



091069

SMD MINING CO. LTD.
 GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL
 ASSESSMENT REPORT ON THE AM GROUP OF CLAIMS
 WATSON LAKE MINING DISTRICT
 YUKON TERRITORY
 NTS 105 J/3 AND 4
 63°13' LATITUDE; 131°32' LONGITUDE
 PERIOD OF WORK:
 MAY 10 to JULY 24, 1982

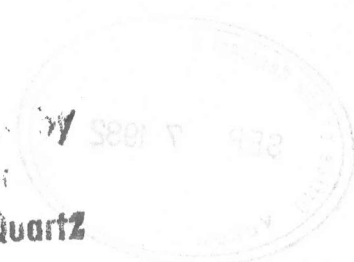
August 1982

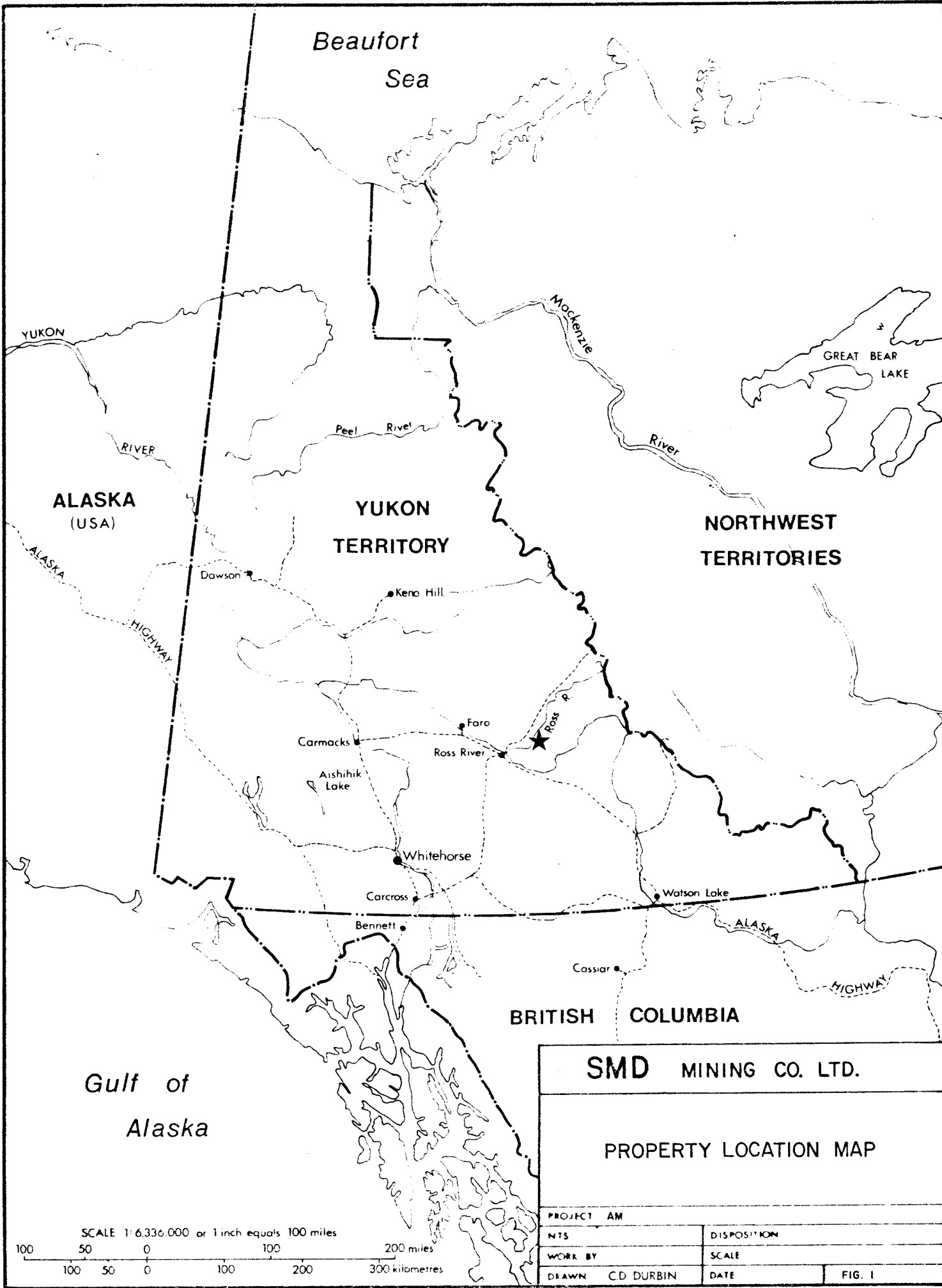
T. Walker
 District Geologist
 Yukon

This report was prepared by
the Geological Survey
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work to the amount
of \$ 36,075

R. Watson

Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.





Beaufort
Sea

ALASKA
(USA)

YUKON
TERRITORY

NORTHWEST
TERRITORIES

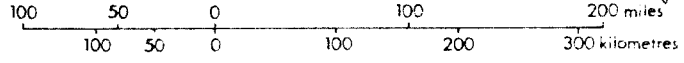
BRITISH COLUMBIA

Gulf of
Alaska

SMD MINING CO. LTD.

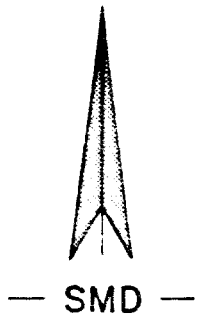
PROPERTY LOCATION MAP

SCALE 1:6336,000 or 1 inch equals 100 miles



PROJECT AM		DISPOSITION	
NTS		SCALE	
WORK BY		DATE	FIG. 1
DRAWN CD DURBIN			

ROSS RIVER



SMD MINING CO. LTD.			
DISPOSITION MAP			
PROJECT		AM PROJECT	
NTS	105-J-3,4	DISPOSITION	CLAIMS 1-93
WORK BY		SCALE	1/2 mile to 1 inch
DRAWN	C.D. DURBIN	DATE	MAP 2

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SUMMARY

During June and July 1982 reconnaissance soil geochemistry, geological mapping and prospecting were completed on claims 13 - 99 of the AM Group. In addition, approximately 40 km of cut grid lines were established under contract and by SMD personnel. Approximately 30 km of ground magnetics were also completed and six additional claims were staked following discovery of mineralized outcrop outside the claim group.

The soil geochemical survey enlarged the main Mo-Cu-Ag zone to the west and indicated a new Pb-Zn zone in unmetamorphosed sediments on the west side of the property.

Prospecting and mapping indicated increased mineral contents in and close to faults and dykes in the main Mo-Cu stockwork. Also a calc-silicate skarn zone bearing high grade Cu-Zn pods and lenses was found at the northeast end of the strong Pb-Zn anomaly around the north end of the central granodiorite outcrop. Vein and possible strataform Zn-Pb mineralization found on claim 59 may be related to this Pb-Zn geochemical anomaly.

The ground magnetics indicated the presence of buried intrusions below the southeast part of the Mo-Cu zone and along the western edge of the Cu-Pb-Zn-Ag breccia zone found during 1981. Other smaller and more intense anomalies appear to indicate mineralized skarn zones and or block faults, although these interpretations are guarded due to the noisiness of the data.

INTRODUCTION

This report is submitted in order to fulfill the requirements for assessment work on quartz mineral claims AM 23 - 99 (Appendix I) adjoining claims AM 1 - 22 and located 51 km northeast of the town of Ross River.

Access to the property was by helicopter from Ross River. During the period May 10 - July 24, 1982 the reconnaissance geological and geochemical surveys initiated in the summer of 1981 on AM 1 - 12 were extended to cover all the remaining claims (AM 13 - 93) in the AM group. A widely spaced "tie line" grid and a more detailed geophysical grid were cut and a limited ground magnetometer survey was conducted.

As a direct result of successful prospecting on the west boundary of the claim group, six additional quartz minerals (AM 94 - 99) were staked by SMD personnel in early July.

All the work described within this report was done on behalf of the claim owner, SMD Mining Co. Ltd.

LINE CUTTING AND CLAIM STAKING

Thirty-four km of cut line were completed under contract by Ketza Enterprises Ltd., Ross River between May 10 and June 13, 1982.

Two orthogonal base lines at 015° and 105° (designated 100+00E and 100+00N respectively) were established and four 015° tie lines were turned of the 105° base line (Map 3). In addition, a grid of east-west (105°) lines 200 m apart was cut to facilitate geophysical surveys in the main Mo-Cu anomaly area on claims 1 - 6 and 17 - 22.

During July SMD personnel cut 5 additional line km (92+00N, 98+00N and 106+00N) on the above geophysical grid plus a 0.7 km 060° base line for a detailed soil grid on claims 12 and 35.

Six additional claims (AM 94 - 99) were staked by SMD personnel on July 4, 1982. These claims adjoin AM 92 and 93 to the south and AM 14, 59 and 61 to the east.

GEOCHEMICAL SURVEYS

Reconnaissance soil geochemical coverage of claims 13 - 99 was completed during June and July by SMD personnel. Hip chained compass lines parallel to base line 100+00N were run at 200 m intervals along base line 100+00E. "C" zone soil samples were collected every 100 m along these lines as in the original survey of claims 1 - 12.

A detailed soil grid using 100 m line and 25 m sample spacing was established over the assumed strike extensions of a Cu-Zn skarn zone outcropping on claim 35.

A total of 1,200 soil samples were collected and analyzed for Cu, Mo, Pb, Zn and Ag by Acme Analytical Laboratories Ltd., Vancouver. The samples were dried, hand crushed and sieved to -80 mesh in the lab prior to analysis by Inductively Coupled Argon Plasma emission spectroscopy (ICAP).

The analysis results have been plotted as a series of contoured geochemical maps for each individual element (Maps 4 - 8). Data from the detailed "skarn" grid and the survey of claims 1 - 12 have been incorporated into these maps. The contour intervals used are those selected from the earlier data.

Results

The main result of this year's extended reconnaissance survey has been to extend the Mo-Cu-Ag anomaly on claims 3 and 6 west to cover most of claims 17, 20 and 21. The boundaries of the Mo anomaly are well defined and enclose a rectangular area 1200 m north-south by 1000 m east-west. The Cu and Ag anomalies extend further west to cover the mineralized breccia on claims 18 and 19. A secondary lower order Cu-Ag anomaly occupies the low ground on claims 86 - 93.

Within the main Mo-Cu-Ag anomaly are several north-south to northeast-southwest elongate zones 100 - 200 m wide of much higher values. These are particularly evident on the Cu and Ag maps and appear to coincide with better mineralized fault breccia zones and dykes.

Several other smaller and more diffuse Mo \pm Cu, Ag anomalies occur on the east half of the property, especially on claims 25 - 27, 33 - 36 and 49 - 50. These areas contain scattered outcrops of quartz veined hornfels developed around the easternmost intrusive outcrops.

Probably the most interesting new anomaly detected is a large area of enhanced Pb-Zn values on claims 14, 15 and 90 - 95. This zone appears to wrap around and overlies the southern edge of the Mo-Cu-Ag anomaly. The core of this anomaly occupies most of claims 90 - 93 and the southwest quarter of claim 15. Values within this core range from 80 - 400 ppm Pb and 500 - 4900 ppm Zn. Disseminated sphalerite \pm galena was found within the anomaly on claim 14.

A number of other 1 - 3 sample Pb-Zn \pm Ag anomalies trend roughly northeast across claims 59 - 60, 67 and 68. Some of them have Pb values in excess of 300 ppm.

The detailed "skarn" grid shows a number of 25 - 75 m wide northeast elongate Pb \pm Zn \pm Ag \pm Cu anomalies coincident with the local strike of the skarn host rocks. These anomalies trend southwest into the Pb-Zn anomaly belt on claims 7, 10 and 11. This strongly suggests that this latter anomaly reflects mineralized skarns also.

GEOLOGICAL SURVEY

Prospecting and geological mapping were carried out in conjunction with the soil sampling program, the soil traverse and cut lines being used for control. More detailed mapping was also carried out in the main Mo-Cu-Ag anomaly area and the geology of claims 1 - 12 was revised.

The geological data is presented as a partially interpreted outcrop map (9) which also incorporates the revised 1981 data and the detailed mapping in the "skarn" grid area. Structural interpretations are based on a study of available black and white Canadian Government air photos (approximate scale 1:40,000) and ground observations.

One hundred and sixty rock samples were collected during the survey. All were geochemically analyzed for Mo, Cu, Pb, Zn and Ag by ICAP and Au by AA. The results of these analyses are presented on Map 10.

Intrusive Rocks

This year's mapping program confirmed the presence of several bodies of intrusive quartz, hornblende, biotite granodiorite to quartz diorite. It is now obvious, however, that their north-northeast elongation and outcrop distribution are strongly controlled by faulting and, in fact, they probably represent fault bounded panels of the same plug. This interpretation is supported by the airborne mag anomaly shape over the AM intrusive.

One set of conjugate fractures predominates; these strike at 010° - 020° and 060° - 080° . The former appear to slice the intrusion into three blocks which successively down throw to the west. This down throw is reflected in reduction in outcrop area and decrease in metamorphic grade of the hornfels from east to west. A third fracture system striking at 130° - 150° further subdivides the intrusive panels into pie and rhomboidal shaped blocks.

Fine grained quartz \pm feldspar porphyry dykes and dyke-like apophysis of the main stock are particularly common in the Mo-Cu-Ag stockwork zones on claims 3, 6, 17 and 20. Their preferred strikes are 015° - 060° and 130° - 150° . This suggests emplacement along the above fracture systems and indeed this can be observed in outcrop on claim 20. Displacement of the dykes by the 060° - 080° structures in particular occurs on claims 3, 37 and 70 suggesting continued movement after dyke emplacement.

Sedimentary Rocks

The sedimentary sequence exposed on the AM property is dominated by gray to black siliceous clastics. These vary in grain size from muds to fine sands and are often finely interbedded with mm - cm laminations. Chert pebble micro-conglomerates, black cherts, pyritic and carbonaceous shales are developed more commonly in the north and northwest sections of the property. Important minor constituents of the sequence include gray limestones and calcareous siltstones. These rocks are particularly well developed in and around the breccia zone on claims 19 and 20 but also occur within the hornfels zone as bands of siliceous pyroxene bearing skarn.

All the above sediments have been subjected to thermal metamorphism by the granodiorite intrusion. The effect has been to produce a zone of baked and silicified hornfels (Units 3 and 4) 200 - 300 m wide around the main intrusive panels. At the southwest end of the central intrusive panel, the hornfels zone increases in width to 1000 m+ as it extends 1200 m southwest of the last intrusive outcrops. Within this area a central "biotite" hornfels zone is developed (Unit 4). This area contains the strongest development of mineralized quartz stockwork veining, areas of intense silicification and is invaded by aplite and quartz ± feldspar porphyry dykes.

Mineralization

Several new mineral occurrences were found outside the main Mo-Cu-Ag zone. The most significant of these is a calc-silicate skarn zone exposed for 75 m in the south wall of the gully crossing claim 68. The zone consists of pale green to white banded siliceous diopsidic rock containing disseminations, veinlets and blebs of sphalerite, chalcopyrite and galena. As mentioned above, this zone can be traced via outcrop and soil geochemistry into the hornfels zone around the west side of the central intrusive panel.

Additional minor mineral occurrences include: a $\frac{1}{2}$ - 1 m thick chalcopyrite, sphalerite, galena bearing quartz vein paralleling the faulted southwest contact of a small intrusive on claim 18, and stringer plus disseminated sphalerite ± galena and chalcopyrite mineralization in fault breccias and within dark gray green calcareous arenites on claims 57 and 97. At this latter locality the easternmost outcrops are moderately hornfelsed and contain diopsidic skarns.

In the main Mo-Cu-Ag stockwork zone better grade chalcopyrite mineralization was noted in several fault breccia zones on claims 20 and 21. Several quartz porphyry dykes in the area also appear to localize better grade mineralization.

GEOPHYSICAL SURVEY

Prominent airborne magnetic anomalies along the east and south flanks of the AM intrusion indicated the possible use of ground magnetics

to outline the intrusive areas on the property. Consequently, a ground magnetometer survey was initiated by SMD personnel using a Geometrics G-816 portable proton magnetometer and a Gem Systems GSM-8/CMG MR-20 base station magnetometer/recorder rented from EG & G Canada, Toronto. Unfortunately, due to magnetic storm activity during the survey period and equipment failure, the survey had to be abandoned after completing only 30.35 line km.

The base station was established at 83+65N, 100+00E, base value set at 58,660 gammas and MR-20 recording every 20 seconds. Readings were taken every 25 m along the surveyed lines using the G-816 with the sensor in a backpack mode. The data collected has been corrected for diurnal variations and plotted as a series of profiles alongside the traverse lines (Map 11).

Results

In general, magnetic relief is low and in the order of 200 - 500 gammas either side of the base value; locally however, increases of up to 2000 gammas were recorded. Most of the lines also show sections of pronounced spikeness, at least in part due to abrupt variations in the earth's magnetic field. Several anomalies are, however, worthy of note.

A broad anomaly of 400 - 500 gammas amplitude can be recognized on lines 94N, 96N and 100E to the north and northwest of the mutual corner posts of claims 1, 2, 3 and 4. Although somewhat spiky, the anomaly shape suggests a plug-like body at moderate depth. This anomaly underlies a strongly silicified and quartz vein hornfels zone in the main Mo-Cu-Ag anomaly area.

A similar shaped anomaly with smoother profiles occurs on lines 98N and 100N between stations 85E and 88E. Here a plug or wide dyke at greater depth is inferred. This anomaly lies along the west edge of the mineralized breccia zone on claim 19.

Three strong spike-like anomalies occur on lines 100E and 109E on claims 5/6, 11 and 36. Two of them on claims 5/6 and 11 lie close to or along strike from mineralized skarn outcrops. The other occurs on the north side of a strong northwest-southeast fault bounding a zone of sphalerite

and galena bearing carbonate/quartz veinlets. Other similar anomalies, particularly those on lines 100N and 102N from station 104 east appear to be edge effects related to fault steps throwing intrusive and or hornfels against unmetamorphosed black clastics. This area is, however, very noisy.


CONCLUSIONS

This year's work has established the outdrop dimensions of the main Mo-Cu-Ag zone at 1000 m east-west by 1200 m north-south. Although mineral grade is low, some increase does occur towards faults and dykes. This picture of an extensive mineralized quartz vein stockwork in hornfelsed clastic sediments peripheral to a granodiorite intrusion but showing increased grade in association with faults and dykes is very similar to that at Trout Lake, British Columbia. If so, potential exists for ore grade mineralization deeper in the system.

As an added sweetener highgrade Cu-Zn skarn zones, as indicated by the outcrop on claim 68, are likely to be present in the hornfels zone. The Cu-Pb-Zn-Ag bearing breccia zone on claim 19 and mag anomaly on claim 89 may indicate a second mineralized system. The Pb-Zn anomaly to the northeast of this zone on claims 90 - 93 may be related as peripheral vein mineralization or represent either Pb-Zn-Cu-Ag skarns or formational Pb-Zn in black shales.

RECOMMENDATIONS

An IP/Resistivity survey over the main Mo-Cu-Ag zone on cut lines 92N to 106N is recommended for later this year. In addition, further detailed soil geochemistry and trenching would be useful in evaluating the skarns on claims 7, 10 and 68 and the Pb-Zn anomaly on claims 90 - 93.



T. Walker
District Geologist, Yukon

REFERENCES

1. GSC Airborne Magnetic Survey, Map 7838G, Sheldon Lake, Sheet 105J - 1968.
2. Boyle, H. C. and Leitch, C. H. B, Geology of the Trout Lake Molybdenum Deposit, B.C. - CIMM, 84th Annual General Meeting, Quebec - 1982.
3. Department of Energy, Mines and Resources, Aerial Photography - Map 105J ('A'). Flight line A12371 frames 173 - 176 and 262 - 265, 1949.

APPENDIX I

List of Claims Covered by this Report

Claim Group AM 1

<u>Claim Names</u>	<u>Grant Numbers</u>	<u>Owner</u>
AM 23	YA 67049	SMD Mining Co. Ltd.
AM 24	YA 67050	SMD Mining Co. Ltd.
AM 25	YA 67051	SMD Mining Co. Ltd.
AM 26	YA 67052	SMD Mining Co. Ltd.
AM 28	YA 67054	SMD Mining Co. Ltd.
AM 41	YA 67067	SMD Mining Co. Ltd.
AM 42	YA 67068	SMD Mining Co. Ltd.
AM 43	YA 67069	SMD Mining Co. Ltd.
AM 44	YA 67070	SMD Mining Co. Ltd.
AM 45	YA 67071	SMD Mining Co. Ltd.
AM 46	YA 67072	SMD Mining Co. Ltd.
AM 75	YA 67358	SMD Mining Co. Ltd.
AM 77	YA 67360	SMD Mining Co. Ltd.

Claim Group AM 2

<u>Claim Names</u>	<u>Grant Numbers</u>	<u>Owner</u>
AM 74	YA 67357	SMD Mining Co. Ltd.
AM 76	YA 67359	SMD Mining Co. Ltd.
AM 78	YA 67361	SMD Mining Co. Ltd.
AM 79	YA 67362	SMD Mining Co. Ltd.
AM 80	YA 67363	SMD Mining Co. Ltd.
AM 81	YA 67364	SMD Mining Co. Ltd.
AM 82	YA 67365	SMD Mining Co. Ltd.
AM 83	YA 67366	SMD Mining Co. Ltd.
AM 84	YA 67367	SMD Mining Co. Ltd.
AM 85	YA 67368	SMD Mining Co. Ltd.

Claim Group AM 3

<u>Claim Names</u>	<u>Grant Numbers</u>	<u>Owner</u>
AM 27	YA 67053	SMD Mining Co. Ltd.
AM 29	YA 67055	SMD Mining Co. Ltd.
AM 30	YA 67056	SMD Mining Co. Ltd.
AM 32	YA 67058	SMD Mining Co. Ltd.
AM 47	YA 67073	SMD Mining Co. Ltd.
AM 48	YA 67074	SMD Mining Co. Ltd.
AM 49	YA 67075	SMD Mining Co. Ltd.
AM 50	YA 67076	SMD Mining Co. Ltd.
AM 51	YA 67077	SMD Mining Co. Ltd.
AM 52	YA 67078	SMD Mining Co. Ltd.
AM 53	YA 67079	SMD Mining Co. Ltd.
AM 54	YA 67080	SMD Mining Co. Ltd.
AM 55	YA 67081	SMD Mining Co. Ltd.
AM 56	YA 67082	SMD Mining Co. Ltd.

Claim Group AM 4

<u>Claim Names</u>	<u>Grant Numbers</u>	<u>Owner</u>
AM 86	YA 67369	SMD Mining Co. Ltd.
AM 87	YA 67370	SMD Mining Co. Ltd.
AM 88	YA 67371	SMD Mining Co. Ltd.
AM 89	YA 67372	SMD Mining Co. Ltd.
AM 90	YA 67373	SMD Mining Co. Ltd.
AM 91	YA 67374	SMD Mining Co. Ltd.
AM 92	YA 67375	SMD Mining Co. Ltd.
AM 93	YA 67376	SMD Mining Co. Ltd.

Claim Group AM 5

<u>Claim Names</u>	<u>Grant Numbers</u>	<u>Owner</u>
AM 31	YA 67057	SMD Mining Co. Ltd.
AM 33	YA 67059	SMD Mining Co. Ltd.
AM 34	YA 67060	SMD Mining Co. Ltd.
AM 35	YA 67061	SMD Mining Co. Ltd.
AM 36	YA 67062	SMD Mining Co. Ltd.
AM 37	YA 67063	SMD Mining Co. Ltd.
AM 38	YA 67064	SMD Mining Co. Ltd.
AM 39	YA 67065	SMD Mining Co. Ltd.
AM 40	YA 67066	SMD Mining Co. Ltd.
AM 57	YA 67083	SMD Mining Co. Ltd.
AM 58	YA 67084	SMD Mining Co. Ltd.
AM 68	YA 67094	SMD Mining Co. Ltd.
AM 70	YA 67096	SMD Mining Co. Ltd.
AM 72	YA 67098	SMD Mining Co. Ltd.

Claim Group AM 6

<u>Claim Names</u>	<u>Grant Numbers</u>	<u>Owner</u>
AM 59	YA 67085	SMD Mining Co. Ltd.
AM 60	YA 67086	SMD Mining Co. Ltd.
AM 61	YA 67087	SMD Mining Co. Ltd.
AM 62	YA 67088	SMD Mining Co. Ltd.
AM 63	YA 67089	SMD Mining Co. Ltd.
AM 64	YA 67090	SMD Mining Co. Ltd.
AM 65	YA 67091	SMD Mining Co. Ltd.
AM 66	YA 67092	SMD Mining Co. Ltd.
AM 67	YA 67093	SMD Mining Co. Ltd.
AM 69	YA 67095	SMD Mining Co. Ltd.
AM 71	YA 67097	SMD Mining Co. Ltd.
AM 73	YA 67099	SMD Mining Co. Ltd.

Claim Group AM 7

<u>Claim Names</u>	<u>Grant Numbers</u>	<u>Owner</u>
AM 94	YA 68687	SMD Mining Co. Ltd.
AM 95	YA 68688	SMD Mining Co. Ltd.
AM 96	YA 68689	SMD Mining Co. Ltd.
AM 97	YA 68690	SMD Mining Co. Ltd.
AM 98	YA 68691	SMD Mining Co. Ltd.
AM 99	YA 68692	SMD Mining Co. Ltd.

APPENDIX II

Personnel List - AM Project

<u>Name and Title</u>	<u>Activity</u>	<u>Number of Days Charged to Project</u>
T. Walker, District Geologist 122 - 3rd Ave. North Saskatoon, Sask.	Geological mapping and prospecting. Map preparation and report writing.	34 15
G. Drever, Geologist 122 - 3rd Ave. North Saskatoon, Sask.	Line cutting and soil sampling.	10
W. Rodenhizer, Geophysical Technician SMDC, La Ronge, Sask.	Magnetometer survey.	10
C. Durbin, Draftsman 122 - 3rd Ave. North Saskatoon, Sask.	Drafting.	8
L. Lindinger, Party Chief 330-1130 W. Pender St. Vancouver, B.C.	Geological mapping and prospecting	45
D. Bush, Senior Geological Assistant Carlton University Ottawa, Ont.	Line cutting and soil sampling.	15
C. Dodsworth, Junior Geological Assistant University of Sask. Regina, Sask.	Soil sampling and line cutting.	40
M. Baker, Junior Geological Assistant University of Regina	Soil sampling.	39
J. Berger, Junior Geological Assistant University of Sask. Regina, Sask.	Soil sampling.	21
B. Kramarchuck, Junior Geological Assistant University of Manitoba Brandon, Man.	Soil sampling and line cutting.	18
TOTAL MAN-DAYS		<hr/> 255 <hr/>

APPENDIX III

Statement of Qualifications

I, Terence Walker, of the City of Saskatoon in the Province of Saskatchewan, do hereby certify:

That I am a District Geologist employed by Saskatchewan Mining Development Corporation, with offices located at 122 - 3rd Avenue North, Saskatoon, Saskatchewan.

I further certify that:

1. I am a graduate of the University of London (UK) with the degree of Bachelor of Science (1968) and the University of McGill with the degree of M. Sc. (1978).
2. I have been practising my profession continuously for the past thirteen years.
3. I am a member of the Canadian Institute of Mining and Metallurgy and associate member of the Institute of Mining and Metallurgy (UK).
4. The information for this report was obtained from personal examinations of the property during the period June 6 to July 24, 1982 and from government publications.

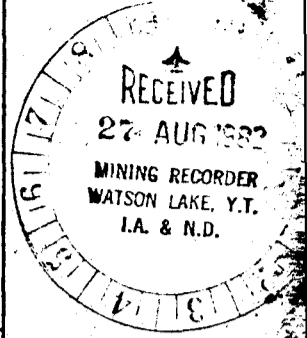
Dated at Saskatoon, Saskatchewan, day of August, 1982.



T. Walker, M. Sc.
District Geologist, Yukon



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
YUKON QUARTZ MINING ACT
FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK



(This form required in duplicate with sketch showing location of work.)

I (Name)	SMD Mining Co. Ltd.	Occupation	Mining
(Postal Address)	122 - 3rd Avenue North, Saskatoon, SASK. S7K 2H6		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:

- I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.
- I have done, or caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

YA68687	AM 94
YA68688	AM 95
YA68689	AM 96
YA68690	AM 97
YA68691	AM 98
YA68692	AM 99

situated at Ross River Claim Sheet No. 105-J-3,4
in the Watson Lake Mining District, to the value of at least \$2,850
dollars, since the 10th day of May 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3280 (Group AM 7)

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

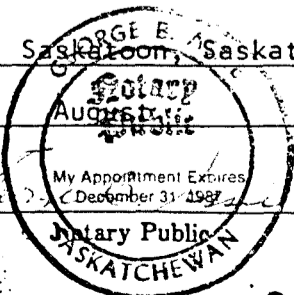
YA68687	AM 94	82/07/19 - 87/04/01	4.75 years
YA68688	AM 95	" "	"
YA68689	AM 96	" "	"
YA68690	AM 97	" "	"
YA68691	AM 98	" "	"
YA68692	AM 99	" "	"

- The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Please see accompany report entitled:

"Geological, Geochemical and Geophysical Assessment Report
on AM Group of Claims"
by T. Walker, August 1982

Sworn before me at Saskatoon, Saskatchewan
this 25th day of August 19 82

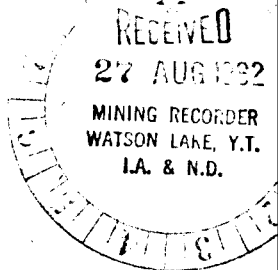


T. Walker
Applicant
for SMD Mining Co. Ltd.

091069



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
YUKON QUARTZ MINING ACT
FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK



(This form required in duplicate with sketch showing location of work.)

I (Name)	SMD Mining Co. Ltd.	Occupation	Mining
(Postal Address)	122 - 3rd Avenue North, Saskatoon, SASK. S7K 2H6		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:

- I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.
- I have done, or caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

YA66418	AM 10	YA67089	AM 63
YA66419	AM 11	YA67090	AM 64
YA66421	AM 13	YA67091	AM 65
YA66422	AM 14	YA67092	AM 66
YA67085	AM 59	YA67093	AM 67
YA67086	AM 60	YA67095	AM 69
YA67087	AM 61	YA67097	AM 71
YA67088	AM 62	YA67099	AM 73

situated at Ross River Claim Sheet No. 105-J-3,4

in the Watson Lake Mining District, to the value of at least \$5,700

dollars, since the 10th day of May 19 82

to represent the following mineral claims under the authority of Grouping Certificate No. 3252

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

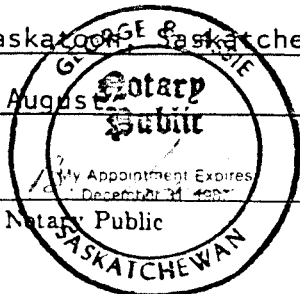
YA67085	AM 59	81/08/28 - 86/04/01	4.75 years
YA67086	AM 60	"	"
YA67087	AM 61	"	"
YA67088	AM 62	"	"
YA67089	AM 63	"	"
YA67090	AM 64	"	"
YA67091	AM 65	"	"
YA67092	AM 66	"	"
YA67093	AM 67	"	"
YA67095	AM 69	"	"
YA67097	AM 71	"	"
YA67099	AM 73	"	"

- The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Please see accompany report entitled:

"Geological, Geochemical and Geophysical Assessment Report
on AM Group of Claims"
by T. Walker, August 1982

Sworn before me at Saskatoon, Saskatchewan
this 25th day of August 19 82



T. Walker
Applicant
for SMD Mining Co. Ltd.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
YUKON QUARTZ MINING ACT
FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK



(This form required in duplicate with sketch showing location of work.)

I (Name)	SMD Mining Co. Ltd.	Occupation	Mining
(Postal Address)	122 - 3rd Avenue North, Saskatoon, SASK. S7K 2H6		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:

- I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.
- I have done, or caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

YA66417	AM 9	YA67064	AM 38
YA66420	AM 12	YA67065	AM 39
YA67057	AM 31	YA67066	AM 40
YA67059	AM 33	YA67083	AM 57
YA67060	AM 34	YA67084	AM 58
YA67061	AM 35	YA67094	AM 68
YA67062	AM 36	YA67096	AM 70
YA67063	AM 37	YA67098	AM 72

situated at Ross River Claim Sheet No. 105-J-3,4

in the Watson Lake Mining District, to the value of at least \$6,650

dollars, since the 10th day of May 19 82

to represent the following mineral claims under the authority of Grouping Certificate No. 3251

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

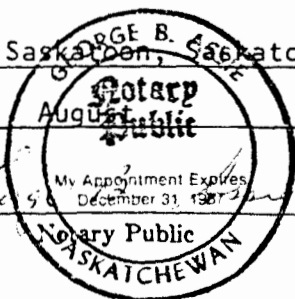
YA67057	AM 31	81/08/28 - 86/04/01	4.75 years
YA67059	AM 33	"	"
YA67060	AM 34	"	"
YA67061	AM 35	"	"
YA67062	AM 36	"	"
YA67063	AM 37	"	"
YA67064	AM 38	"	"
YA67065	AM 39	"	"
YA67066	AM 40	"	"
YA67083	AM 57	"	"
YA67084	AM 58	"	"
YA67094	AM 68	"	"
YA67096	AM 70	"	"
YA67098	AM 72	"	"

- The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Please see accompany report entitled:

"Geological, Geochemical and Geophysical Assessment Report
on AM Group of Claims"
by T. Walker, August 1982

Sworn before me at Saskatoon, Saskatchewan
this 25th day of August 19 82



T. Walker
Applicant
for SMD Mining Co. Ltd.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
YUKON QUARTZ MINING ACT
FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK



(This form required in duplicate with sketch showing location of work.)

I (Name)	SMD Mining Co. Ltd.	Occupation	Mining
(Postal Address)	122 - 3rd Avenue North, Saskatoon, SASK. S7K 2H6		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:

- I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.
- I have done, or caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

YA66414	AM 6	YA67369	AM 86
YA66415	AM 7	YA67370	AM 87
YA66423	AM 15	YA67371	AM 88
YA66424	AM 16	YA67372	AM 89
YA66425	AM 17	YA67373	AM 90
YA66426	AM 18	YA67374	AM 91
YA66427	AM 19	YA67375	am 92
		YA67376	AM 93

situated at Ross River Claim Sheet No. 105-J-3,4

in the Watson Lake Mining District, to the value of at least \$3,600

dollars, since the 10th day of May 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3250

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

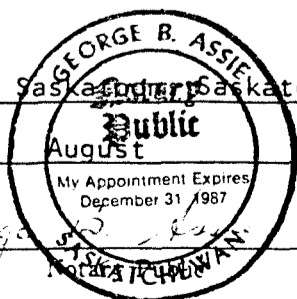
YA67369	AM 86	81/10/09 - 86/04/01	4.50 years
YA67370	AM 87	" "	" "
YA67371	AM 88	" "	" "
YA67372	AM 89	" "	" "
YA67373	AM 90	" "	" "
YA67374	AM 91	" "	" "
YA67375	AM 92	" "	" "
YA67376	AM 93	" "	" "

- The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Please see accompany report entitled:

"Geological, Geochemical and Geophysical Assessment Report
on AM Group of Claims"
by T. Walker, August 1982

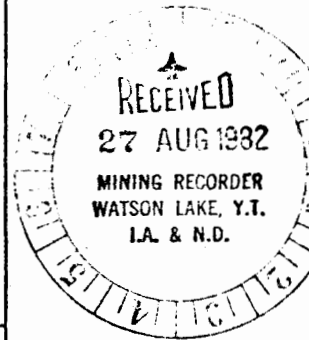
Sworn before me at Saskatoon, Saskatchewan
this 25th day of August 19 82



T. Walker
Applicant
for SMD Mining Co. Ltd.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
YUKON QUARTZ MINING ACT
FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK



(This form required in duplicate with sketch showing location of work.)

I (Name)	SMD Mining Co. Ltd.	Occupation	Mining
(Postal Address)	122 - 3rd Avenue North, Saskatoon, SASK. S7K 2H6		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:

- I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.
- I have done, or caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

YA66413	AM 5	YA67075	AM 49
YA66416	AM 8	YA67076	AM 50
YA67053	AM 27	YA67077	AM 51
YA67055	AM 29	YA67078	AM 52
YA67056	AM 30	YA67079	AM 53
YA67058	AM 32	YA67080	AM 54
YA67073	AM 47	YA67081	AM 55
YA67074	AM 48	YA67082	AM 56

situated at Ross River Claim Sheet No. 105-J-3,4

in the Watson Lake Mining District, to the value of at least \$6,650

dollars, since the 10th day of May 19 82

to represent the following mineral claims under the authority of Grouping Certificate No. 3249

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

YA67053	AM 27	81/08/28 - 86/04/01	4.75 years
YA67055	AM 29	" "	" "
YA67056	AM 30	" "	" "
YA67058	AM 32	" "	" "
YA67073	AM 47	" "	" "
YA67074	AM 48	" "	" "
YA67075	AM 49	" "	" "
YA67076	AM 50	" "	" "
YA67077	AM 51	" "	" "
YA67078	AM 52	" "	" "
YA67079	AM 53	" "	" "
YA67080	AM 54	" "	" "
YA67081	AM 55	" "	" "
YA67082	AM 56	" "	" "

- The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Please see accompany report entitled:

"Geological, Geochemical and Geophysical Assessment Report
on AM Group of Claims"
by T. Walker, August 1982

Sworn before me at Saskatoon, Saskatchewan

this 25th day of August 19 82



T. Walker

Applicant

for SMD Mining Co. Ltd.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
YUKON QUARTZ MINING ACT
FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK



(This form required in duplicate with sketch showing location of work.)

I (Name)	SMD Mining Co. Ltd.	Occupation	Mining
(Postal Address)	122 - 3rd Avenue North, Saskatoon, SASK. S7K 2H6		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:

- I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.
- I have done, or caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

YA66410	AM 2	YA67362	AM 79
YA66411	AM 3	YA 67363	AM 80
YA66428	AM 20	YA67364	AM 81
YA66429	AM 21	YA67365	AM 82
YA66430	AM 22	YA67366	AM 83
YA67357	AM 74	YA67367	AM 84
YA67359	AM 76	YA67368	AM 85
YA67361	AM 78		

situated at Ross River Claim Sheet No. 105-J-3,4

in the Watson Lake Mining District, to the value of at least \$4,500

dollars, since the 10th day of May 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3248

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

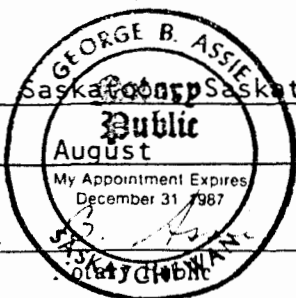
YA67357	AM 74	81/10/09 - 86/04/01	4.50 years	9 Oct 82
YA67359	AM 76	" "	"	"
YA67361	AM 78	" "	"	"
YA67362	AM 79	" "	"	"
YA67363	AM 80	" "	"	"
YA67364	AM 81	" "	"	"
YA67365	AM 82	" "	"	"
YA67366	AM 83	" "	"	"
YA67367	AM 84	" "	"	"
YA67368	AM 85	" "	"	"

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Please see accompany report entitled:

"Geological, Geochemical and Geophysical Assessment Report
on AM Group of Claims"
by T. Walker, August 1982

Sworn before me at Saskatoon Saskatchewan
this 25th day of August 19 82



T. Walker
Applicant
for SMD Mining Co. Ltd.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
YUKON QUARTZ MINING ACT
FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK



(This form required in duplicate with sketch showing location of work.)

I (Name)	SMD Mining Co. Ltd.	Occupation	Mining
(Postal Address)	122 - 3rd Avenue North, Saskatoon, SASK. S7K 2H6		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:

- I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.
- I have done, or caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

YA67049	AM 23	YA67069	AM 43
YA67050	AM 24	YA67070	AM 44
YA67051	AM 25	YA67071	AM 45
YA67052	AM 26	YA67072	AM 46
YA67054	AM 28	YA67358	AM 75
YA67067	AM 41	YA67360	AM 77
YA67068	AM 42		

situated at Ross River Claim Sheet No. 105-J-3,4

in the Watson Lake Mining District, to the value of at least \$6,125

dollars, since the 10th day of May 1982

to represent the following mineral claims under the authority of Grouping Certificate No. 3247

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

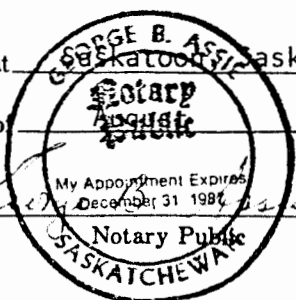
YA67049	AM 23	81/08/28 - 86/04/01	4.75 yrs	28 Aug 82
YA67050	AM 24	" "	" "	" "
YA67051	AM 25	" "	" "	" "
YA67052	AM 26	" "	" "	" "
YA67054	AM 28	" "	" "	" "
YA67067	AM 41	" "	" "	" "
YA67068	AM 42	" "	" "	" "
YA67069	AM 43	" "	" "	" "
YA67070	AM 44	" "	" "	" "
YA67071	AM 45	" "	" "	" "
YA67072	AM 46	" "	" "	" "
YA67358	AM 75	81/10/09 - 86/04/01	4.50 yrs	
YA67360	AM 77	" "	" "	" "

- The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Please see accompany report entitled:

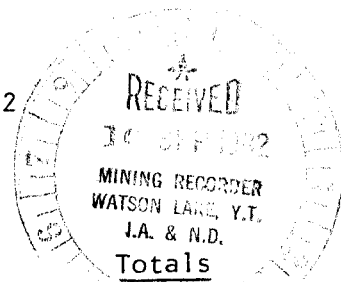
"Geological, Geochemical and Geophysical Assessment Report
on AM Group of Claims"
by T. Walker, August 1982

Sworn before me at Saskatoon, Saskatchewan
this 25th day of August 1982



T. Walker
Applicant
for SMD Mining Co. Ltd.

AM GROUP
STATEMENT OF EXPENDITURES. 10 May - 18 August 1982



<u>PERSONNEL</u> Salaries	<u>\$</u>	
T. Walker	6/June - 18/Aug/82	12,892
G. Drever	30/June - 16/July/82	2,301
W. Rodenhizer	14/June - 25/June/82	2,054
C. Durbin	16/Aug - 25/Aug/82	1,024
L. Lindinger	7/June - 24/June/82	4,758
D. Bush	30/June - 24/July/82	1,728
C. Dodsworth	6/June - 16/July/82	1,575
M. Baker	6/June - 16/July/82	2,442
J. Berger	15/June - 19/July/82	1,425
B. Kramarchuk	17/June - 16/July/82	1,425
		<u>31,624</u>
		31,624.00

Geochemical Analysis

1) 1,144 Soil Samples @ 4.50/sample	=	5,148.00	
2) 147 Rock Samples @ 10.25/sample	=	1,506.75	
3) Freight-Ross River to Vancouver	=	578.25	
		<u>7,233.00</u>	7,233.00

Geophysical Equipment

1) Magnetometer Rental, Exploranium Corp. Can.			
2 units @ \$46/day (+ insurance) x 22 days			
	=	<u>2,278.50</u>	2,278.50

Line Cutting (contracted to Ketzta Enterprises, Ross River)

34.0 km at \$330.00/km		<u>11,220.00</u>	11,220.00
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Helicopter Support (Terrair Rotary and TNTA)

76.5 hrs @ \$500/hr + Fuel and Oil	=	<u>46,224.00</u>	46,224.00
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091069

Camp Costs

Accommodation and Meals, Welcome Inn, Ross River
255 mandays @ \$45.36/manday = \$ 11,566.80 \$ 11,566.80

Transport and Travel

1) Mobilisation and demobilisation of
crews to Ross River = 7,433.85
2) Truck Rental 36 days @ \$43.33/day +
gas and oil = 1,953.00
9,386.85 9,386.85

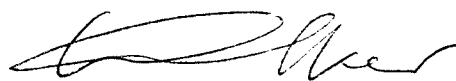
Freight, Postage and Miscellaneous

Geological, geophysical and geochem.
sampling equipment
Vancouver and Saskatoon to Ross River
and return = 439.07 439.07

Total Field Costs 119,972.22

Administration @ 10% 11,997.22

Total Assessment Costs 131,969.44




T. Walker
District Geologist

SMD MINING CO. LTD.
 AM PROJECT - YUKON
 COST STATEMENT - 1982 GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL SURVEYS

Group Name	AM 1	AM 2	AM 3	AM 4	AM 5	AM 6	AM 7	TOTALS
Group Number	YA66409+	YA66410+	YA66413+	YA66414+	YA66417+	YA66418+	YA68687+	
Code	600001	600002	600003	600004	600005	600006	600007	
SMDC SALARIES	5183.08	5111.19	4815.49	4447.90	5008.49	4987.95	2069.90	31624.00
HELICOPTER SUPPORT	6781.12	8449.90	7133.32	7776.26	7075.04	6346.12	2662.24	46224.00
ANALYSIS	1157.28	1157.28	1084.95	1012.62	1157.28	1157.28	506.31	7233.00
LINE CUTTING (CONTRACTOR)	2692.80	2187.90	1739.10	2524.50	1065.90	1009.80	-	11220.00
GEOPHYSICAL INST. RENTAL	501.27	421.52	421.52	341.78	307.60	284.81	-	2278.50
CAMP	1850.89	1850.89	1735.20	1619.52	1850.89	1850.89	809.76	11568.04
TRAVEL & TRANSPORTATION	1501.90	1501.90	1408.02	1314.15	1501.90	1501.90	657.08	9386.85
MISCELLANEOUS	<u>70.05</u>	<u>70.05</u>	<u>65.67</u>	<u>61.30</u>	<u>70.05</u>	<u>70.05</u>	<u>30.66</u>	<u>437.83</u>
TOTAL FIELD COSTS	19738.39	20750.63	18403.27	19098.03	18037.15	17208.80	6735.95	119972.22
ADMINISTRATION @ 10%	<u>1973.84</u>	<u>2075.06</u>	<u>1840.33</u>	<u>1909.80</u>	<u>1803.71</u>	<u>1720.88</u>	<u>673.59</u>	<u>11997.22</u>
TOTAL ASSESSMENT COSTS	21712.23	22825.69	20243.60	21007.83	19840.86	18929.68	7409.54	131969.44
APPLIED TO AM 23-99	6125.00	4500.00	6650.00	3600.00	6650.00	5700.00	2850.00	36075.00

CERTIFIED CORRECT:

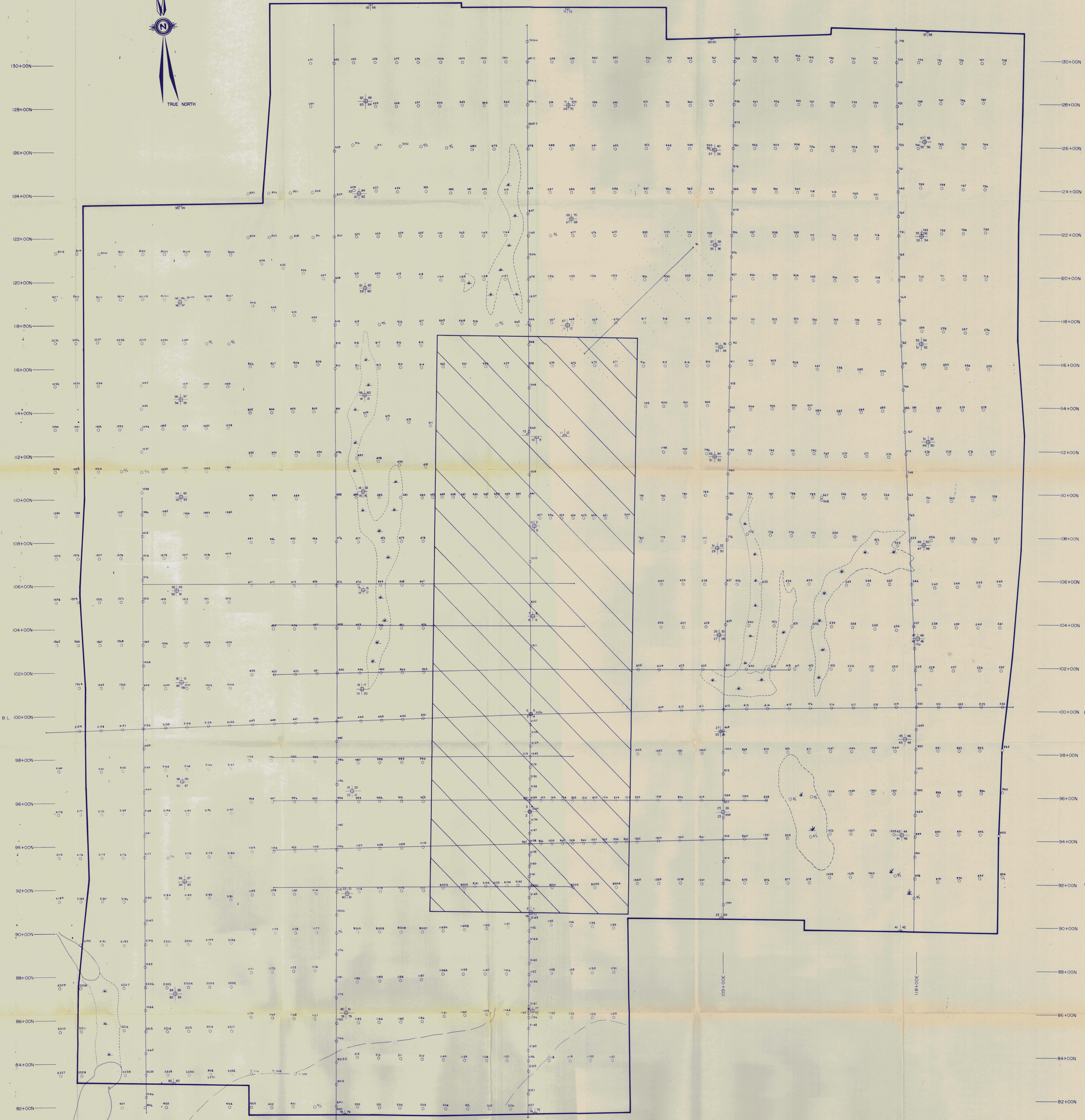

 B.R. Del Frari
 Director of Accounting

600190

GRID NORTH

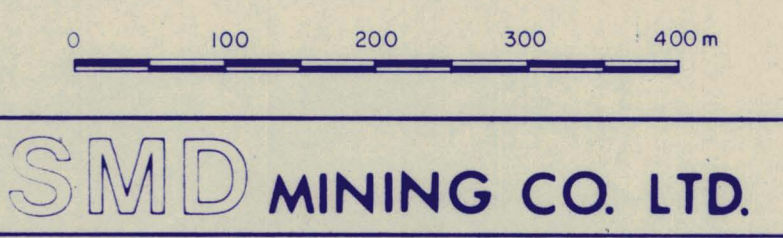


TRUE NORTH



LEGEND

- 25' X 25' CLAIM NUMBER (lot numbers prefixed by AMCR)
- CLAIM POST
- SOIL SAMPLE
- NO SAMPLE
- ▨ AREA COVERED BY P&I SAMPLING PROGRAM
- CUT LINES



SMD MINING CO. LTD.

Survey Grid and Sample Locations

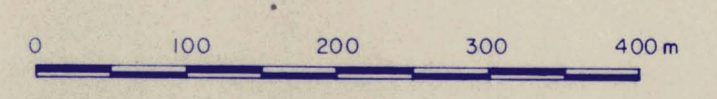
091069

PROJECT	AM
DTS	105/2/4
WORK BY	T. WALKER
DRAWN	C.D. DURBIN
DISPOSITION	CLAIMS AM 1-99
SCALE	1:5000
DATE	AUG. 82
M&P	3

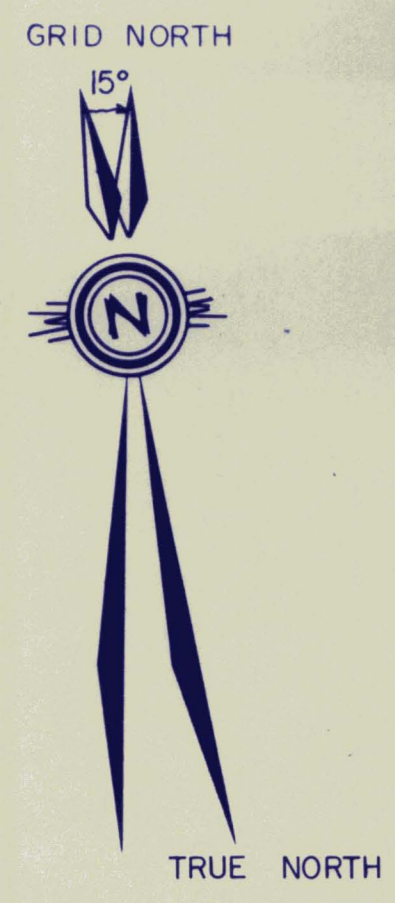


LEGEND

- (with number) SOIL SAMPLE
- (with 'N/A') NO ANALYSIS
- (with 'N/S') NO SAMPLE
- (with number) (THRESHOLD)
- (with 'CL') CLAIM

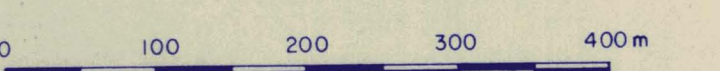


SMD MINING CO. LTD.	
Cu.(ppm) SOIL GEOCHEMISTRY	
091069	
PROJECT AM	DISPOSITION CLAIMS AM 1-99
NTS 105/1/4	SCALE 1:5000
WORK BY T. WALKER	DATE AUG. 82
DRAWN C.D. DURBIN	MAP 4



LEGEND

- 25 (CLAM NUMBER)
25 (CLAM POST)
- SOIL SAMPLE
- N/A NO ANALYSIS
- N/S NO SAMPLE
- (THRESHOLD)
Mo (ppm) contour

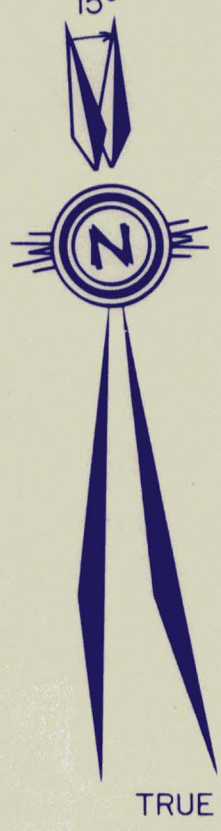


SMD MINING CO. LTD.

Mo (ppm) SOIL GEOCHEMISTRY
091069

PROJECT AM	DEPOSITION CLAIMS AM 1-99
NTS 105/2/4	SCALE 1:5000
WORK BY T. WALKER	DATE AUG 82
DRAWN C.D. BURBIN	MAP 5

GRID NORTH

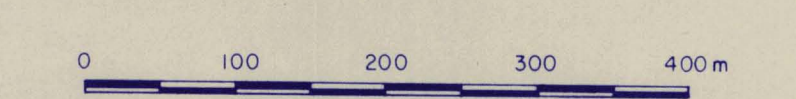


TRUE NORTH



LEGEND

- 25 (CLAMP NUMBER)
- 26 (CLAMP POST)
- 27 (CLAMP POST)
- SOIL SAMPLE
- N/A NO ANALYSIS
- N/S NO SAMPLE
- (THRESHOLD)
- Pb (ppm) OVER



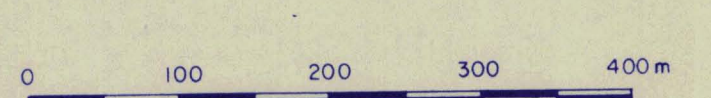
SMD MINING CO. LTD.

Pb (ppm) SOIL GEOCHEMISTRY

PROJECT AM	DISPOSITION CLAIMS AM 1-99
NTS 105/1/14	SCALE 1:5000
WORK BY T. WALKER	DATE AUG. 82
DRAWN C.D. DURBIN	MAP 6



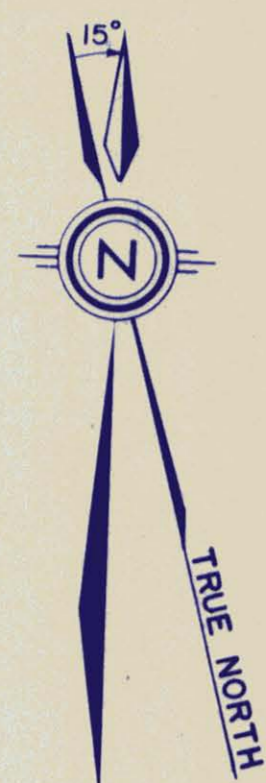
LEGEND
25/26 (CLAM NUMBER)
23/24 (CLAM FOOT)
O SOIL SAMPLE
N/A NO ANALYSIS
N/S NO SAMPLE
--- (THRESHOLD)
Ag (ppm) (value)



SMD MINING CO. LTD.
091069
Ag (ppm) SOIL GEOCHEMISTRY

PROJECT AM	DISPOSITION CLAIMS AM 1-99
NTS 105/2/4	SCALE 1:5000
WORK BY T. WALKER	DATE AUG. 82
DRAWN C.D. DUBIN	MAP 8

GRID NORTH



130+00N
128+00N
126+00N
124+00N
122+00N
120+00N
118+00N
116+00N
114+00N
112+00N
110+00N
108+00N
106+00N
104+00N
102+00N
100+00N B.L.
98+00N
96+00N
94+00N
92+00N
90+00N
88+00N
86+00N
84+00N
82+00N

130+00N
128+00N
126+00N
124+00N
122+00N
120+00N
118+00N
116+00N
114+00N
112+00N
110+00N
108+00N
106+00N
104+00N
102+00N
100+00N B.L.
98+00N
96+00N
94+00N
92+00N
90+00N
88+00N
86+00N
84+00N
82+00N

82+00E

91+00E

100+00E B.L.

109+00E

118+00E

Legend

Intrusive Rocks

- A Fine-med grained equigranular to porphyritic qtz, hb, biot granodiorite to qtz diorite.
 - B Fine grained ophanitic to microcratic apfite to porph. qtz rhyolite dyke rocks.
- Sedimentary Rocks**
- 1 Dark gray to black shale, siltstone, black ls and micaceous and qtz rich siliceous arenites.
 - 2 Pale gray to gray green mm to cm banded argillite with interbed gray to white ls and fine saccadic dolomite + calc. arenite and siltstone.
 - 3 Dark gray to white very siliceous mm to cm banded argillite, arenite and quartzite. ? = hornfelsed and schistified ss of 1.
 - 4 Gray brown to purple argillite to arenite + quartzite. ? = biotite hornfelsed ss of 1.
 - 5 Fine grained dark green to pale green and white banded siliceous diopside skarn.

Symbols

- Primary bedding
- Foliation
- Faults
- Geological contacts
- Airphoto and topographic linears
 - major
 - minor
- Marsh
- Outcrop
- Subcrop
- Area of thin (0-3m) drift, and residual soils. - remainder 3-25m+ drift cover.

0 100 200 300 400 m

25 L 26 (CLAM NUMBER)
27 CLAM POST
28

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091069
GEOLOGY MAP

PROJECT AM	DISPOSITION CLAIMS AM 1-99
NTS 108/2/4	SCALE 1:5000
WORK BY T. WILDER	DATE AUG. 82
DRAWN C.D. DUBIN	MAP 9

GRID NORTH



130+00N
128+00N
126+00N
124+00N
122+00N
120+00N
118+00N
116+00N
114+00N
112+00N
110+00N
108+00N
106+00N
104+00N
102+00N
100+00N B.L.
98+00N
96+00N
94+00N
92+00N
90+00N
88+00N
86+00N
84+00N
82+00N

130+00N
128+00N
126+00N
124+00N
122+00N
120+00N
118+00N
116+00N
114+00N
112+00N
110+00N
108+00N
106+00N
104+00N
102+00N
100+00N B.L.
98+00N
96+00N
94+00N
92+00N
90+00N
88+00N
86+00N
84+00N
82+00N

82+00E

91+00E

100+00E B.L.

109+00E

118+00E

Legend

25 1/2 (CLAIM NUMBER)
23 1/2 (CLAIM POST)

Sample Location (Symbol)
Sample No. (Symbol)
Quartz Sampled (Symbol)

1/2" = no analysis returned
Note: See Map 9 for 0/0 rock type

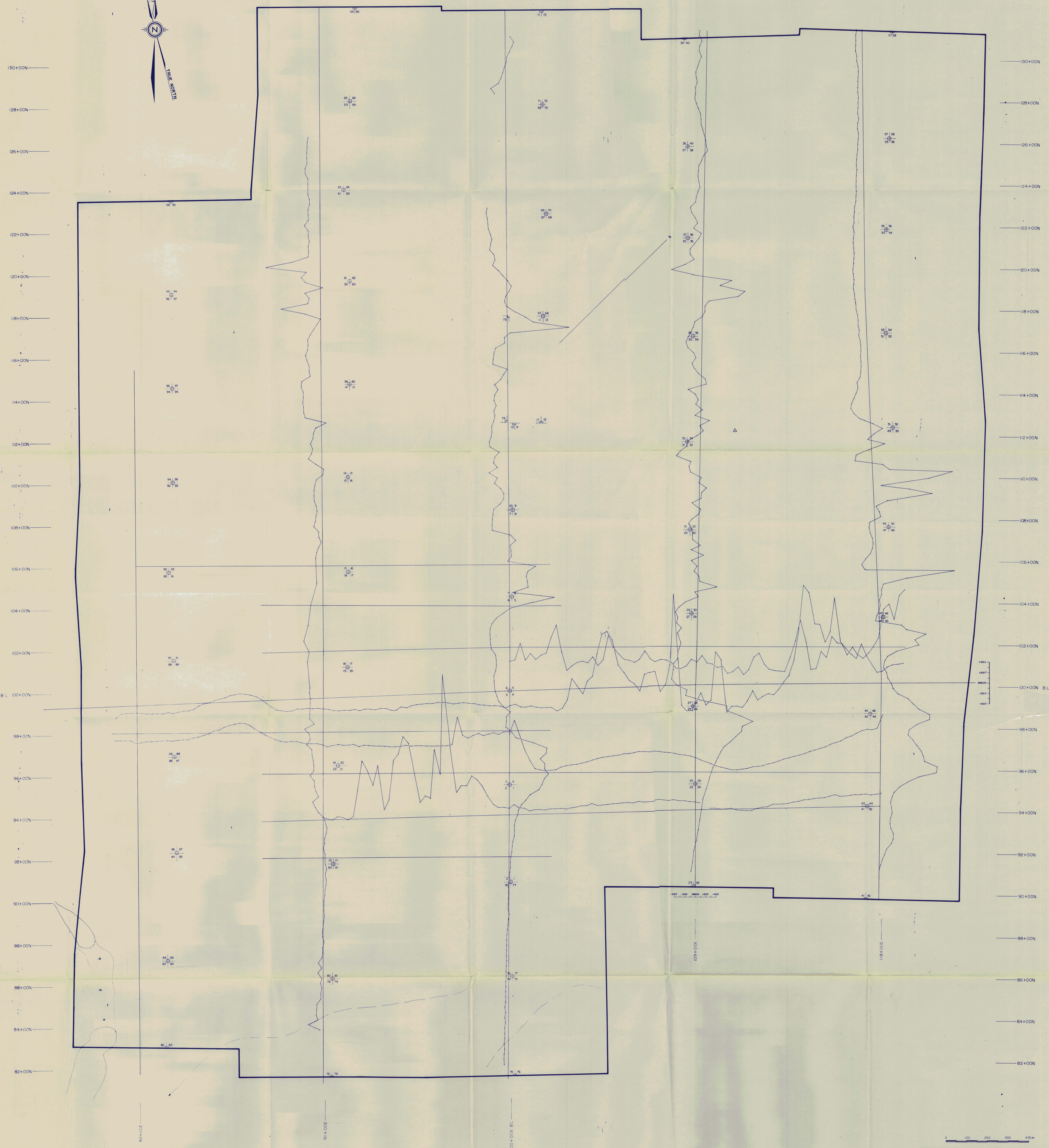
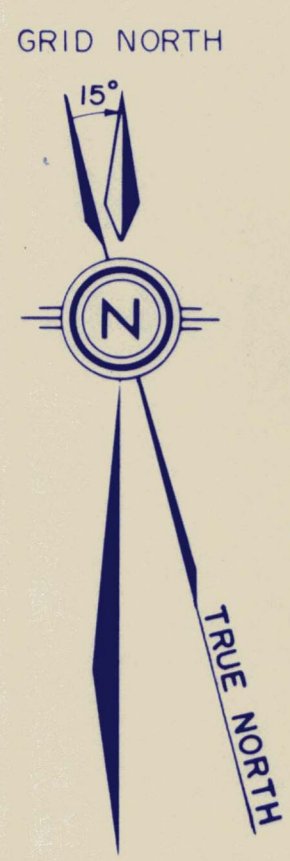
0 100 200 300 400m

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**ROCK SAMPLE ANALYSIS
LOCATION MAP**

PROJECT AM	DISPOSITION CLAIMS AM 1-99
NTS 125/1/4	SCALE 1:5000
WORK BY T. WALKER	DATE AUG. 82
DRAWN C.D. DURBIN	MAP ID

001069



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GROUND MAGNETOMETER SURVEY PROFILES

091009

PROJECT AM	DISPOSITION CLAIMS	AM 1-99
WTS 105/2/4		
DRAWN BY T. WALKER	SCALE 1:5000	
DRAWN C.D. DURBIN	DATE AUG. 82	MAP 11