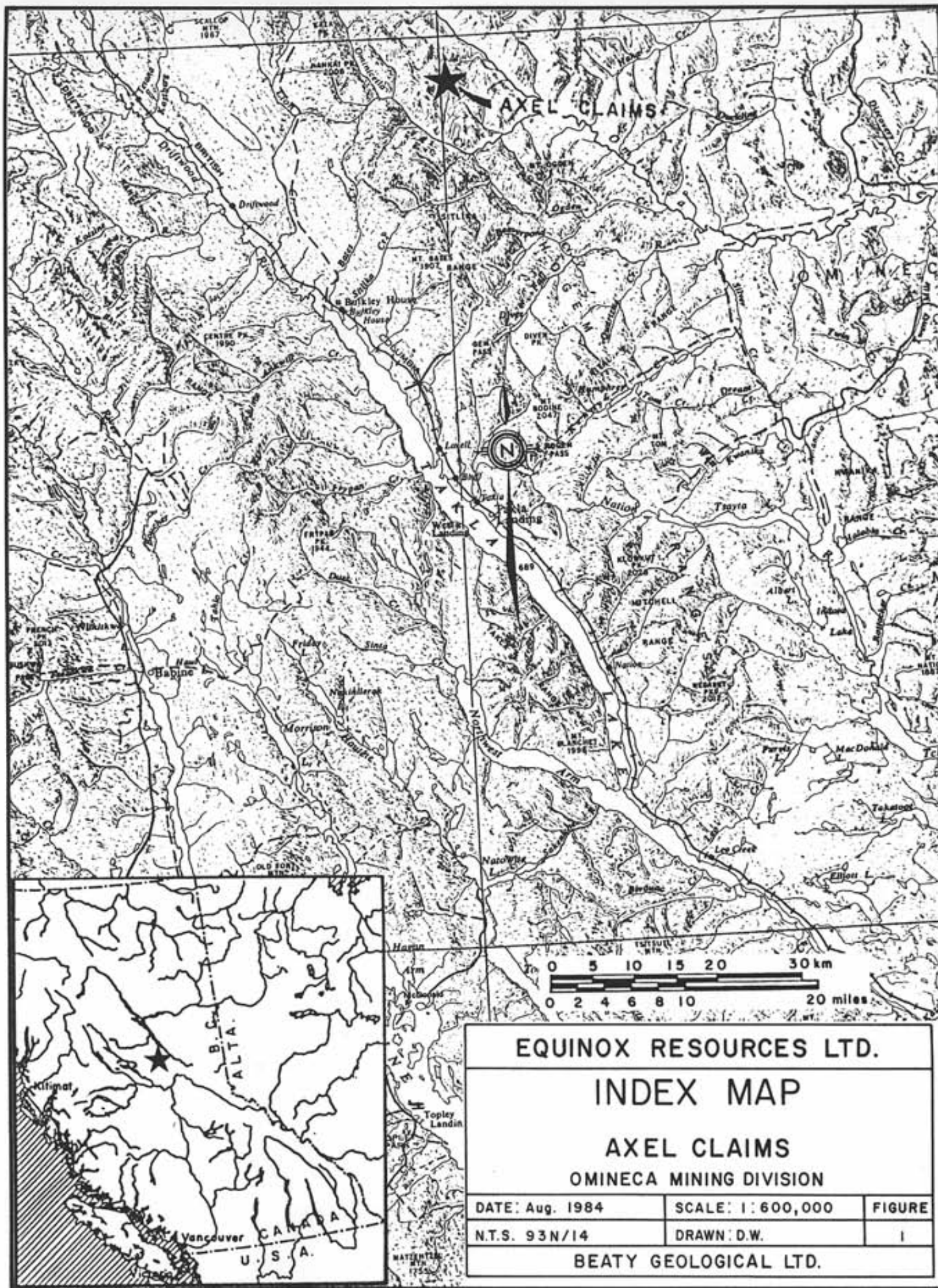
LOCATION AND ACCESS

The Axel Property consists of eight claim blocks totalling 160 units and is located in the Axelgold Range west of the Omineca River and north of Ominicetta Creek. Access to the property is by a 15 minute helicopter flight north of Takla Landing on Takla Lake.

CLAIM DATA

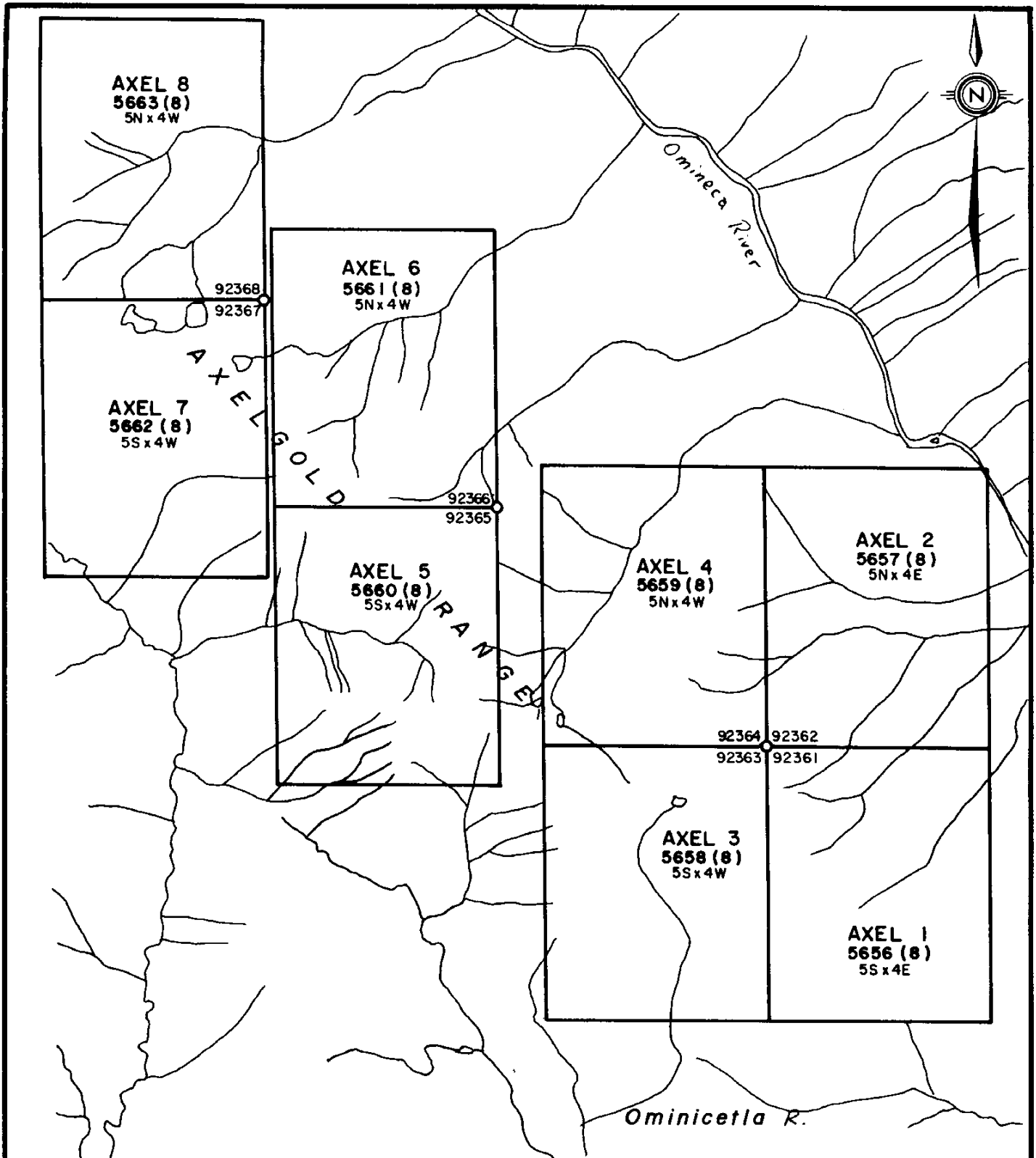
<u>Claim</u>	<u>Units</u>	<u>Tag No.</u>	<u>Date Recorded</u>	<u>Record No.</u>
AXEL 1	20	92361	15 August-83	5656
AXEL 2	20	92362	15 August-83	5657
AXEL 3	20	92363	15 August-83	5658
AXEL 4	20	92364	15 August-83	5659
AXEL 5	20	92365	15 August-83	5660
AXEL 6	20	92366	15 August-83	5661
AXEL 7	20	92367	15 August-83	5662
AXEL 8	20	92368	15 August-83	5663

All claims are registered in the name of Aume Resources Ltd. Aume Resources Ltd. changed its name in June, 1984 to Equinox Resources Ltd.



AXEL CLAIMS

EQUINOX RESOURCES LTD.		
INDEX MAP		
AXEL CLAIMS		
OMINECA MINING DIVISION		
DATE: Aug. 1984	SCALE: 1:600,000	FIGURE
N.T.S. 93N/14	DRAWN: D.W.	1
BEATY GEOLOGICAL LTD.		



EQUINOX RESOURCES LTD.		
LOCATION MAP AXEL PROPERTY NTS 93N/13W		
DRAWN JP		DATE JULY, 1984
SCALE 1 : 50000		DWG No. FIG. 2
BEATY GEOLOGICAL LTD.		

TERRAIN AND GEOLOGY

The Axelgold Range is a rugged alpine area rising 1100 metres above the surrounding lowlands and Omineca River. Several peaks in the range reach 2000 metres with steep north faces and ridges. The northwest ridges however are rounded and open, allowing relatively easy access to much of the range.

The Axelgold Range is underlain by the Upper Paleozoic Cache Creek Group, composed of phyllites, tectonically disrupted cherts and argillites, greenstones and limestones. The Cache Creek Group is in fault contact (Thrust ? - GSC open file 1001) with the Triassic Takla Group, composed mainly of greenstones, and deep-water marine meta-sediments. The contact roughly follows the crest of the range striking northwest along the axis of the range and dipping steeply. In the Cache Creek Group, limestone bedding and contacts, and phyllite foliation also generally strike northwest and dip moderately to steeply northeastward. Conformable but discontinuous massive grey limestone units bound the southwestern part of the property, forming cliffs and ridges. Numerous alpine type ultra-mafic bodies of serpentine occur within the Cache Creek Group, and along the contact with the Takla Group. These bodies are commonly altered to Quartz-Carbonate-Mariposite, especially near the contact with the Takla Group. Epidote alteration is less common, but can be locally intense. A syenite intrusion and associated dykes intrude the Takla Group in the northwestern part of the property. This intrusion is composed almost entirely of coarse-grained subhedral orthoclase, and is pyritiferous, forming a prominent gossan.

GEOCHEMICAL SURVEY

Geochemical samples were taken during prospecting traverses across the property. The main emphasis was upon stream sediment sampling and chip sampling of alteration zones and quartz veins. A line of soil samples (talus fines) was taken along the base of the exposed syenite intrusion.

In all, 143 samples (73 silt, 51 rock, 19 soil) were taken and sent to ACME ANALYTICAL LABORATORIES LTD., 852 E. Hastings St., Vancouver, B.C., for analysis. Here they were dried and the -80 mesh fraction of soils and sediments tested by the methods listed in Appendix I. All samples were analyzed for gold and silver.

RESULTS

In general, stream sediment geochemistry responded well, indicating anomalous areas that were also identified by prospecting and rock chip sampling.

Gold

- (a) High gold values and consistent grouping of anomalies in silt, soil and rock samples around the syenite intrusion identify it as being closely associated with gold mineralization.
- (b) The area drained by the major creek flowing through Axel 3 has an anomalous gold background.
- (c) Anomalous gold values were found in several alteration zones, including an intense epidote alteration zone on Axel 5.
- (d) None of the many quartz veins sampled contained gold anomalies.

Silver

- (a) Anomalous silver values occurred in soils and silts collected around the syenite intrusion and associated with anomalous gold values.
- (b) Sample CR-AXN-32 taken from an epidote alteration zone contained a high silver value.

CERTIFICATION

I, J.W. PAGE, hereby certify that:

1. I am a practicing geologist with offices at 208 - 2786 West 16th Avenue, Vancouver, B.C.
2. I am a graduate of the University of British Columbia, B.A. (1977), B.Sc. (1984).
3. I have practiced mining exploration for seven years, most of which was based in British Columbia.
4. I have no interest, directly or indirectly, in the properties or securities of Equinox Resources Ltd.
5. I have carried out the field work on which this report is based.

DATED at Vancouver, British Columbia, this ¹² day of August, 1984.



CERTIFICATION

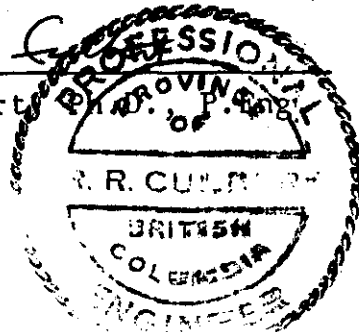
I, R. R. CULBERT, hereby certify that:

1. I am a practicing Professional Geological Engineer, with offices at 208 - 2786 West 16th Avenue, Vancouver, B.C.
2. I am a graduate of the University of British Columbia, B.Sc. (1964), Ph.D. (1971).
3. I have practiced mining exploration for twenty-two years, most of which was based in British Columbia.
4. I am a member in good standing of the Association of Professional Engineers of the Province of British Columbia.
5. I have no interest, directly or indirectly, in the properties or securities of Equinox Resources Ltd.
6. I personally supervised and partly carried out the field work on which this report is based.

DATED at Vancouver, British Columbia, this 20th day of August, 1984.



R. R. Culbert



APPENDIX I

GEOCHEMICAL PREPARATION
AND
ANALYTICAL PROCEDURES

1. Geochemical samples (soils, silts) are dried at 50°C for a period of 12 to 24 hours. The dried sample is sieved to -80 mesh fraction through a nylon and stainless steel sieve. Rock geochemical materials are crushed, dried and pulverized to -100 mesh.
2. A 0.50 gram portion of the sample is weighed into a calibrated test tube. The sample is digested with 3 ml of 3:1:3 HCl:HNO₃:H₂O at 90°C for 1 hour.
3. The sample is diluted to 10 mls using demineralized water. Sample solutions are homogenized and allowed to settle before being analyzed by atomic absorption procedures.
4. Detection limits using Techtron A.A.5 atomic absorption unit.
 - Copper - 1 ppm
 - Molybdenum - 1 ppm
 - Zinc - 1 ppm
 - *Silver - 0.2 ppm
 - *Lead - 1 ppm
 - *Nickel - 1 ppm
 - Chromium - 5 ppm

*Ag, Pb & Ni are corrected for background absorption.
5. Elements present in concentrations below the detection limits are reported as one half the detection limit, ie. Ag - 0.1 ppm.

PPB Gold: 10 gm fire assay concentration, HNO₃ leached, digested with aqua regia then graphite furnace AA analysis.
Detection limit - 1 PPB

PPM Silver: a 0.5 gm portion of sample is digested in conc. perchloric-nitric acid (HClO₄ - HNO₃) for approx. 1 hours. The digested sample is cooled and made up to 10 mls with distilled water. The solution is mixed and solids are allowed to settle. Silver is determined by atomic absorption technique using background correction on analysis.
Detection limit - 0.2 PPM

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APPENDIX II - GEOCHEMICAL DATA

Sample Number	Ag	Au**	Sample Type
	ppm	ppb	
CC-AXS-3	.3	10	silt
CC-AXS-5	.6	12	silt
CC-AXS-6	.5	6	silt
CC-AXS-7	1.1	28	silt
CC-AXS-9	.7	21	silt
CC-AXS-10	.3	3	silt
CC-AXS-11	.1	6	silt
CC-AXS-12	.1	4	silt
CC-AXS-16	.1	6	silt
CC-AXS-17	.2	17	silt
CC-AXS-19	.1	14	silt
CC-AXS-20	.1	5	silt
CC-AXS-21	.1	34	silt
CC-AXS-22	.1	3	silt
CC-AXS-23	.3	3	silt
CC-AXS-24	.3	7	silt
CC-AXN-8	.6	135	silt
CC-AXN-10	4.9	70	silt
CC-AXN-11	1.6	155	silt
CC-AXN-13	.7	80	silt
CC-AXN-14	.8	43	silt
CC-AXN-15	1.0	38	silt
CC-AXN-16	.4	51	silt
CC-AXN-17	1.5	660	silt
CC-AXN-22	.3	14	silt
CC-AXN-23	.1	2	silt
CC-AXN-24	.3	7	silt
CC-AXN-25	.1	16	silt
CC-AXN-26	.4	8	silt
CC-AXN-41	.4	7	silt
CC-AXN-42	.2	4	silt
CC-AXN-44	.3	3	silt
CC-AXN-46	.5	2	silt
CS-AXN-2	.5	150	soil
CS-AXN-3	.5	365	soil
CS-AXN-4	.6	135	soil
CS-AXN-5	2.3	120	soil
CS-AXN-6	2.3	150	soil
CS-AXN-7	1.2	640	soil
CS-AXN-40	.4	24	soil

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Sample Number	Ag	Au**	Sample Type
	ppm	ppb	
CR-AXS-1	.1	2	rock
CR-AXS-2	.1	3	rock
CR-AXS-4	.3	1	rock
CR-AXS-8	.3	7	rock
CR-AXS-13	.1	34	rock
CR-AXS-14	.1	2	rock
CR-AXS-15	.1	1	rock
CR-AXS-18	.6	67	rock
CR-AXS-25	.1	10	rock
CR-AXS-26	.1	6	rock
CR-AXS-27	.1	7	rock
CR-AXS-28	.1	2	rock
CR-AXS-29	.1	8	rock
CR-AXN-1	.4	105	rock
CR-AXN-9	.5	84	rock
CR-AXN-12	.2	75	rock
CR-AXN-17	.1	39	rock
CR-AXN-19	.9	12	rock
CR-AXN-20	.1	25	rock
CR-AXN-21	.1	20	rock
CR-AXN-25	.1	3	rock
CR-AXN-27	.1	7	rock
CR-AXN-28	.2	14	rock
CR-AXN-29	.1	24	rock
CR-AXN-30	.3	195	rock
CR-AXN-31	.4	75	rock
CR-AXN-32	18.3	370	rock
CR-AXN-33	.1	1	rock
CR-AXN-34	.1	5	rock
CR-AXN-35	.1	1	rock
CR-AXN-36	.1	72	rock
CR-AXN-37	.1	2	rock
CR-AXN-38	.1	585	rock
CR-AXN-39	.3	12	rock
CR-AXN-43	.1	7	rock
PC-AXS-1	.7	19	silt
PC-AXS-2	.5	10	silt
PC-AXS-3	.5	26	silt
PC-AXS-4	.4	28	silt
PC-AXS-5	.6	29	silt
PC-AXS-6	.4	24	silt
PC-AXS-7	.1	43	silt

BEATY GEOLOGICAL LTD.

Sample Number	Ag	Au**	Sample
	ppm	ppb	Type
PC-AXS-8	.1	16	silt
PC-AXS-9	.6	37	silt
PC-AXS-10	.4	8	silt
PC-AXS-11	.1	11	silt
PC-AXS-12	.4	6	silt
PC-AXS-13	.8	8	silt
PC-AXS-14	.3	32	silt
PC-AXS-15	.7	15	silt
PC-AXS-16	.1	6	silt
PC-AXS-17	.1	35	silt
PC-AXN-1	.5	49	silt
PC-AXN-2	.5	20	silt
PC-AXN-3	.1	5	silt
PC-AXN-4	.1	4	silt
PC-AXN-5	.1	22	silt
PC-AXN-6	.1	3	silt
PC-AXN-7	.1	3	silt
PC-AXN-8	.1	2	silt
PC-AXN-9	.1	5	silt
PC-AXN-10	.1	8	silt
PC-AXN-11	.3	140	silt
PC-AXN-12	.1	21	silt
PC-AXN-13	.1	16	silt
PC-AXN-14	.1	38	silt
PC-AXN-15	.1	17	silt
PC-AXN-16	.3	18	silt
PC-AXN-17	.1	7	silt
PC-AXN-18	.3	4	silt
PC-AXN-19	.1	8	silt
PC-AXN-20	.2	5	silt
PC-AXN-21	.1	9	silt
PC-AXN-22	.1	3	silt
PC-AXN-23	.1	3	silt
PS-AXN-1	1.0	49	soil
PS-AXN-2	.8	115	soil
PS-AXN-3	1.2	104	soil
PS-AXN-4	1.1	66	soil
PS-AXN-5	1.1	64	soil
PS-AXN-6	.6	32	soil
PS-AXN-7	.5	19	soil

BEAFY GEOLOGICAL LTD.

Sample Number	Ag	Au**	Sample
	ppm	ppb	Type
PS-AXN-8	.5	13	soil
PS-AXN-9	.3	24	soil
PS-AXN-10	.6	26	soil
PS-AXN-11	.7	28	soil
PR-AXS-1	.1	2	rock
PR-AXS-2	.3	5	rock
PR-AXS-3	.1	1	rock
PR-AXS-4	.1	2	rock
PR-AXS-5	.1	1	rock
PR-AXS-6	.1	1	rock
PR-AXS-7	.1	2	rock
PR-AXS-8	.1	1	rock
PR-AXS-9	.1	1	rock
PR-AXN-1	.1	48	rock
PR-AXN-2	.1	41	rock
PR-AXN-3	.1	9	rock
PR-AXN-4	.1	2	rock
PR-AXN-5	.1	1	rock
PR-AXN-6	.1	1	rock
PR-AXN-7	.1	1	rock

APPENDIX III

ITEMIZED COST STATEMENT - AXEL PROPERTY

1. Personnel:

Jay Page	July 3-19, 28-31	21 days @ \$150	3,150.00	
R.R. Culbert	July 3-19	17 days @ \$250	4,250.00	
R.J. Beaty	Aug. 11-12	2 days @ \$250	500.00	
Contract expenses (UIC, CPP, WC, etc)			<u>2,370.00</u>	10,270.00

2. Analytical costs (Acme Analy. Labs Ltd.)

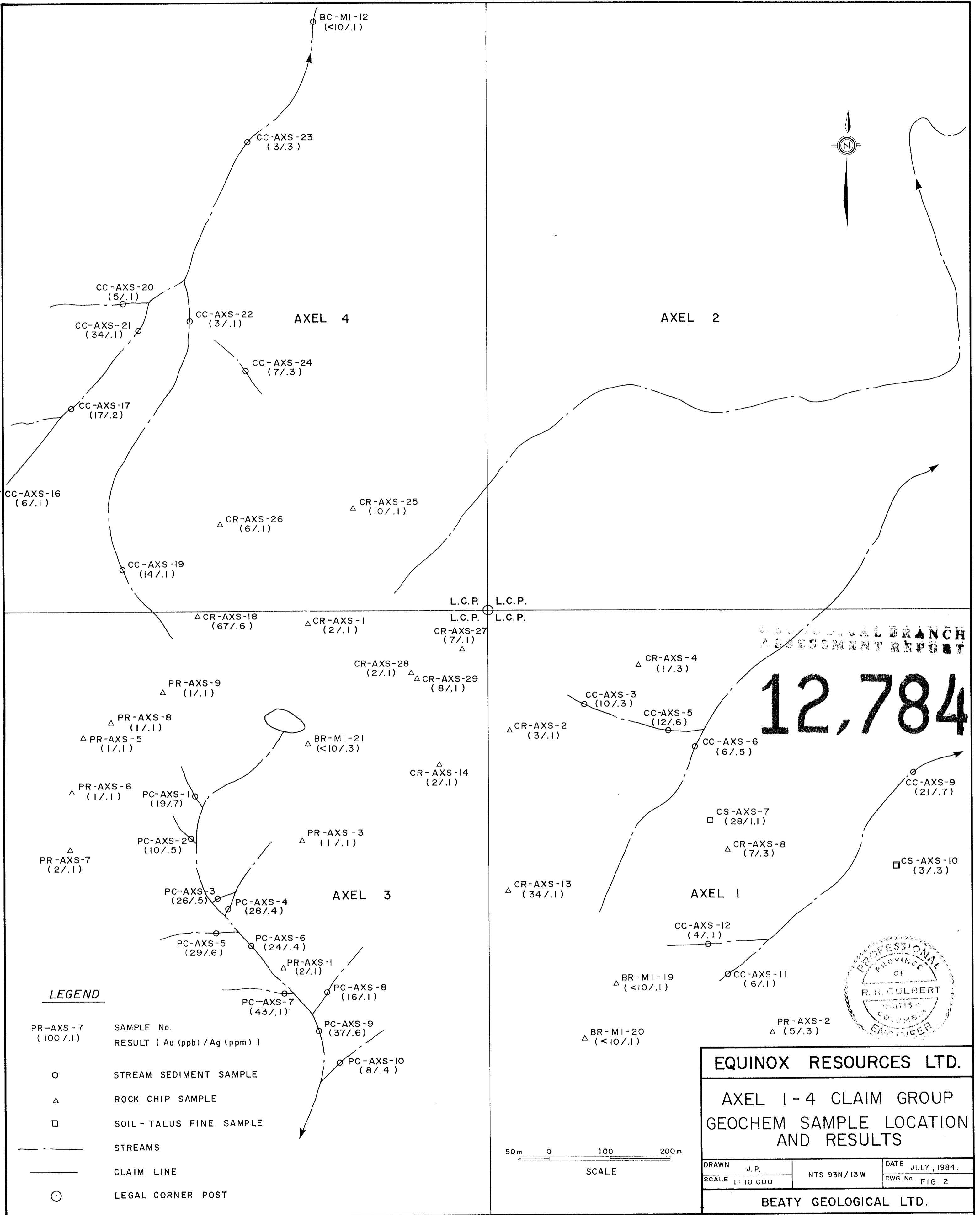
73 silt, 19 soil preps @ \$0.60; 51 rock preps @ \$2.75; 143 Au + Ag geochem analyses @ \$7.50				1,215.50
--	--	--	--	----------

3. Disbursements:

Meals, accommodation	710.00	
Maps, publications	81.26	
Telephone, radio communication	---	
Airfare, bus, taxi, plane charter	---	
Helicopter charter	1,794.11	
Truck rental (Toyota Landcruiser)	600.00	
Gas, oil	195.00	
Expendable field supplies	703.35	
Camp equipment rental	200.00	
Secretarial, accounting, report prep.	210.00	
Drafting	<u>140.00</u>	4,633.72

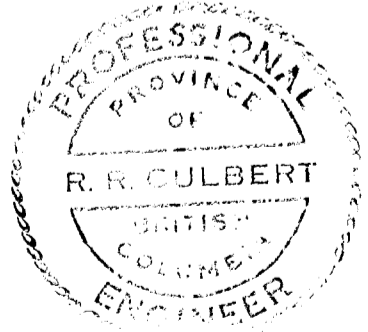
TOTAL COSTS ON AXEL PROPERTY

\$16,119.22



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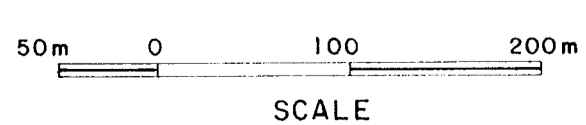
12,784

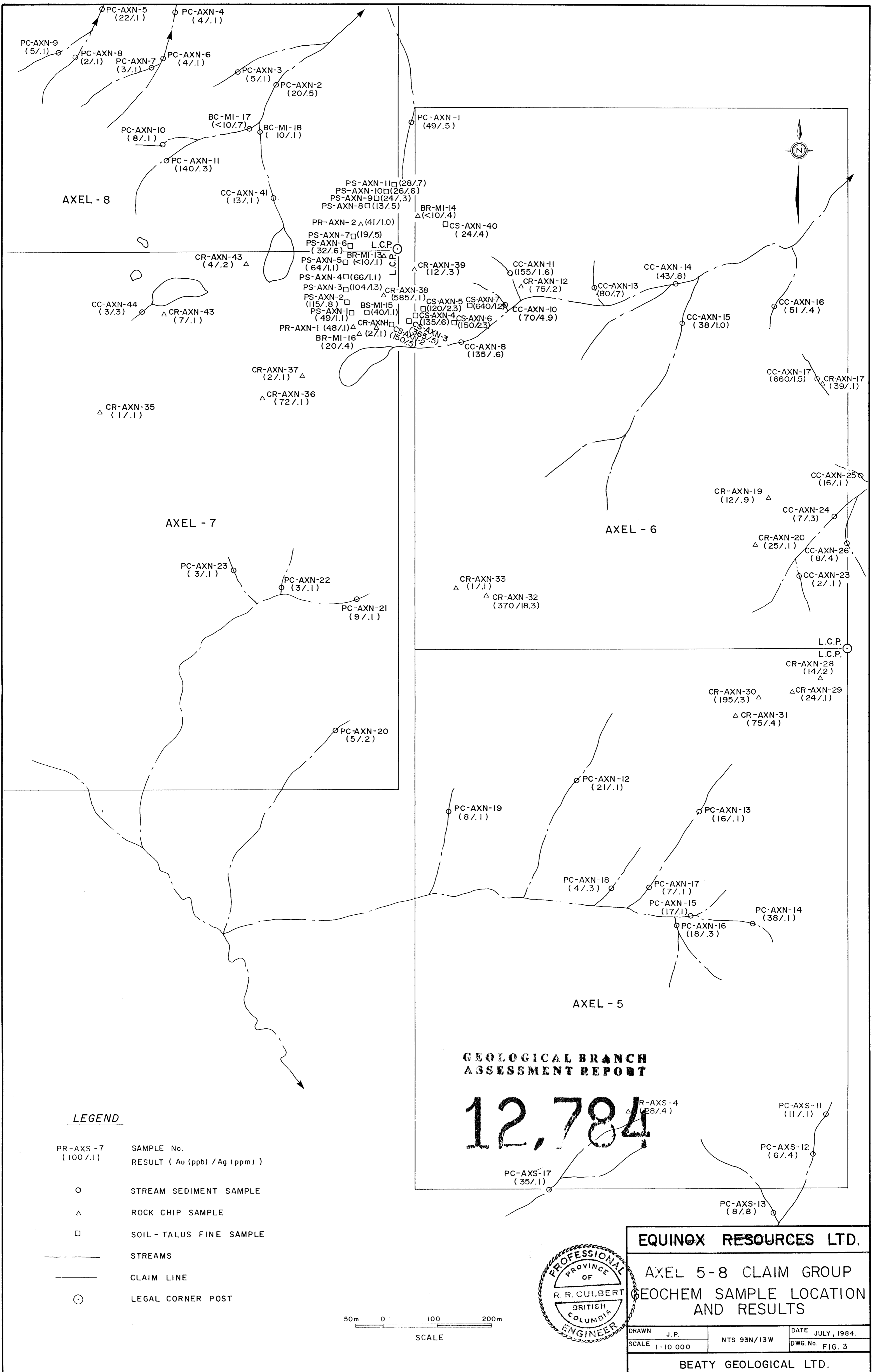


EQUINOX RESOURCES LTD.		
AXEL 1-4 CLAIM GROUP GEOCHEM SAMPLE LOCATION AND RESULTS		
DRAWN J.P.	NTS 93N/13W	DATE JULY, 1984.
SCALE 1:10 000		DWG. No. FIG. 2
BEATY GEOLOGICAL LTD.		

LEGEND

- | | |
|----------------------|--|
| PR-AXS-7
(100/.1) | SAMPLE No.
RESULT (Au (ppb) / Ag (ppm)) |
| ○ | STREAM SEDIMENT SAMPLE |
| △ | ROCK CHIP SAMPLE |
| □ | SOIL - TALUS FINE SAMPLE |
| --- | STREAMS |
| — | CLAIM LINE |
| ⊙ | LEGAL CORNER POST |





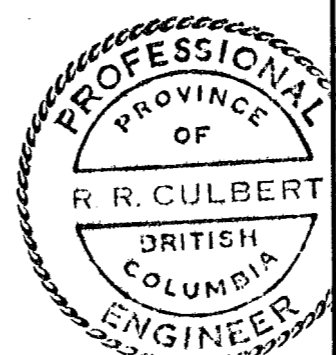
LEGEND

- PR-AXS-7 (100/1) SAMPLE No.
RESULT (Au (ppb) / Ag (ppm))
- STREAM SEDIMENT SAMPLE
- △ ROCK CHIP SAMPLE
- SOIL - TALUS FINE SAMPLE
- STREAMS
- CLAIM LINE
- ⊙ LEGAL CORNER POST

50m 0 100 200m
SCALE

**GEOLOGICAL BRANCH
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12,784



EQUINOX RESOURCES LTD.		
AXEL 5-8 CLAIM GROUP GEOCHEM SAMPLE LOCATION AND RESULTS		
DRAWN J.P.	NTS 93N/13W	DATE JULY, 1984.
SCALE 1:10 000		DWG. No. FIG. 3
BEATY GEOLOGICAL LTD.		