Province of British Columbia

Ministry of Energy, Mines and Petroleum Resources

ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S)	TOTAL COST

AUTHOR(S) T. Walker SIGNATURE(S)

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED November 10, 1989 YEAR OF WORK 1989

PROPERTY NAME(S) Ta Hoola

COMMODITIES PRESENT Gold - Silver

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN

MINING DIVISION Kamloops NTS 92P/9W

LATITUDE 51° 36'N LONGITUDE 120° 28° W

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property (Examples, TAX 1-4, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)]

Ta Hoola 1-6, 9-13

Silver 1-4

OWNER(S)

(1) SMD Mining Co. Ltd. (2)

MAILING ADDRESS

122-3rd Avenue North

Saskatoon, Sask. S7K 2H6

OPERATOR(S) (that is, Company paying for the work)

(1) SMD Mining Co. Ltd. (2)

MAILING ADDRESS

(as above)

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):

Tightly folded and faulted NW-SE trending Triassic, Takla Group volcanics and sediments intruded by lower Jurassic diorites host northwest striking carbonate-quartz-sulphide vein systems carrying gold and silver values. The vein systems and iron-carbonate alteration are associated with northwest trending block faults which are common in the area. Auriferous stockwork zones and skarns in the limy sediments are also known.

REFERENCES TO PREVIOUS WORK Assessment reports in 1982, 1986, 1987 and 1988.

(over)

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	COST APPORTIONED
GEOLOGICAL (scale, area)			
Ground			
Photo			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for ....)			
Soil	120 - Au, Ag, Cu, As	Silver 4	5,165
Silt			
Rock			
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralogic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY/PHYSICAL			
Legal surveys (scale, area)			
Topographic (scale, area)			
Photogrammetric (scale, area)			
Line/grid (kilometres)			
Road, local access (kilometres)			
Trench (metres)			
Underground (metres)			
		TOTAL COST	5,165

FOR MINISTRY USE ONLY	NAME OF PAC ACCOUNT	DEBIT	CREDIT	REMARKS:
Value work done (from report)				
Value of work approved				
Value claimed (from statement)				
Value credited to PAC account				
Value debited to PAC account				
Accepted ..... Date	Rept. No.			Information Class

GEOCHEMICAL ASSESSMENT REPORT

Covering the
SILVER 4 CLAIM (MC 4245)
TA HOOLA PROJECT

KAMLOOPS MINING DIVISION

NTS 92P/9W

LATITUDE 51°36'N

LONGITUDE 120°28°W

OWNER: SMD MINING COMPANY LTD.

OPERATOR: CAMECO - A CANADIAN MINING & ENERGY CORPORATION

BY: T. WALKER, M.Sc.

DATED: NOVEMBER/1989

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SUMMARY

During mid-July, 1989 SMD personnel completed a 120 sample infill soil geochemical survey on the Silver 4 claim. This survey was designed to follow up a reconnaissance soil Ag-Cu anomaly identified by the Selco Division - BP Resources Canada in 1984.

Anomalous Ag and Cu soil geochem values from the SMD survey merge well with the Selco-BP data and outline two prominent NW-SE to E-W trending anomalies with values ranging up to 5.4 ppm Ag and 360 ppm Cu.

The largest of the two main anomalies is 1.6 km in strike length and appears to overlie the faulted contact between arenaceous sediments and andesitic volcanics belonging to the Triassic Takla Group.

Further detailed soil geochemical sampling, prospecting and trenching is recommended to investigate the source of these anomalies.

INTRODUCTION

This report covers a small soil geochemical survey on the Silver 4 claim designed to follow-up a 1984 Selco/BP reconnaissance soil Ag-Cu anomaly on and northeast of their NW-SE trending base line.

The survey was completed during mid July by personnel employed by Cameco, the parent company of SMD Mining Co. Ltd. the property owners.

LOCATION AND ACCESS

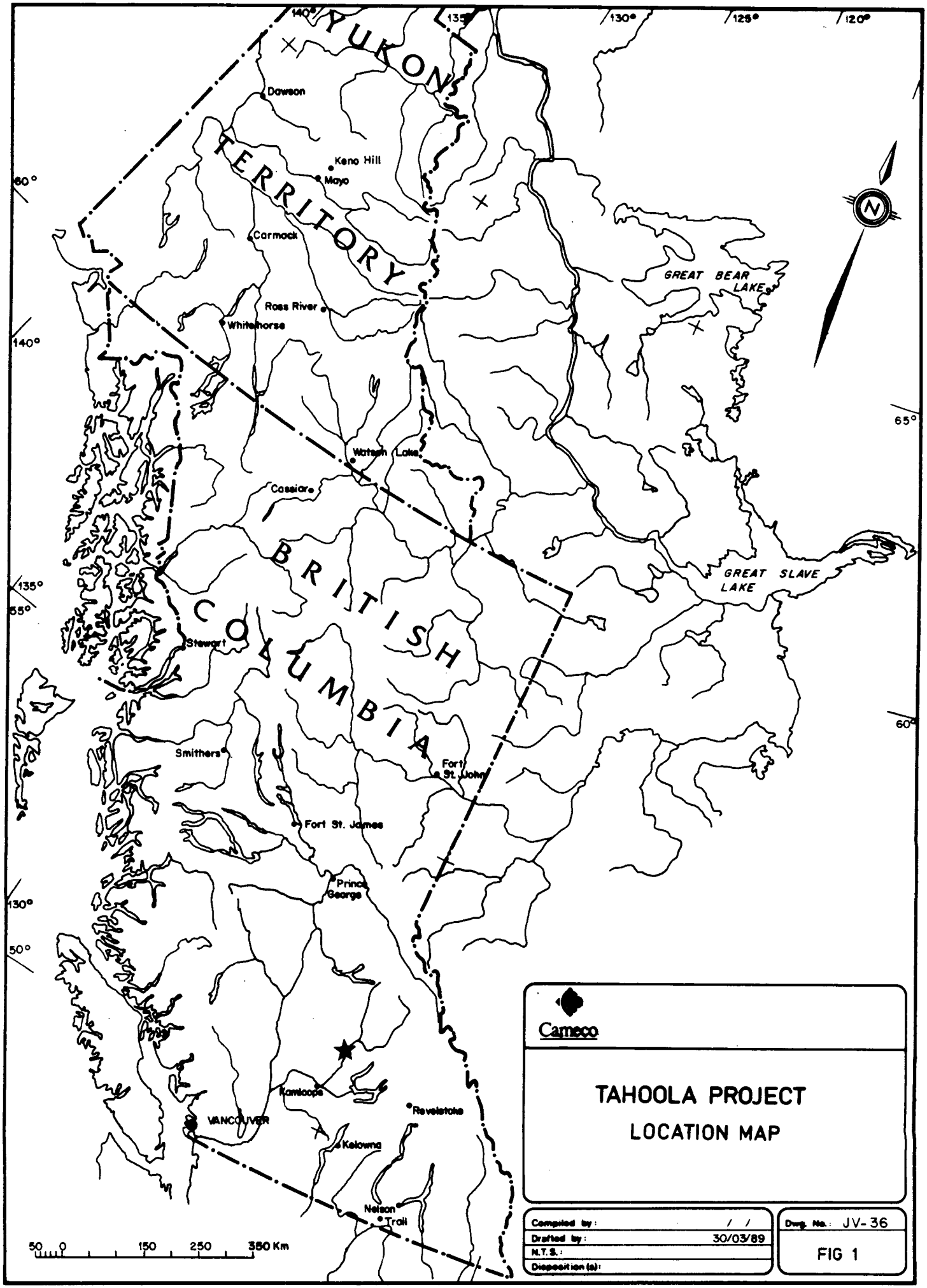
Silver 4 is the northern most claim in the 15 claim, 230 unit, Ta Hoola Project located approximately 25 km northwest of Little Fort, British Columbia on NTS Sheet 92P/9 (Figure 1).

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.

PHYSIOGRAPHY AND VEGETATION

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 Ta Hoola Project claims have been logged.


YUKON
TERRITORY
BRITISH
COLUMBIA
Dawson
Keno Hill
Mayo
Carmack
Ross River
Whitehorse
Watson Lake
Cassiar
Stewart
Smithers
Fort St. John
Fort St. James
Prince George
Kamloops
Revelstoke
VANCOUVER
Kelowna
Nelson
Trail
GREAT BEAR LAKE
GREAT SLAVE LAKE
140°
135°
130°
125°
120°
60°
65°
55°
50°
N
0 50 150 250 350 Km
Cameco
TAHOOLA PROJECT
LOCATION MAP
Compiled by: / /
Drafted by: 30/03/89
N.T.S.:
Disposition (s):
Dwg. No.: JV-36
FIG 1

CLAIMS STATUS

The Ta Hoola claim block is owned by SMD Mining Co. Ltd. a wholly owned subsidiary of Cameco - A Canadian Mining & Energy Corporation.

Essential claim details are as follows:

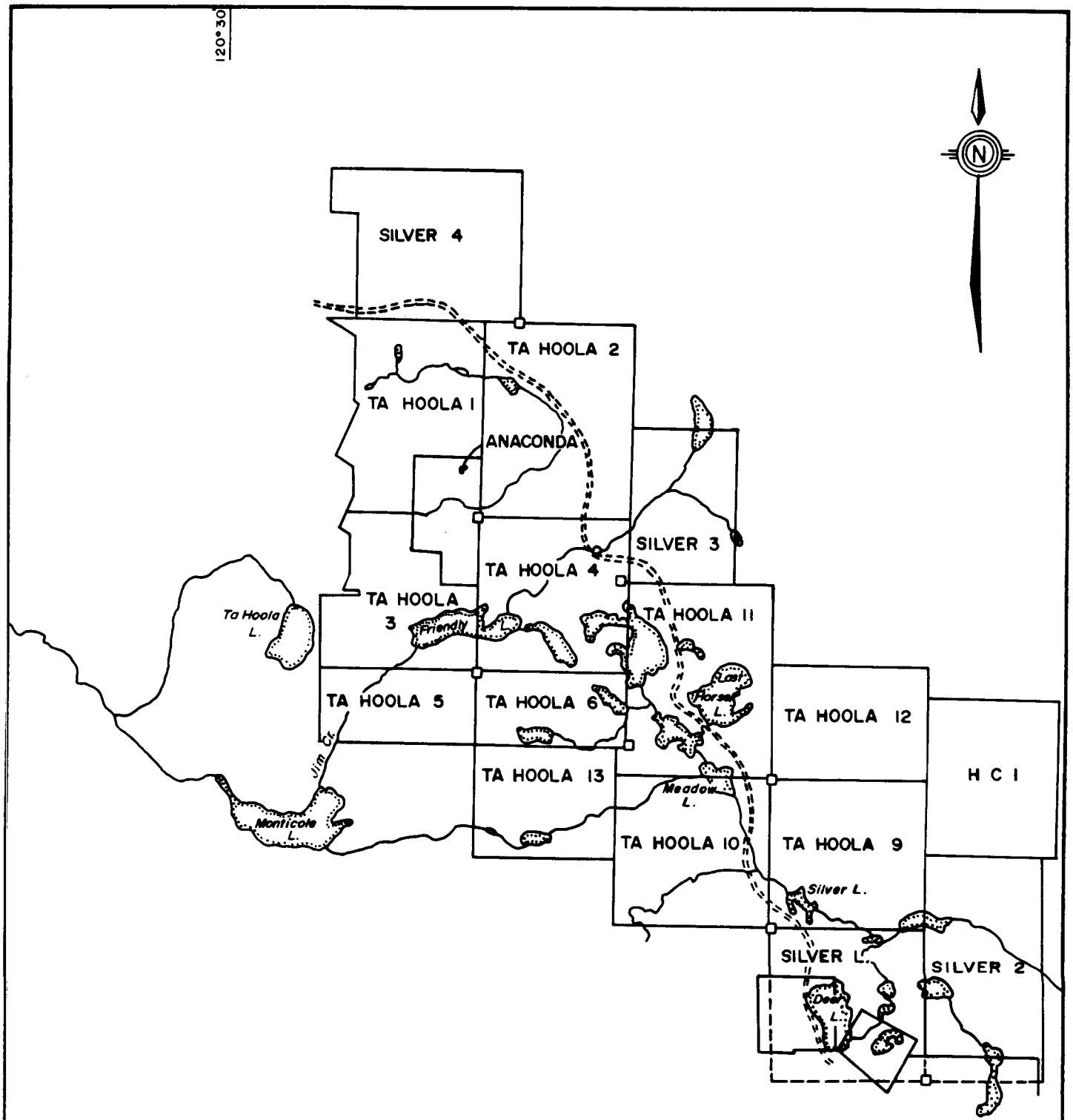
Claim Name	Record No.	No. of Units	Mining Division	Recording Date	Expiry Date
Ta Hoola 1	3332	20	Kamloops	Mar. 17/81	Mar. 17/92
Ta Hoola 2	3333	20	Kamloops	Mar. 17/81	Mar. 17/92
Ta Hoola 3	3334	16	Kamloops	Mar. 17/81	Mar. 17/92
Ta Hoola 4	3335	16	Kamloops	Mar. 17/81	Mar. 17/94
Ta Hoola 5	3336	8	Kamloops	Mar. 17/81	Mar. 17/92
Ta Hoola 6	3337	8	Kamloops	Mar. 17/81	Mar. 17/92
Ta Hoola 9	3572	16	Kamloops	Jun. 11/81	Jun. 11/89
Ta Hoola 10	3856	16	Kamloops	Oct. 16/81	Oct. 16/90
Ta Hoola 11	3857	20	Kamloops	Oct. 16/81	Oct. 16/90
Ta Hoola 12	3858	12	Kamloops	Oct. 16/81	Oct. 16/90
Ta Hoola 13	3859	12	Kamloops	Oct. 16/81	Oct. 16/91
Silver 1	4242	16	Kamloops	Nov. 17/81	Nov. 17/89
Silver 2	4243	18	Kamloops	Nov. 17/81	Nov. 17/90
Silver 3	4244	12	Kamloops	Nov. 17/81	Nov. 17/89
Silver 4	4245	20	Kamloops	Nov. 17/82	Nov. 17/90*
TOTAL UNITS		230			

(* pending approval of this submission)

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



SMD MINING COMPANY LIMITED

TA HOOLA PROJECT
CLAIM LOCATION

Compiled by: T. Walker / /	Dwg. No.:
Drafted by: M. M. / /	Fig. 2
N.T.S.: 92 P/9	
Disposition (s):	

describes it as a zinc-lead-silver prospect occurring in a zone of sheared argillite. This prospect has not been relocated to date.

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. 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 several of which were trenched in 1985. Thick overburden (> 4m) and flooding prevented adequate testing of these anomalies.

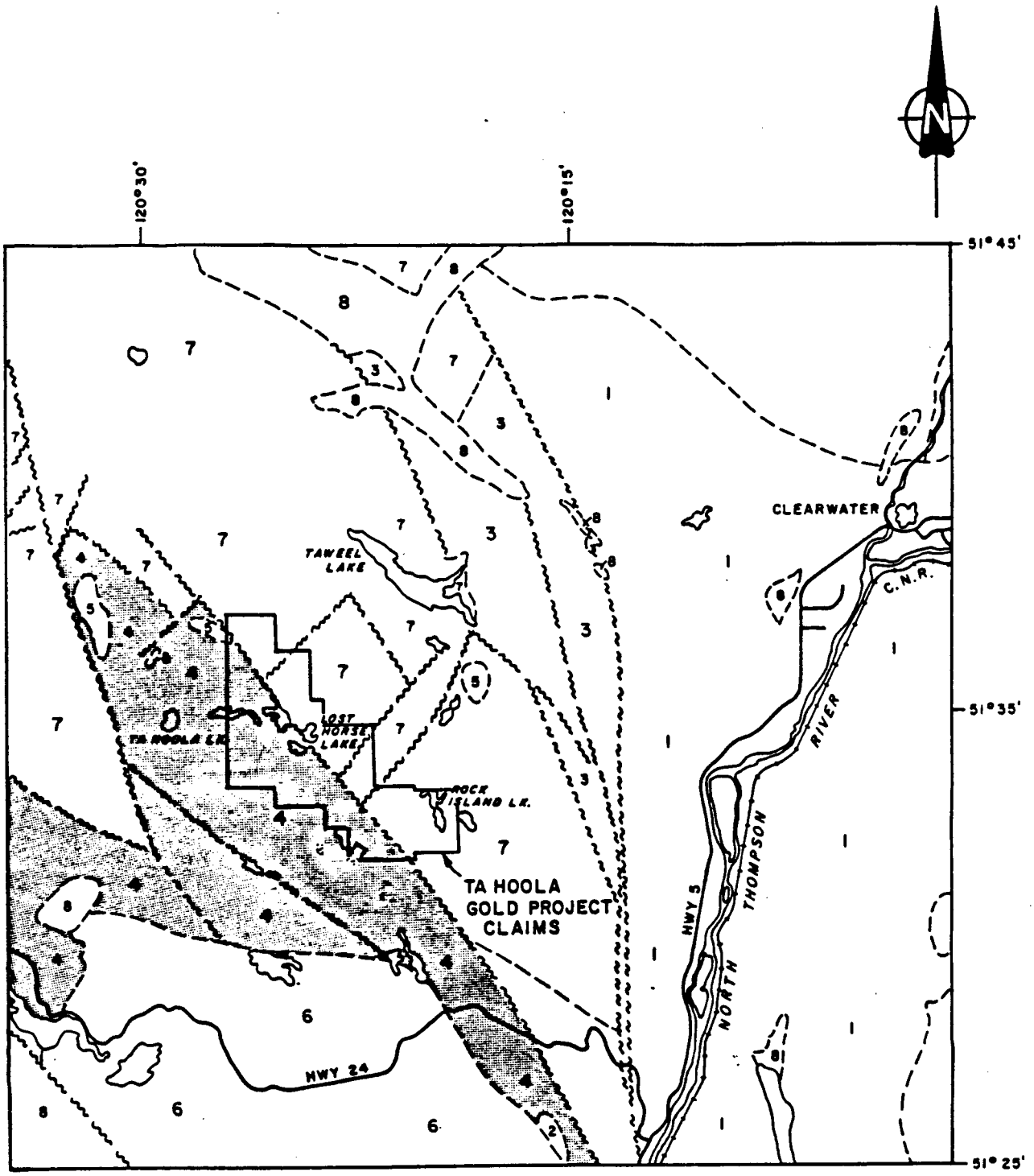
In August 1987, Rat Resources Ltd. optioned eleven of the fifteen claims on the western part of the property. Between September 1987 and October 1989, Rat Resources completed additional soil sampling limited trenching and two short drill programs totalling 767 m in seven holes. The drilling tested auriferous carbonate alteration zones east of Friendly Lake and coincident gold in soil geochem and IP anomalies southwest of Lost Horse Lake. Significant results from these drill programs include 3.1 m of 0.125 oz Au/ton from quartz-Fe carbonate altered pyritic siltstone in hole 88-7.

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 4). 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.

The epiclastic sediments are interbedded with and flank to the north and northeast the volcanic units and consist of siltstones, argillites, cherts, graywacke and conglomerate with siltstone predominating.



LEGEND

0 5 10 Km

- 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

SMD MINING COMPANY LIMITED

TA HOOLA GOLD PROJECT

REGIONAL GEOLOGY

Compiled by: / /	Dwg. No.:
Drafted by: / /	Fig. 3
N.T.S.: 92 P/9W	
Disposition (s):	

Both volcanic and sedimentary units occur on Silver 4 with massive siltstone carrying 2-5% disseminated pyrite the most common lithology. The volcanics are predominantly andesitic flows and flow breccias with restricted outcrop along two narrow NW-SE trending belts in the SW and NE parts of the property.

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 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 containing less than 1% pyrite occur within the breccia.

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.

ALTERATION AND MINERALIZATION

Carbonate alteration is widespread on the property. Narrow, randomly oriented, calcite stringers and granular aggregates are common in all units but 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.

1989 SOIL GEOCHEMICAL SURVEY

From July 18-20, 1989, Cameco personnel re-established the 1984 Selco/BP base line and ran additional infill hip chain and compass lines between 0+00N and 20+00N (map 1). The five additional infill lines (2+00N, 6+00N, 10+00N, 14+00N and 18+00N) were soil sampled at 50 m intervals along the lines. Samples were preferentially collected from the "B" soil horizon at depths ranging from 30 to 40 cm. Most samples were obtained at 35 cm depth.

All 120 samples were placed in kraft paper bags - air dried in the field, and then shipped to Eco-tech Laboratories, Kamloops for analysis. The -80 mesh dry sieved size fraction was analyzed geochemically for Cu and Ag using Aqua Region digestion and AA analysis. Gold was determined using a fire assay pre-concentration, MIBK extraction and AA analysis. Arsenic was determined using Aqua Regia digestion and sodium borohydrate generation followed by AA analysis.

Results

In general the Ag and Cu values from the 1989 infill lines (Maps 2, 3) substantiate and improve somewhat the reconnaissance anomalies picked up by Selco/BP in 1984. Silver particularly shows several strong 1.0 to 5.4 ppm, NW-SE striking anomalies on and several hundred metres NE of the base line.

The largest of these anomalies (A) is roughly 400 m NE of the base line, has a strike length of 1.6 km and is intersected by a more E-W trending anomaly between lines 10+00N and 14+00N. A roughly coincident moderate, 70-360 ppm, Cu anomaly further emphasises this Ag anomaly.

The base line Ag anomaly (B) is less well developed and has spotty coincident Cu highs but Ag values are on average higher than in anomaly A.

Gold and arsenic values from the 1989 infill lines (Maps 4 & 5) are generally incompatible with the 1984 Selco/BP survey results. These variances can be explained partially by differences in analytical techniques. The original gold analysis by Acme used only a 10 g sample and Aqua Regia digestion whereas the Eco-tech analysis were done on a full assay ton with fire assay pre-concentrations prior to digestion with Aqua Regia. This alone could account for the differences between the two data sets.

The arsenic analyses are more problematic since the hydride method used by Eco-tech is more sensitive to arsenic concentrations in the range indicated by the Acme ICP results. Hence they should be higher not lower. This suggests only partial hydride generation was achieved by Eco-tech.

All the samples will be re-run for arsenic and the duplicate base line samples will be re-run for gold.

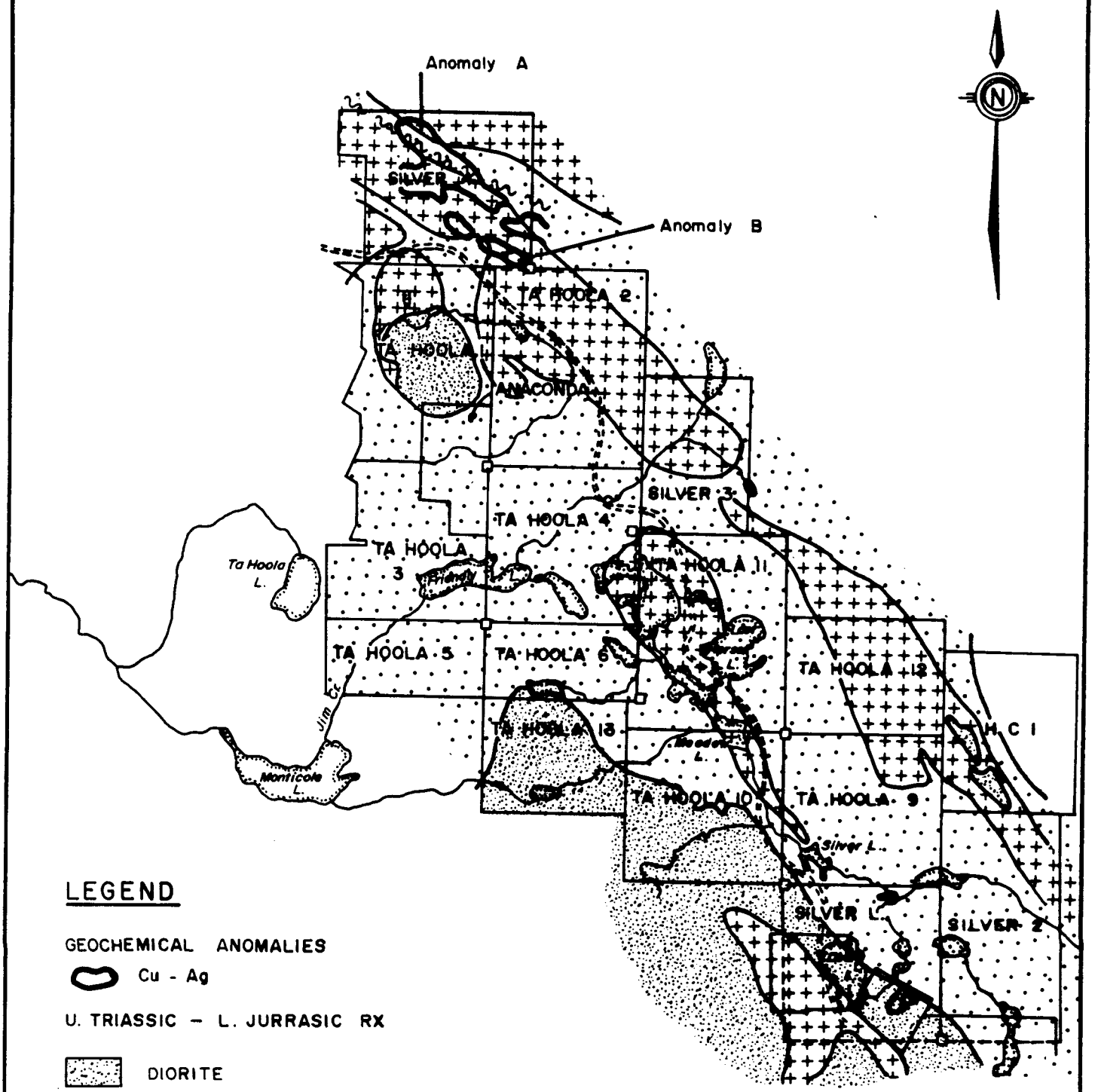
CONCLUSIONS

The Cameco infill soil survey was successful in establishing several more or less coincident strong Ag and moderate Cu anomalies on the Silver 4 claim.

The shape of these anomalies suggests two prominent trends ie. NW-SE and E-W. The NW-SE trend coincides with the general geological strike on the claim and in anomaly A the contacts between sediments and volcanics on both sides of an assumed NW-SE fault (Figure 4). The E-W trend is more difficult to explain but does have roughly the same strike as one of the other principle fault sets on the property. Both the NW-SE and E-W fault sets have been shown from work on other claims in the group and in the general area to be alteration and mineralization conduits.

RECOMMENDATIONS

The strongest parts of Cu-Ag anomalies A and B ie. line 2+00N - Station 1+00E, line 6+00N - Station 0+00, line 10+00N - Station 6+00E and line 18+00N - Station 6+00E, should be investigated further by additional detailed soil sampling, prospecting and trenching to bedrock.



LEGEND

GEOCHEMICAL ANOMALIES

Cu - Ag

U. TRIASSIC – L. JURRASIC RX

DIORITE

VOLCANICS

SEDIMENTS

0 1 2 3 km

SMD

TA HOOLA PROJECT
GEOLOGICAL & GEOCHEMICAL
COMPILATION MAP

Compiled by: T. Walker / /	Dwg. No.:
Drafted by: M. M. / /	Fig. 4
N.T.S.: 92 P/9W	
Disposition (s):	

REFERENCES

CAMPBELL, R.B., TIPPER, H.W., 1971;
Geology of Bonaparte Lake Map Area, B.C., G.S.C. Memoir 363.

GAMBLE, A.P.D., 1986;
1985 Summary Exploration Report, Geology, Geochemistry, Geophysics and Trenching on the Ta Hoola Project, Kamloops Mining Division.

REBAGLIATI, C.M., 1987;
Assessment Report on the Ta Hoola 4 claim, Kamloops Mining Division, B.C., for Rat Resources Ltd.

REBAGLIATI, C.M., 1988;
Assessment Report on the Ta Hoola 9, Silver 2 and 3 and Rock Island claims, Kamloops Mining Division, B.C., for Rat Resources Ltd.

RUCK, P., 1982;
1982 Exploration Report, Geology, Geochemistry, Geophysics, Ta Hoola Project, Kamloops Mining Division, B.C.

STATEMENT OF COSTS:

Silver 4 claim

Personnel

1) Grid Preparation and soil sampling July 18 to 20 - 3 days

Frank Hrdy - Geologist

3 days @ $141/day = $ 423

Ian Burt - Senior Assistant

3 days @ $128/day = $ 384

Marc Ellmers - Junior Assistant

3 days @ $96/day = $ 288

2) Travel to project from Rossland B.C.

1/2 day each way

3 man days @ $365/day = $ 365

3) Report Prep. during Oct. 23 to Nov. 3/89

T. Walker - Dist. Geol. 3 days @ $279/day = $ 837

4) Computer Drafting 2 days @ $230/day = $ 460

Subtotal Personnel $2,757

Camp

Accom. & Meals Rivermount Motel, Little Fort $ 385

Misc. supplies - soil bags, flagging tape etc. $ 186

Subtotal Camp $ 571

Analysis

Eco-Tech Laboratories Ltd.:

Au, Ag, Cu, As analysis-120 @ $13.28/sample $1,593

Transportation

4 x 4 Rental 4 days @ $47.00/day = $188

+ gas = $ 56 $ 244

TOTAL PROGRAM COSTS $5,165

Compiled by: T. Walker

District Geologist

CERTIFICATE OF QUALIFICATIONS

I, Terence Walker, of 20 Mills Crescent, Saskatoon, Saskatchewan, hereby certify that:

1. I am a District Geologist employed by Cameco, A Canadian Mining and Energy Corporation with offices at 122-3rd Avenue North, Saskatoon, Saskatchewan and that SMD Mining Co. Ltd. (the registered property owner) is a wholly owned subsidiary of Cameco.

2. I am a graduate of University College, London, England (B.Sc. Geology, 1968).

3. I am a graduate of McGill University, Montreal, Canada (M.Sc. Applied Mineral Exploration, 1978.

4. I have practised my profession continuously between 1968 and 1976 and since graduation in 1978.

5. The foregoing report is based on:
   a) a study of all available government reports, and;
   b) my personal knowledge of the general area resulting from regional studies and from examinations of the property and results of the exploration programs conducted under my supervision.

T. Walker
November 3, 1989

APPENDIX I

ECO-TECH LABORATORIES LTD.
ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

JULY 31, 1989

CERTIFICATE OF ANALYSIS ETK 89-462

CAMECO - A CANADIAN MINING & ENERGY CORPORATION
122 - 3rd Avenue North
SASKATOON, Saskatchewan
S7K 2H6

Attention: TERRY WALKER

SAMPLE IDENTIFICATION: 120 SOIL samples received July 20, 1989
PROJECT: TA HOOLA
P.O. NO. : 2473

ET #	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	As (ppm)
462 - 1	TA9R 2000	5	2.0	108	1
462 - 2	TA9R 2001	<5	.9	41	1
462 - 3	TA9R 2002	10	.5	48	<1
462 - 4	TA9R 2003	<5	.3	37	<1
462 - 5	TA9R 2004	5	.4	43	<1
462 - 6	TA9R 2006	15	.5	60	<1
462 - 7	TA9R 2007	5	.8	23	1
462 - 8	TA9R 2008	20	1.2	37	<1
462 - 9	TA9R 2009	10	.9	29	<1
462 - 10	TA9R 2010	15	.8	41	<1
462 - 11	TA9R 2011	15	.9	68	1
462 - 12	TA9R 2012	10	1.4	84	2
462 - 13	TA9R 2013	5	1.3	70	1
462 - 14	TA9R 2014	5	1.2	83	2
462 - 15	TA9R 2015	5	1.2	47	1
462 - 16	TA9R 2016	25	4.8	112	1
462 - 17	TA9R 2017	25	.6	69	2
462 - 18	TA9R 2018	20	.6	67	2
462 - 19	TA9R 2019	20	1.5	166	1
462 - 20	TA9R 2020	10	.5	48	2
462 - 21	TA9R 2021	10	1.4	104	<1
462 - 22	TA9R 2022	20	1.6	127	1
462 - 23	TA9R 2023	20	1.4	90	1
462 - 24	TA9R 2024	15	.9	74	1
462 - 25	TA9R 2025	10	.3	46	2
462 - 26	TA9R 2026	20	.6	60	<1
462 - 27	TA9R 2027	25	.2	43	<1
462 - 28	TA9R 2028	20	.3	46	<1
462 - 29	TA9R 2029	25	<.1	39	<1
462 - 30	TA9R 2030	20	<.1	71	<1

ECO-TECH LABORATORIES LTD.
ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

CAMECO - A CANADIAN MINING & ENERGY CORPORATION JULY 31, 1989

ET #	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	As (ppm)
462 - 31	TA9R 2031	30	1.1	105	1
462 - 32	TA9R 2032	30	1.5	93	<1
462 - 33	TA9R 2033	20	.9	83	2
462 - 34	TA9R 2034	25	.5	66	1
462 - 35	TA9R 2035	25	.6	67	1
462 - 36	TA9R 2036	30	<.1	14	<1
462 - 37	TA9R 2037	15	.6	46	1
462 - 38	TA9R 2038	40	.6	83	1
462 - 39	TA9R 2039	45	1.8	360	11
462 - 40	TA9R 2040	50	.8	141	7
462 - 41	TA9R 2041	65	.5	119	6
462 - 42	TA9R 2042	55	.6	76	5
462 - 43	TA9R 2043	40	.5	21	5
462 - 44	TA9R 2044	25	.6	52	5
462 - 45	TA9R 2045	15	.4	27	4
462 - 46	TA9R 2046	15	.5	39	4
462 - 47	TA9R 2047	25	1.0	54	5
462 - 48	TA9R 2048	20	.7	61	5
462 - 49	TA9R 2049	10	.8	19	4
462 - 50	TA9R 2050	25	3.4	159	4
462 - 51	TA9R 2051	15	.7	64	3
462 - 52	TA9R 2052	35	.2	60	6
462 - 53	TA9R 2053	30	.2	32	6
462 - 54	TA9R 2054	60	.6	109	4
462 - 55	TA9R 2055	20	.5	35	6
462 - 56	TA9R 2056	10	.7	23	5
462 - 57	TA9R 2057	10	.6	34	5
462 - 58	TA9R 2058	40	1.0	145	5
462 - 59	TA9R 2059	30	1.2	298	5
462 - 60	TA9R 2060	10	.4	62	4
462 - 61	TA9R 2061	30	1.0	109	7
462 - 62	TA9R 2062	45	.8	74	7
462 - 63	TA9R 2063	55	.7	92	5
462 - 64	TA9R 2064	65	.2	59	6
462 - 65	TA9R 2065	215	1.0	98	6
462 - 66	TA9R 3001	25	.5	26	4
462 - 67	TA9R 3002	15	.8	48	5
462 - 68	TA9R 3003	25	.2	85	5
462 - 69	TA9R 3004	20	<.1	45	6
462 - 70	TA9R 3005	20	2.0	68	3
462 - 71	TA9R 3006	20	1.0	26	4
462 - 72	TA9R 3007	10	.7	27	4
462 - 73	TA9R 3008	20	.4	47	3
462 - 74	TA9R 3009	10	.3	25	3
462 - 75	TA9R 3010	5	.4	41	4

ECO-TECH LABORATORIES LTD.
ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

CAMECO - A CANADIAN MINING & ENERGY CORPORATION JULY 31, 1989

ET #	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	As (ppm)
462 - 76	TA9R 3011	10	.9	43	5
462 - 77	TA9R 3012	10	.6	50	1
462 - 78	TA9R 3013	10	1.0	34	2
462 - 79	TA9R 3014	20	1.3	85	2
462 - 80	TA9R 3015	15	1.2	41	1
462 - 81	TA9R 3016	20	1.0	64	3
462 - 82	TA9R 3017	5	.5	40	1
462 - 83	TA9R 3018	5	2.6	67	1
462 - 84	TA9R 3019	<5	.6	53	1
462 - 85	TA9R 3020	10	<.1	44	1
462 - 86	TA9R 3021	15	2.3	187	1
462 - 87	TA9R 3022	15	.5	12	<1
462 - 88	TA9R 3023	5	.7	39	<1
462 - 89	TA9R 3024	15	.6	37	1
462 - 90	TA9R 3025	25	2.6	179	1
462 - 91	TA9R 3026	10	.4	30	1
462 - 92	TA9R 3027	10	.9	51	1
462 - 93	TA9R 3028	25	5.4	145	4
462 - 94	TA9R 3029	<5	.7	24	2
462 - 95	TA9R 3030	<5	.6	44	2
462 - 96	TA9R 3031	10	.5	27	2
462 - 97	TA9R 3032	10	1.0	56	2
462 - 98	TA9R 3033	5	2.4	114	1
462 - 99	TA9R 3034	<5	1.5	62	1
462 - 100	TA9R 3035	20	1.0	56	1
462 - 101	TA9R 3036	20	1.2	59	2
462 - 102	TA9R 3037	20	.8	35	1
462 - 103	TA9R 3038	15	.9	62	1
462 - 104	TA9R 3039	10	.6	54	<1
462 - 105	TA9R 3040	15	.8	35	2
462 - 106	TA9R 3041	5	2.0	41	2
462 - 107	TA9R 3042	<5	1.4	39	2
462 - 108	TA9R 3043	15	.8	26	2
462 - 109	TA9R 3044	<5	1.2	38	2
462 - 110	TA9R 3045	15	.8	43	2
462 - 111	TA9R 3046	10	2.5	43	2
462 - 112	TA9R 3047	<5	1.5	55	2
462 - 113	TA9R 3048	45	2.7	107	2
462 - 114	TA9R 3049	10	.7	41	2
462 - 115	TA9R 3050	20	1.1	76	23
462 - 116	TA9R 3051	20	.3	41	20
462 - 117	TA9R 3052	5	1.1	38	20
462 - 118	TA9R 3053	10	<.1	24	16
462 - 119	TA9R 3054	20	.2	24	16
462 - 120	TA9R 3055	20	<.1	5	1

NOTE: < = less than

ECO-TECH LABORATORIES LTD.
DOUG HOWARD
B.C. CERTIFIED ASSAYER

cc: FRANK HRDY
SASKATOON

ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

I N V O I C E

DATE: JULY 31, 1989

CAMECO - A CANADIAN MINING & ENERGY CORPORATION
122 - 3RD AVENUE NORTH
SASKATOON, SASKATCHEWAN
S7K 2H6

INVOICE #: ETK 89-462

ATTENTION: TERRY WALKER

A N A L Y S E S		PRICE/SAMPLE	AMOUNT
	PROJECT: TA HOOLA		
	P.O. NO.: 2473		
120	SAMPLE PREP. (SOIL)	1.00	120.00
120	AU GEOCHEM	6.75	810.00
120	SETS AG/CU GEOCHEM	3.00	360.00
120	AS GEOCHEM	4.00	480.00
	SUB-TOTAL:		1770.00
	LESS 10% DISCOUNT:		177.00
	TOTAL DUE & PAYABLE UPON RECEIPT:		1593.00

TERMS: NET 30 DAYS. INTEREST AT RATE OF 1-1/2% PER MONTH (18% PER ANNUM) WILL BE CHARGED ON OVERDUE ACCOUNTS.

SILVER 4 MC 4245

0+00 E

24+00N

20+00N

16+00N

12+00N

8+00N

6+00N

4+00N

0+00N

D

5000

5200

2054 2052 2050 2048 2046 2044 2042 2040 2038 2056 2058

2037 2035 2033 2031 2029 2027 2025 2023 2021 2060 2062

2020 2018 2016 2014 2012 2010 2008 2006 2000 2002 2004

2065 2063

3021 3019 3017 3015 3013 3011 3009 3007 3005 3003 3001

3050 3048 3046 3044 3042 3040 3038 3036 3034 3032 3030 3028 3026 3024 3022 3055 3053 3051

LCP

0 100 200 300 400 m
1:10,000

LEGEND

1986 BP/SELCO Samplelines

1989 SMD Samplelines

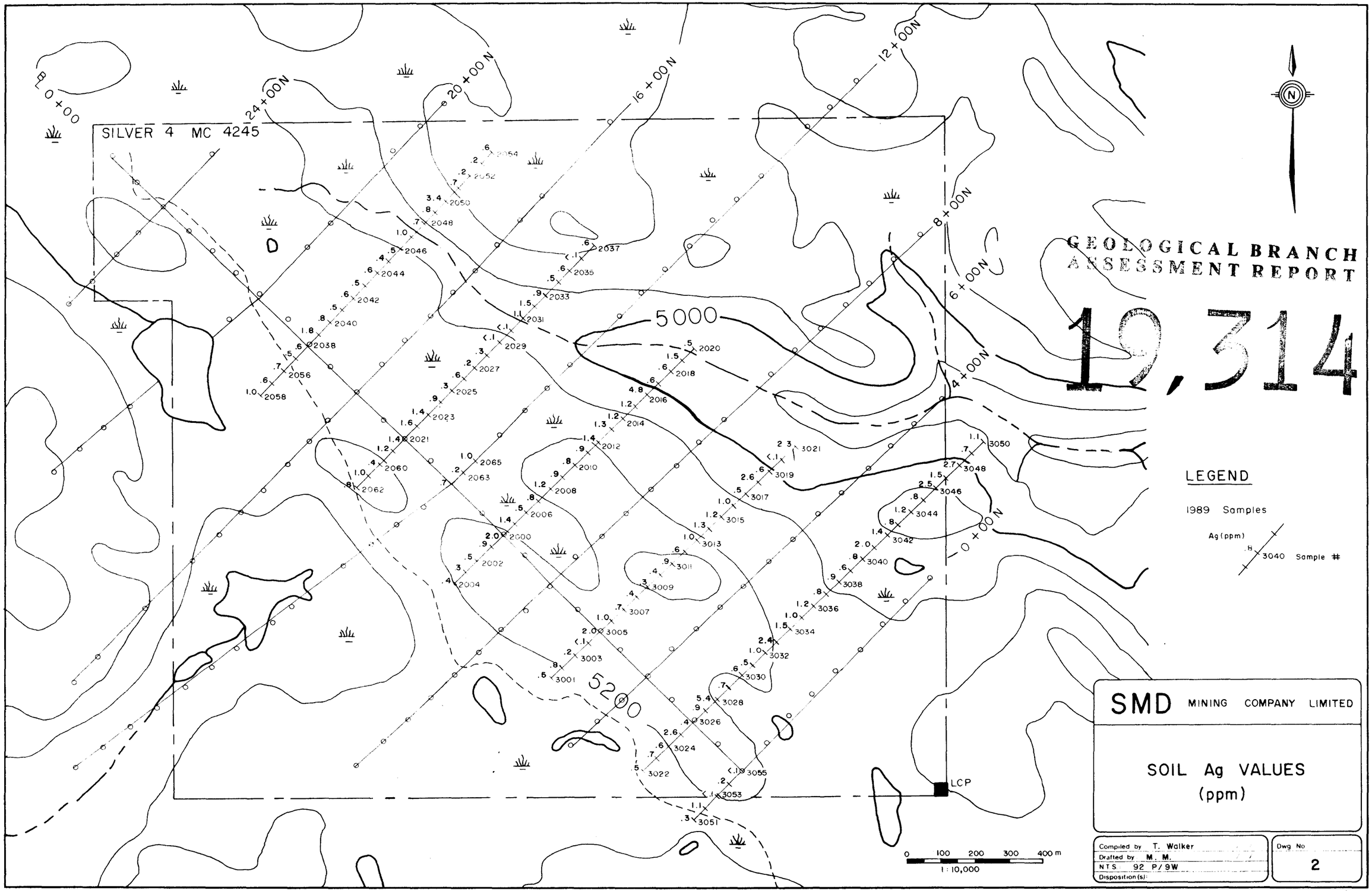
(all #'s prefixed by TA9R)

SMD MINING COMPANY LIMITED

SAMPLE LOCATION MAP

Compiled by T. Walker
Drafted by M. M.
N.T.S. 92 P/9W
Disposition(s)

Dwg. No. 1



SMD MINING COMPANY LIMITED

SOIL Ag VALUES (ppm)

Compiled by T. Walker	Dwg No 2
Drafted by M. M.	
NTS 92 P/9W	
Disposition (s):	

SILVER 4 MC 4245

24+00N
20+00N
16+00N
12+00N
8+00N
6+00N
4+00N
0+00N
8+00W

5000
5200

LCP

LEGEND

1989 Samples (SMD)

Au (ppb) 15 / 3040 Sample #

0 100 200 300 400 m
1:10,000

SMD MINING COMPANY LIMITED

SOIL Au VALUES (ppb)

Compiled by T. Walker
Drafted by M. M.
N.T.S. 92 P/9W
Dispositionist

Dwg. No. 4

SILVER 4 MC 4245

8+00N
12+00N
16+00N
20+00N
24+00N
4+00N
6+00N
0+00N

5000
5200

D

LCP

LEGEND

1989 Samples (SMD)

As (ppm)
3040 Sample #

0 100 200 300 400 m
1:10,000

SMD MINING COMPANY LIMITED

SOIL As VALUES (ppm)

Compiled by T. Walker
Drafted by M. M.
N.T.S. 92 P/9W
Disposition(s)

Dwg. No. 5

SILVER 4 MC 4245

0+00
24+00N
20+00N
16+00N
12+00N
8+00N
6+00N
4+00N
0+00N

5000
5200

D

109 2054
32 2052
60 2052
64
159 2050
19 2048
61
54
39 2046
27
52 2044
21
76 2042
119
141 2040
360
83 2038
35
23 2056
34
145 2058
46 2037
14
67 2035
66
83 2033
93
105 2031
71
39 2029
46
43 2027
60
46 2025
74
90 2023
127
104 2021
298
62 2060
109 2062
98 2065
59 2063
92
48 2020
166
67 2018
69
112 2016
47
83 2014
70
84 2012
68
41 2010
29
37 2008
23
60 2006
51
108 2000
41
48 2002
37
43 2004
26 3001
78
85 3003
45
68 3005
26
27 3007
47
25 3009
41
43 3011
50
34 3013
85
41 3015
64
40 3017
67
55 3019
44
187 3021
76 3050
41
107 3048
55
43 3046
73
38 3044
26
39 3042
41
35 3040
54
62 3038
35
59 3036
56
62 3034
114
56 3032
27
44 3030
24
145 3028
51
30 3026
179
37 3024
39
12 3022
59 3055
24
24 3053
38
41 3051

LCP

0 100 200 300 400 m
1 : 10,000

LEGEND

1989 Samples (SMD)

Cu (ppm) 35 3040 Sample #

SMD MINING COMPANY LIMITED

SOIL Cu VALUES (ppm)

Compiled by T. Walker	Dwg No 3
Drafted by M. M.	
NTS 92 P/9W	
Disposition(s)	