

81-1186-9765

ASSESSMENT REPORT

ON THE
SOIL GEOCHEMISTRY PROGRAMME

ON THE WDS, SGC

RUBY AND JADE CLAIMS
MILLIE MACK PROPERTY

SLOCAN MINING DIVISION, B.C.

N.T.S. 82K/4

LATITUDE: $50^{\circ} 05'N$; LONGITUDE: $117^{\circ} 50'W$

FOR

OWNERS/OPERATORS: DAVID MINERALS LTD.

BY

M.G. MOONEY, P. ENG.

DECEMBER 1981

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AMERICAN RESOURCES BRANCH
ASSESSMENT REPORT
9965
No. _____

part 2
of 3

mlg

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Introduction

1. Location and Access

The Millie Mack Property is situated on Blue Grouse Mountain approximately 16 kilometers East of Burton, B.C. (Fig. 1) - a town located on Highway 6, 38 kilometers South of Nakusp, B.C.

A gravel road along the North side of Caribou Creek, 24 kilometers long leads to the property. This road traverses nearly all the claim group from West to East. The last six kilometers of road switch back steeply up the South slope of Blue Grouse Mountain to the main workings lying at approximately 2100 meters.

2. Property Definition

The Millie Mack Property comprises nine Crown Granted mineral claims and fractions plus 8 staked mineral claims totalling 139 units, encompassing approximately 3425 hectares. (Fig. 2)

<u>Claim Name</u>	<u>Number Units</u>	<u>Record No.</u>
Heidi 1	20	2324 (11)
Heidi 2	10	2325 (11)
Heidi 3	20	2326 (11)
Heidi 4	20	2327 (11)
WDS	20	1186 (5)
SGC	15	1187 (5)
Jade	16	2363 (1)
Ruby	18	2364 (1)

These claims are located in the Slocan Mining Division and are recorded at Kaslo, B.C.

N.T.S. reference maps for the above mineral claims are 82K/4E (M) and 82K/4W (M).

Introduction

2. Property Definition: Continued

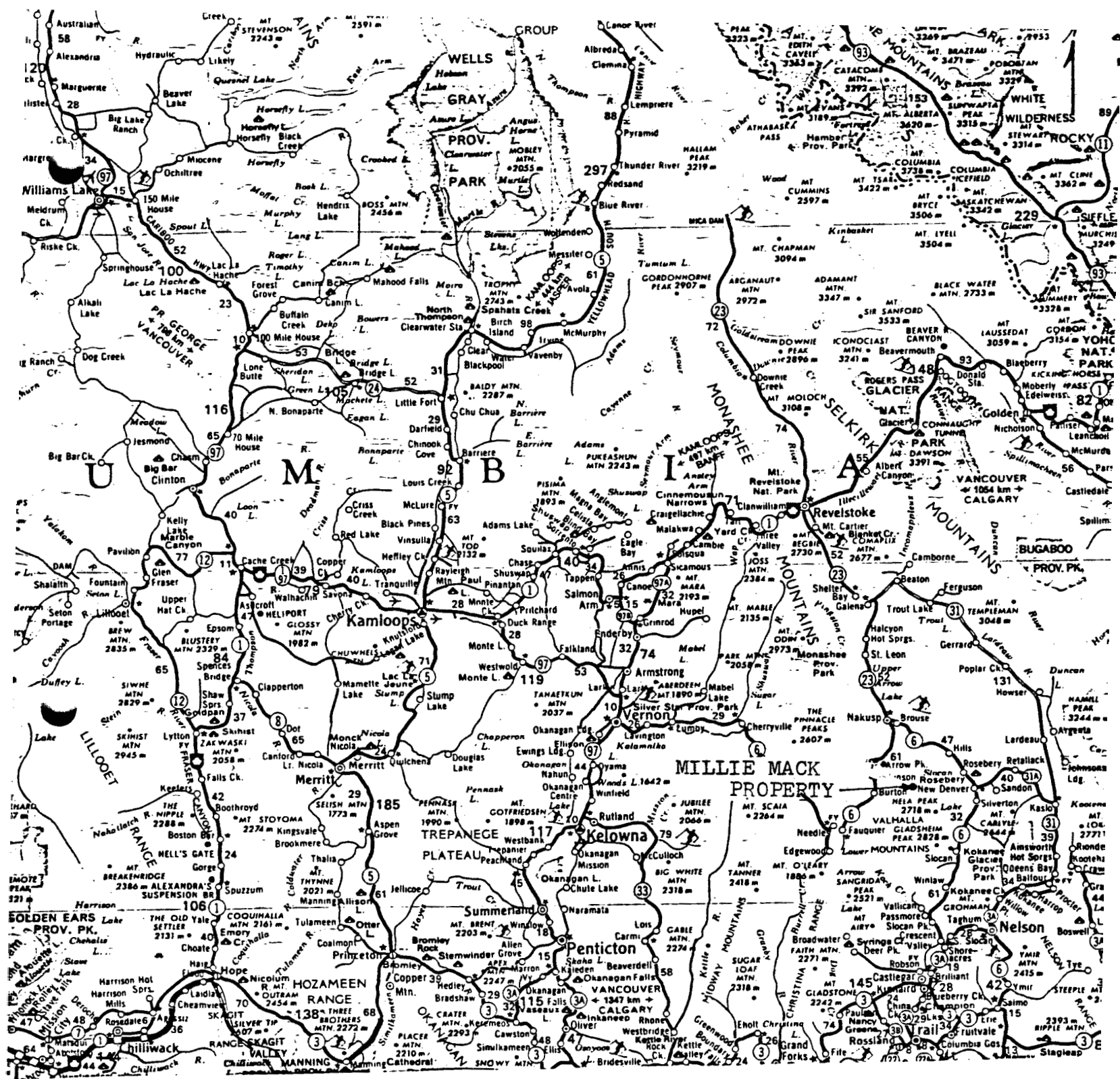
Crown Granted Mineral Claims

<u>Claim Name</u>	<u>District Lot Numbers</u>
Triumph Crown Grant	4194
Wolf Crown Grant	1830
Inpregnable Crown Grant	4195
Rainbow Crown Grant	4193
Gold Ring Crown Grant	1828
Millie Mack Crown Grant	1831
Black Bear Fr. Crown Grant	14850
H.E.F. Crown Grant	14849
Great Western Crown Grant	2200

Crown Granted Mineral Claims are registered in the Nelson, B.C. Land Registry.

For assessment purposes, these claims have been grouped as follows:

<u>Claim Name</u>	<u>District Lot Numbers</u>
<u>Millie Mack North</u>	
Millie Mack Crown Grant	1831
Triumph Crown Grant	4194
Black Bear Fr. Crown Grant	14850
Heidi 1	2324 (11)
Heidi 2	2325 (11)
SGC	1187 (5)
Ruby	2364 (1)
<u>Millie Mack South</u>	
Gold Ring Crown Grant	1828
Great Western Crown Grant	2210
Wolf Crown Grant	1830
Rainbow Crown Grant	4193
H.E.F. Crown Grant	14849
Heidi 3	2326 (11)
Heidi 4	2327 (11)
WDS	1186 (5)
Jade	2363 (1)



DAVID MINERALS LTD.

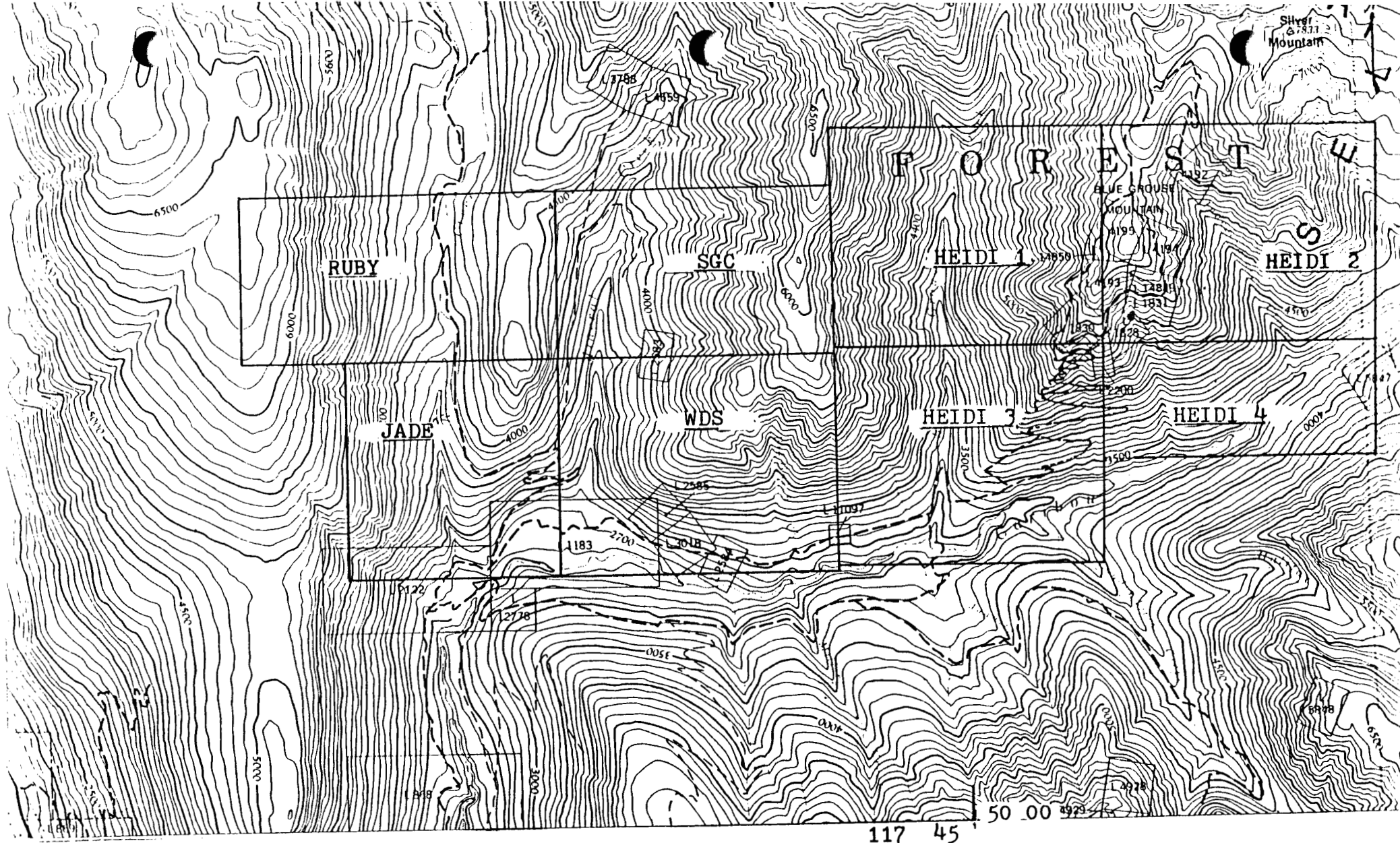
MILLIE MACK PROPERTY

INDEX MAP

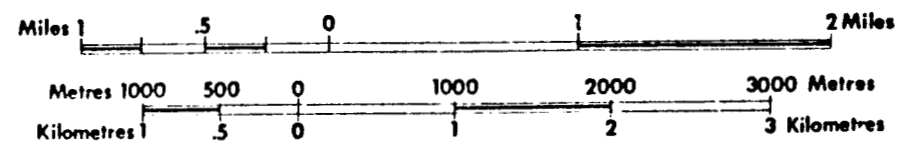


DECEMBER 1981

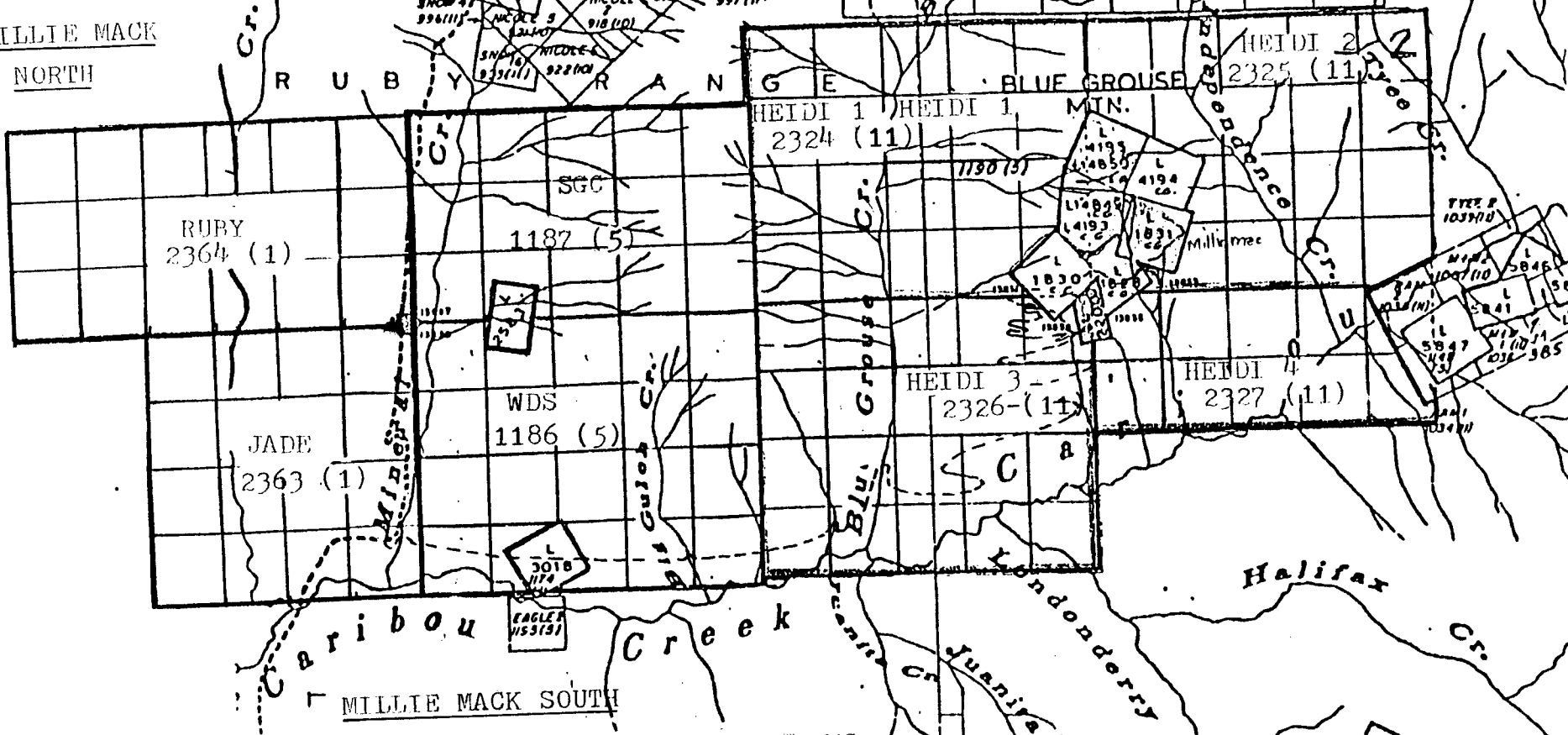
M. G. Mooney,
P. Eng.



DAVID MINERALS LTD.
 LOCATION MAP
 MILLIE MACK PROPERTY
 N.T.S. 82K/4



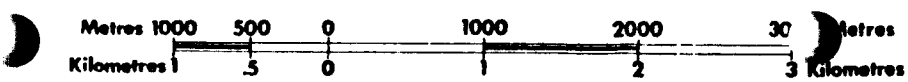
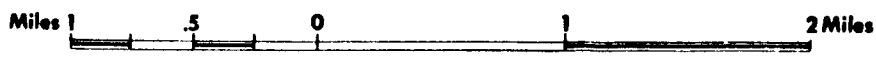
MILLIE MACK
NORTH



MILLIE MACK SOUTH



Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources



DAVID MINERALS LTD.
MILLIE MACK PROPERTY
CLAIM MAP

DEC. 1981 M. G. MOON P. ENG.

History

Mineral exploration was initiated in the Millie Mack Crown Grant area about 1895, leading to the early location of the above mentioned nine Crown Grants. A brief review of the early history shows:

1. Acquisition by Kamloops Gold Mining and Development Co. with some shipments starting in 1899.
2. Property was purchased by H. Forster who carried out intermittent development over the next 30 years. Approximately 800 meters of drifting and raising was carried out. According to Mr. Forster's report 450 tons were produced grading as follows:

Au 1.02 oz./t.; Ag 100 oz./t.; Pb 8%/t.; Zn 7%/t.

In 1960, there is a recorded production of 13.9 tons grading:

Au 0.44 oz./t.; Ag 9.8 oz./t.; 3.7% combined PbZn/t.

In 1967, Richwood Silver acquired the property and carried an exploration program covering geological mapping, bulldozer trenching, channel sampling of trenches, and dump samples. Richwood Silver shipped 24.4 tons grading:

Au 0.22 oz./t.; Ag 9.0 oz./t.; 3.3 combined PbZn/t.

Geophysical and geochemical surveys were carried over the Crown Grants and a portion of the RWS and WDS claims in 1971 and 1972.

In 1979, Messrs. Craik and Smith of Kelowna, B.C. operated a trommel - jig, and produced approximately 80 tons grading:

Au 0.22 oz./t.; Ag 8.4 oz./t.; Pb 1.24%/t.; Zn 0.86%/t.;
SiO₂ 61%/t.

During 1980, Semper Resources Inc. carried out a program consisting of gridding and soil sampling the Millie Mack Crown Grant area. 54 Rotary drill and 5 Diamond drill holes were put down for structure and sample purposes. A bulk sample was shipped to Trail, B.C. The access road was upgraded.

History: Continued

During 1981, reconnaissance soil sampling was carried out over the western portion of the claim group. Stripping on the Billie P, Great Western, Millie Mack, and the Black Bear for additional bulk sampling purposes was carried out. Over seven hundred tons of bulk samples were taken, of this five hundred tons of bulk samples were shipped to David Minerals Ltd. for testing and concentrating. Two hundred tons are stored at Blue Grouse Creek. Additional road reconstruction was carried out. The Ruby and Jade claims totalling 36 units were acquired by staking on the western boundary of the property.

Geology

The top of Blue Grouse Mountain is composed of an isolated pendant of pelites and argillite of the lower Slovan Group. Faulted and sheared sequences of graphitic argillite and schist at the base of this pendant, overlie a footwall of andesite/dacite have been mapped as part of the Rossland Group Volcanics and are considered to be lower Jurassic and Triassic Age. Mineralization occurs in the graphitic argillite/schist. Repeated movements have reduced the original quartz veins carrying galena and sphalerite to material varying from microscopic grains to boulders several tons in size. Boulders and footwall show slicken sides and rounding from the repeated movements. Distribution of the mineralization throughout the graphitic schist varying three to ten meters in thickness is erratic and presents a difficult sampling problem.

Sufficient exploration work and sampling have not been performed in order to arrive at a grade and tonnage.

Geochemical Survey

Newcastle Explorations Ltd, of 475 Howe St., Vancouver, B.C. under contract to David Minerals Ltd., conducted a geochemical sampling program over a portion of the WDS, SGC, Ruby, and Jade claims. Three men were supplied and samples were collected at a fixed rate per kilometer. Okanagan Helicopters supplied transportation to the more inaccessible areas. Existing roads gave access to the balance of the grid area.

A total of 299/ soil samples were collected from the "B" horizon. These were assayed by Acme Analytical Labs, of Vancouver, B.C. for silver, lead, and zinc. A total of 4/6 samples were re-run later for gold.

The total number of line kilometers was 144.5. Base and grid lines were established using topo-fil and compass. Sample locations were clearly tagged at 30 meter intervals. A line separation of 150 meters was used. Samples were collected from the "B" horizon using a mattock and placed in regulation soil sample bags. Samples were dried and screened to 80 mesh for assay purposes.

All samples were analyzed for silver, lead and zinc. Pulps from the anomalous areas re-run for gold. A full description of the assay techniques used is supplied by Acme Analytical Labs and can be referred to in the appendix.

Grid and samples locations are shown on Map No. 7. For clarity, anomalous values only are plotted. A full schedule of sample results are attached to the appendix.

Geology

West of Blue Grouse Creek, the rock types in the claim area are comprised of: 1) Kaslo Group (9) - amphibole, meta-volcanics. 2) Group (10 b) - argillite, shale to siltstone, tuff. 3) Group (19 a) - quartz-diorite, monzonite and granodiorite. 4) Caribou Creek intrusives (20) * monzonite, granodiorite, quartz diorite and granite.*

Weakly mineralized graphitic argillites sheared mainly along intrusive contacts occasionally show a similar mineral suite to that occurring on the Millie Mack and the Black Bear Crown Grants.

*. Reference #8 - Hyndman

Geochemical Survey

Geology: Continued

Early exploration in the late 1890's led to a staking rush around Mineral Creek. Some placer gold was produced. Minor exploration work was done on quartz veins carrying galena, zinc, pyrrhotite, chalcopyrite containing values in gold and silver. These veins occurred mainly in the Kaslo Group amphibole - meta volcanic rocks. A few tons of high grade material were shipped.

Soil sample grid area ranges from a drift-filled bottom along Caribou Creek on the south and extends northward through alpine slopes to snow covered rocky peaks. Principal drainages, Rodd Creek, Mineral Creek and Big Gulch Creek have eroded steep vee-shaped valleys on the north and broaden near their junction with Caribou Creek. Soil conditions vary with elevation and exposure. On the south slopes and valley bottoms, well developed A,B,C, horizons are found. Soils on the high alpine are less developed with their horizons much thinner.

Weak anomalies of lead, zinc and silver trending west to northwest generally reflect the northwesterly trending contacts and faults.

Interpretation and Evaluation

Paucity of outcrop throughout the grid area accompanied by extensive forest and vegetation coupled with the fact that no follow up work on the anomalous area makes any specific interpretation at this point difficult. Pyrrhotite and graphite are common to most of the mineralized zones. Magnetometer and E.M. should define the more mineralized zones within the broad geochemical anomalies. No economic assessment is offered at this time.

Geochemical Survey

Cost Statement :

Newcastle Explorations Ltd.
Grid and soil samples
Charge number 1457 \$7062.50
Charge number 1391 6000.00
Charge number 1441 5000.00
Total \$18,062.50

Helicopter support
Okanagan Helicopters
Charge number 1449 \$756.93
Charge number 1492 1537.09
Total \$2294.02

Acme Analytical Labs
Charge number 1442 \$3326.20
Charge number 1478 9447.95
Total \$12774.15

Supervision
Field supervision June-July-August
10 days @\$125.00 per day \$1250.00
Truck @ \$30.00 per day 300.00
Room and Board \$40.00 per day x 10 days 400.00
Camp Supplies 110.51
Total \$2060.51
Charge number 1515

Total cost of Geochemical Survey \$35,191.18

Geochemical Analysis of Mo, Cu, Pb, Zn, Ag*, Ni, Co,
Mn, Bi*, V, Fe, Cd*, & Sb*

Sample preparation

Soil samples are dried at 75°C and sieved to -80 mesh.

Rock samples are ground to -100 mesh.

Digestion

A .50 gram sample is digested with dilute aqua regia in boiling water bath and diluted to 10 mls with demineralized water.

Determination

All the above elements are determined by Atomic Absorption from the solution.

* With background correction.

Geochemical Analysis of Au

Digestion and extraction

A 10 gram sample which has been ignited over night at 600°C is digested hot with dilute aqua regia, and the clear solution is extracted with Methyl Isobuthyl Ketone.

Determination

Au is determined by AA from the MIBK extractant with background correction.

Geochemical Analysis of Ba

A .100 gram sample is digested hot with NaOH and EDTA solution. The solution is analysis for Ba by AA.

Geochemical Uranium Analysis

Digestion

A .50 gram sample is digested hot with nitric and perchloric acid and diluted to 10 mls.

Fusion

An aliquot is solvent extracted with salting agent and aliquot of is fused with NaF, K₂CO₃, & Na₂CO₃ flux in platinum dish.

Determination

The fluorescence of the pellet is read in the Turner fluorometer.

C E R T I F I C A T E

I, Malcolm, G. Mooney, with business and residential address at Box 2027, Station "R", Kelowna, B.C., do hereby certify that:

1. I am a graduate of the University of British Columbia (B.A. Geology, 1956).
2. I am a registered Professional Engineer of the Province of British Columbia. Reg. No. 8148
3. I have practiced my profession continuously since graduation.

December 10, 1981

Respectfully submitted,

M.G. Mooney

M. G. Mooney, P. Eng.

Kelowna, B.C.



Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources
 MINERAL RESOURCES BRANCH-TITLES DIVISION

MINERAL ACT

FORM 1

NOTICE TO GROUP

Mining Division SLOCAN Location 20 km ENE of Burton, B.C.

Name of group MILLIE MACK NORTH Map No. 82K/4 E & W

We, the undersigned owners* of the following adjoining claims, desire to group them according to the provisions of the *Mineral Act*:-

NAME OF CLAIM	No. of Units	Record No. or Lot No.	Month of Record	SIGNATURE OF OWNER*	Free Miner Certificate No.
RUBY	18	2364	1	Semper Resources Inc. <i>P. W. Richardson</i>	208115
HEIDI 1	20	2324	11	Wayne D. Smith <i>P. W. Richardson</i>	208893 agent 193463
HEIDI 2	20	2325	11	Wayne D. Smith <i>P. W. Richardson</i>	208893 agent 193463
S. G. C.	15	1187	5	Stanley G. Craik R. Paul Beckmann <i>[Signature]</i>	208893 agent (deceased) Solicitor to estate
(Crown Grants)		Lot No.			
TRIUMPH		4194	-		
IMPREGNABLE		4195	-		
MILLIE MACK		1831	-		

* May be signed by agent on behalf of owner.



Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources
MINERAL RESOURCES BRANCH-TITLES DIVISION

MINERAL ACT

FORM 1

NOTICE TO GROUP

Mining Division SLOCAN Location 20 km ENE of Burton, B.C.

Name of group MILLIE MACK SOUTH Map No. 82 K/4 E & W

We, the undersigned owners* of the following adjoining claims, desire to group them according to the provisions of the *Mineral Act*:-

NAME OF CLAIM	No. of Units	Record No. or Lot No.	Month of Record	SIGNATURE OF OWNER*	Free Miner Certificate No.
JADE	16	Record No. 2363	1	Semper Resources Inc. <i>P. W. Richardson</i>	208115 208893 agent
JUANITA FRACTION	1	2192	9	Semper Resources Inc. <i>P. W. Richardson</i>	208115 208893 agent
HEIDI 3	20	2326	11	Wayne D. Smith <i>P. W. Richardson</i>	193463 208893 agent
HEIDI 4	10	2327	11	Wayne D. Smith <i>P. W. Richardson</i>	193463 208893 agent
W D S	20	1186	5	Stanley G. Craik R. Paul Beckmann <i>P. W. Richardson</i>	(deceased) Solicitor to Estate
(Crown Grants)		Lot No.			
RAINBOW QUARTZ		4193	-		
GOLD RING		1828	-		
WOLF		1830	-		
HEP FRACTION		14849	-		
BLACK BEAR FRACTION		14850	-		
GREAT WESTERN		2200	-		

* May be signed by agent on behalf of owner.

APPENDIX

REFERENCES

1. Dawson, K. M. (1968) Mineralogical Study of Ore from Millie Mack Prospect.
2. E. L. C. Geophysics Ltd. Report EM-M-71-124, 1971, 72-211 Geophysics, Geochemistry Millie Mack, Black Bear claims RMW and RSM claim groups.
3. Forman, H. D. (28 Sept. 1967) Report on the Millie Mack claim Group for Richwood Silver Mines Ltd. (N.P.L.)
4. Forman, H. D. (15 Jan. 1969) Evaluation of the 1968 Season's Exploration Work at the Millie Mack Claim Group, Burton, B.C.
5. Forster, H. E. (18 April, 1937; 1938) Reports on Mille Mack Group.
6. Fowler, S. S. (11-15 Oct. 1911) Report of an examination of Millie Mack Mine, Burton, B. C. for the owner.
7. Furneaux, B. T. (12 Dec. 1966) Report on Millie Mack Claims for Rayrich Mine Services Ltd.
8. Hyndman, D. W. (1961, 1962) Geological Survey of Canada Map 1234A, Geology, Nakusp, Kootenay District, B. C.
9. Mackenzie, Angus G., Mining Consultants Ltd. (July 1969) Detailed Geologic Study of the Structure & Genetics, Richwood Silver Mines Ltd. (N.P.L.) Grouse Mountain Property.
10. Mitchell, J. A. (10 Nov. 1966) Preliminary Report of the Millie Mack Group of Claims, Slocan Mining District, B. C. for Coin Exploration Ltd., Osoyoos, B. C.
11. Mitchel, J. A. (Dec. 1968) Report on Millie Mack Option, Richwood Silver Mines Ltd. (N.P.L.)
12. Read, P. B. (1967) Geology Survey of Canada, Open File 432, Map. Geology Lardeau West-Half.
13. Scott, Walter (22 Sept. 1966) Mining Recorder. Summary of Minister of Mines Reports 31 Dec. 1904 to March 1966 including 1923 Report of A. G. Langley.
14. Wilmont, A. D. (Oct. 1978) Sample Report on the Millie Mack Property.
15. Santos, P. J. (June, 1980) Report on the Property Investigation of the Millie Mack Property. Slocan M.D., B.C. Cominco Engineering Report. Report No.: CCO.000.R.)29

ACME ANALYTICAL LABORATORIES LTD.

PHONE: 253-3158

~~6455 LAUREL STREET, BURNABY, B.C. V5E 3G7~~

~~PHONE: 299-5242~~

852 East Hastings St., Vancouver, B.C. V6A 1H6

June 25, 1981
File # 81-0568

Semper Resources,
1012 - 475 Howe Street,
Vancouver, B.C.

Millie Mac

TERMS:
NET TWO WEEKS INTEREST AT
1 1/2% PER MONTH CHARGED ON
OVERDUE ACCOUNTS.

NUMBER	ASSAY	PRICE	AMOUNT
1053	Geochem Pb, Zn and Ag assays @	\$2.75	\$2895.75
1048	Soil sample preparations @	0.40	419.20
5	Rock sample preparations @	2.25	11.25
			\$3326.20
<p><i>Approved</i> <i>P. Richardson</i> <i>June 26 1981</i></p>			
SHIPPING CHARGES:			

ACME ANALYTICAL LABORATORIES LTD.

PHONE: 253-3158

~~6499 LAUREL STREET, BURNABY, B.C. V5B 3M7~~

~~PHONE: 299-5242~~

852 East Hastings St., Vancouver, B.C. V6A 1R6

July 24, 1981
File # 81-0801

Senper Resources,
1012 - 475 Howe Street,
Vancouver, B.C.

TERMS:
NET TWO WEEKS INTEREST AT
1 1/2% PER MONTH CHARGED ON
OVERDUE ACCOUNTS.

NUMBER	ASSAY	PRICE	AMOUNT
973	Geochem Pb, Zn and Ag assays @	\$2.75	\$2675.75
932	Soil sample preparations @	0.40	372.80
41	Rock sample preparations @	2.25	92.25
			<hr/>
			\$3140.80
	SHIPPING CHARGES:		

ACME ANALYTICAL LABORATORIES LTD.

PHONE: 253-3158

~~6455 LAUREL STREET, BURNABY, B.C. V5B 3J4~~

~~PHONE: 299-5242~~

852 East Hastings St., Vancouver, B.C. V6A 1R8

July 22, 1981
File # 81-0787

Semper Resources,
1012 - 475 Howe Street,
Vancouver, B.C.

TERMS:
NET TWO WEEKS INTEREST AT
1 1/2% PER MONTH CHARGED ON
OVERDUE ACCOUNTS.

NUMBER	ASSAY	PRICE	AMOUNT
965	Geochem Pb, Zn and Ag assays @	\$2.75	\$2653.75
881	Soil sample preparations @	0.40	352.40
84	Rock sample preparations @	2.25	189.00
1	Sample for pulverzing @	1.00	1.00
			<hr/>
			\$3196.15
	SHIPPING CHARGES:		

ACME ANALYTICAL LABORATORIES LTD.

PHONE: 253-3158

~~6455 LAUREL STREET, BURNABY B.C. V5B 4B4~~

~~PHONE: 299-5242~~

852 East Hastings St., Vancouver, B.C. V6A 1R6

Oct. 22, 1981
File # 81-1619

Semper Resources,
1012 - 475 Howe St.,
Vancouver, B.C.

TERMS:
NET TWO WEEKS INTEREST AT
1 1/2% PER MONTH CHARGED ON
OVERDUE ACCOUNTS.

NUMBER	ASSAY	PRICE	AMOUNT
	Millie Mack Project		
416	Geochem Au assays @	\$3.25	\$1352.00
	4 hrs for finding and sorting the samples @	14.00	56.00
			<u>\$1408.00</u>
	SHIPPING CHARGES:		



Province of British Columbia
 Ministry of Energy, Mines and Petroleum Resources
 MINERAL RESOURCES BRANCH-TITLES DIVISION

1020 - 475 Howe St. Van., I
 F M C No. 208115

Wayne D. Smith
 1123 Mountain Ave. Kelowna
 F M C No. 193463

Stanley G. Craik (deceased)
 C/O R. Paul Beckmann, Solicitor
 999 W. Hastings, Van., BC

MINERAL ACT

STATEMENT OF EXPLORATION AND DEVELOPMENT

I, PAUL W. RICHARDSON Agent for
 (Name) (Name)
1016 - 475 Howe Street
 (Address) (Address)
Vancouver, B.C. V6C 2B3
 Valid subsisting F.M.C. No. 208893 Valid subsisting F.M.C. No.

STATE THAT

1. I have done, or caused to be done, work on the MILLIE MACK NORTH GROUP (RUBY, HEIDI 1, HEIDI 2, SGC, TRIUMPH CROWN GRANT, IMPREGNABLE CROWN GRANT, MILLIE MACK CROWN GRANT) Claim(s)
 Record No.(s) 2364(1) 2324(11) 2325(11) 1187(5)
 Situate at Blue Grouse Mountain in the Slocan Mining Division,
 to the value of at least \$62,763 dollars. Work was done from the 12th day
 of November 19 80, to the 30th day of September 19 81

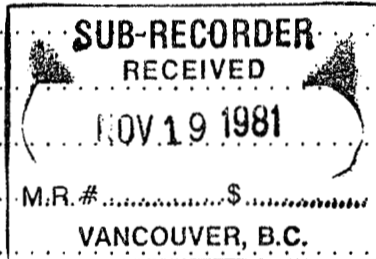
2. The following work was done in the 12 months in which such work is required to be done:

(COMPLETE APPROPRIATE SECTION(S) A, B, C, D, FOLLOWING)

A. PHYSICAL (Trenches, open cuts, adits, pits, shafts, reclamation, and construction of roads and trails)

(Give details as required by section 13 of regulations.)

	COST
Road construction and maintenance	\$ 19,377
Transportation - Trucking about 500 tons of samples to Plant	18,220
Wages	2,250
TOTAL PHYSICAL	\$39,847



I wish to apply \$ 39,847 of physical work to the claims listed below. Note: see over for additional credit.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record no.)

3 years - 05 - SGC Record No. 1187 7500
3 years - 01 - RUBY Record No. 2364 5400
5 years - 11 - HEIDI 1 Record No. 2324 5000
5 years - 11 - HEIDI 2 Record No. 2325 20,000

B. PROSPECTING (Details in report submitted as per section 9 of regulations.)
 (The itemized cost statement must be part of the report.)

COST

I wish to apply \$ of this prospecting work to the claims listed below.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record no.)

C. DRILLING

(Details in report submitted as per section 8 of regulations.)
(The itemized cost statement must be part of the report.)

COST	

D. GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL

(Details in report submitted as per section 5, 6, or 7 of regulations.)
(The itemized cost statement must be part of the report.)
(State type of work in space below.)

Assaying	\$ 6,528
Soil Sampling	8,128
Metallurgical Testing	4,390
Milling	495
Wages	3,375
TOTAL OF C AND D	\$22,916

SEMPER RESOURCES INC. (now DAVID MINERALS LTD.)

Who was the operator (provided the financing)?

Name
Address .. 1016 - 475 Howe Street
.....
Vancouver, B.C. V6C 2B3

Portable Assessment Credits (PAC) Withdrawal Request

Amount to be withdrawn from owner(s) account(s):

Name of Owner

(May be no more than 30 per cent of value of the approved work submitted as assessment work in C and (or) D.)

AMOUNT
1.
2.
3.
4.

TOTAL WITHDRAWAL

TOTAL OF C AND (OR) D PLUS PAC WITHDRAWAL

I wish to apply \$ 13,053. of this work to the claims listed below.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record no.)

See previous page.

Value of work to be credited to portable assessment credit (PAC) account(s).

(May only be credited from the approved value of C and (or) D not applied to claims.)

Name	AMOUNT
In owner(s) name.	
1.	
2.	
3.	
operator(s) name (party providing the financing).	
1. .. DAVID MINERALS LTD.	\$ 9,863
2.	
3.	

P. H. Richardson

(Signature of Applicant)

2300150
5-1-80
30-1-80



Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources
MINERAL RESOURCES BRANCH-TITLES DIVISION

Semper Resources Inc.
1020 - 475 Howe St. Van., B.C.
F M C No. 208115

Wayne D. Smith
1123 Mountain Ave. Kelowna
F M C No. 193463

Stanley G. Craik (deceased)
C/O R. Paul Beckmann, Solicitor
999 W. Hastings, Van., BC

MINERAL ACT

STATEMENT OF EXPLORATION AND DEVELOPMENT

I, PAUL W. RICHARDSON Agent for
(Name) (Name)
1016 - 475 Howe Street
(Address) (Address)
Vancouver, B.C. V6C 2B3
(Address) (Address)
Valid subsisting F.M.C. No. 208893 Valid subsisting F.M.C. No. _____

STATE THAT

1. I have done, or caused to be done, work on the MILLIE MACK SOUTH GROUP (WDS, Juanita Fraction, HEIDI 3, HEIDI 4, JADE, RAINBOW QUARTZ C.G., GOLD RING C.G., WOLF C.G., HEP FRACTION C.G., BLACK BEAR FRACTION C.G., GREAT WESTERN C.G.) Claim(s)
Record No.(s) 1186(5) 2192(9) 2326(11) 2327(11) 2363(1)
Situate at Blue Grouse Mountain in the Slocan Mining Division,
to the value of at least \$76,713 dollars. Work was done from the 12th day
of November 19 80 to the 30th day of September 19 81

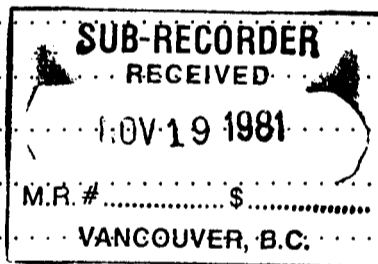
2. The following work was done in the 12 months in which such work is required to be done:

(COMPLETE APPROPRIATE SECTION(S) A, B, C, D, FOLLOWING)

A. PHYSICAL (Trenches, open cuts, adits, pits, shafts, reclamation, and construction of roads and trails)

(Give details as required by section 13 of regulations.)

	COST
Road construction and maintenance	23,683
Transportation - Trucking about 500 tons of samples to Plant.	22,269
Wages	2,750
TOTAL PHYSICAL	\$48,702



I wish to apply \$ 46,000 of physical work to the claims listed below. Note: see over for additional credit.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record no.)

3 years - 01 - JADE Record No. 2363
3 years - 05 - WDS Record No. 1186
5 years - 11 - HEIDI 3 Record No. 2326
5 years - 11 - HEIDI 4 Record No. 2327
6 years - 09 - Juanita Fraction Record No. 2192

B. PROSPECTING (Details in report submitted as per section 9 of regulations.)
(The itemized cost statement must be part of the report.)

COST

I wish to apply \$ _____ of this prospecting work to the claims listed below.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record no.)

C. DRILLING (Details in report submitted as per section 8 of regulations.)
(The itemized cost statement must be part of the report.)

D. GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL
(Details in report submitted as per section 5, 6, or 7 of regulations.)
(The itemized cost statement must be part of the report.)
(State type of work in space below.)

	COST
Assaying	\$ 7,980
Soil Sampling	9,935
Metallurgical Testing	5,367
Milling	604
Wages	4,125
TOTAL OF C AND D	\$28,011

Who was the operator (provided the financing)?
 Name .. SEMPER RESOURCES INC. (now DAVID MINERALS LTD.)
 Address .. 1016 - 475 Howe Street
 Vancouver, B.C. V6C 2B3

Portable Assessment Credits (PAC) Withdrawal Request		AMOUNT
Amount to be withdrawn from owner(s) account(s):		
Name of Owner		
(May be no more than 30 per cent of value of the approved work submitted as assessment work in C and (or) D.)	1.	
	2.	
	3.	
	4.	
TOTAL WITHDRAWAL		
TOTAL OF C AND (OR) D PLUS PAC WITHDRAWAL		

I wish to apply \$ of this work to the claims listed below.
 (State number of years to be applied to each claim, its month of record, and identify each claim by name and record no.)

Value of work to be credited to portable assessment credit (PAC) account(s).
 (May only be credited from the approved value of C and (or) D not applied to claims.)

Name	AMOUNT
In owner(s) name.	
1.	
2.	
3.	
operator(s) name party providing the financing.	
1. DAVID MINERALS LTD.	\$28,011
2.	
3.	

P. H. Richardson
 (Signature of Applicant)

BRITISH COLUMBIA MINING RECEIPT

Mining Division Alberca

Issued at Vancouver No 172066E

Date Nov 19 1987

RECEIVED from David Minerals, Ltd.

the sum of twenty six hundred & fifty - xx Dollars,

in payment of Recording Notice to Group

plus work \$52,900⁰⁰ to apply

3 yrs to SGC, RUBY

5 yrs to HEIDI 1, 2

2650⁰⁰

Signature G. Phillips

SUB-RECORDER

Office _____

\$ 7.989	COST	

BRITISH COLUMBIA MINING RECEIPT

Mining Division Alcan

Issued at Vancouver

No 172065 E

Date Nov 19, 1981

RECEIVED from David Minerals Ltd.

the sum of twenty-three hundred & five - ⁰⁰/₁₀₀ Dollars,

in payment of receiving notice to group

plus work \$146,000⁰⁰ to apply

3 yrs work to JADE, WDS,

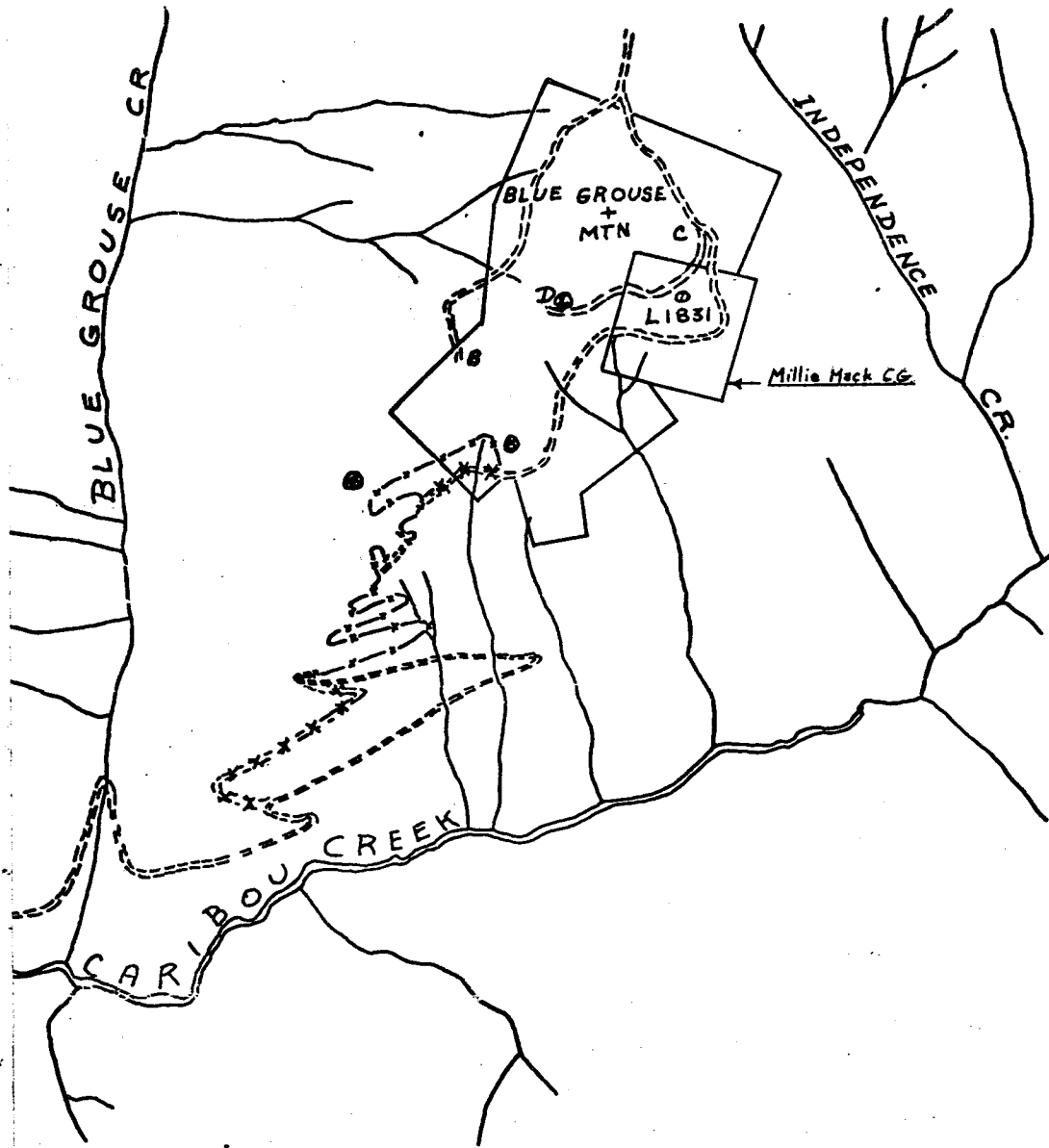
5 yrs work to HEIDI 3, 4

6 yrs work to JUANITA FR.

Signature G. Schuchman

\$ 2305⁰⁰

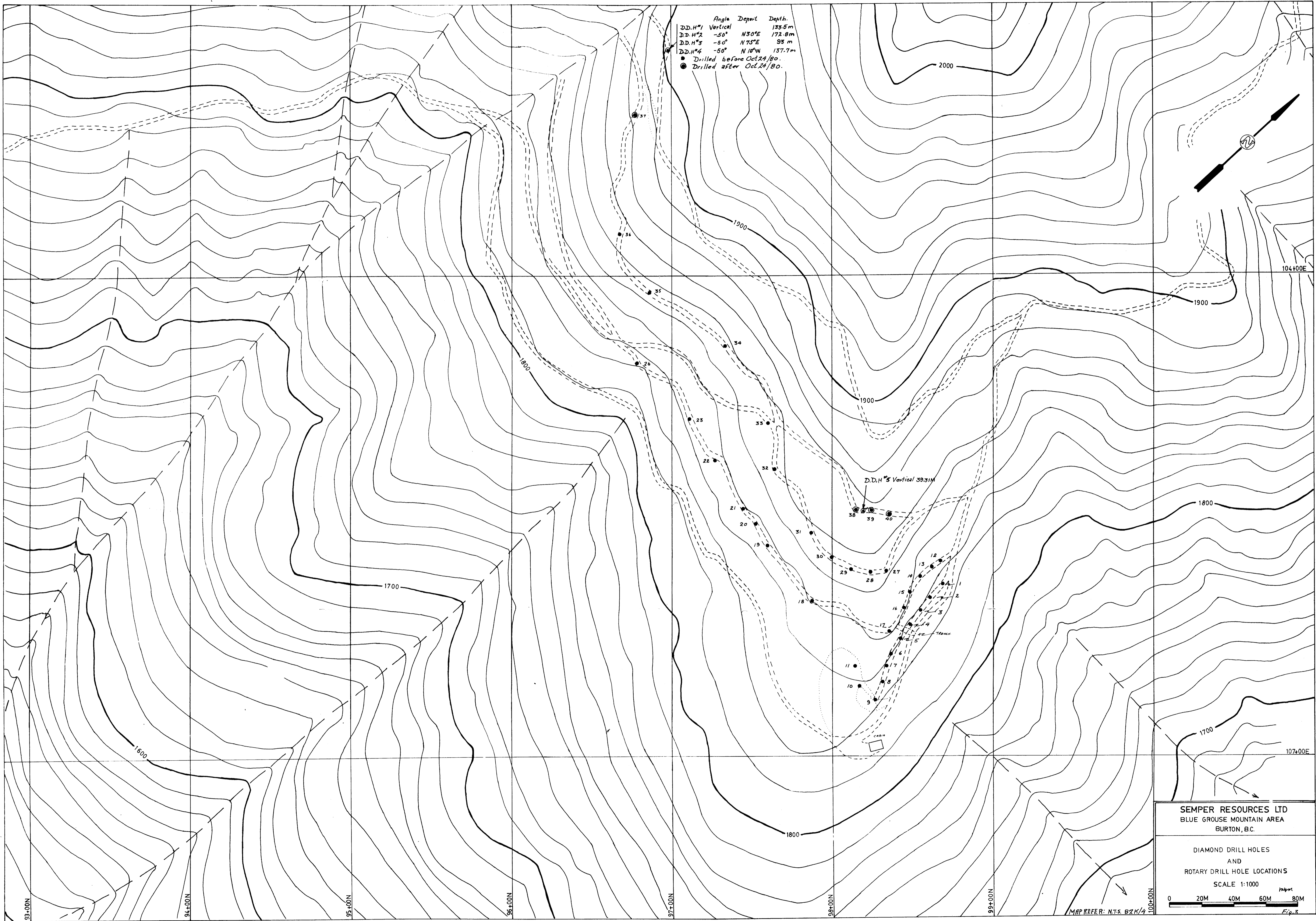
Office **SUB-RECORDED**



Sites ①, ②, ③ & ④ are locations of Oct.-Nov, 1980 Rotary & diamond drilling. See Fig.

SEMPER RESOURCES INC.
 PLAN OF PHYSICAL ROAD WORK
 ON THE
 MILLIE MACK CLAIM GROUP
 BURTON, B.C.
 JANUARY, 1981 M. MOONEY, P. ENG.

2000 METRES



D.D.H.#	Vertical	Angle	Depth
D.D.H.#2	Vertical	-50° N30°E	133.5 m
D.D.H.#3	Vertical	-50° N75°E	172.8 m
D.D.H.#4	Vertical	-50° N10°W	137.7 m

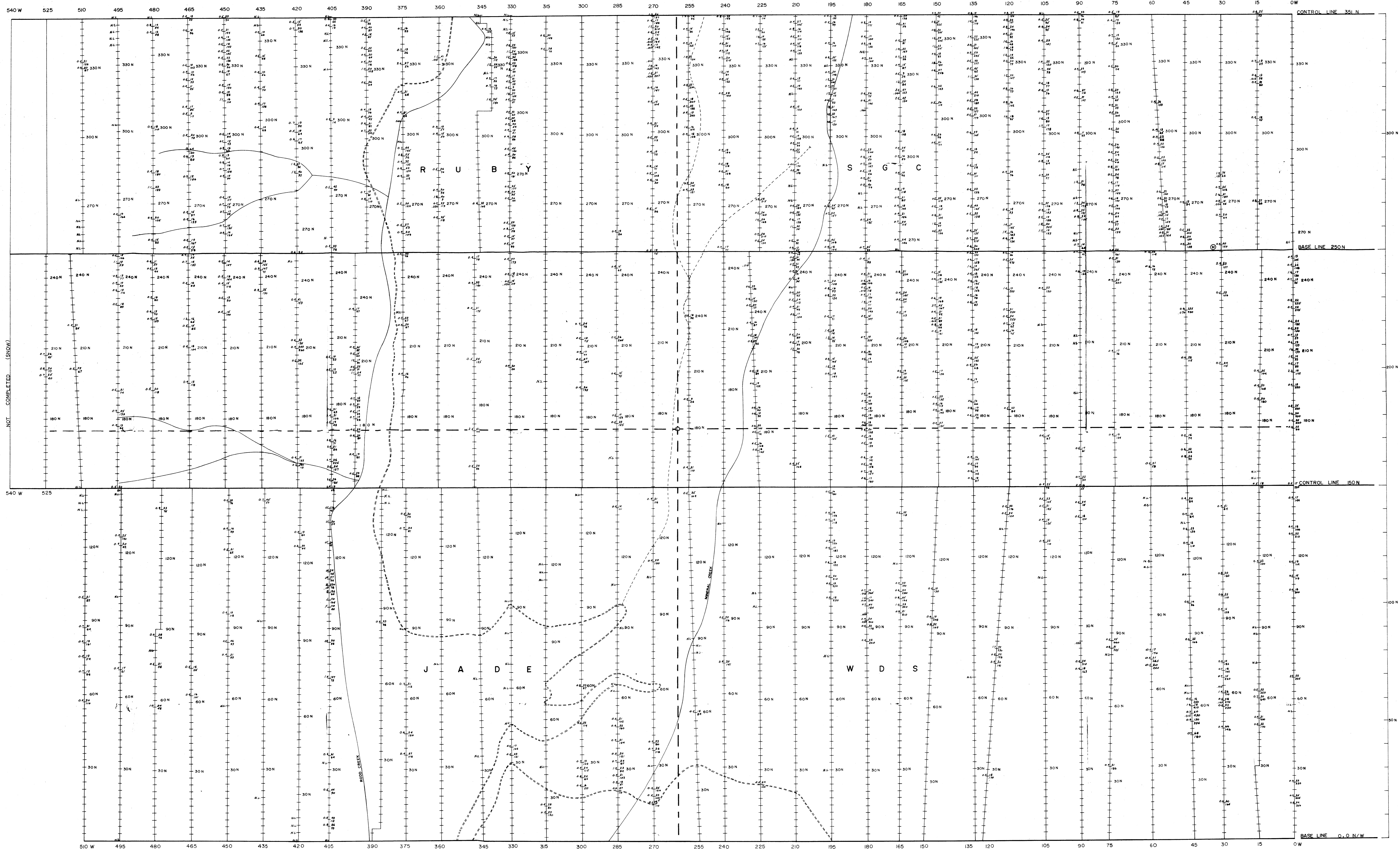
● Drilled before Oct 24/80.
 ● Drilled after Oct 24/80.

SEMPER RESOURCES LTD
 BLUE GROUSE MOUNTAIN AREA
 BURTON, B.C.

DIAMOND DRILL HOLES
 AND
 ROTARY DRILL HOLE LOCATIONS
 SCALE 1:1000

0 20M 40M 60M 80M

MAP REFER: N.T.S. BZK/4
 Fig. 3

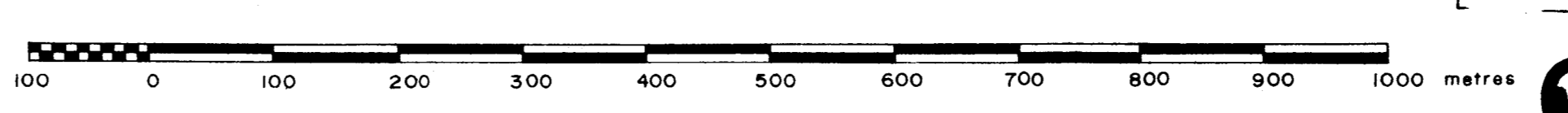


NOT COMPLETED (SNOW)

- ⊙ HELICOPTER PAD
- COMMON L.C.P. - WDS, SGC, RUBY, JADE
- ==== MAIN ROAD
- ABANDONED LOGGING ROAD
- ~~~ STREAM

Ag Pb 0.6 58
 Au Zn .05 245
 VALUES IN P.P.M.
 --- VALUES BELOW BACKGROUND - NOT PLOTTED
 N/A. NO SAMPLE

SCALE - 1:5,000 METRIC



MINERAL PROCESSING DIVISION
 9965
 part 2 of 3

SOIL GEOCHEMISTRY MAP - WDS, SGC, RUBY and JADE CLAIMS

Millie Mack Property

SLOCAN M.D. LOC. - LAT. - 50° 05' N. LONG. - 117° 50' W. N.T.S. 82 K4

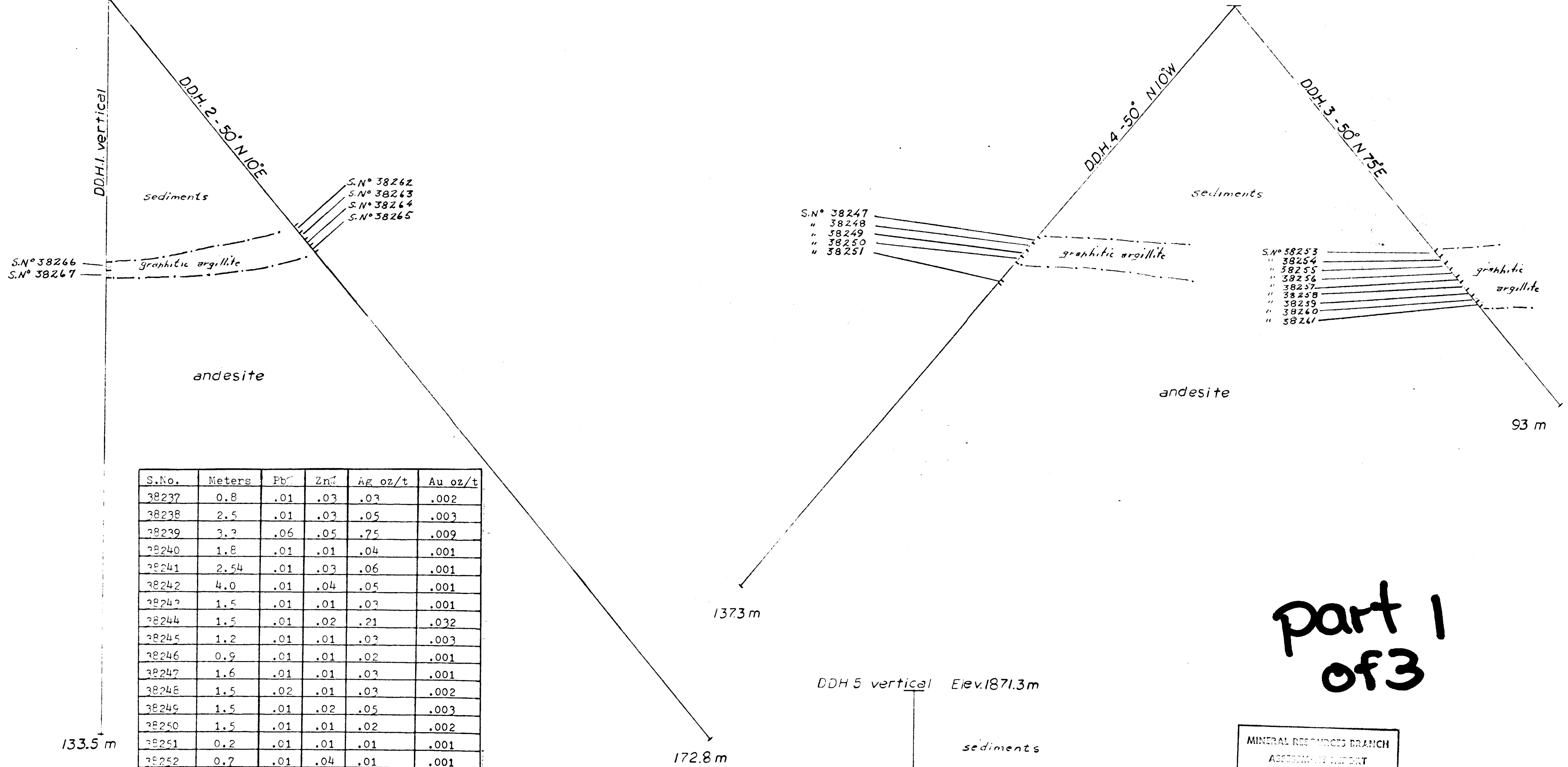
OWNER / OPERATORS - DAVID MINERALS LTD.

December, 1981

M.G. Mooney, P.Eng.

DDH.1,2,3,4, common collar

EI. 1903.4 m



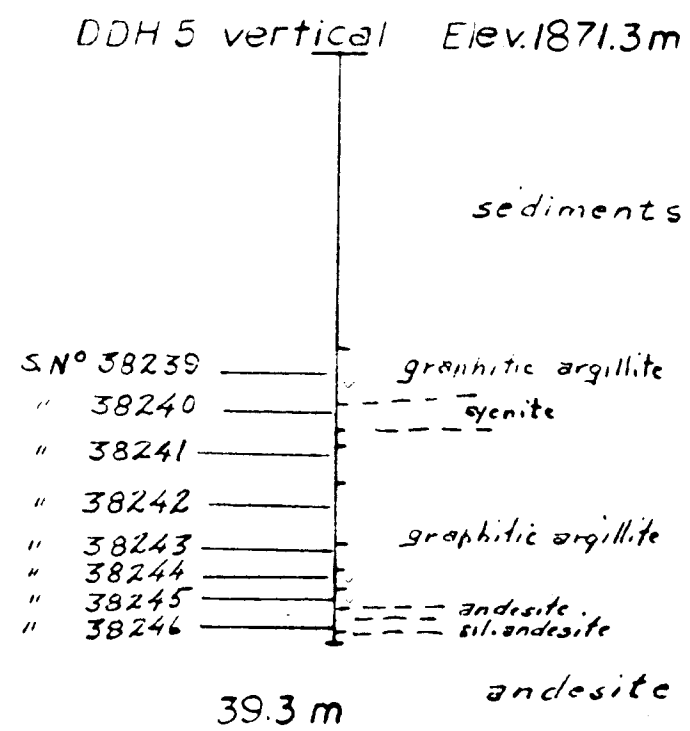
S.N° 38266
S.N° 38267

S.N° 38262
S.N° 38263
S.N° 38264
S.N° 38265

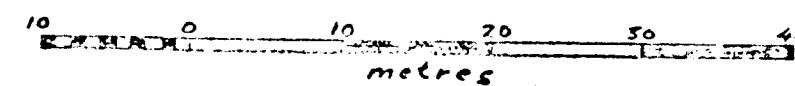
S.N° 38247
" 38248
" 38249
" 38250
" 38251

S.N° 38253
" 38254
" 38255
" 38256
" 38257
" 38258
" 38259
" 38260
" 38261

S.No.	Meters	Pb	Zn	Ag oz/t	Au oz/t
38237	0.8	.01	.03	.03	.002
38238	2.5	.01	.03	.05	.003
38239	3.2	.06	.05	.75	.009
38240	1.8	.01	.01	.04	.001
38241	2.54	.01	.03	.06	.001
38242	4.0	.01	.04	.05	.001
38243	1.5	.01	.01	.03	.001
38244	1.5	.01	.02	.21	.032
38245	1.2	.01	.01	.03	.003
38246	0.9	.01	.01	.02	.001
38247	1.6	.01	.01	.03	.001
38248	1.5	.02	.01	.03	.002
38249	1.5	.01	.02	.05	.003
38250	1.5	.01	.01	.02	.002
38251	0.2	.01	.01	.01	.001
38252	0.7	.01	.04	.01	.001
38253	1.5	.01	.01	.01	.001
38254	1.5	.01	.01	.02	.001
38255	1.5	.01	.01	.01	.001
38256	1.6	.01	.01	.13	.002
38257	1.5	.01	.02	.24	.004
38258	1.5	.02	.02	.29	.004
38259	1.5	.01	.02	.14	.003
38260	1.6	.01	.03	.28	.006
38261	0.9	.01	.06	.19	.005
38262	1.5	.01	.01	.03	.001
38263	1.5	.01	.03	.51	.004
38264	1.6	.01	.02	.13	.005
38265	1.5	.01	.01	.08	.004
38266	1.5	.02	.03	.35	.006
38267	1.3	.01	.02	.19	.005



Scale: 1:500



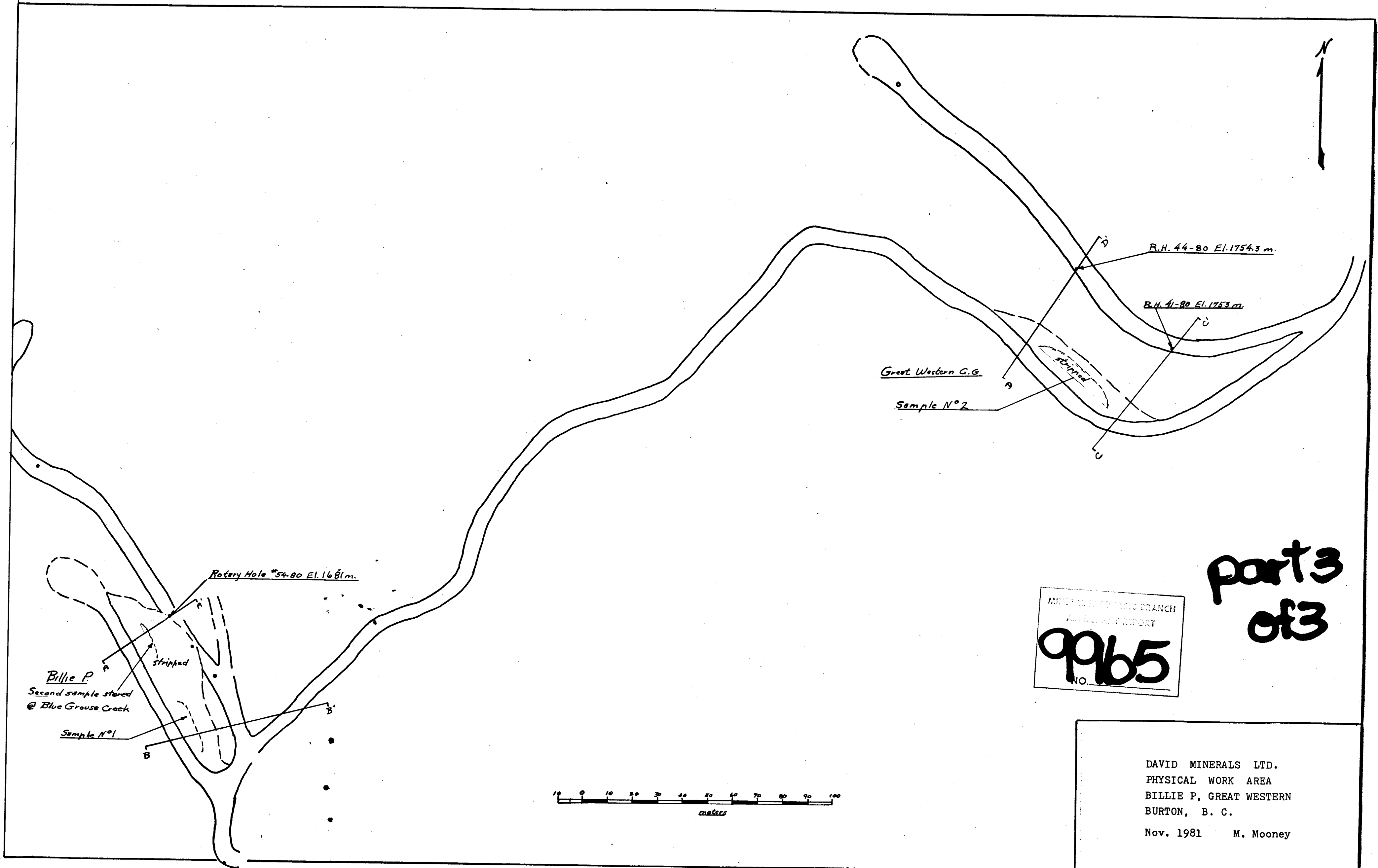
part 1
of 3

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
9965

DAVID MINERALS LTD
DIAMOND DRILL HOLES
MILLIE MACK PROPERTY BURTON, B.C.

DEC, 1980

M. G. Mooney, P. Eng.



part 3
of 3

MINERAL RESOURCES BRANCH
 PHYSICAL REPORT
 9965
 NO.

DAVID MINERALS LTD.
 PHYSICAL WORK AREA
 BILLIE P, GREAT WESTERN
 BURTON, B. C.
 Nov. 1981 M. Mooney

