87-119-15819

3/88

1986 GEOLOGICAL AND GEOCHEMICAL REPORT

ON THE BLACK II MINERAL CLAIM

Toodoggone River Area
OMINECA M.D.
NTS 94E

Latitude 57°15' N
Longitude 127°05' W

FOR

First Allied Resources Ltd.
P.O. Box 49284
1984 - 1055 Dunsmuir Street
Vancouver, B.C.
V7X 1L3

BY

James S. Steel, B.Sc.
and
J. Paul Sorbara, M.Sc., F.G.A.C.
Hi-Tec Resource Management Ltd.
1590 - 609 Granville Street
Vancouver, B.C.
V7Y 1C6

October 23, 1986

HI-TEC
RESOURCE
MANAGEMENT
LIMITED

TABLE OF CONTENTS

SUMMARY

The Black II mineral claim is located in the Toodoggone River area, some 250 kilometers north of Smithers, B.C. The Toodoggone gold belt extends from the Stikine River to Thutade Lake and hosts numerous precious metal prospects.

Based on the areas of anomalous gold, silver, arsenic and copper delineated as a result of the 1985 exploration program (Bell, 1985), a detailed soil and silt geochemical sampling program as well as geological mapping was carried out. The eastern part of the claim shows a gold, silver and arsenic anomaly in close proximity to a postulated north trending fault. The center of the claim shows highly anomalous gold values in silts and the western part of the claim exhibits large faults and fault zones with attendant splays truncating major lithologic units.

INTRODUCTION

Location and Access

The Black II claim is situated in the Toodoggone River area, 250 kilometers north of Smithers, B.C. and is approximately four kilometers southeast of the Baker gold-silver mine of Dupont of Canada Exploration Ltd. Approximate geographic coordinates are 57°15' North and 127°05' West. Access to the Black claims is by fixed-wing aircraft to the Sturdee River airstrip, and then by gravel road for 7 kilometers to the north.

While conducting the work herein reported, the crew stayed at a base camp at the Sturdee airstrip and accessed the property by helicopter.

Property and Ownership

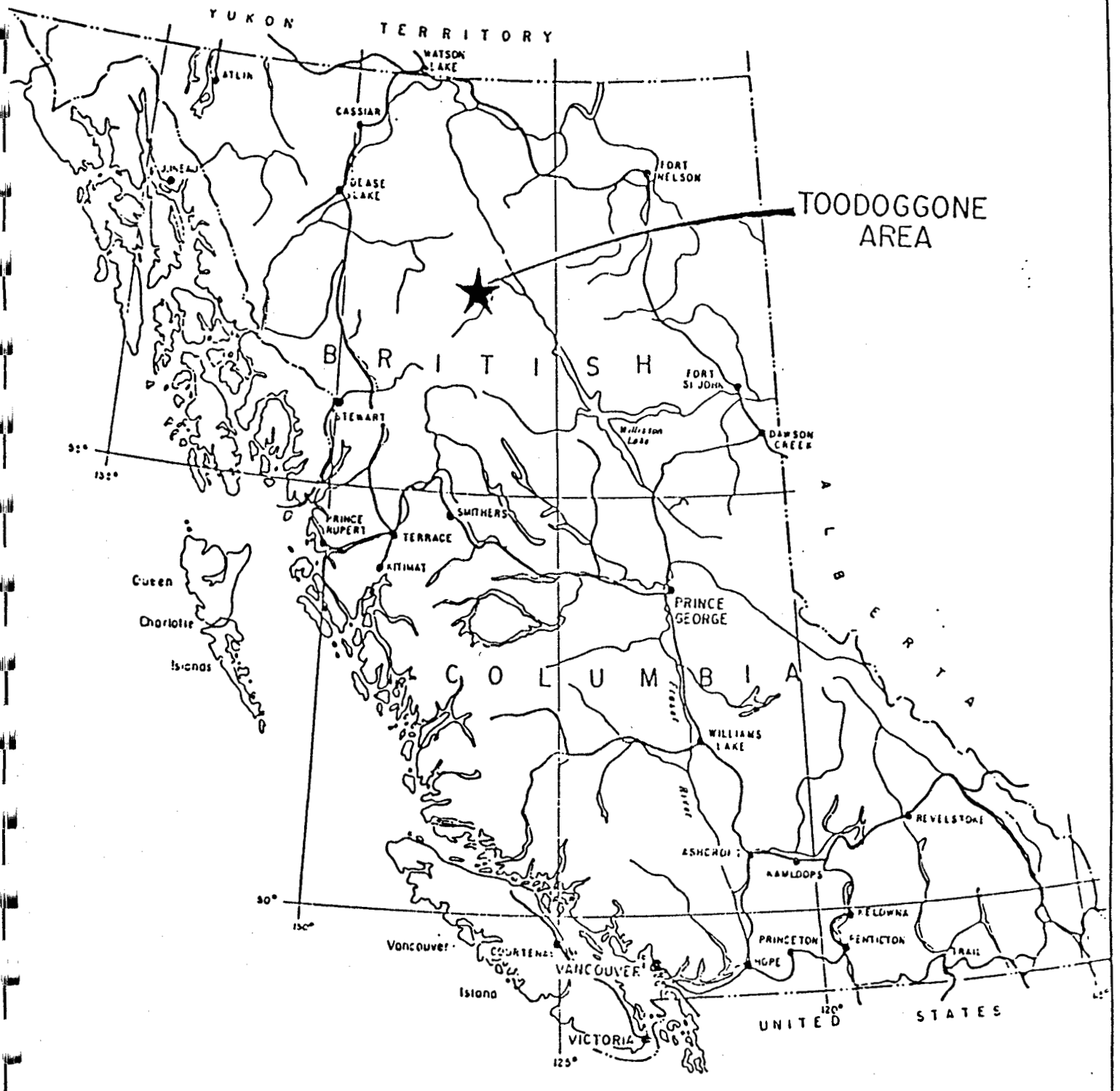
The Black II claim, owned by First Allied Resources Ltd., comprises 15 claim units (Figure 2) and was recorded on March 25, 1985. The pertinent claim data are as follows:

Claim	Record No.	Units	Record Date
Black II	6923	15	March 25, 1985

History and Previous Work

The earliest record of exploration and mining in the area relates to placer mining activities on McClair Creek and Toodoggone River in 1930. There was sporadic exploration for gold, copper, lead and zinc between 1934 and 1960. The area was actively explored by Sumitomo, Umex and Texas Gold Sulphur between 1963 and 1967, and in 1968 for porphyry copper and molybdenum deposits by Kennco Exploration (Western) Ltd., Cominco Ltd., and Cordilleran Engineering Ltd.

Kennco Exploration (Western) Ltd. recognized the precious metal potential of the area, staked the Lawyers and Chappelle claims and explored them until 1975. The Chappelle property was eventually optioned to Conwest Explorations Ltd. and then to DuPont of Canada Exploration Ltd. This led to the discovery of the Baker deposit. The Baker mine was placed into production with indicated reserves of 70,000 tons with grades of 0.9 oz/T gold and 19.0 oz/T silver in the A vein. This deposit was mined out in 1983. The Lawyers property is presently held under option to Serem Inc. Surface and underground drilling has defined a deposit containing 1,000,000 tons grading 0.21 oz/T gold and 7.1 oz/T silver (Schroeter, 1985).



FIRST ALLIED RESOURCES LTD.

BLACK II CLAIM

Omineca M.D., B.C. NTS 94E/6,3

LOCATION MAP

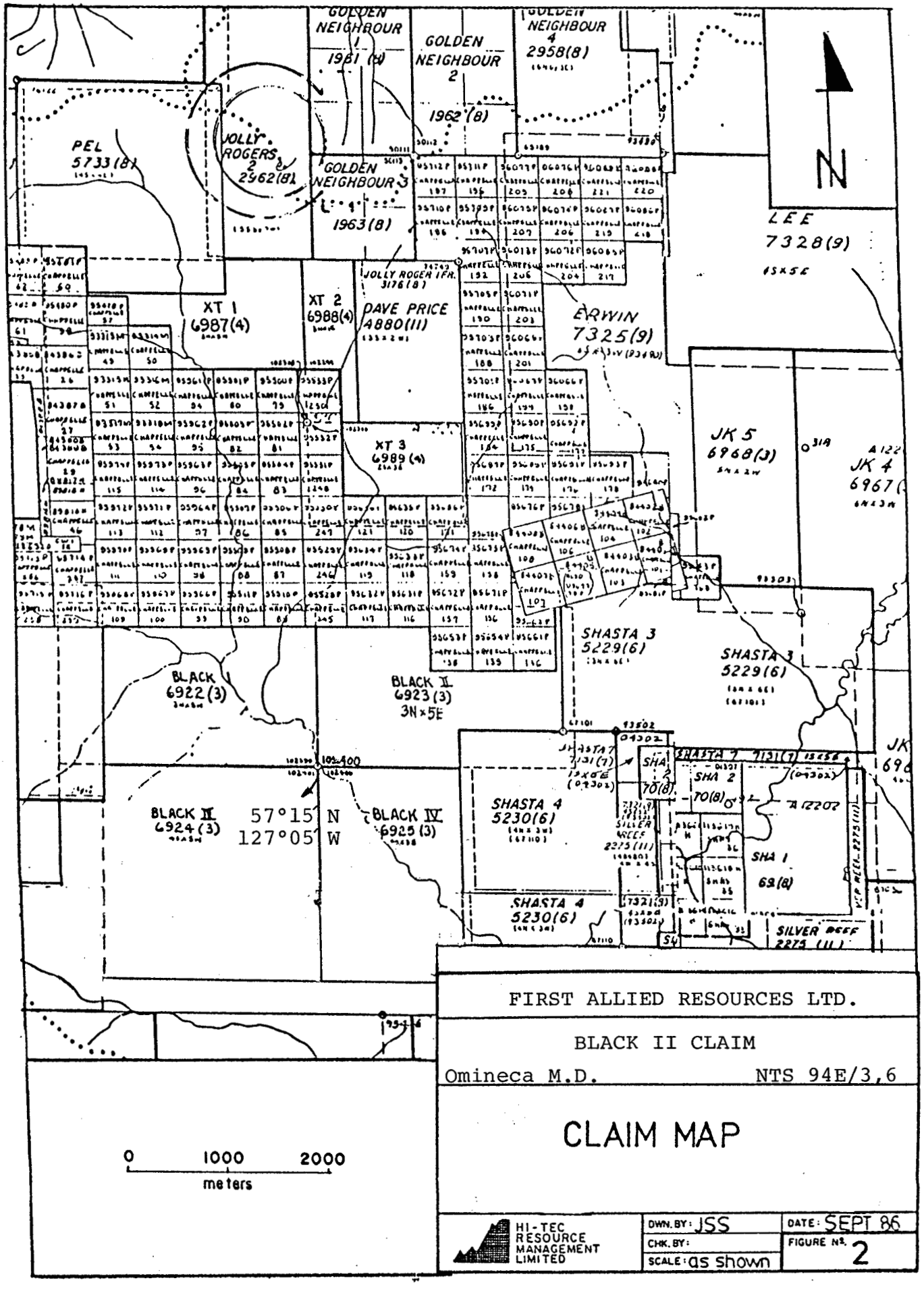
HI-TEC RESOURCE MANAGEMENT LIMITED

Dwn BY J.W DATE

Chk. BY

SCALE As shown

FIGURE #1



FIRST ALLIED RESOURCES LTD.

BLACK II CLAIM

Omineca M.D. NTS 94E/3,6

CLAIM MAP

HI-TEC RESOURCE MANAGEMENT LIMITED

DWN. BY: JSS	DATE: SEPT 86
CHK. BY:	FIGURE No. 2
SCALE: as shown	

Energex Minerals Ltd., Cassidy Resources Ltd., Golden Rule Resources Ltd. and Lacana Mining Corporation all had active exploration programs in the Toodoggone map-area during the 1986 field season.

There was no previous record of work done on the Black II claim until 1985 when a reconnaissance silt and contour soil geochemical sampling program was undertaken by Hi-Tec Resource Management Ltd., who held title to the claim at that time. Soil anomalies in gold and silver in soils were delineated in the eastern part of the claim and in silts from a creek draining that area. Structures favourable to the occurrence of mineralization were also noted in the west part of the claim.

REGIONAL GEOLOGY AND MINERALIZATION

The Toodoggone gold camp is a 15 to 20 kilometer wide belt of volcanic, sedimentary and intrusive rocks extending northwesterly from Thutade Lake to the Stikine River, a distance of more than 100 kilometers. The oldest rocks in the area belong to the Asitka Group of Permian age. This group consists of cherts, argillites, limestone and greenstones. These rocks are overlain by the Takla Group, which consists of intermediate flows and pyroclastics of Upper Triassic age. The Takla Group is characterized by abundant flows of augite andesite, basalt, feldspar porphyry and their volcaniclastic sedimentary equivalents.

The volcanic rocks lying stratigraphically above the Takla Group have been classified under two headings: 1) the Toodoggone Group and ii) the Hazelton Group. The Toodoggone Group is of Lower Jurassic age and is equivalent to the base of the Hazelton Group (Panteleyev, 1984). The Toodoggone volcanics consist predominantly of subaerial dacite, latite, trachyte and rhyolite pyroclastic rocks more than 500 metres in thickness, which unconformably overlie the Takla Group. The majority of

epithermal precious metal occurrences in the area are associated with the Toodoggone volcanic rocks. However, the Baker deposit occurs in Takla volcanic rocks.

The Toodoggone volcanics are bordered on the east by , and are in fault contact with, the Hazelton Group rocks consisting of intermediate volcanic conglomerate, breccia, lahar and abundant pink feldspar porphyry dikes and sills. These rocks range in age from Lower Jurassic to Upper Jurassic.

In addition to the abundant intrusive dikes and sills noted within the Toodoggone and Hazelton Groups, acid to intermediate and alkaline stocks and plugs also occur in the Toodoggone area.

The Toodoggone camp exhibits at least four types of precious metal mineralization, the most common of which is epithermal in origin. The epithermal deposits occur as massive quartz veins such as at the Baker mine, or as silicified zones and amethystine breccia zones such as at the Lawyers deposit. They are generally proximal to major northwest faults and are associated with siliceous volcanic centres, exhalative vents and zones of alteration within the Toodoggone volcanics. Quartz, barite and carbonate are the chief gangue minerals. Vein minerals are acanthite, pyrite, electrum, chalcopyrite, native gold, sphalerite and galena. Grades range from 0.1 to 1.0 oz/T Au and 1.0 to 20.0 oz/T Ag.

PROPERTY GEOLOGY AND MINERALIZATION

A northwest trending fault with small scale west trending splays crosscuts the Black II claim, separating the upper Triassic Takla Group augite porphyry basalt from the Black Lake quartz monzonite stock. The Takla Group rocks are in turn separated from the Lower to Middle Jurassic Toodoggone Group quartzose plagioclase crystal tuff, lapilli tuff and breccia by a north-west trending sinuous fault zone on the north boundary of the

claim and by a north trending fault in the centre of the claim (Fig. 3). The eastern part of the claim is underlain by the latter lithologies intermixed with andesitic quartzose biotite hornblende plagioclase ashflows (Diakow et al., 1985). A northwest trending fault has been postulated to cut these units in this area as well.

There are no known mineral occurrences on the Black claims. The presence of favourable Toodoggone Group volcanic rocks, however, as well as major faults on the property and the location between two precious metal deposits make it a target worth pursuing. The results of the geochemical survey reported herein support this belief.

GEOCHEMISTRY

Sampling and Analytical Procedures

A total of 341 soil samples, 30 silt samples and 6 rock samples were collected in 1986 for geochemical analysis from the Black group. This work was conducted by T. Archibald and G. Paeseler under the supervision of J. Steel of Hi-Tec Resource Management Ltd. during the period of July 4 to 9, 1986. Soil samples were collected from the "B" horizon at 50 metre intervals along grid lines spaced at 200 m and on a bearing of 067°. Samples were taken with a mattock from depths of 15 - 25 cm, placed in numbered kraft paper bags and shipped to Min-En Laboratories Ltd. in North Vancouver for analysis.

Soil and silt samples were dried at approximately 90°C and then sieved to minus 80 mesh. A 0.5 gram portion of each sample was extracted by digestion with nitric acid and aqua regia followed by six element ICP analysis. Rock samples were crushed before extraction and ICP analysis. Gold was extracted by aqua regia solution and measured by atomic absorption.

Presentation and Discussion of Results

The analytical results are presented in Appendix II. Significant anomalous values are plotted separately for each element on Figures 4a, 4b and 4c. It can be seen from these maps that a number of soils are highly anomalous for gold, silver, and arsenic while base metals are present as local anomalies.

Anomalies of all elements appear to follow a north to northwest trend. Arsenic and barite seem to parallel the creek in the center of the claim but do not appear to be associated elsewhere. Indeed, there does not appear to be an overlap of the anomalies of separate elements anywhere on the claim, with the exception of the strong gold, silver and arsenic anomaly in the eastern section.

Copper, lead and zinc are not strongly represented and generally occur as spot highs extending across two or three grid lines. There is also no apparent change in relative concentrations of elements across the faults as mapped on the western half of the property. Since a strong geochemical response in copper is absent in the area of the Takla Group rocks which are known to carry a higher than background copper concentration (D. Visagi, pers. comm.), it may be that the geochemical results obtained for this do not accurately reflect bedrock lithologies.

Correlation of values across a 200m distance may also tend to presuppose a set trend to anomalies unless the values on adjacent lines are highly anomalous and/or anomalies as plotted follow topographic variations or structural factors from line to line. As an example of these latter constraints, in the east-central part of the claim, coinciding roughly with a north-trending fault, a strong gold anomaly with two downslope extensions exists, with assay values reaching 490 ppb and 205 ppb. Silver and arsenic also have spot highs anomalous in this

area with values of 1.7 ppm and 16 ppm respectively being recorded. Values over 25 ppb gold, 1.0 ppm silver and 10 ppm arsenic are considered anomalous. Anomalous versus background concentrations of elements were determined using the log normal method of calculating geochemical contour intervals.

The silt samples assayed presented predominantly background values with one area returning very anomalous values in gold, reaching up to 1400 ppb. This area also showed a value of 2580 ppb gold in a panned concentrate sample taken during the 1985 field season and may be worthy of future consideration.

CONCLUSIONS

The geochemical sampling program conducted in 1986 has shown two areas of anomalous metal concentrations. The most attractive area lies in the east-central part of the claim and shows a combined gold, silver and arsenic anomaly with downslope extensions on adjacent grid lines. The second area is at the junction of the two creeks draining the central and east parts of the claim and consists of one anomalous and one very anomalous sample. The major fault and associated splays on the western portion of the property may still be a target for continued exploration. The results obtained warrant further work on the property.

RECOMMENDATIONS

The author recommends a program of close-spaced grid geochemical soil sampling and VLF-EM and magnetometer surveys over the two areas of gold anomalies and the northwest trending faults in the western part of the claim. A follow-up program of hand trenching should also be included should the results from the geophysical and geochemical surveys warrant it.

Respectfully submitted,

J-Paul Sonkey

HI-TEC RESOURCE MANAGEMENT LTD.

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APPENDIX I

Statement of Costs

COST STATEMENT

Black 2 Claim
First Allied Resources Ltd.

Salaries (July 4-9)		
J. Steel	5.5 days @ $250.00/day	$ 1,375.00
T. Archibald	5.5 days @ $210.00/day	1,365.00
O. Paeseler	5.5 days @ $210.00/day	1,365.00
Mobilization/Demobilization		2,591.09
Geochemistry		
371 soil-silt samples		3,839.05
6 rock samples		72.00
Freight		198.45
Domicile		430.94
Camp Equipment & Fuel		130.00
Communications		162.50
Field Equipment		162.50
Fixed Wing		467.47
Helicopter Support		1,461.60
Compilation of Field Data		
1 day @ $250.00/day		250.00
Supervision - J.P. Sorbara		526.50
Project Management		628.60
Report		500.00
	TOTAL:	$15,000.00

HI-TEC RESOURCE MANAGEMENT LIMITED

APPENDIX II

Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I, JAMES S. STEEL of #1608-1005 Jervis Street, Vancouver, British Columbia hereby certify:

1. I am a graduate of the University of British Columbia (1984) and hold a B.Sc. degree in geology.

2. I am presently employed as a project geologist with Hi-Tec Resource Management Ltd. of #1509 - 609 Granville Street, Vancouver, British Columbia.

3. I have been employed in my profession by various mining companies for the past two years.

4. The information contained in this report was obtained from an onsite property examination and supervision of the field work program conducted by Hi-Tec Resource Management Ltd. in 1986.

James S. Steel,
Project Geologist

DATED at Vancouver, British Columbia this 23rd day of October, 1986.

STATEMENT OF QUALIFICATIONS

I, J. PAUL SORBARA, of the Municipality of Delta, in the Province of British Columbia, hereby certify:

1. THAT I am a geologist residing at 6703 Nicholson Road, in the Municipality of Delta, in the Province of British Columbia.

2. THAT I graduated with a B.Sc. in geology from the University of Toronto, in the City of Toronto, in the Province of Ontario, in 1976, and with a M.Sc. in geology from the University of Toronto in 1979.

3. THAT I have practiced geology professionally from 1979 to 1986, including 5 years as an exploration geologist for Cominco Ltd.

4. THAT I am a registered Fellow of the Geological Association of Canada.

5. THAT I do not have, nor do I expect to receive any material interest in Armor Development Corporation claims in the Toodoggone gold belt, or any other claims in that area.

6. THAT I consent to the use of this report in a Prospectus or Statement of Material Facts for the purpose of private or public financing.

Signed: J. Paul Sorbara

J. Paul Sorbara, M.Sc., F.G.A.C.

October 23, 1986

APPENDIX III

Analytical Results

COMPANY: HI TEC RESOURCE MANAGEMENT — MIN-EN LABS ICP REPORT — (ACT:GE027) PAGE 1 OF 1

PROJECT NO: B86 — 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 — FILE NO: 6-475S/P1+2

ATTENTION: J.P.SORBARA/J.STEEL — (604)980-5814 OR (604)988-4524 — * TYPE SOIL GEOCHEM * — DATE:JULY 21, 1986

(VALUES IN PPM)	AG	AS	BA	CU	PB	ZN	AU-PPB
4+00S 3+00W	.5	1	123	22	31	64	5
4+00S 2+50W	.3	1	230	29	29	92	15
4+00S 2+00W	2.4	1	153	29	35	66	15
4+00S 1+50W	.6	19	120	36	48	68	5
4+00S 1+00W	.4	1	297	31	36	77	10
4+00S 0+50W	.2	2	111	27	31	84	5
4+00S 0+50E	.1	1	315	145	50	105	5
4+00S 1+00E	.2	6	211	16	31	59	5
4+00S 1+50E	.2	1	140	22	28	48	10
4+00S 2+00E	.7	7	217	21	43	45	5
4+00S 2+50E	.5	1	85	24	32	60	5
4+00S 3+00E	.7	11	286	98	57	85	5
4+00S 3+50E	2.0	21	35	227	71	49	15
4+00S 4+00E	.2	12	508	13	46	37	5
4+00S 4+50E	.4	10	164	19	39	59	5
4+00S 5+00E	.2	4	207	14	49	46	5
4+00S 5+50E	.1	4	162	17	38	48	5
4+00S 6+00E	.2	9	139	15	31	49	10
4+00S 6+50E	.6	3	120	29	35	52	5
4+00S 7+00E	.5	3	107	17	27	49	5
4+00S 7+50E	.3	2	134	19	29	55	5
4+00S 8+00E	.6	12	93	16	37	49	10
4+00S 8+50E	.9	1	114	16	23	46	5
4+00S 9+00E	.8	2	122	19	30	63	5
4+00S 9+50E	.8	1	360	19	27	49	5
4+00S 10+00E	.8	3	185	18	32	66	5
4+00S 10+50E	.6	1	196	16	27	59	5
4+00S 11+00E	.4	1	154	14	28	54	5
4+00S 11+50E	1.2	7	251	19	37	77	10
4+00S 12+00E	1.1	14	159	20	45	77	15
4+00S 12+50E	1.0	2	159	30	37	65	5
4+00S 13+00E	.2	2	109	29	39	91	5
4+00S 13+50E	1.7	4	130	28	35	123	10
2+00S 5+50W	.4	5	140	44	44	141	3
2+00S 5+00W	.3	1	130	97	39	68	5
2+00S 4+50W	.5	1	151	39	35	61	5
2+00S 4+00W	.8	1	120	42	36	63	5
2+00S 3+50W	.5	6	106	36	39	83	3
2+00S 3+00W	.2	1	155	40	35	53	5
2+00S 2+50W 20M	.1	1	269	126	39	90	10
2+00S 2+00W	.3	1	176	28	27	52	5
2+00S 1+50W	.7	1	167	18	22	59	5
2+00S 1+00W	.4	1	237	24	29	70	5
2+00S 0+50W	.5	2	109	26	36	68	5
2+00S 0+50E	.3	1	93	27	29	45	10
2+00S 1+00E	.5	3	123	14	28	44	5
2+00S 1+50E	.6	1	114	17	24	47	5
2+00S 2+00E	.5	1	119	17	32	60	5
2+00S 2+50E 20M	.3	1	164	47	36	66	15
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2+00S 3+50E	.6	1	190	11	22	26	5
2+00S 4+00E	.4	1	135	10	29	33	3
2+00S 4+50E	.3	13	186	14	42	31	5
2+00S 5+00E	.3	5	72	13	32	39	10
2+00S 5+50E	.7	1	152	32	27	41	5
2+00S 6+00E	.6	1	131	15	28	54	5
2+00S 6+50E	.7	1	88	13	25	38	5
2+00S 7+00E	.6	1	88	24	22	47	5
2+00S 7+50E	.2	1	81	11	28	43	10
2+00S 8+00E	.5	1	131	11	27	41	5

COMPANY: HI TEC RESOURCE MANAGEMENT — MIN-EN LABS ICP REPORT — (ACT:GE027) PAGE 1 OF 1

PROJECT NO: 886 — 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 — FILE NO: 6-4755/P3+4

ATTENTION: J.P.SORBARA/J.STEEL — (604)980-5814 OR (604)988-4524 — * TYPE SOIL GEOCHEM * — DATE:JULY 21, 1986

(VALUES IN PPM)	AG	AS	BA	CU	PB	ZN	AU-PPB
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2+00S 9+00E	.2	1	127	11	27	47	5
2+00S 9+50E	.3	1	110	9	24	53	10
2+00S 10+00E	.1	1	123	9	22	53	5
2+00S 10+50E	.1	1	136	9	21	35	5
2+00S 11+00E	.2	1	123	7	21	44	5
2+00S 11+50E	.3	1	100	9	29	52	5
2+00S 12+00E	.9	1	121	15	30	60	205
2+00S 12+50E 20M	1.0	1	108	21	4	7	5
2+00S 13+00E	.2	1	69	6	26	44	5
2+00S 13+50E	.8	10	113	13	41	83	5
2+00S 14+00E	1.1	1	105	9	8	16	5
0+00 11+00W N/S							
0+00 10+50W	.7	20	103	53	59	104	60
0+00 10+00W	.4	1	165	23	27	56	5
0+00 9+50W	.2	1	154	27	28	46	5
0+00 9+00W	.3	1	166	19	28	42	10
0+00 8+50W	.6	1	116	43	29	51	5
0+00 8+00W	.8	9	123	54	38	53	5
0+00 7+50W	.6	6	110	18	34	73	15
0+00 7+00W	.5	4	111	31	32	143	5
0+00 6+50W	.6	11	98	56	35	71	3
0+00 6+00W	.7	1	105	78	36	67	10
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0+00 4+50W	.5	10	92	40	38	57	5
0+00 4+00W	.5	1	113	34	31	65	3
0+00 3+50W	.6	10	117	29	39	69	5
0+00 3+00W	.4	1	117	67	25	48	5
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0+00 1+00E	.4	1	163	19	28	67	5
0+00 1+50E	.7	2	86	32	27	54	10
0+00 2+00E	.1	1	107	18	24	48	5
0+00 2+50E	.1	1	194	44	31	83	5
0+00 3+00E	.4	1	221	110	30	71	5
0+00 3+50E	.9	2	153	56	29	72	10
0+00 4+00E	.5	12	148	44	36	94	5
0+00 4+50E	.4	1	206	15	24	50	5
0+00 5+00E	.4	1	113	14	26	44	3
0+00 5+50E	.4	1	159	18	41	92	5
0+00 6+00E	1.0	1	134	14	27	66	15
0+00 6+50E	.7	10	122	24	37	53	5
0+00 7+00E	.9	1	150	16	33	42	5
0+00 7+50E	.5	1	124	20	33	68	5
0+00 8+00E	1.0	1	160	16	32	75	10
0+00 8+50E	.5	1	138	17	28	69	5
0+00 9+00E	.5	1	103	13	34	63	5
0+00 9+50E	.2	1	148	14	29	72	5
0+00 10+00E	.5	1	151	15	25	65	5
0+00 10+50E	.6	1	123	13	36	70	5
0+00 11+00E	.5	1	139	13	33	53	10
0+00 11+50E 40M	1.5	1	113	15	41	70	15
0+00 12+00E	1.4	1	95	12	35	60	15
0+00 12+50E	1.7	16	86	25	55	71	490
0+00 13+00E	1.5	13	97	22	42	63	90

COMPANY: HI TEC RESOURCE MANAGEMENT — MIN-EN LABS ICP REPORT — (ACT:GE027) PAGE 1 OF 1

PROJECT NO: 886 — 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 — FILE NO: 6-4755/P5+6

ATTENTION: J.P.SORBARA/J.STEEL — (604)980-5814 OR (604)988-4524 — * TYPE SOIL GEOCHEM * — DATE:JULY 21, 1986

(VALUES IN PPM)	AG	AS	BA	CU	PB	ZN	AU-PPB
0+00 13+50E	1.9	10	89	24	36	58	50
0+00 14+00E	1.3	2	88	19	32	58	15
0+00 14+50E	2.2	6	123	29	34	70	20
2+00N 10+00W	.4	1	257	23	22	58	5
2+00N 9+50W	.1	1	187	25	26	51	5
2+00N 9+00W	.4	1	133	20	32	48	5
2+00N 8+50W	.7	1	115	40	32	58	10
2+00N 8+00W	.9	8	116	26	33	71	5
2+00N 7+50W	.5	1	156	34	28	121	5
2+00N 7+00W	.2	1	114	57	29	63	10
2+00N 6+50W	.3	1	130	55	27	51	5
2+00N 6+00W	.6	1	127	120	29	46	5
2+00N 5+50W	.7	1	210	46	25	44	3
2+00N 5+00W	.5	1	195	75	26	41	5
2+00N 4+50W	.3	1	133	19	15	24	5
2+00N 4+00W	.6	1	91	41	28	42	10
2+00N 3+50W	.8	3	117	48	26	44	5
2+00N 3+00W	.6	1	69	82	19	33	5
2+00N 2+50W	.4	18	118	27	42	42	5
2+00N 2+00W	.2	1	95	26	26	37	10
2+00N 1+50W	.4	1	92	40	28	37	5
2+00N 1+00W	.4	1	80	40	27	49	5
2+00N 0+50W	.4	24	101	26	39	33	5
2+00N 0+50E	.2	1	117	19	27	31	10
2+00N 1+00E	.2	19	75	28	48	52	5
2+00N 1+50E	.3	2	117	41	38	69	5
2+00N 2+00E	.4	3	138	46	38	83	5
2+00N 2+50E	.7	21	86	32	42	44	10
2+00N 3+00E	.4	4	170	20	28	40	5
2+00N 3+50E	.2	3	110	15	23	30	5
2+00N 4+00E	.2	1	239	28	23	55	5
2+00N 4+50E	.3	8	101	21	34	42	5
2+00N 5+00E	.6	1	175	12	13	53	5
2+00N 5+50E	.4	1	194	18	16	46	5
2+00N 6+00E	1.0	1	192	20	37	59	5
2+00N 6+50E	1.3	1	191	34	33	65	5
2+00N 7+00E	.8	1	143	12	23	56	5
2+00N 7+50E	.7	11	83	13	38	41	5
2+00N 8+00E	.3	1	94	5	21	46	10
2+00N 8+50E 20M	.1	1	119	8	19	56	5
2+00N 9+00E	.4	1	95	14	26	46	5
2+00N 9+50E	.5	1	120	11	20	44	35
2+00N 10+00E	.6	1	137	14	28	40	5
2+00N 10+50E	.9	1	116	18	27	44	45
2+00N 11+00E	.3	1	56	9	16	32	10
4+00N 9+50W	.5	1	106	10	22	41	5
4+00N 9+00W	.7	7	119	24	34	76	5
4+00N 8+50W	1.0	36	91	16	52	48	5
4+00N 8+00W	.4	6	171	30	30	121	10
4+00N 7+50W	.9	1	131	58	30	63	5
4+00N 7+00W	.8	1	137	58	31	83	5
4+00N 6+50W	.8	1	115	17	19	37	5
4+00N 6+00W	.1	1	178	6	11	28	5
4+00N 5+50W	.2	1	157	11	22	42	3
4+00N 5+00W	.9	1	98	21	46	69	5
4+00N 4+50W	.9	1	93	20	25	36	5
4+00N 4+00W	.8	1	61	14	11	19	3
4+00N 3+50W	.4	1	64	19	20	44	5
4+00N 3+00W	.3	1	48	76	24	46	5
4+00N 2+50W	.4	1	96	15	15	26	5

COMPANY: HI TEC RESOURCE MANAGEMENT — MIN-EN LABS ICP REPORT — (ACT:GE027) PAGE 1 OF 1

PROJECT NO: 886 — 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 — FILE NO: 6-475S/P7+8

ATTENTION: J.P.SORBARA/J.STEEL — (604)980-5814 OR (604)988-4524 — * TYPE SOIL GEOCHEM * — DATE:JULY 21, 1986

(VALUES IN PPM)	AG	AS	BA	CU	PB	ZN	AU-PPB
4+00N 2+00W	.2	1	60	58	23	30	5
4+00N 1+50W	.1	1	50	25	29	215	3
4+00N 1+00W	.1	8	73	21	36	37	5
4+00N 0+50W	.3	1	97	37	31	50	5
4+00N 0+50E	.7	12	70	29	46	45	25
4+00N 1+00E	.8	30	79	22	46	44	5
4+00N 1+50E	.3	1	82	26	32	52	5
4+00N 2+00E	.2	1	64	85	19	40	10
4+00N 2+50E	.4	12	95	24	32	37	5
4+00N 3+00E	.9	1	121	27	18	37	5
4+00N 3+50E	.6	12	178	40	51	91	5
4+00N 4+00E	.6	1	83	15	19	32	3
4+00N 4+50E	.3	2	98	18	26	39	5
4+00N 5+00E	.2	1	219	28	34	56	10
4+00N 5+50E	.4	3	107	16	29	55	5
4+00N 6+00E	.2	9	114	15	38	50	10
4+00N 6+50E	.4	1	145	15	22	44	5
4+00N 7+00E	.3	1	292	29	28	59	5
4+00N 7+50E	.6	1	151	11	23	36	5
4+00N 8+00E	1.4	1	122	25	42	47	15
4+00N 8+50E	.6	1	141	10	22	31	10
6+00N 8+50W	.4	1	121	27	33	57	5
6+00N 8+00W	.3	1	131	13	25	47	5
6+00N 7+50W	.4	1	130	11	18	33	10
6+00N 7+00W	.7	1	127	28	28	63	5
6+00N 6+50E	.7	1	133	26	34	66	5
6+00N 6+00W	.5	1	109	12	23	37	3
6+00N 5+50W	.4	1	87	16	26	45	10
6+00N 5+00W	.4	1	104	17	25	44	5
6+00N 4+50W	.6	1	127	36	25	45	5
6+00N 4+00W	.2	1	113	22	28	45	5
6+00N 3+50W	1.8	1	51	174	52	237	10
6+00N 3+00W	.1	1	60	29	29	54	5
6+00N 2+50W	.1	1	82	11	23	40	5
6+00N 2+00W	.4	1	107	31	30	53	5
6+00N 1+50W	.1	1	50	51	25	40	3
6+00N 1+00W	.4	1	100	12	23	61	5
6+00N 0+50W	.9	1	155	32	23	71	5
6+00N 0+50E	.3	4	85	104	34	59	5
6+00N 1+00E	.1	1	165	59	21	33	5
6+00N 1+50E	.1	3	100	36	35	59	10
6+00N 2+00E	.3	17	128	65	42	65	5
6+00N 2+50E	.2	26	99	28	46	59	5
6+00N 3+00E	.1	1	118	37	27	55	3
6+00N 3+50E	.4	2	77	34	35	34	5
6+00N 4+00E	.8	14	147	57	48	57	10
6+00N 4+50E	.5	5	101	33	35	56	5
6+00N 5+00E	.4	27	108	38	56	55	30
6+00N 5+50E	.2	1	70	26	27	55	5
6+00N 6+00E	.3	1	163	39	36	85	5
6+00N 6+50E	.3	1	111	17	24	63	10
6+00N 7+00E	.4	1	132	31	26	71	5
6+00N 7+50E	.1	3	210	26	43	75	5
6+00N 8+00E	.1	1	130	28	27	68	5
6+00N 8+50E	.3	1	141	13	23	46	3
6+00N 9+00E	.7	5	119	18	37	50	5
6+00N 9+50E	.5	1	110	14	30	59	5
8+00N 7+50W	.2	1	95	9	18	27	10
8+00N 7+00W	.4	1	110	25	33	51	5
8+00N 6+50W	.6	1	89	29	30	51	5

COMPANY: HI TEC RESOURCE MANAGEMENT — MIN-EN LABS ICP REPORT — (ACT:GE027) PAGE 1 OF 1

PROJECT NO: B86 — 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 — FILE NO: 6-475S/P9+10

ATTENTION: J.P.SORBARA/J.STEEL — (604)980-5814 OR (604)988-4524 — * TYPE SOIL GEOCHEM * — DATE:JULY 21, 1986

(VALUES IN PPM)	AG	AS	BA	CU	PB	ZN	AU-PPB
8+00N 6+00W	.3	1	127	15	18	41	5
8+00N 5+50W	.1	1	129	26	32	64	10
8+00N 5+00W	.4	1	140	29	32	60	5
8+00N 4+50W	.8	4	102	18	34	48	5
8+00N 4+00W	.3	1	118	20	27	50	5
8+00N 3+50W	.1	1	119	23	29	61	10
8+00N 3+00W	.3	7	130	22	30	61	5
8+00N 2+50W	.5	1	121	20	29	57	5
8+00N 2+00W	.6	1	100	17	25	40	5
8+00N 1+50W	.2	1	136	31	28	52	3
8+00N 1+00W	.2	11	91	59	44	57	5
8+00N 0+50W	.4	13	186	28	35	49	5
8+00N 0+50E	.1	5	131	22	36	61	5
8+00N 1+00E	.5	6	136	49	35	51	5
8+00N 1+50E	1.1	1	140	43	32	47	10
8+00N 2+00E	.4	10	101	74	35	126	5
8+00N 2+50E	.6	22	42	339	50	61	5
8+00N 3+00E	.5	1	116	45	32	64	10
8+00N 3+50E	.6	7	123	34	38	66	5
8+00N 4+00E	.1	1	147	9	24	49	5
8+00N 4+50E	.2	5	179	28	42	83	5
8+00N 5+00E	.1	16	164	27	48	128	25
8+00N 5+50E 20M	.8	5	130	72	34	55	5
8+00N 6+00E 40M	.5	5	215	40	41	78	5
8+00N 6+50E	.6	15	135	34	38	67	3
8+00N 7+00E	.1	7	130	24	38	58	25
8+00N 7+50E	.6	7	131	23	33	74	5
8+00N 8+00E	.2	2	267	30	37	68	5
8+00N 8+50E	.5	1	153	12	22	42	10
8+00N 9+00E	.7	11	130	22	40	57	5
8+00N 9+50E	.9	5	138	17	37	65	5
8+00N 10+00E	.6	5	523	20	39	64	5
10+00N 7+00W	1.0	5	165	28	37	79	3
10+00N 6+50W	.4	1	117	32	27	55	5
10+00N 6+00W	.5	16	84	22	39	43	5
10+00N 5+50W	.7	15	89	30	32	66	10
10+00N 5+00W	.3	5	128	36	41	100	5
10+00N 4+50W	.5	1	127	34	28	72	5
10+00N 4+00W	.6	10	88	30	40	62	5
10+00N 3+50W	.5	10	105	25	39	60	5
10+00N 3+00W	.2	2	161	19	34	48	10
10+00N 2+50W	.8	8	114	30	36	60	5
10+00N 2+00W	.7	7	118	22	33	42	5
10+00N 1+50W	.3	1	137	15	18	37	5
10+00N 1+00W	.6	1	154	19	21	25	3
10+00N 0+50W	2.3	1	130	35	23	33	10
10+00N 0+50E	.7	15	107	33	40	51	5
10+00N 1+00E	.6	11	140	39	41	54	5
10+00N 1+50E	.4	9	126	33	36	51	10
10+00N 2+00E	.5	11	112	73	37	52	5
10+00N 2+50E	.7	13	158	57	40	57	5
10+00N 3+00E	.4	7	179	21	32	43	3
10+00N 3+50E	.3	5	96	20	36	53	5
10+00N 4+00E	.2	3	95	12	41	62	10
10+00N 4+50E	.3	2	134	11	33	51	5
10+00N 5+00E	.5	5	234	24	53	90	5
10+00N 5+50E	.5	13	121	17	45	46	5
10+00N 6+00E	.1	19	107	31	53	63	10
12+00N 0+50W	.3	3	199	22	34	54	5
12+00N 1+00W	.4	8	135	16	31	52	5

COMPANY: HI TEC RESOURCE MANAGEMENT — MIN-EN LABS ICP REPORT — (ACT:GE027) PAGE 1 OF 1

PROJECT NO: B86 — 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 — FILE NO: 6-4756/P11+12

ATTENTION: J.P.SORBARA/J.STEEL — (604)980-5814 OR (604)988-4524 — * TYPE SOIL GEOCHEM * — DATE:JULY 21, 1986

(VALUES IN PPM)	AG	AS	BA	CU	PB	ZN	AU-PPB
12+00N 1+50W	.3	2	193	26	32	55	5
12+00N 2+00W	.2	5	285	59	39	59	5
12+00N 2+50W	1.2	10	221	92	38	61	5
12+00N 3+00W	.7	13	114	33	38	55	10
12+00N 3+50W	.6	8	164	49	40	71	5
12+00N 4+00W	2.0	1	143	71	30	60	5
12+00N 4+50W	.2	6	179	22	45	74	5
12+00N 5+00W	.1	4	136	19	47	113	5
12+00N 5+50W	.3	6	109	25	51	85	10
12+00N 6+00W	1.3	20	208	30	60	78	15
BL 4+00S	.6	1	232	145	42	140	5
BL 3+50S	.6	3	119	47	33	60	5
BL 3+00S	.6	3	124	27	36	84	10
BL 2+50S	.7	2	117	27	30	61	5
BL 2+00S	.7	6	124	19	37	55	5
BL 1+50S N/S							
BL 1+00S	.8	1	126	12	21	50	10
BL 0+50S	.3	1	145	22	30	65	5
BL 0+00	.4	1	216	34	35	68	5
BL 0+50N	.9	1	152	69	34	57	5
BL 1+00N	.7	1	77	59	42	35	5
BL 1+50N	.5	1	73	40	38	55	10
BL 2+00N	.3	1	75	17	28	29	5
BL 2+50N	.5	1	98	34	38	31	3
BL 3+00N	.6	3	117	19	30	29	5
BL 3+50N	.8	13	101	30	41	59	5
BL 4+00N	.4	1	74	16	29	31	10
BL 4+50N	.2	3	113	30	35	69	5
BL 5+00N	.4	6	125	35	33	106	5
BL 5+50N	.7	1	155	24	30	59	5
BL 6+00N	1.2	1	85	141	29	52	5
BL 6+50N	.6	1	49	38	30	52	5
BL 7+00N	1.1	47	35	108	43	58	10
BL 7+50N	3.0	1	86	457	28	45	15
BL 8+00N	9.2	2	68	223	58	99	95
BL 8+50N	.1	1	93	16	30	43	5
BL 9+00N	.1	2	115	14	28	50	5
BL 9+50N	.1	1	103	13	27	38	5
BL 10+00N	.6	1	114	40	28	51	15
BL 10+50N	.3	1	141	17	24	48	5
BL 11+00N	.5	2	134	24	29	47	5
BL 11+50N	.4	1	144	8	23	46	3
BL 12+00N	.3	1	105	9	24	46	5
B86L1	.3	1	82	9	26	71	5
B86L2	.5	1	96	3	23	75	5
B86L3	.4	1	88	6	30	75	10
B86L4 40M	.3	7	67	8	38	69	5
B86L5 40M	.2	6	53	6	30	69	5
B86L6	.2	11	53	4	33	60	5
B86L7 40M	.6	9	43	6	30	58	5
B86L8 40M	.5	6	54	5	32	55	10
B86L9 40M	.5	3	57	3	29	57	5
B86L10 40M	.5	1	54	6	29	59	5
B86L11 40M	.4	1	74	8	26	56	5
B86L12 40M	.1	1	68	6	26	48	5
B86L13 40M	1.1	66 [.91]	62	14	74	69	5
B86L14 40M	.7	16	72	11	38	51	5
B86L15	.9	1	92	11	26	49	5
B86L16	1.0	28	91	14	50	61	1400
B86L17 40M	.7	6	106	10	28	63	5

COMPANY: HI TEC RESOURCE MANAGEMENT | MIN-EN LABS ICP REPORT | (ACT:GE027) PAGE 1 OF 1

PROJECT NO: B86 | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 6-4755/P13

ATTENTION: J.P.SORBARA/J.STEEL | (604)980-5814 OR (604)988-4524 | * TYPE SOIL GEOCHEM * | DATE:JULY 21, 1986

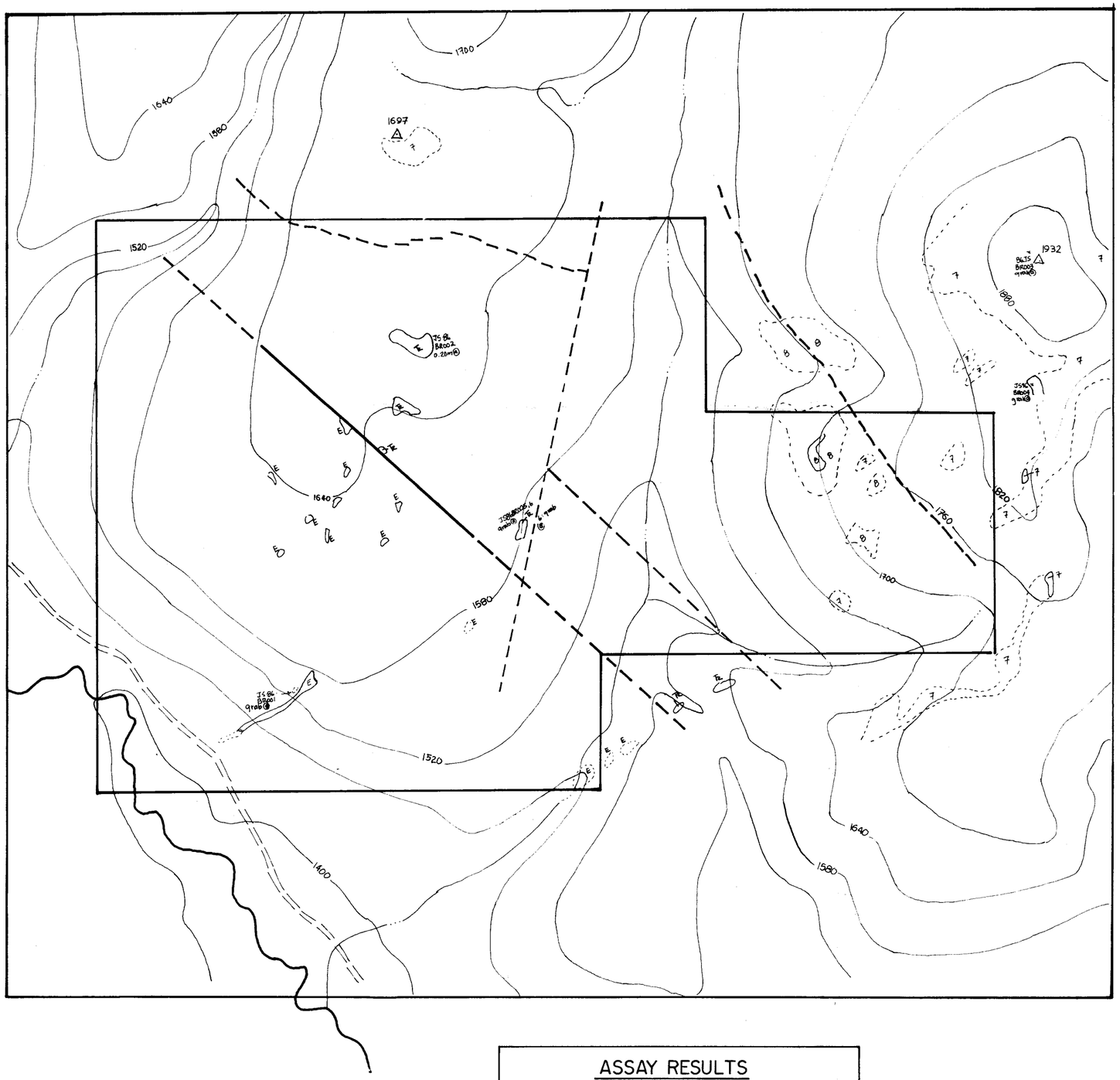
(VALUES IN PPM)	AG	AS	BA	CU	PB	ZN	AU-PPB
B86L17A	.2	1	118	19	27	62	5
B86L18 40M	.2	4	125	21	38	60	35
B86L19 40M	.2	1	131	19	30	54	5
B86L20	.3	8	121	20	37	52	5
B86L21 40M	.5	7	111	21	31	61	10
B86L22	.8	1	186	27	32	58	5
B86L23	1.2	2	149	19	24	51	5
B86L24 40M	1.3	1	75	15	28	51	5
B86L25	1.5	10	143	23	42	63	5
B86L26	.6	2	142	23	30	62	5
B86L27 40M	.4	1	125	22	28	59	10
B86L28 40M	.7	2	111	20	27	51	5
B86L29 40M	.7	9	100	18	31	50	5

COMPANY: HI TEC RESOURCES | MIN-EN LABS ICP REPORT | (ACT:GE027) PAGE 1 OF 1

PROJECT NO: B-86 | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 6-475

ATTENTION: J.P.SORBARA/J.STEEL | (604)980-5814 OR (604)988-4524 | * TYPE ROCK GEOCHEM * | DATE:JULY 21, 1986

(VALUES IN PPM)	AG	AS	BA	CU	PB	ZN	AU-PPB
86JSBR002	1.0	10	24	80	25	39	5
86JSBR003	.8	2	86	14	20	49	5
86JSBR004	.5	15	63	17	32	59	5
86JSBR005	1.6	1	42	86	10	29	5
86JSBR006	.4	1	72	12	32	52	5
86JSBR001	.8	1	117	9	22	47	5



N

LEGEND

- 8 — LOWER TO MIDDLE JURASSIC – DARK TO PALE GREY QUARTZ BIOTITE HORNBLENDE ASHFLOWS
- 7 — GREY OR PURPLE QUARTZOSE PLAGIOCLASE CRYSTAL TUFF
- TR — TRIASSIC– TAKLA GROUP: AUGITE PORPHYRY BASALT FLOWS
- E — LOWER TO MIDDLE JURASSIC – QUARTZ MONZONITE, GRANODIORITE

JS86 BR004X QKRS@ — ROCK SAMPLE LOCATION

FAULT, OBSERVED

FAULT, INFERRED

OUTCROP

FLOAT, TALUS

0 100 200 300m

ASSAY RESULTS

Sample No	Au ppb	Ag	As	Ba	Cu	Pb	Zn
		ppm					
86JSBR001	5	.8	1	117	9	22	47
86JSBR002	5	1.0	10	24	80	25	39
86JSBR003	5	.8	2	86	14	20	49
86JSBR004	5	.5	15	63	17	32	59
86JSBR005	5	1.6	1	42	86	10	29
86JSBR006	5	.4	1	72	12	32	52

FIRST ALLIED RESOURCES LTD.

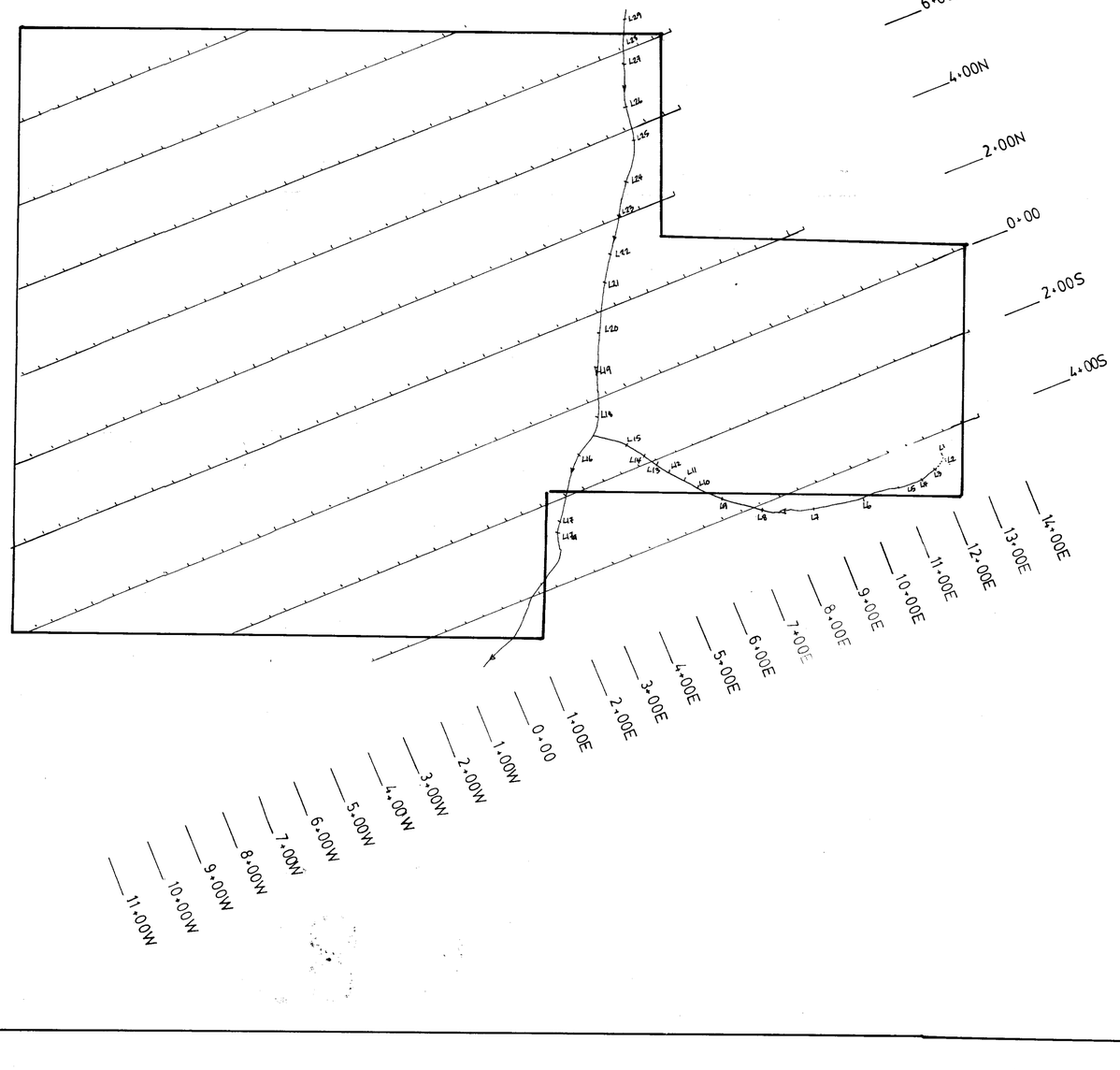
BLACK II CLAIM

OMINECA M.D. B.C. NTS 94E 6/3

PROPERTY GEOLOGY

HUNTEC RESOURCE MANAGEMENT LIMITED

DWN BY jss CHK BY SCALE 1:10,000 DATE sept 86 FIGURE No 3



N

LEGEND

SOIL SAMPLE LOCATION

L 21-SILT SAMPLE LOCATION

0 100 200 300m

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,819

FIRST ALLIED RESOURCES LTD.

BLACK II CLAIM

OMINECA M.D. B.C. NTS 94E 6/3

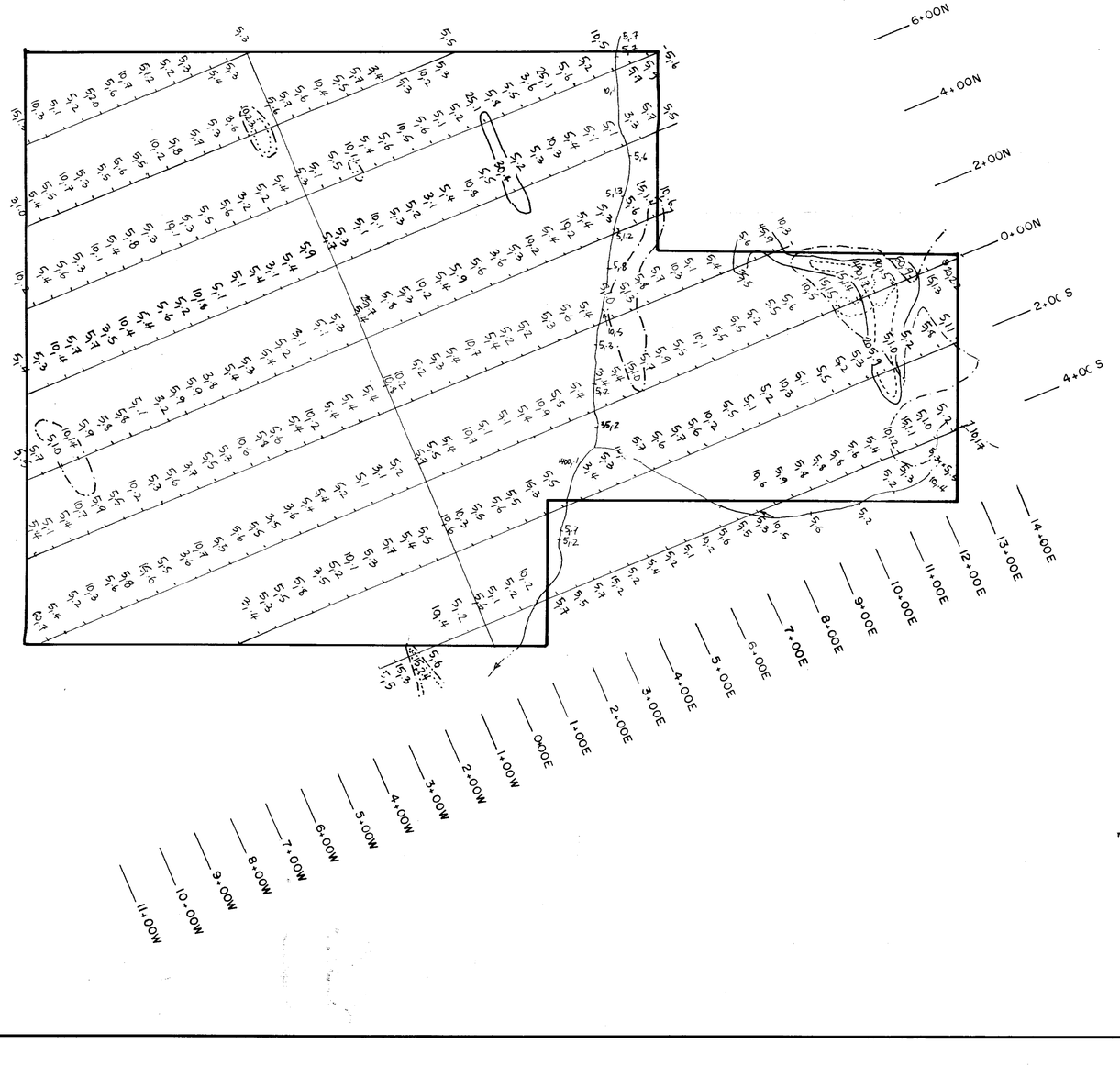
GEOCHEMICAL SAMPLE
LOCATION MAP

HI-TEC RESOURCE MANAGEMENT LIMITED

DWN BY JSS DATE sept 86

CHK BY

SCALE 1:10,000 FIGURE NO. 4a



N

LEGEND

15,1.0 Au (ppb), Ag (ppm)

——— AREA OF ANOMALOUS (>10ppb) GOLD
- - - - AREA OF VERY ANOMALOUS (>60ppb) GOLD
-·-·- AREA OF ANOMALOUS (>1.0ppm) SILVER
····· AREA OF VERY ANOMALOUS (>1.5ppm) SILVER

0 100 200 300m

GEOLOGICAL BRANCH ASSESSMENT REPORT

15,819

FIRST ALLIED RESOURCES LTD.

BLACK II CLAIM

OMINECA M.D. B.C. NTS 94E 6/3

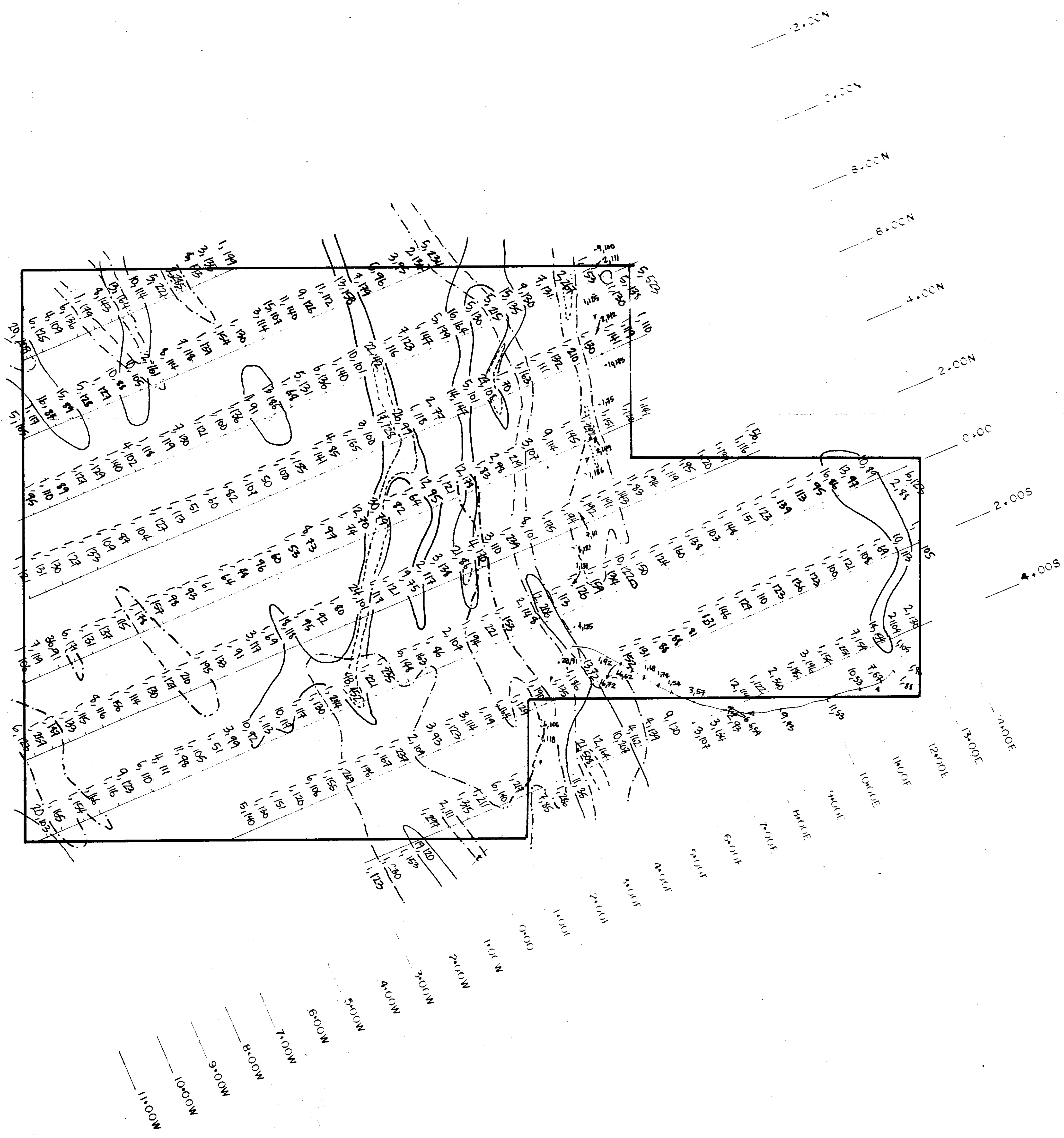
GEOCHEMISTRY
GOLD AND SILVER

HI-TEC RESOURCE MANAGEMENT LIMITED

DWN BY JSS DATE Sept 86

CHK BY

SCALE 1:10000 FIGURE Nº 4b



LEGEND

As (ppm), Ba (ppm)

AREA OF ANOMALOUS (>10 ppm) ARSENIC

AREA OF VERY ANOMALOUS (>20 ppm) ARSENIC

AREA OF ANOMALOUS (>160 ppm) BARITE

0 100 200 300m

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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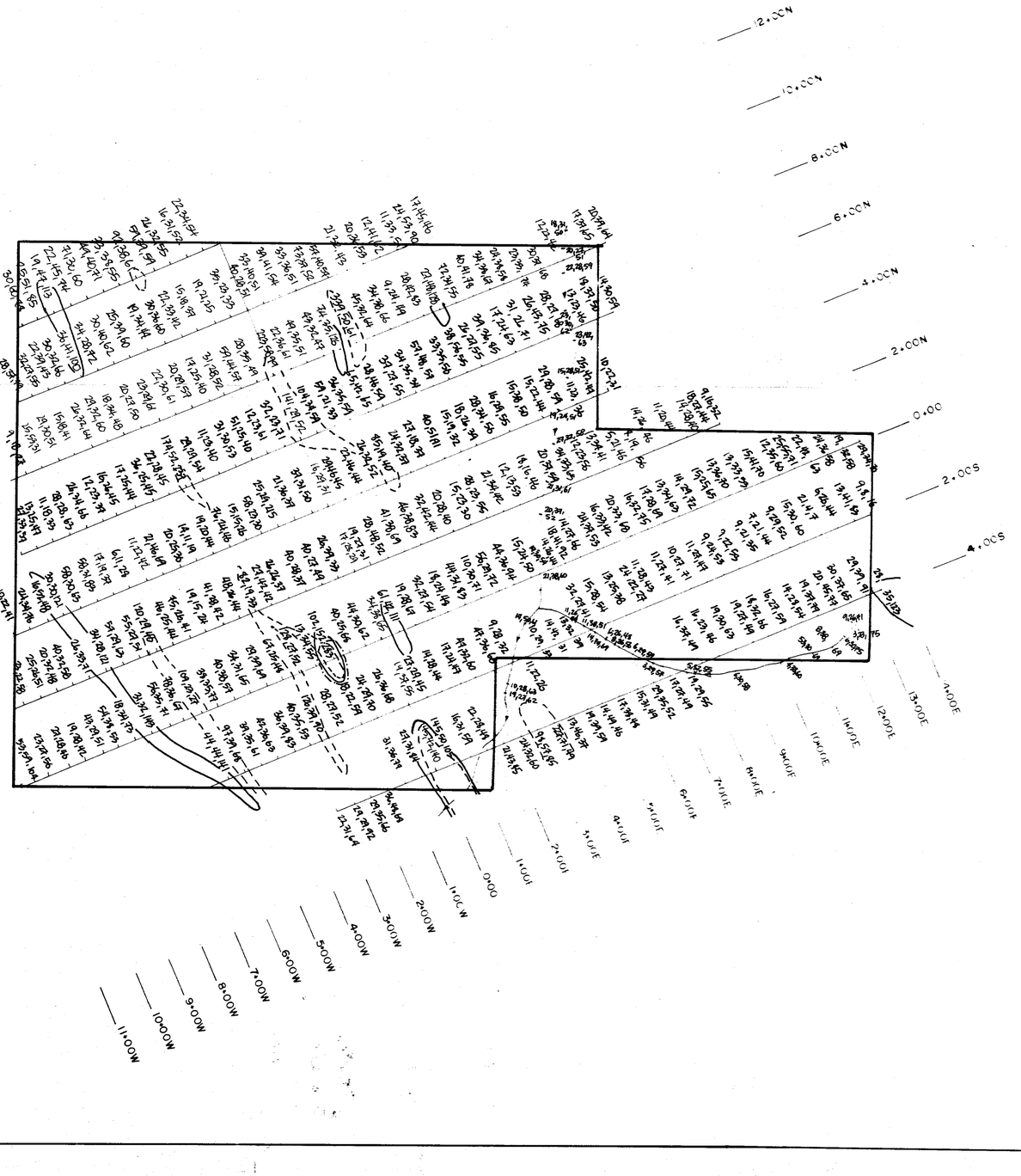
FIRST ALLIED RESOURCES LTD.	
BLACK II CLAIM	
OMINECA M.D. B.C.	NTS 94E 6/3
GEOCHEMISTRY ARSENIC AND BARIUM	
HI-TEC RESOURCE MANAGEMENT LIMITED	DWN. BY: JSS; CHK. BY: ; SCALE: 1:10,000
DATE: Sept 86	FIGURE No. 4c



N

LEGEND

80,63,100 Cu(ppm), Pb(ppm), Zn (ppm)

——— AREA OF ANOMALOUS (>80ppm) COPPER

-·-·- AREA OF ANOMALOUS (>63 ppm) LEAD

- - - - AREA OF ANOMALOUS (>100 ppm) ZINC

0 100 200 300m

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FIRST ALLIED RESOURCES LTD.

BLACK II CLAIM

OMINECA M.D. B.C. NTS 94E 6/3

GEOCHEMISTRY
COPPER, LEAD AND ZINC

HI-TEC RESOURCE MANAGEMENT LIMITED

DWN. BY | DATE

CHK BY | FIGURE Nº. 4d

SCALE