OPERATOR: RAT RESOURCES LTD.

OWNER: SMD MINING COMPANY LTD.

TA HOOLA PROPERTY

ASSESSMENT REPORT

Kamloops Mining Division

British Columbia

N.T.S. 92P/9W

Latitude 51°33'58"N

Longitude 120°22'46"W

by

Rebagliati Geological Consulting Ltd.

C. M. Rebagliati, P. Eng.

January 31, 1989

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SUMMARY

In July 1988, Rat Resources Ltd. undertook a four hole, 456.95 metre, NQ diamond drilling program on their Ta Hoola property. Two gold-multi-element soil geochemical anomalies were tested.

In Anomaly A, on the Ta Hoola 9 claim, Hole 88-7 intersected an iron carbonate altered interval containing a pyritic quartz-carbonate-veinlet. A 3.10 m interval from 11.10 m to 14.20 m ran 4293 ppb gold (0.125 oz/ton).

At Anomaly B, on the Ta Hoola 12 claim, 3 holes cross-sectioned an area of coincident IP and soil anomalies. Hole 88-4 intersected a 4.61 m thick carbonate-quartz vein from which a 1.4 m interval, from 75.6 m to 77.0 m, ran 620 ppb gold (0.018 oz/t) and 0.18% zinc. Hole 88-5 intersected a 0.94 m thick quartz-carbonate vein from 84.86 m to 85.80 m grading 1070 ppb gold (0.03 oz/ton, 39.8 ppm silver (1.16 oz/ton), 0.20% zinc and 0.16% lead.

The diamond drill program has demonstrated that structurally controlled gold-silver mineralization is present in veins and stockwork zones on the claims.

Additional exploration is warranted to evaluate the mineralized structures and to assess other unexplored anomalies.

INTRODUCTION

This report is based on the writer's knowledge of the area gained by the study of available government and private reports; regional studies; the supervision of exploration on the Ta Hoola property during the period 1981-1982; in-house corporate technical reviews of the 1984-1985 exploration programs; an

examination on July 13, 1986; the supervision of work undertaken in 1987 and 1988 on the claims adjoining the east side of the Ta Hoola 9 & 12 claims; the supervision of the 1987 diamond drilling program; the geochemical surveys undertaken in 1988; and the direct supervision of the diamond drilling program undertaken during June and July, 1988.

LOCATION AND ACCESS

The Ta Hoola claim block is located approximately 25 km northwest of Little Fort, British Columbia on NTS Map Sheet 92P/9 at latitude 51°33'58"N and longitude 120°22'46"W (Figure 1).

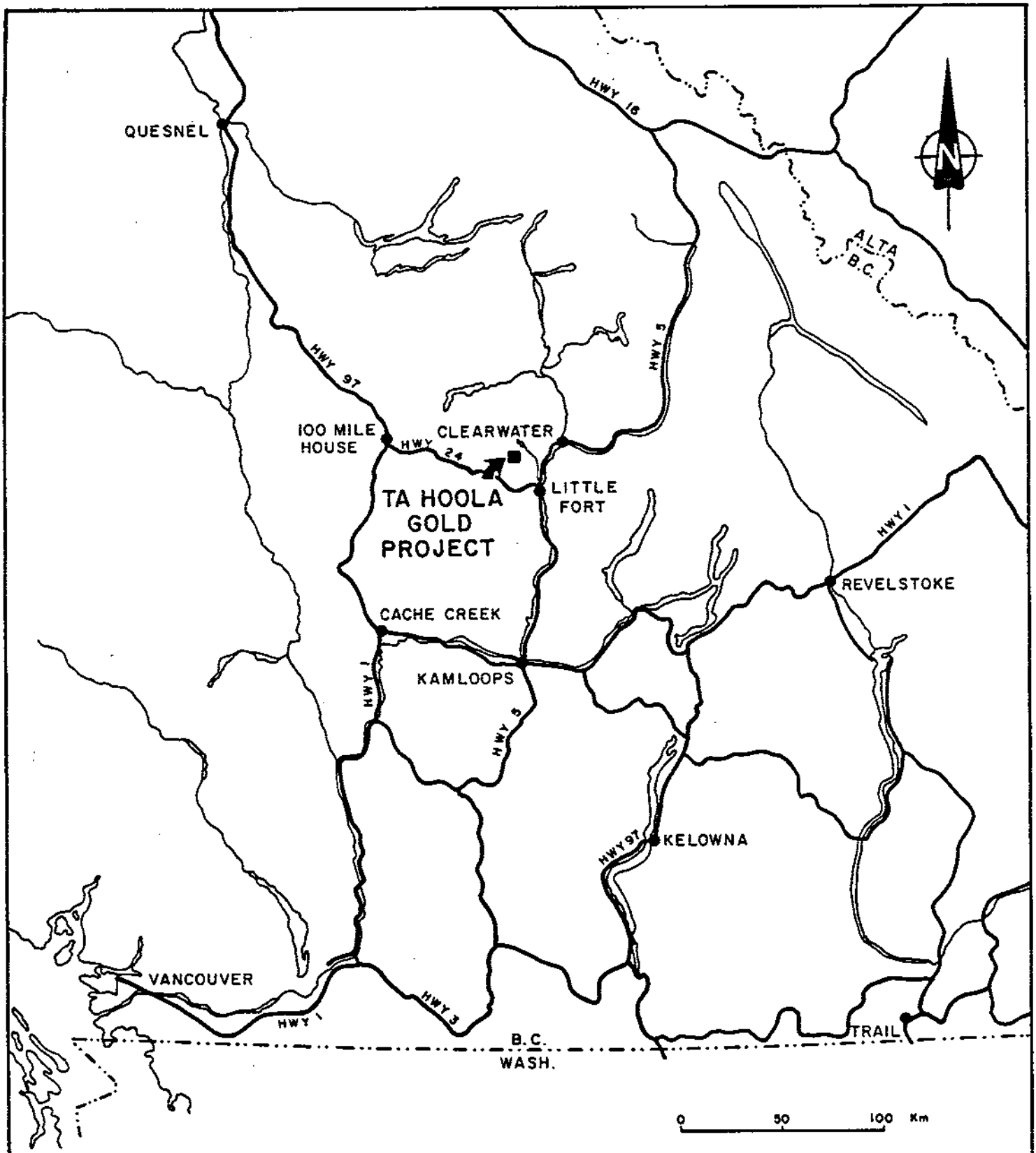
A network of good quality logging roads provides easy access to the southern half of the property from Highway 24, which links the Yellowhead South Highway (No. 5) along the North Thompson River at Little Fort to the Cariboo Highway (No. 97) at 100 Mile House. Rough range roads provide good 4-wheel-drive access to the northern claims.

The property lies within the Thompson Plateau, a part of the Interior Plateau characterized by rolling uplands with rounded hills and numerous small lakes. Topography within the claim is moderate and elevations range from approximately 1300 m to 1600 m (a.s.l.).

Vegetation consists of a mature spruce, fir and jack pine forest. Underbrush is moderately thick near moist valley bottoms and thins at higher elevations. Portions of the Silver 1, 2 and Ta Hoola 9 & 10 claims have been logged.

CLAIMS

The 166-unit Ta Hoola-Silver claim block is owned by SMD Mining Co. Ltd. Rat Resources Ltd. hold an option to earn a 50%



RAT RESOURCES LTD.

TA HOOLA GOLD PROJECT

LOCATION MAP

Aug., 87

Figure 1

interest in the claims. The 20-unit Rock Island claim is jointly owned by SMD and Rat Resources (Figure 2).

Essential claim data are as follows:

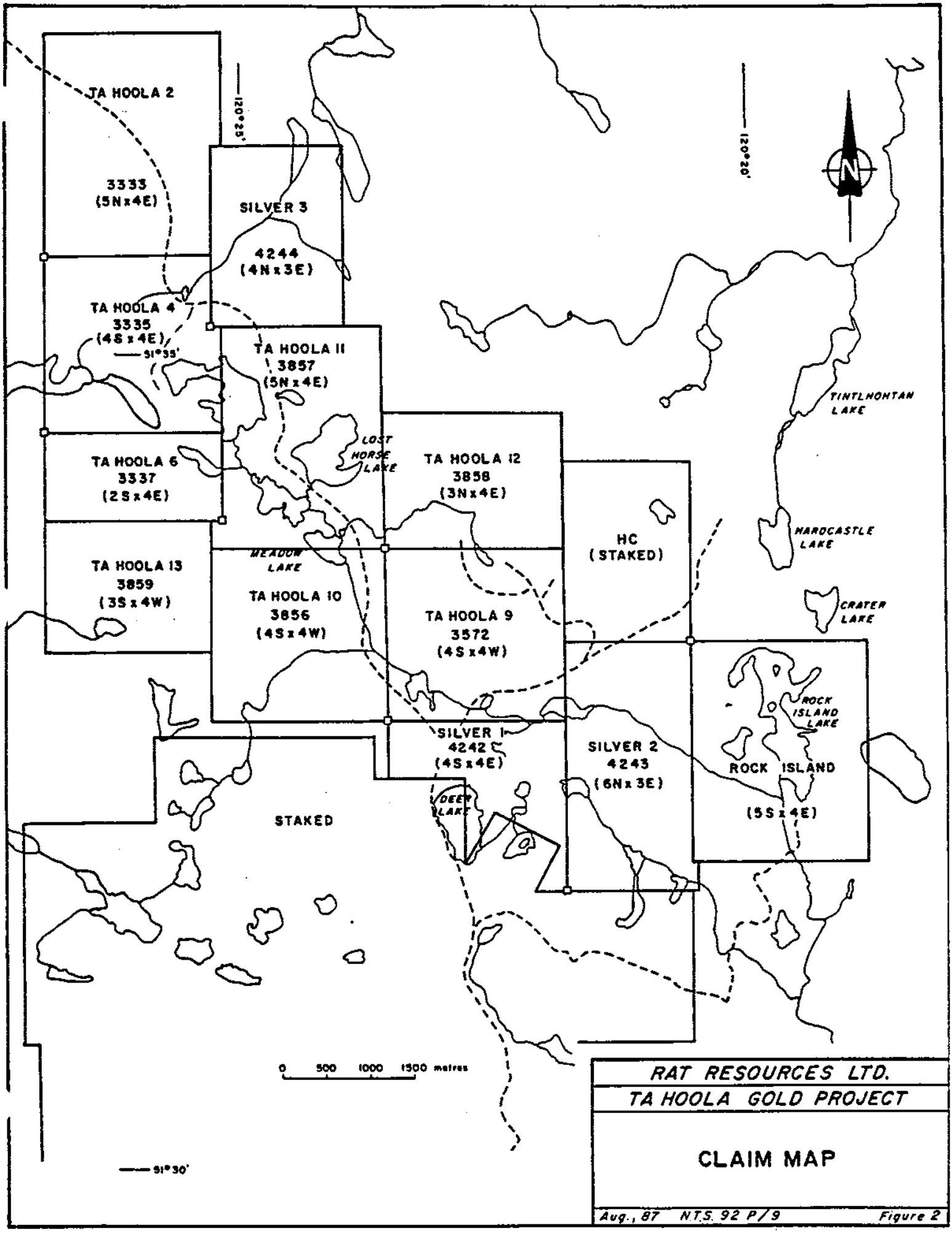
Claim Name	Record No.	No. of Units	Mining Division	Recording Date	Expiry Date
Ta Hoola 2	3333	20	Kamloops	Mar.17/81	Mar.17/92
Ta Hoola 4	3335	16	"	Mar.17/81	Mar.17/94
Ta Hoola 6	3337	8	"	Mar.17/81	Mar.17/92
Ta Hoola 9	3572	16	"	Jun.11/81	Jun.11/92
Ta Hoola 10	3856	16	"	Oct.16/81	Oct.16/89
Ta Hoola 11	3857	20	"	Oct.16/81	Oct.16/89
Ta Hoola 12	3858	12	"	Oct.16/81	Oct.16/89
Ta Hoola 13	3859	12	"	Oct.16/81	Oct.16/91
Silver 1	4242	16	"	Nov.17/81	Nov.17/93
Silver 2	4243	18	"	Nov.17/81	Nov.17/92
Silver 3	4244	12	"	Nov.17/81	Nov.17/94
Rock Island	7237	20	"	Aug.20/87	Aug.20/91
		186 units			

EXPLORATION HISTORY

The Deer Lake-Friendly Lake district has a long exploration history. In 1930, the Lake View gold skarn deposit was discovered at the south end of Deer Lake.

A second prospect discovered in the 1930's is reported by Hirst (1966) to be located near Silver Lake. Hirst describes it as a zinc-lead-silver prospect occurring in a zone of sheared argillite. This prospect has not been relocated by the writer.

Since the mid-1960's, various parts of the Ta Hoola property have been explored by Anaconda American Brass Ltd. (1965 - 1968), United Copper Corporation (1966-1968), Imperial Oil Ltd. (1972-1973), Prism Resources (1972), Barrier Reef Resources (1972-1973), Cities Service Mineral Corp. (1973-1975), Meridian Resources (1977), Commonwealth Mining (1979-1982), SMD Mining Co.


TA HOOLA 2
3333
(5N x 4E)
SILVER 3
4244
(4N x 3E)
TA HOOLA 4
3335
(4S x 4E)
TA HOOLA 11
3857
(5N x 4E)
TA HOOLA 6
3337
(2S x 4E)
TA HOOLA 12
3858
(3N x 4E)
TA HOOLA 13
3859
(3S x 4W)
TA HOOLA 10
3856
(4S x 4W)
TA HOOLA 9
3572
(4S x 4W)
HC
(STAKED)
SILVER 1
4242
(4S x 4E)
SILVER 2
4243
(6N x 3E)
ROCK ISLAND
(5S x 4E)
STAKED
LOST HORSE LAKE
MEADOW LAKE
DEEP LAKE
TINTLHOHTAN LAKE
HARDCASTLE LAKE
CRATER LAKE
ROCK ISLAND LAKE
120°25'
120°20'
51°35'
51°30'
N
0 500 1000 1500 metres
RAT RESOURCES LTD.
TA HOOLA GOLD PROJECT
CLAIM MAP
Aug., 87 N.T.S. 92 P/9 Figure 2

Ltd. (1981-1982), Lornex Mining Corporation Ltd. (1983), and Selco Division - BP Resources Canada Ltd. (1984-1986).

In the period 1965 to 1981, the exploration was directed towards porphyry copper and molybdenum deposits and comprised of repeated soil geochemical and IP surveys. In the 1960's, Anaconda drilled several holes, on ground now covered by the Ta Hoola 4 claim, to test Cu-Mo. Low grade copper-molybdenum mineralization was encountered in potassium metasomatized volcanic rock.

Imperial Oil drilled several widely-spaced percussion drill holes to test a broad area of high IP response on the Ta Hoola 2 and 4 claims. Trenches excavated by SMD Mining Co. Ltd. at the east end of Friendly Lake exposed a pyritic carbonate alteration zone which ran 370 ppb gold across 11 m, and was also anomalous in copper, molybdenum and arsenic. In 1982, SMD Mining withdrew from exploration in British Columbia, and the property was farmed out to Lornex.

In 1983, Lornex drilled several short vertical percussion holes on geochemical-IP targets. No ore grade intersections were obtained.

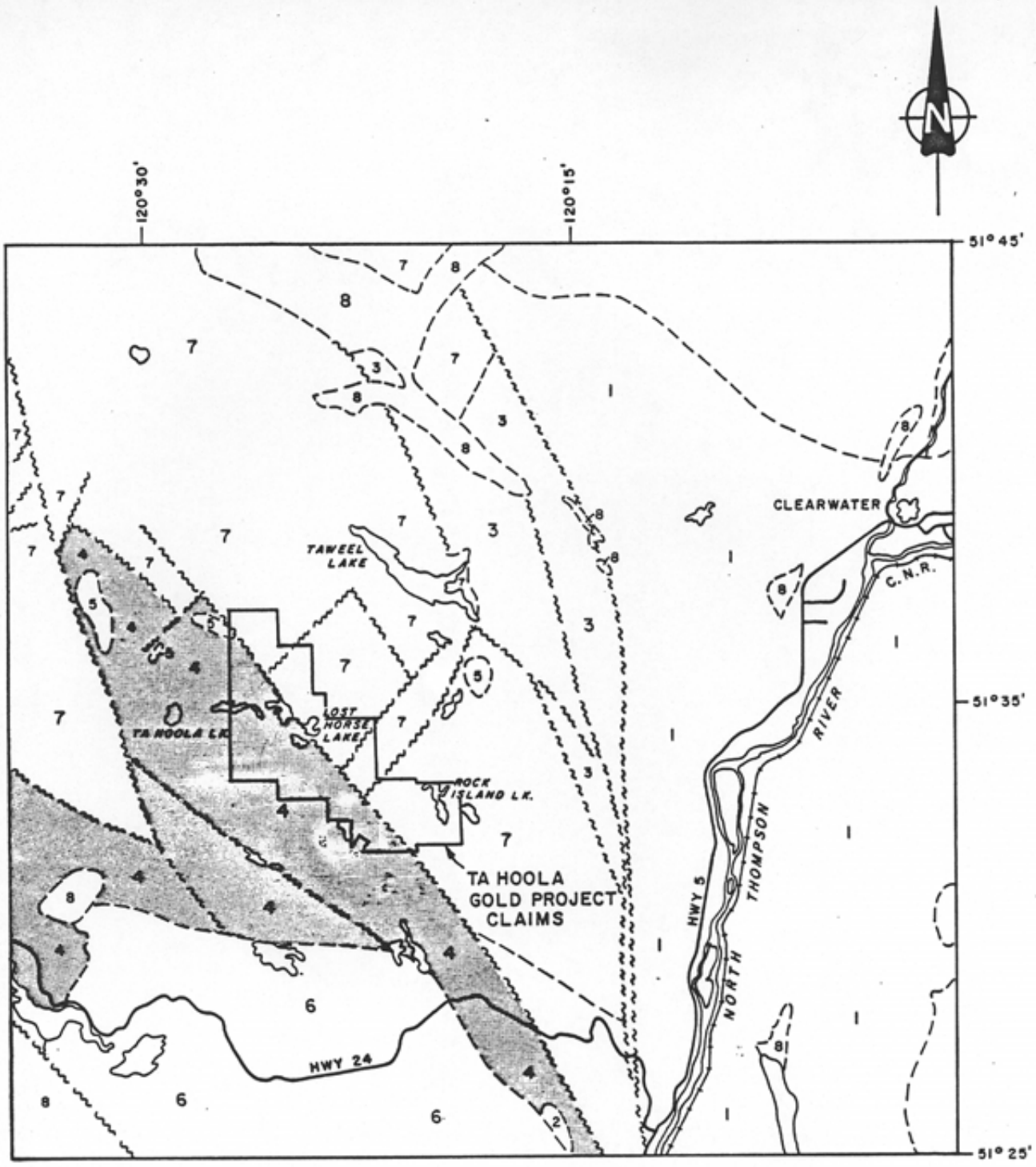
In 1984, Selco/BP optioned the claims and undertook more geological, soil geochemical and IP surveys; identifying several new anomalies. In 1985, several of the anomalies were trenched. Thick overburden (greater than 4 m) and flooding prevented the anomalies from being adequately assessed. A program of diamond drilling was proposed to assess the overburden-covered IP and soil anomalies, however, the property became inactive in late 1985 when the Company's western Canadian exploration budget was sharply reduced.

In August of 1987, Rat Resources Ltd. optioned the Ta Hoola property from SMD Mining Co. Ltd. and, in September, sank three diamond drill holes comprising 310 m to test the auriferous carbonate alteration zone situated east of Friendly Lake. In 1988, Rat Resources Ltd. extended the previous soil geochemical grids and sank four NQ diamond drill holes comprising 457 metres to test geophysical-geochemical anomalies situated on claims Ta Hoola 9 and Ta Hoola 12.

REGIONAL GEOLOGICAL SETTING

The Ta Hoola property is situated within the Quesnel Trough, a 2000 km long northwesterly-trending belt consisting of Upper Triassic - Lower Jurassic volcanic rocks, derived sedimentary rocks and intrusives. The belt is characterized by a volcanic core of Triassic subaqueous andesite pyroxene porphyritic flows, tuffs and breccias. Interbedded with the volcanics are calcareous argillite, siltstone, silicious cherty sediments and limestone. On the eastern and western margins of the volcanic core is an overlying and flanking sequence of Lower Jurassic pyroxene porphyritic volcaniclastic breccias with proximal to distal epiclastic sediments consisting of conglomerate, greywacke and argillite (Figure 3). To the extreme east are fine clastic sediments, consisting of a siltstone, shale and argillite assemblage, which appear to form the base of the Triassic sequence.

Regional mapping indicates that the property area is underlain by Nicola Group alkaline volcanic and sedimentary rocks intruded by numerous comagmatic diorite to syenite stocks (Preto 1970, Campbell and Tipper, 1971).



LEGEND

- 8 TERTIARY VOLCANICS

JURRASIC

- 7 INTERBEDDED VOLCANICS AND SEDIMENTS

TRIASSIC / JURASSIC

- 6 THUYA BATHOLITH
- 5 ALKALINE INTRUSIONS

TRIASSIC

- 4 NICOLA GROUP
- 3 BLACK SHALE, ARGILLITE
- 2 PERIDOTITE

MISSISSIPPIAN

- 1 FENNELL FORMATION VOLCANICS

Modified after Campbell and Tipper, 1971

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TA HOOLA GOLD PROJECT

REGIONAL GEOLOGY

Aug., 87 N.T.S. 92 P Figure 3

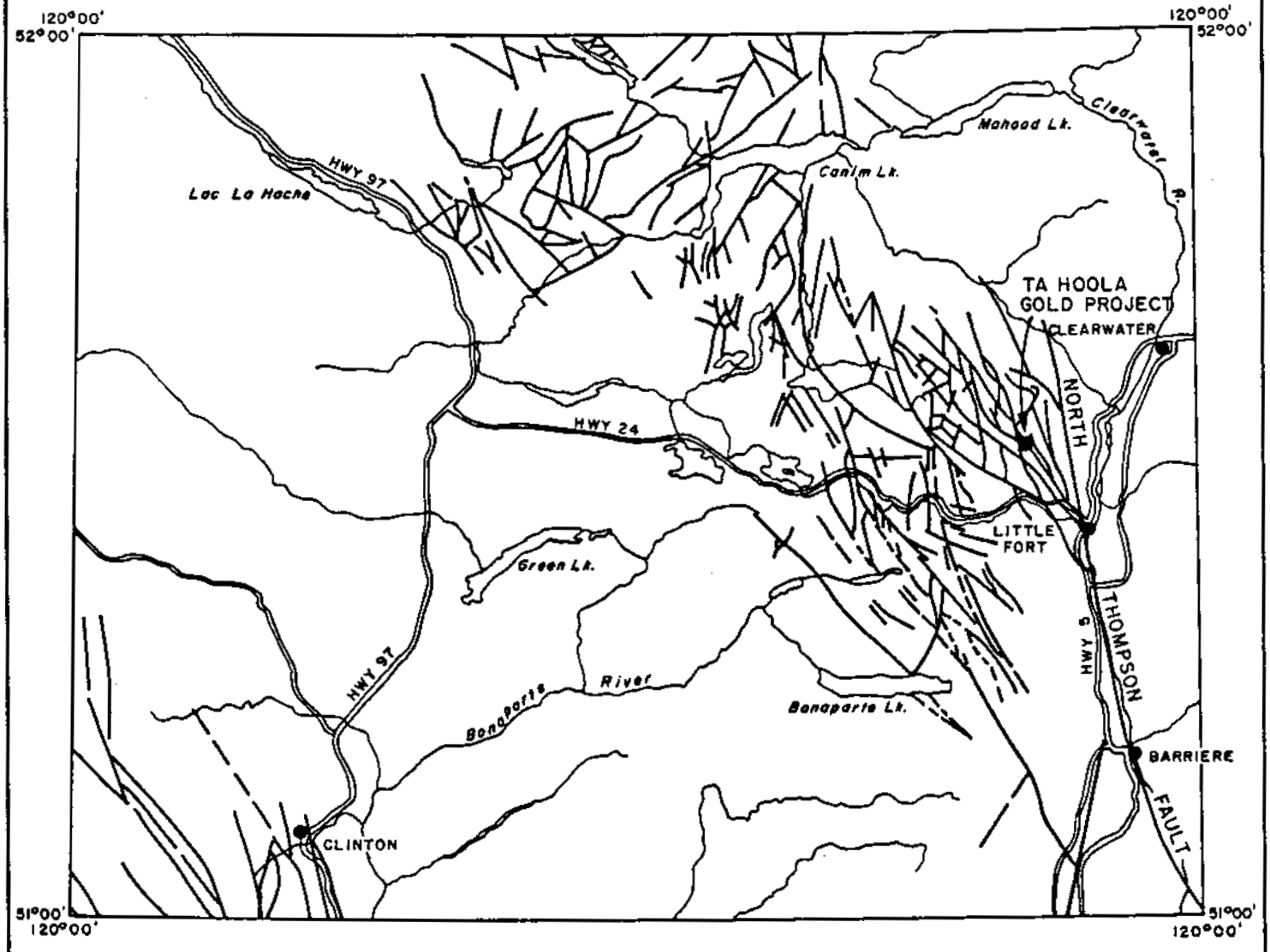
The Ta Hoola claim block lies within an area of intense block faulting, formed where the North Thompson Fault bifurcates into a multitude of northwesterly trending splays (Figure 4).

At Little Fort, where the North Thompson Fault breaks into the splays, there are two ultramafic bodies aligned along the fault. These ultramafic bodies are evidence that the fault represents a zone of deep crustal weakness, a favourable host structure for gold mineralization.

PROPERTY GEOLOGY

The Ta Hoola property overlies the central Upper Triassic volcanic core of the Nicola Group, which is flanked on the east by a sequence of interbedded Lower to Mid-Jurassic pyroxene porphyritic pyroclastics and distal epiclastic sediments (Figure 3). To the west, a large diorite pluton and a series of smaller satellitic plugs intrude the volcanic assemblage. Block faulting has disrupted the stratigraphy, which has been rotated into a near-vertical attitude.

Three main bands of pyroxene lapilli tuff-agglomerate trend northwesterly across the claims (Figure 5). These rocks are medium to dark green, massive and medium to coarse-grained pyroclastics. Fragment sizes vary from 1 cm to 20 cm and are comprised of subangular to subrounded porphyritic augite andesite. Clasts are supported by a matrix of fine-grained ash tuff. Subordinate units of andesite flows and feldspar crystal tuffs are interbedded with the pyroxene porphyritic units. Pyrite occurs in minor concentrations as widely-spaced disseminated grains.



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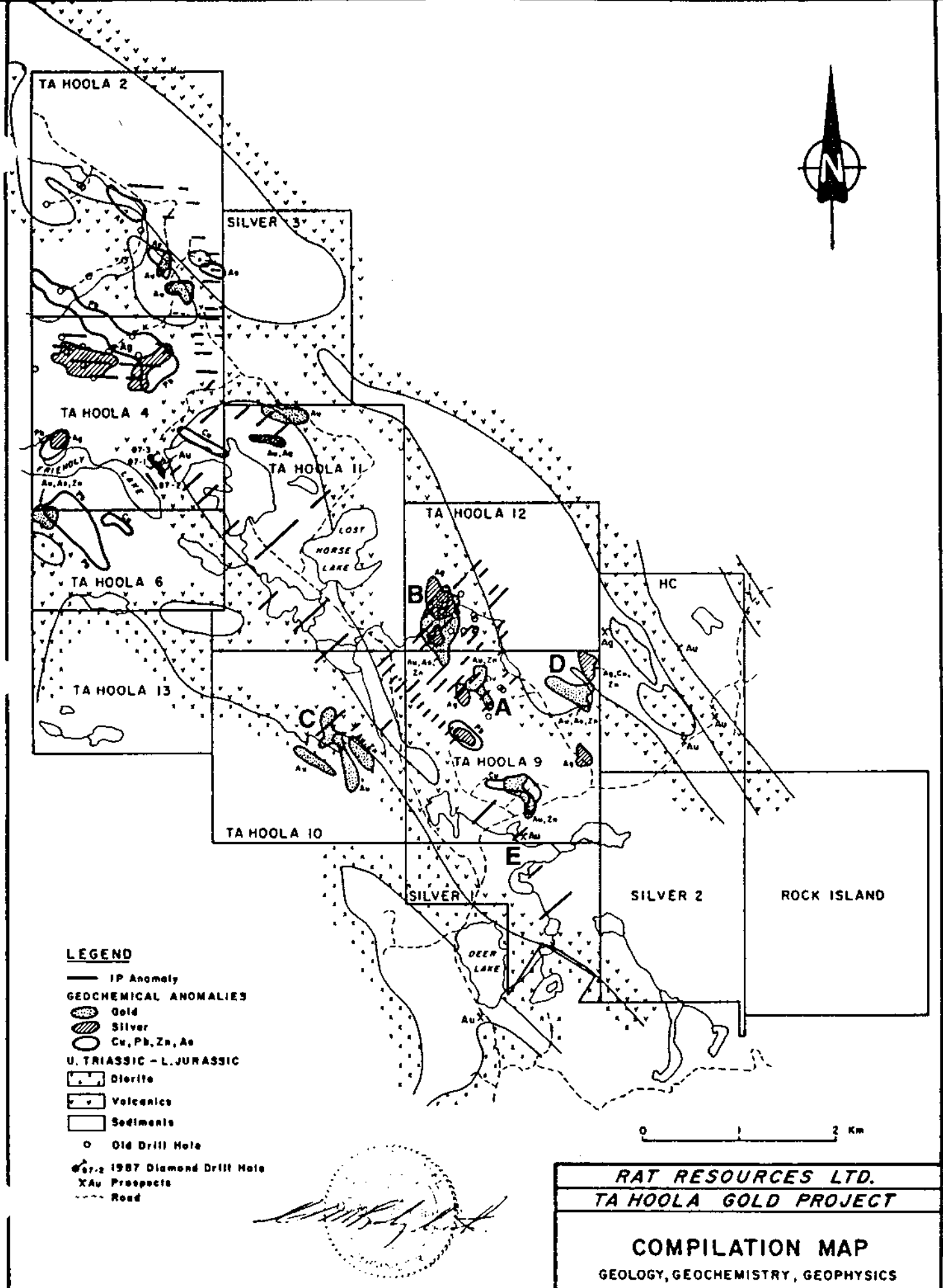
PATTERN OF BLOCK FAULTING
IN LITTLE FORT REGION

After Campbell and Tipper, 1971

Aug., 87

Figure 4



Modified after Ruck 1982, Gamble 1986

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COMPILATION MAP

GEOLOGY, GEOCHEMISTRY, GEOPHYSICS

Oct., 87 N.T.S. 92 P/9 Figure 5

The epiclastic sediments interbedded with and flanking the volcanic units comprise siltstone, argillite, chert, greywacke and conglomerate. Siltstone predominates. Pyrite is sparse, occurring as disseminated grains, but reached .5% to 10% in light grey bands as heavy disseminations with interstitial carbonate. Subordinate very-fine-grained, massive, black, carbonaceous argillite is occasionally interbedded with the siltstone. Disseminated pyrite is ubiquitous and commonly comprised up to 5% of the rock.

A large fine to medium-grain diorite stock comprised of 20% mafics, 75% plagioclase and 5% quartz lies along the western side of the claims. East of Deer Lake, the intrusive is a hornblende-diorite.

At the boundary between the Ta Hoola 10 and Ta Hoola 13 claims, a diorite breccia has formed as a contact phase along the margin of the main diorite pluton. It contains angular diorite fragments to 10 cm in size, which are supported in a diorite matrix. Epidote-chlorite-quartz veins are present. The pyrite content is less than 1%.

Numerous northwest and northeast-trending faults traverse the property. Their traces are marked by the alignment of lake chains and a rectangular stream drainage pattern.

Carbonate alteration is widespread on the property. Narrow, randomly oriented, calcite stringers and grain aggregates are common in all units. They are generally sulphide free and barren. Veinlet density increases in the fractured rocks adjacent to many of the major structures.

At the east end of Friendly Lake, a northwesterly-striking pyritic carbonate alteration zone carries anomalous values in gold, arsenic and molybdenum. The mineralization is hosted by pervasively carbonate-sericite-chlorite altered brecciated biotite hornfelsed mafic volcanic units. Calcite, an iron-carbonate, and fine rock fragments form the matrix. Disseminated fine-grained pyrite impregnates the breccia fragments and, to a lesser degree, the calcareous matrix. Average pyrite concentrations within the alteration zone are in the range of 1% to 3%. Trace amounts of chalcopyrite, galena, sphalerite, molybdenite and arsenopyrite are present.

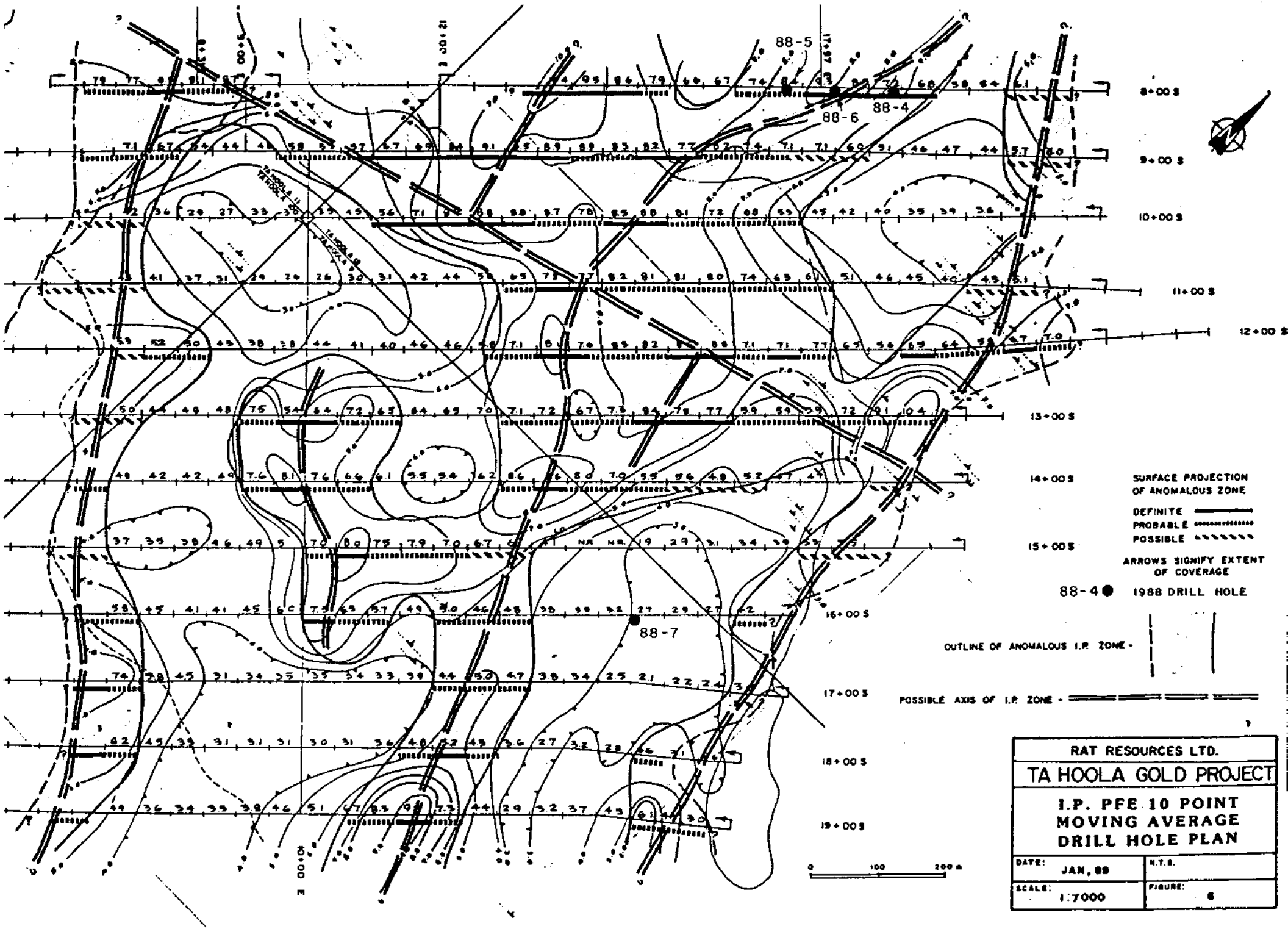
On the Ta Hoola 9 and Ta Hoola 12 claims, and on the adjoining HC 1 claim, recessive 1 m to 8 m thick carbonate-quartz veins carry gold, silver, lead and zinc mineralization.

DIAMOND DRILLING

Three NQ diamond drill holes totalling 411.22 metres were drilled on the Ta Hoola 12 claim to test anomalous area B. (Figure 5).

These holes cross-sectioned a broad, high-contrast, induced polarization anomaly where it is coincident with the gold-arsenic-copper-lead-silver-zinc multi-element soil geochemical anomaly (Figure 6).

Hole TA 88-4, drilled across the eastern side of the anomaly, intersected andesitic flows and polylithic fragmental units interbedded with siltstones and immature polylithic clastic sediments (Figure 7). Both the volcanic and sedimentary units host numerous intervals containing 2% to 12% disseminated and veinlet pyrite. Holes TA 88-5 and TA 88-6, drilled to test the



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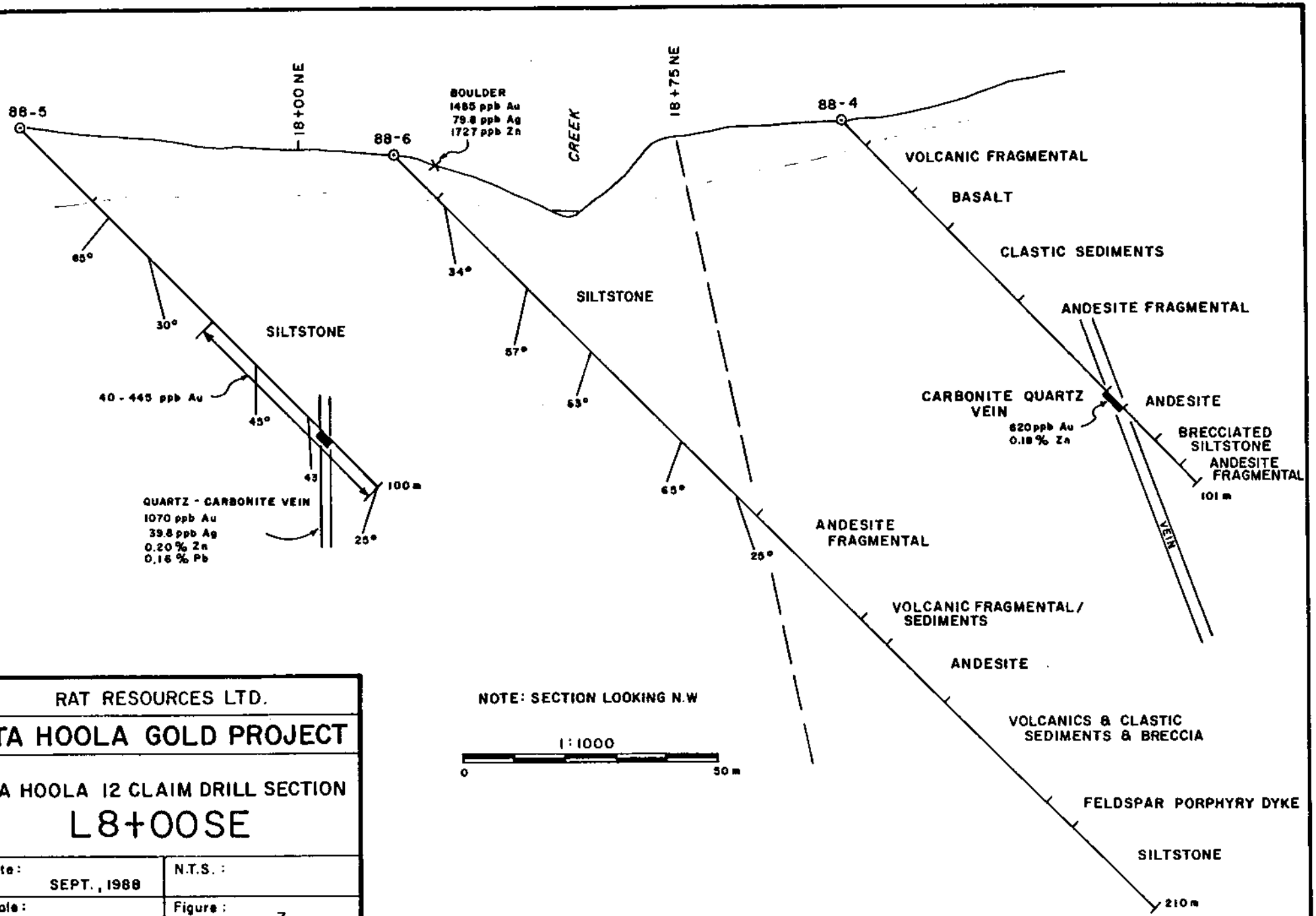
I.P. PFE 10 POINT MOVING AVERAGE DRILL HOLE PLAN

DATE: JAN, 89	N.T.S.
SCALE: 1:7000	FIGURE: 6



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TA HOOLA GOLD PROJECT

TA HOOLA 12 CLAIM DRILL SECTION

L8+00SE

Date: SEPT., 1988	N.T.S. :
Scale: 1:1000	Figure : 7

western and central portions of the IP anomaly respectively, intersected a thick sequence of siltstone, argillite and calcareous sandstone containing 1% - 5% disseminated fine-grained pyrite. The lower half of Hole TA 88-6 extended below Hole TA 88-4, where it cut similar interbedded sedimentary and volcanic units. Structural complications caused by faulting prevent the correlation of individual units.

Although there were numerous geologically favourable silicified iron carbonate and mariposite altered intervals in Hole TA 88-4, most contained background or very weakly elevated concentrations of gold and other associated elements. A 4.61 metre (15.12 ft) thick carbonate-quartz vein, intersected from 74.39 m to 79.0 m, contained a 1.4 m interval from 75.60 m to 77.0 m which ran 620 ppb gold (0.018 oz/ton) and 0.18% zinc. The remainder of the vein carried anomalous but very low gold values.

In Hole TA 88-5, an interval from 54.0 m to 100.0 m, which was not conspicuously altered, carried geochemically anomalous concentrations of gold ranging from 40 ppb to 445 ppb, which are accompanied by enriched silver, arsenic, zinc and lead concentrations. Within this interval a 0.94 m thick quartz-carbonate vein intersected from 84.86 m to 85.80 m ran 1070 ppb gold (0.03 oz/t), 39.8 ppm silver (1.16 oz/ton), 0.20% zinc and 0.16% lead.

Metal abundances in Hole TA 88-6 are low except for a slight enrichment in arsenic. The most significant interval was from 15.0 m to 18.0 m which carried 510 ppb gold (0.015 oz/ton).

A 40 cm x 60 cm x 30 cm boulder of quartz-carbonate vein material exposed during the preparation of the drill site for Hole TA 88-6 ran 1485 ppb gold (0.043 oz/ton),. 79.8 ppm silver (2.33 oz/ton), 298 ppm antimony and 1727 ppm zinc.

Hole TA 88-7 was sunk to a depth of 45.73 m to evaluate the multi-element gold soil geochemical zone comprising Anomaly A. A 3.10 m (10.17 ft) interval of quartz-iron carbonate-veined pyritic siltstone from 11.10 m to 14.20 m ran 4293 ppb gold (0.125 oz/ton gold) (Figures 6 and 8).

CONCLUSIONS

The core is stored on the property

The pyritic sediments in Holes TA 88-4, TA 88-5 and TA 88-6 are the source of the IP anomaly and the 46 m thick metal enriched interval in Hole TA 88-5 may in part explain the multi-element soil geochemical anomaly. The substantial vein encountered in Hole TA 88-4 and other smaller veins demonstrate that potential ore hosting structures occur within the anomalous area.

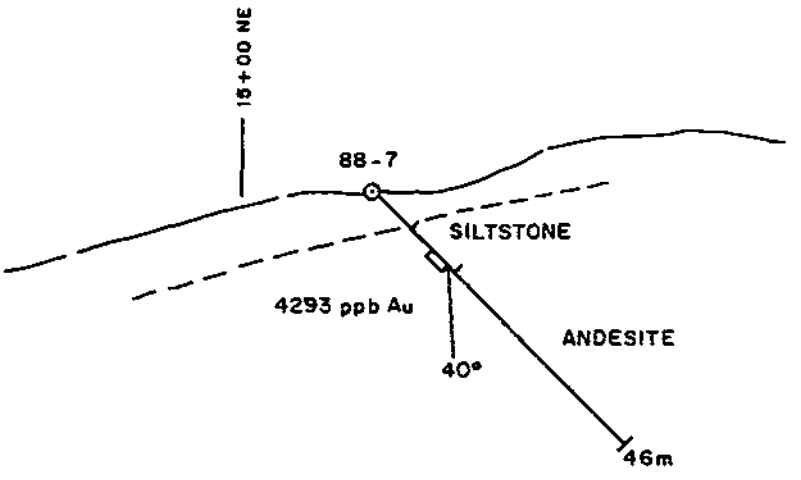
In Anomaly A, on the Ta Hoola 9 claim, the 3.10 m interval in Hole TA 88-7 containing veinlet-hosted mineralization grading 0.125 oz/ton gold is encouraging and warrants further exploration.

Many other anomalous and mineralized areas on the property warrant detailed assessment.

RECOMMENDATIONS

1. Diamond drill to determine the extent of the mineralization encountered in Drill Hole TA 88-7.

2. Diamond drill to evaluate the remaining unexplored soil geochemical and geophysical anomalies identified by previous surveys.



RAT RESOURCES LTD.	
TA HOOLA GOLD PROJECT	
TA HOOLA CLAIM DRILL SECTION L 16+00 SE	
Date: SEPT., 1988	N.T.S.:
Scale: 1:1000	Figure: 8

STATEMENT OF COSTS

Ta Hoola 12 Claim

Rebagliati Geological Consulting Ltd.			
Professional Services July 4 - Nov. 14, 1988			
12.5 days @ $450.00/day			$ 5,625
Labour:			
Corey Sauer	July 16-21	6 days @ $135/day	810
Ross Rebagliati	July 15-24	10 days @ $135/day	1,350
Room and Board		26 field days @ $65/day	1,690
Truck Rental & Operation		15 days @ $100/day all incl.	1,500
Analyses		198 @ $7.50	1,485
Iron Mountain Diamond Drilling		411.23 m @ $99.83/m	41,050
			$ 53,510

Ta Hoola 9 Claim

Rebagliati Geological Consulting Ltd.			
Professional Services July 4 - Nov.14, 1988			
7 days @ $450.00/day			$ 3,150
Labour:			
Ross Rebagliati	July 25	1 day @ $135/day	135
Room and Board		5 field days @ $65/day	325
Truck Rental & Operation		3 days @ $100/day	300
Analyses		17 @ $7.53	128
Iron Mountain Diamond Drilling		45.73 m @ 146.25/m	6,688
Cat for Drill Move and Site Prep		21.6 hrs @ $96/hr	2,074
			$ 12,800

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B.C. Assessment Reports: 981, 1061, 1169, 1690, 4028, 4260, 4262, 4678, 4684, 5191, 10287, 10880, 11413, 12101, 15221.

CERTIFICATE OF QUALIFICATIONS

I, Clarence Mark Rebagliati, of 3536 West 15th Avenue, Vancouver, B. C., hereby certify that:

1. I am a consulting Geological Engineer with offices at 3536 West 15th Avenue, Vancouver, B. C.

2. I am a graduate of the Provincial Institute of Mining, Haileybury, Ontario (Mining Technology, 1966).

3. I am a graduate of the Michigan Technological University, Houghton, Michigan, U.S.A., (B.Sc., Geological Engineering, 1969).

4. I have practiced my profession continuously since graduation.

5. I am a member in good standing of the Association of Professional Engineers of British Columbia.

6. The foregoing report is based on:
   a) A study of all available company and government reports.
   b) My personal knowledge of the general area resulting from regional studies and from examinations of the property made in 1980, 1981, 1982, 1986, 1987 and 1988, while supervising a series of exploration programs.

C. M. Rebagliati, P. Eng.
January 31, 1989

APPENDIX I: DIAMOND DRILL LOGS

DIAMOND DRILL LOG

PROPERTY : TA HOOLA HOLE No. : TA88-4 CLAIM : TA HOOLA

HOLE SURVEY		
FOOTAGE	BEARING	DIP

COLLAR SURVEY :

LATITUDE : SECTION :

DEPARTURE : BEARING : 040

ELEVATION : DIP : -45°

DATE BEGUN : July 13 1988 SHEET No. : 1 of 5

DATE FINISHED : July 15 LOGGED BY : CM Belyk

TOTAL DEPTH : 100.61m DATE : July 17, 1988

CORE SIZE : NQ

METRES FOOTAGE FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	WIDTH	RECOV.	SULPHIDES
0.0	7.32	Overburden	109501	7.32	8.40	1.08		
			109502	8.40	9.40	1.0		
7.32	19.70	Intensely altered polylithic (volcanic) fragmental??	109503	9.40	10.40			
		All original texture and minerals are destroyed.	109504 109505	10.40 11.40	11.40 12.40			
		Brecciated, silicified, bleached to a pale	109506	12.40	13.40			
		tan with darker-greenish patches & lens	109507	13.40	14.40			
		altered rock. Possible relic augite phenocrysts	109508	14.40	15.40			
		The rock has been shattered and brecciated,	109509	15.40	16.40			
		at least three generations of veining	109510	16.40	17.40			
		white, clear and smoky grey-black aggregate	109511	17.40	18.40	1.0		
		0.1mm thick veinlets are abundant - up to 10mm thick	109512	18.40	19.70	1.3		
		Some carry hematite after pyrite.	109513	19.70	20.44	0.74		
		minor chalcopyrite and other unidentified	109514	20.44	21.40	0.96		
		fine-grained dark metallic minerals. Some veins	109515	21.40	22.80	1.40		
		are banded others carry angular rock fragments.	109516	22.80	24.80	2.0		

TA88-4 2 of 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FROM	TO	WIDTH	RECOV.	SULPHIDES
		2-to-10% pyrite mostly very fine - medium	109517	24.80	26.00	1.20		
		grained disseminated grains and numerous	109518	26.00	28.40	2.40		
		hairline fractures coated with pyrite.	109519	28.40	30.30	1.70		
		7.32-8.40 is the least altered - is chloritic and is	109520	30.30	32.0	1.70		
		volcanic in origin. Late sulphide-rich veinlets	109521	32.0	34.0	2.0		
		at 40° to 60° to core axis are 1cm to 6cm thick	109522	34.0	36.0	2.0		
19.20	20.10	Grey andesite dyke. Pervasive pyritic	109523	36.0	38.0	2.0		
20.10	30.30	Dark green chloritic Basalt. Faulted and	109524	38.0	40.0			
		sheared from 21.30 to 22.60m. Cut by	109525	40.0	42.0			
		numerous quartz, quartz-carbonate veinlets	109526	42.0	44.0			
		5 to 100 per metre. Some from carbonate and	109527	44.0	46.0			
		assemipaseite. Variable disseminated and fracture	109528	46.0	48.0			
		controlled pyrite; Increases with increased	109529	48.0	50.0			
		intensity of bleaching - silicification.	109530	50.0	52.0			
		Silicified/veined intervals 20.44 to 21.40m;	109531	52.0	54.0			
		22.40-22.60 sheared 23.10 to 26.00 m; 28.40-30.00	109532	54.0	56.0			
		Faulted from 28.40-30.0	109533	56.0	58.0			
			109534	58.0	60.0			
30.30	50.00	Sedimentary Clastic / Fragmental. Clasts	109535	60.0	62.0			
		are mostly of Andesitic tuff and/or siltstone.	109536	62.0	64.0			
		Minor andesite fragmental intervals or large andesite	109537	64.0	66.0			
		clasts. Minor conglomerate with pink latite clasts.	109538	66.0	68.0			
		Minor chalcedonic-pyritic veining.	109539	68.0	70.0			

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FROM	TO	WIDTH	RECOV.	SULPHIDES
		Bedding 30°-60° to core axis. Colour is	109540	70.0	72.0	2.0		
		generally greenish grey except where cut by	109541	72.0	73.80	1.80		
		siliceous sulphide and/or specularite filled fractures	109542	73.80	74.39	0.59		
		where rock becomes tan coloured. These silicified	109543	74.39	75.60	1.21		
		intervals are extensive comprising approximately	109544	75.60	77.0	1.40		
		30% of the interval. Some chalky intervals.	109545	77.0	78.0	1.0		
		All core is cut by late calcite filled dark fractures.	109546	78.0	79.0	1.0		
		1-3% fine-grained disseminated and fracture	109547	79.0	81.0	2.0		
		controlled pyrite. FAULT AT 47.0m	109548	81.0	83.0	2.0		
		Brecciation is common.	109549	83.0	85.0	2.0		
		At 50-60m 2-5cm patches of coarse secondary biotite.	109550	85.0	87.0	2.0		
50.0	74.39	Polylithic Andesite Fragmental-clasts	109551	87.0	88.0	1.0		
		to 40cm. Dark green and chloritic	109552	88.0	90.0	2.0		
		weak calcite veining <1% disseminated pyrite.	109553	90.0	92.0	2.0		
		Increasingly calcite veined and pyritic towards	109554	92.0	94.0	2.0		
		74.39. Fault at 52.70m	109555	94.0	95.0	1.0		
		73.80 to 74.39 Sheared-silicified-	109556	95.0	97.0	2.0		
		carbonatized and pyritic -calcite and iron	109557	97.0	99.0	2.0		
		carbonate AT 53m brown biotite books	109558	99.0	100.4	1.61		
74.39	75.60	Mylonized, sheared silicified - carbonate altered						
		andesite mixed with carbonate - quartz veining						
		Pink calcite, 2% disseminated pyrite. Banding -						
		shearing at 75° to core axis. CONTACT ZONE						

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FROM	TO	WIDTH	RECOV.	SULPHIDES
75.60	78.0	CARBONATE - QUARTZ VEIN. Brecciated and rebrecciated - Numerous angular rock fragments. White, clear and grey quartz minor iron carbonate - pyrite films and disseminations - minor overall						
78.0	79.0	Mylonized vein - rock. 50% vein - 50% altered rock. Fe-carbonate, calcite and silicified. 1% disseminated pyrite.						
79.0	88.0	Andesite - STRONGLY ALTERED - silicified carbonatized, brecciated - shattered and quartz-carbonate veined. Calcite and Fe-carbonate. Decreasing alteration downwards. Possible subordinate cherty siltstone intervals. 1% disseminated pyrite. Faults and shearing at 80.40m, and 79.0						
88.0	95.0	Green brecciated chloritic silicified siltstone with minor volcanic clasts and intervals. Chlorite films on fractures. Thin 1mm calcite-quartz-pyrite veins. Patchy iron-carbonate alteration						

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FROM	TO	WIDTH	RECOV.	SULPHIDES					
95.0	100.61	Augite Andesite Fragmental. Propylitic alteration Pyrite, carbonate - epidote in fracture fillings and vein selvages. Chlorite-pyrite coated fractures 2% disseminated pyrite.											
100.61		END OF HOLE											

DIAMOND DRILL LOG

PROPERTY : TA HOOLA HOLE No. : TA 88-5 CLAIM : TA HOOLA

HOLE SURVEY		
FOOTAGE	BEARING	DIP

COLLAR SURVEY :

LATITUDE : _____ SECTION : _____

DEPARTURE : _____ BEARING : 040°

ELEVATION : _____ DIP : -45°

DATE BEGUN : July 15, 1988 SHEET No. : 1 of

DATE FINISHED : July 17 LOGGED BY : C.M. Rebagliati

TOTAL DEPTH : 100.61 DATE : _____

CORE SIZE : NQ

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FROM	TO	WIDTH	RECOV.	SULPHIDES
0.0	19.82	Casing in Overburden	109701	19.82	22.0	2.18	1.05	
			109702	22.0	24.0	2.0	1.70	
19.82	100.61	Dark grey thinly bedded siltstone, argillite	109703	24.0	26.0	2.0	1.60	
		and calcareous sandstone. Light laminae in	109704	26.0	28.0	2.0	1.80	
		siltstones are calcareous. 1-5% fine-grained	109705	28.0	30.0	2.0	2.0	
		disseminated syngenetic pyrite. Sandy units	109706	30.0	32.0	2.0	2.0	
		are more pyritic. Pyrite laminae are common.	109707	32.0	34.0	2.0	1.90	
		Minor pyrite filled fractures. Minor	109708	34.0	36.0	2.0	2.0	
		1-4 cm Calcite quartz veins - with no associated	109709	36.0	38.0	2.0	1.80	
		alteration. Most of these vein contain angular	109710	38.0	40.0	2.0		
		fragments of the wall rock. Thin 1mm	109711	40.0	42.0	2.0		
		calcite filled fractures are common 10-30/m	109712	42.0	44.0	2.0		
		bedding at: 24.70m is 85° to core axis	109713	44.0	46.0	2.0		
		29.80m " 30° " "	109714	46.0	48.0	2.0		
		36.0m " 30° " " "	109715	48.0	50.0	2.0		

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FROM	TO	WIDTH	RECOV.	SULPHIDES
		Bedding at 47.0m is at 0° to core axis	109716	50.0	52.0	2.0		
		53.50m " " 33° " " "	109717	52.0	54.0	2.0		
		66.0 " " 45° " " "	109718	54.0	56.0	2.0		
		Numerous gouge faults from 19.82m to 32.0m	109719	56.0	58.0	2.0		
		At 55m the calcite-quartz veins which are	109720	58.0	60.0	2.0		
		subparallel to the core axis contain minor	109721	60.0	62.0	2.0		
		honey coloured sphalerite and galena and are	109722	62.0	64.0	2.0		
		pyritic (1-5%). At 67.0m a carbonate vein trends	109723	64.0	66.0	2.0		
		down the core to 69.0m 50% vein 50% siltstone.	109724	66.0	67.0	1.0		
		The vein is probably only about 20cm thick.	109725	67.0	69.0	2.0		
		Bedding at 75.6 m is at 40° to core axis	109726	69.0	71.0	2.0		
		80.5 m " " 43° " " "	109727	71.0	73.0	2.0		
		88.0 m " " 40° " " "	109728	73.0	75.0	2.0		
		94.0 " " 60° " " "	109729	75.0	77.70	2.70		
		100.0 " " 55° " " "	109730	77.70	78.50	0.80		
		Tops up to west: by ripple marks.	109731	78.50	80.50	2.0		
		77.70 – 78.50m Carbonate-Quartz vein - numerous	109732	80.50	82.68	2.18		
		angular rock fragments Minor pyrite	109733	82.68	83.15	0.47		
		82.68 - 83.15m similar to vein above.	109734	83.15	84.86	1.71		
		& 4.86 – 85.80 Quartz-carbonate vein more (4%)	109735	84.86	85.80	0.94		
		coarse pyrite-minor fine disseminated galena.	109736	85.80	86.28	0.48		
		Veins are at about 40° to core axis. At # 91.15 – 92.0	109737	86.28	88.0	1.72		
		Quartz carbonate vein 2 to 10cm thick parallels core.	109738	88.0	90.0	2.0		
		Minor bleaching for 20cm on vein contacts. silicification						

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FROM	TO	WIDTH	RECOV.	SULPHIDES					
			109739	90.0	91.15	1.15							
		All argillite, siltstone and sandstone are	109740	91.15	92.0	0.85							
		calcareous:	109741	92.0	94.0	2.0							
			109742	94.0	96.0	2.0							
			109743	96.0	98.0	2.0							
			109744	98.0	100.61	2.61							
100.61	m	END OF HOLE											

DIAMOND DRILL LOG

PROPERTY : TA HOOLA HOLE No. : TA88-6 CLAIM : TA HOOLA

HOLE SURVEY		
FOOTAGE	BEARING	DIP

COLLAR SURVEY :

LATITUDE : SECTION :

DEPARTURE : BEARING : 040°

ELEVATION : DIP : -45°

DATE BEGUN : July 18 SHEET No. : 1 of 6

DATE FINISHED : July 23 LOGGED BY : C.M. Rebagliati

TOTAL DEPTH : 210.10 DATE : July 1988

CORE SIZE : NQ

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FROM	TO	WIDTH	RECOV.	SULPHIDES
0.0	12.20	Casing in overburden	109745	12.20	15.0	2.80		
			109746	15.0	18.0	3.0		
12.20	97.45	Light and dark grey banded siltstone.	109747	18.0	21.0	3.0		
		Minor argillite and sandstone interbeds.	109748	21.0	24.0	3.0		
		1mm to 2.0cm thick laminae. All	109749	24.0	27.0	3.0		
		units are calcareous - widespread very	109750	27.0	30.0	3.0		
		fine-grained disseminated pyrite 3%	109751	30.0	33.0	3.0		
		overall. Light coloured laminae	109752	33.0	36.0	3.0		
		are generally more pyritic than darker laminae	109753	36.0	39.0	3.0		
		Ripple marks indicate tops up to west. Thin	109754	39.0	42.0	3.0		
		1-3mm thick pyritic laminae are common. Bedding at:	109755	42.0	45.0	3.0		
		15 m is at 34° to Core axis.	109756	45.0	48.0	3.0		
		27m " 65° " " "	109757	48.0	51.0	3.0		
		37m " 57° " " "	109758	51.0	52.35	1.35		
		47m " 55° " " "	109759	52.35	52.55	0.20		

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FROM	TO	WIDTH	RECOV.	SULPHIDES
		Bedding at 55m is at 63° to core axis	109760	52.55	55.0	2.45		
		Contorted quartz-calcite, iron carbonate	109761	55.0	58.0	3.0		
		pyrite veining 52.35 – 53.55m	109762	58.0	61.0	3.0		
		Bedding at 64m is at 65° to core axis	109763	61.0	64.0	3.0		
		" " 73m " 58° " " "	109764	64.0	67.0	3.0		
		" " 80.5m " 65° " " "	109765	67.0	70.0	3.0		
		" " 87.0m " 63° " " "	109766	70.0	73.0	3.0		
		Carbonate-Quart vein 81.91 – 82.33	109767	73.0	76.0	3.0		
		banded, very fine grained disseminated pyrite	109768	76.0	79.0	3.0		
		and pyrite bands, Traces of sphalerite-galena.	109769	79.0	81.91	2.91		
		Vein wall and banding at 35° to core axis	109770	81.91	82.33	0.42		
			109771	82.33	83.00	0.67		
		FAULTING AT 82.5 to 83.7m and 85.20m	109772	83.0	86.0	3.0		
		Bedding at 88.5m is at 10° to core axis	109773	86.0	89.0	3.0	2.7	
		Faulting at 88.11m, 89.94 and 90.5m	109774	89.0	92.0	3.0	2.2	
		BAD FAULTING from 92.5m to 93.8m	109775	92.0	95.0	3.0	1.5	
		Bedding at 92.5m is at 25° to core axis	109776	95.0	97.45	2.45	1.35	
			109777	97.45	98.80	1.35	0.83	
97.45	108.20	INTENSELY SILICIFIED, HIGHLY BRECCIATED BLEACHED ALTERED	109778	98.80	100.0	1.20	1.2	
		SEDIMENT – NOW CHERTY – SOME GRIT BEDS.	109779	100.0	101.0	1.0	1.0	
		with pebbles to 1cm. Breccia clasts are angular.	109780	101.0	102.0	1.0	1.0	
		healed with silica – white and smokey grey.	109781	102.0	103.0	1.0	1.0	
		5% disseminated and fracture coating pyrite v-f-g.	109782	103.0	104.0	1.0	1.0	

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FROM	TO	WIDTH	RECOV.	SULPHIDES
		Hairline fractures coated with specular hematite	109783	104.0	105.0	1.0		
		and minor magnetite.	109784	105.0	106.0	1.0	0.8	
		Light tan coloured to 103m then becomes	109785	106.0	107.0	1.0		
		greyish green.	109786	107.0	108.20	1.20		
108.20	124.48	ANDESITE FRAGMENTAL - chloritic,	109787	108.20	110.0	1.80		
		quartz-carbonate veined - 1-3% disseminated	109788	110.0	112.0	2.0		
		and fracture coating pyrite. Progressively	109789	112.0	114.0			
		darker green - more chloritic to 122m. Where	109790	114.0	116.0			
		the core is lighter green - bleached - more heavily	109791	116.0	118.0			
		quartz-carbonate veined.	109792	118.0	120.0			
			109793	120.0	122.0			
124.48	127.10	Silicified - brecciated - bleached - andesitic volcanic	109794	122.0	124.48	2.48		
		rock. Faulting 125.5m	109795	124.48	125.5	1.02	0.90	
			109796	125.5	127.10	1.60	1.10	Mo Sx
127.10	129.27	Silicified - pervasive - ankerite veined, chloritic	109797	127.10	129.27	2.17		
		sheared segments.	109798	129.27	131.0	1.73		
			109799	131.0	133.0	2.0		
129.27	135.55	Mixed volcanic - sedimentary fragmental	109800	133.0	134.50	1.5		
		locally brecciated, silicified or chloritic	109801	134.50	134.85	0.35		
		2% pyrite. Brecciated silicified interval 134.50 to	109802	134.85	135.55	0.70		
		134.85m. Volcanic fragments are augite porphyritic -	109803	135.55	137.0	1.45		
		sediments are cherty.	109804	137.0	139.0	2.0		

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FROM	TO	WIDTH	RECOV.	SULPHIDES
135.55	151.83	Augite Andesite - Variably silicified and	109805	139.0	141.0	2.0		
		bleached intervals. Moderate white quartz-	109806	141.0	143.0	2.0		
		calcite veining 5 mm to 2 cm thick 5-10 per metre.	109807	143.0	145.0	2.0		
		veinlets are pyritic - early veinlets have chloritic	109808	145.0	147.0	2.0		
		walls. Bleached and silicified towards 151 m.	109809	147.0	149.0	2.0		
		2% pyrite	109810	149.0	151.0	2.0		
151.83	153.35	Brecciated and silicified sedimentary	109811	151.0	151.83	0.83		
		fragmental	109812	151.83	153.35	1.52		
			109813	153.35	155.0	1.65		
153.35	157.85	Light grey augite andesite - fractured and	109814	155.0	157.85	2.85		
		silicified. Pyritic veinlets and quartz stringers	109815	157.85	159.0	1.15		
		locally shattered. 3% pyrite. Pyrite impart	109816	159.0	161.0	2.0		
		replaces chloritized augite grains.	109817	161.0	163.0	2.0		
157.85	164.15	Light green fine-grained chalky, massive	109818	163.0	164.15	1.15		
		sediment. 2% disseminated pyrite.	109819	164.15	165.30	1.15		
		Silicified and carbonatized, and brecciated from 157.85 m to 161.0 m	109820	165.30	167.30	2.0		
			109821	167.30	169.58	2.28		
164.15	165.30	Highly altered volcanic conglomerate?	109822	169.58	171.0	1.42		
		Carbonate veins, clots and matrix - some	109823	171.0	173.0	2.0		
		silicification. Reaction rims of carbonate	109824	173.0	175.0	2.0		
		- hematite - pyrite - epidote - chlorite	109825	175.0	176.15	1.15		
			109826	176.15	178.0	1.85		
165.30	169.58	Augite porphyritic andesite with flow top breccia	109827	178.0	179.9	1.90		

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FROM	TO	WIDTH	RECOV.	SULPHIDES
		chlorite filled voids with bleached and	109828	179.90	183.0	3.10		
		silicified margins. Partial replacement of	109829	183.0	186.0	3.0		
		chloritic augite by pyrite. Calcite veining	109830	186.0	187.4	1.4		
			109831	187.4	190.0	2.6		
169.58	176.15	Poly lithic Breccia. Cherty and siltstone	109832	190.0	193.0	3.0		
		clasts rounded to subangular - light pink	109833	193.0	196.0	3.0		
		and light grey and green. Volcanic clasts	109834	196.0	199.0	3.0		
		with bleached reaction rims - give a	109835	199.0	202.13	3.13		
		mottled patchy appearance. Patchy	109836	202.13	203.35	1.26		
		epidote replacement of mafic minerals	109837	203.35	204.57	1.22		
		Some clasts are replaced by calcite -	109838	204.57	207.0	2.43		
		yellow garnet - PYRITE - chlorite and	109839	207.0	209.30	2.30		
		specular hematite. possibly some diopside.	109840	209.30	210.10	0.80		
		5-10% pyrite disseminated and coarse clots						
176.15	179.90	Fine-grained greyish-green massive						
		tuffaceous siltstone - silicified, large						
		patches of pyrite - epidote. Fine fracture filled						
		with quartz/calcite. 1% disseminated pyrite.						
179.90	187.40	FELDSPAR PORPHYRY DYKE - Crosscut by						
		1mm to 10mm calcite veinlets some calcite -						
		quartz veinlets. hematite on walls of veinlets.						
		Mafics altered to chlorite. Feldspar phenocrysts to 6mm						

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FROM	TO	WIDTH	RECOV.	SULPHIDES
187.40	202.13	Fine-grained, greyish-green, massive tuffaceous siltstone. Occasional large patches of epidote-pyrite. Minor calcite-quartz veining along fractures. 2% disseminated and fracture controlled pyrite.						
202.13	203.35	Crushed and ground faulted silicified breccia. 5% pyrite.						
203.35	204.57	Fine Grained greyish-green, massive tuffaceous siltstone.						
204.57	209.30	Fine-grained Augite Andesite. 3% disseminated pyrite.						
209.30	210.10	Light green cherty sediment						
		BADLY FAULTED FROM 198.0m to END OF HOLE						
210.10		END OF HOLE						

DIAMOND DRILL LOG

PROPERTY : TA HOOLA HOLE No. : TA88-7 CLAIM : TA HOOLA 1

HOLE SURVEY		
FOOTAGE	BEARING	DIP

COLLAR SURVEY :

LATITUDE : SECTION :

DEPARTURE : BEARING : 040°

ELEVATION : DIP : −45

DATE BEGUN : July 23/88 SHEET No. : 1 of 2

DATE FINISHED July 24/88 LOGGED BY : C.M. Rebagliati

TOTAL DEPTH : 45.73 DATE : July 24/88

CORE SIZE : NQ

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FROM	TO	WIDTH	RECOV.	SULPHIDES
0.0	6.71	Casing in overburden	109841	6.71	8.65	1.94	1.05	
			109842	8.65	11.10	2.45	1.12	
6.71	8.65	Fragmental Augite Andesite. 2% disseminated pyrite	109843	11.10	12.40	1.30	0.70	
		considerable ground core.	109844	12.40	14.20	1.80	1.65	
			109845	14.20	14.92	0.72	0.72	
8.65	14.92	Greenish grey siltstone 3% disseminated	109846	14.92	15.80	0.88	0.88	
		pyrite. Bedding at 142m is at 40° to core axis	109847	15.80	17.65	1.85		
		2cm quartz - IRON CARBONATE VEIN is subparallel	109848	17.65	20.0	2.35		
		to core axis from 11.10m to 12.40m. Vein contains	109849	20.0	23.0	3.0		
		disseminated pyrite, galena and sphalerite.	109850	23.0	26.0	3.0		
		Bleached and silicified from 14.20 to 14.92m.	109851	26.0	29.0			
			109852	29.0	32.0			
14.92	17.65	Augite Andesite - Carbonate altered with 2%	109853	32.0	35.0			
		disseminated pyrite. From 14.92 to 15.80m the	109854	35.0	38.0			
		core is intensely altered and bleached and contains	109855	38.0	41.0			

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FROM	TO	WIDTH	RECOV.	SULPHIDES
		10% disseminated pyrite. brecciated and	109856	41.0	44.0	3.0		
		partly silicified. Moderate carbonate-quartz	109857	44.0	45.73	1.73		
		veining.						
17.65	46.73	Green Andesite. In part amygdaloidal-						
		calcite filled. Some massive flow top breccias.						
		The core has been shattered with fractures						
		filled with calcite. 30 to 10%/m. Minor						
		Quartz-calcite-pyrite veinlets 1-5/m. up to						
		1 cm thick. which cut the calcite filled fractures.						
		The intensity of veining increased downwards.						
		1% disseminated pyrite.						
		Patches of epidote between 30 m to 35 m						
46.73		END OF HOLE						

APPENDIX II: CERTIFICATES OF ANALYSES

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

DATE RECEIVED: JUL 22 1988
DATE REPORT MAILED: July 29/88

GEOCHEMICAL ANALYSIS CERTIFICATE

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: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

ASSAYER: C. Leong. D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

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SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
E 109501	121	11	56	.2	3	12
E 109502	62	7	42	.7	42	43
E 109503	121	3	27	.2	6	7
E 109504	85	8	35	.4	7	9
E 109505	114	8	23	.4	4	13
E 109506	54	7	23	.6	5	22
E 109507	87	4	19	.4	2	11
E 109508	159	8	23	.4	3	15
E 109509	159	6	33	.4	3	13
E 109510	88	5	20	.3	2	12
E 109511	137	8	26	.4	3	16
E 109512	152	6	46	.3	2	17
E 109513	84	13	70	.5	10	20
E 109514	79	8	32	.3	6	2
E 109515	29	12	52	.2	2	1
E 109516	118	12	28	.3	4	1
E 109517	96	8	22	.1	3	1
E 109518	10	13	56	.1	12	1
E 109519	68	32	54	.5	8	4
E 109520	66	10	49	.2	2	1
E 109521	151	6	38	.1	3	3
E 109522	35	6	35	.1	6	6
E 109523	37	13	33	.2	10	8
E 109524	41	6	23	.1	2	3
E 109525	89	16	36	.2	2	2
E 109526	44	9	50	.1	2	18
E 109527	158	5	48	.1	6	17
E 109528	25	6	36	.1	2	13
E 109529	68	8	44	.1	4	3
E 109530	76	13	84	.5	33	8
E 109531	85	7	54	.2	9	13
E 109532	85	13	50	.2	13	6
E 109533	88	11	51	.1	12	5
E 109534	97	7	52	.1	9	1
E 109535	80	16	47	.1	10	1
E 109536	79	12	41	.1	10	3
STD C/AU-R	58	38	131	7.1	36	500

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
E 109537	73	23	41	.2	5	6
E 109538	104	10	40	.1	3	5
E 109539	121	14	40	.1	2	2
E 109540	117	10	45	.1	2	3
E 109541	112	11	48	.1	5	2
E 109542	107	10	80	.1	5	13
E 109543	85	54	138	.8	12	29
E 109544	99	327	1435	2.6	15	620
E 109545	119	105	146	2.8	15	90
E 109546	124	18	113	1.2	23	81
E 109547	124	13	83	.3	12	26
E 109548	118	39	51	.6	10	28
E 109549	294	8	55	.6	7	220
E 109550	58	8	41	.4	9	27
E 109551	98	8	30	.2	4	18
E 109552	42	11	36	.1	6	8
E 109553	57	101	38	1.4	5	5
E 109554	42	9	29	.5	9	15
E 109555	154	9	31	.1	6	10
E 109556	88	10	36	.2	6	250
E 109557	216	10	48	.2	2	5
88-4 E 109558	138	9	42	.1	4	16
88-5 E 109701	97	16	113	.5	73	42
E 109702	83	14	124	.5	84	18
E 109703	122	11	124	.7	61	27
E 109704	98	16	373	.4	88	28
E 109705	98	16	105	.8	94	35
E 109706	110	14	176	.4	154	22
E 109707	115	21	727	.7	93	25
E 109708	120	40	1133	1.4	126	147
E 109709	124	21	294	.8	128	41
E 109710	87	15	281	.5	43	61
E 109711	225	21	429	.8	60	13
E 109712	102	18	424	.3	61	26
E 109713	731	14	337	.6	64	27
E 109714	170	13	229	.4	57	21
STD C/AU-R	57	43	132	7.1	38	485

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
E 109715	99	31	241	2.9	77	84
E 109716	103	13	237	.4	81	92
E 109717	152	24	433	.4	95	84
E 109718	164	55	455	11.6	93	445
E 109719	95	28	429	3.3	79	106
E 109720	132	27	658	3.3	102	220
E 109721	190	31	617	3.3	103	159
E 109722	108	15	367	.5	104	17
E 109723	116	20	578	.5	97	49
E 109724	242	445	1171	2.7	94	285
E 109725	97	26	1511	7.3	100	410
E 109726	126	31	1184	1.5	66	106
E 109727	95	21	234	2.7	64	176
E 109728	112	11	122	.3	59	42
E 109729	117	23	372	1.5	85	205
E 109730	41	184	444	6.3	33	133
E 109731	122	16	469	1.9	80	114
E 109732	126	18	114	1.0	57	59
E 109733	102	97	156	13.3	41	575
E 109734	253	479	309	6.7	54	375
E 109735	59	1620	2012	39.8	23	1070
E 109736	148	36	169	3.4	55	126
E 109737	119	163	173	2.4	59	255
E 109738	95	13	267	.7	50	42
E 109739	109	13	560	.3	50	72
E 109740	118	17	543	2.8	52	144
E 109741	138	15	126	1.1	61	139
E 109742	121	22	104	1.7	50	169
E 109743	91	13	643	.3	48	103
E 109744	91	12	148	.6	71	52
STD C/AU-R	57	40	130	7.1	39	490

ACME ANALYTICAL LABORATORIES LTD.
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DATE RECEIVED: JUL 27 1988
DATE REPORT MAILED: Aug. 3/88

GEOCHEMICAL ANALYSIS CERTIFICATE

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: P1-P4 CORE P5 ROCK P6 SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

ASSAYER: C. Leong. D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

REBAGLIATI GEOLOGICAL PROJECT TA HOOKA FILE # 88-3040 Page 1

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SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
E 109745	81	11	109	.5	55	2
E 109746	111	34	257	1.3	65	510
E 109747	123	16	143	.8	65	21
E 109748	109	17	281	1.0	51	37
E 109749	101	13	353	.8	28	17
E 109750	84	5	124	.5	31	1
E 109751	101	11	219	.6	45	15
E 109752	103	9	163	.9	47	2
E 109753	77	7	256	.6	58	1
E 109754	91	14	325	.6	62	1
E 109755	109	17	363	.8	55	1
E 109756	90	9	108	.3	38	3
E 109757	125	40	479	1.2	99	20
E 109758	119	21	311	.7	124	57
E 109759	115	109	125	3.3	170	585
E 109760	103	8	126	.4	76	1
E 109761	104	10	83	.8	63	1
E 109762	91	5	63	.7	74	2
E 109763	87	5	116	.6	79	5
E 109764	105	7	96	.8	38	1
E 109765	92	8	175	1.0	43	3
E 109766	102	10	196	.6	47	1
E 109767	102	21	338	.5	225	4
E 109768	98	5	150	.7	43	1
E 109769	100	7	67	.3	79	2
E 109770	219	26	154	3.1	97	127
E 109771	80	24	325	.7	108	12
E 109772	93	13	125	.5	49	2
E 109773	112	15	219	.9	56	1
E 109774	112	13	169	.8	63	2
E 109775	119	10	126	.5	43	1
E 109776	91	16	239	.9	55	1
E 109777	20	2	41	.7	2	2
E 109778	100	9	26	.8	14	2
E 109779	60	8	19	.5	10	1
E 109780	103	6	29	.4	8	1
STD C/AU-R	61	43	132	7.2	45	480

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
E 109781	79	8	32	.6	5	29
E 109782	68	7	29	.6	15	2
E 109783	76	11	41	.1	6	1
E 109784	101	5	33	.2	11	1
E 109785	102	8	45	.3	3	7
E 109786	127	9	62	.2	10	1
E 109787	48	19	110	.1	3	6
E 109788	162	27	121	.3	8	1
E 109789	53	10	96	.1	2	1
E 109790	97	12	77	.1	2	2
E 109791	99	11	36	.2	2	1
E 109792	57	7	34	.2	3	2
E 109793	65	10	36	.2	2	7
E 109794	54	7	80	.2	2	1
E 109795	57	8	64	.3	2	1
E 109796	97	48	89	1.4	39	29
E 109797	93	8	56	.4	25	1
E 109798	80	6	31	.7	8	1
E 109799	78	8	17	.2	12	1
E 109800	81	6	22	.3	37	1
E 109801	41	11	30	.3	6	4
E 109802	103	9	39	.5	8	2
E 109803	56	6	41	.1	7	1
E 109804	111	8	24	.4	9	1
E 109805	104	5	32	.2	11	1
E 109806	217	5	46	.2	3	1
E 109807	89	9	48	.2	2	6
E 109808	107	2	26	.4	4	2
E 109809	117	6	27	.5	8	1
E 109810	79	4	39	.3	13	2
E 109811	67	3	42	.2	12	1
E 109812	50	3	34	.4	9	1
E 109813	49	6	29	.4	15	1
E 109814	51	5	33	.2	15	1
E 109815	31	5	32	.1	10	2
E 109816	45	7	34	.1	8	1
STD C/AU-R	57	36	127	7.0	38	500

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
E 109817	52	6	24	.2	9	1
E 109818	84	6	26	.1	9	2
E 109819	60	9	19	.1	9	1
E 109820	72	15	39	.1	12	1
E 109821	97	10	45	.1	3	1
E 109822	64	7	15	.1	8	1
E 109823	54	2	7	.2	7	1
E 109824	53	5	7	.1	8	2
E 109825	65	2	11	.1	3	1
E 109826	89	10	23	.2	5	1
E 109827	103	6	22	.1	10	9
E 109828	22	15	64	.1	5	2
E 109829	11	10	62	.1	2	3
E 109830	16	11	65	.1	7	1
E 109831	72	6	27	.1	7	1
E 109832	145	3	20	.1	7	2
E 109833	118	7	36	.1	10	1
E 109834	106	4	18	.1	11	19
E 109835	84	8	26	.1	12	2
E 109836	127	8	38	.2	6	1
E 109837	76	6	24	.1	7	1
E 109838	39	2	27	.1	9	2
E 109839	44	3	30	.1	8	4
88-6 E 109840	64	5	23	.1	8	2
E 109841	39	9	139	.1	19	1
88-7						
E 109842	124	8	204	.1	22	2
E 109843	202	42	139	4.5	28	2920
E 109844	164	37	221	1.9	73	5285
E 109845	119	110	331	1.8	32	2
E 109846	88	79	251	2.1	28	32
E 109847	92	18	233	.3	10	1
E 109848	139	11	127	.1	5	25
E 109849	154	9	157	.1	8	1
E 109850	120	8	101	.1	10	1
E 109851	131	13	120	.1	4	4
E 109852	133	3	85	.1	2	2
STD C/AU-R	58	42	132	6.8	44	490

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
E 109853	146	5	109	.3	3	8
E 109854	118	7	84	.4	2	6
E 109855	148	3	77	.4	3	13
E 109856	160	8	76	.3	2	6
E 109857	196	7	79	.4	4	7

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
TA-88-61	101	516	823	1727	79.0	14	3	826	2.05	38	5	2	1	354	32	298	2	17	3.88	.038	2	9	.58	47	.01	14	.07	.01	.03	2	1485
TA-88-62	533	115	288	135	6.8	13	4	1184	2.03	27	5	ND	1	417	2	63	2	12	5.49	.045	2	5	.21	35	.01	3	.07	.01	.05	1	105
TA-88-63	83	195	2142	743	16.5	10	2	1227	2.59	30	5	ND	1	428	14	137	2	28	2.23	.013	4	5	.45	72	.01	3	.08	.01	.03	1	150
TA-88-64	4	96	23	123	.7	197	30	1434	6.13	237	5	ND	1	375	1	4	2	61	8.32	.127	6	229	2.02	60	.01	5	1.83	.01	.12	1	10
TA-88-71	2	165	28	95	.8	207	35	1097	5.90	16	5	ND	1	108	1	2	2	68	2.46	.093	3	301	3.28	71	.01	4	1.84	.01	.17	1	18
TA-88-72	3774	1077	14363	2857	184.5	65	20	177	5.02	360	5	4	1	19	57	197	<2	60	.16	.046	2	64	.06	10	.01	2	.12	.01	.10	3	3255
TA-88-73	2	55	3	68	.6	155	37	1103	6.25	2	5	ND	1	334	1	2	2	27	5.35	.096	3	250	4.74	121	.01	7	.43	.01	.26	1	92
R 6054	24	31	76	301	1.2	35	11	714	3.68	26	5	ND	1	79	2	2	2	9	2.00	.062	2	12	.39	39	.01	4	.16	.04	.06	1	46
STD C/AU-S	18	57	39	132	6.7	68	28	1050	4.05	38	17	7	36	47	18	16	18	56	.48	.089	38	55	.91	171	.06	35	1.94	.06	.15	12	500

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
88-6053	3	67	26	680	.9	67	28	432	6.95	43	5	ND	3	23	6	4	2	125	.32	.084	10	79	1.18	101	.15	6	3.93	.01	.07	1	21
88-6053A	2	26	23	376	.5	26	16	418	6.68	28	5	ND	1	18	4	2	2	87	.26	.113	7	62	.56	68	.15	2	3.64	.02	.05	2	19
88-6054	5	134	45	175	2.2	36	42	1517	13.86	75	5	ND	2	33	5	3	2	355	.65	.125	10	130	3.78	31	.19	6	3.35	.01	.16	1	240