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G E O L O G I C A L R E P O R T

O N

W M M C L A I M S

SIXTEEN MILE CREEK, WHISTLER AREA

VANCOUVER MINING DIVISION

92J2W

50° 12' N

122° 59' W

FOR

M. P. WARSHAWSKI

BY

A. H. MANIFOLD, P. ENG.,

J. W. MACLEOD, P. ENG.

VANCOUVER, BRITISH COLUMBIA.

OCTOBER 1, 1992.

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

22,553

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GEOLOGICAL REPORT

ON

W M M CLAIMS

SUMMARY;

The WMM claims are located about 15 km north of Whistler, B.C. and readily accessible by logging roads.

They were staked to cover a known gold occurrence which has been subjected to detailed examination by several companies. Geological mapping was carried out to establish the relationship between the gold showing and the surrounding geology.

INTRODUCTION;

The following report has been prepared to fulfill the requirements of the Mineral Act with regard to the application of geological mapping for assessment credit.

Field work was carried out by A. H. Manifold, P.Eng., J. W. MacLeod, P.Eng., and M. P. Warshawski between Aug. 14 and Sept. 21, 1992.

Ground control was provided by B.C. Lands Dept., aerial photos enlarged to a scale of 1: 5000.

Since ground cover is general in the claim area mapping is limited mainly to rock exposures resulting from logging road construction.

Property:

The property consists of one grid claim of 20 units and four two post claims for a total of 24 units as follows:

Claim Name	Record No.	Units	Expiry date
WMM	2002	20	Oct.24,1992
WMM 2	2003	1	Oct.24,1995
WMM 3	2004	1	Oct.24,1994
WMM 4	2005	1	Oct.24,1994
WMM 5	2006	1	Oct.24,1994

The claims are registered in the name of M. P. Warshawski,
6326 Montgomery St., Vancouver, B.C. V6M 2X8.

These claims are shown on Mineral Reference Map 92J2W.



MERV ENGINEERING CORP.

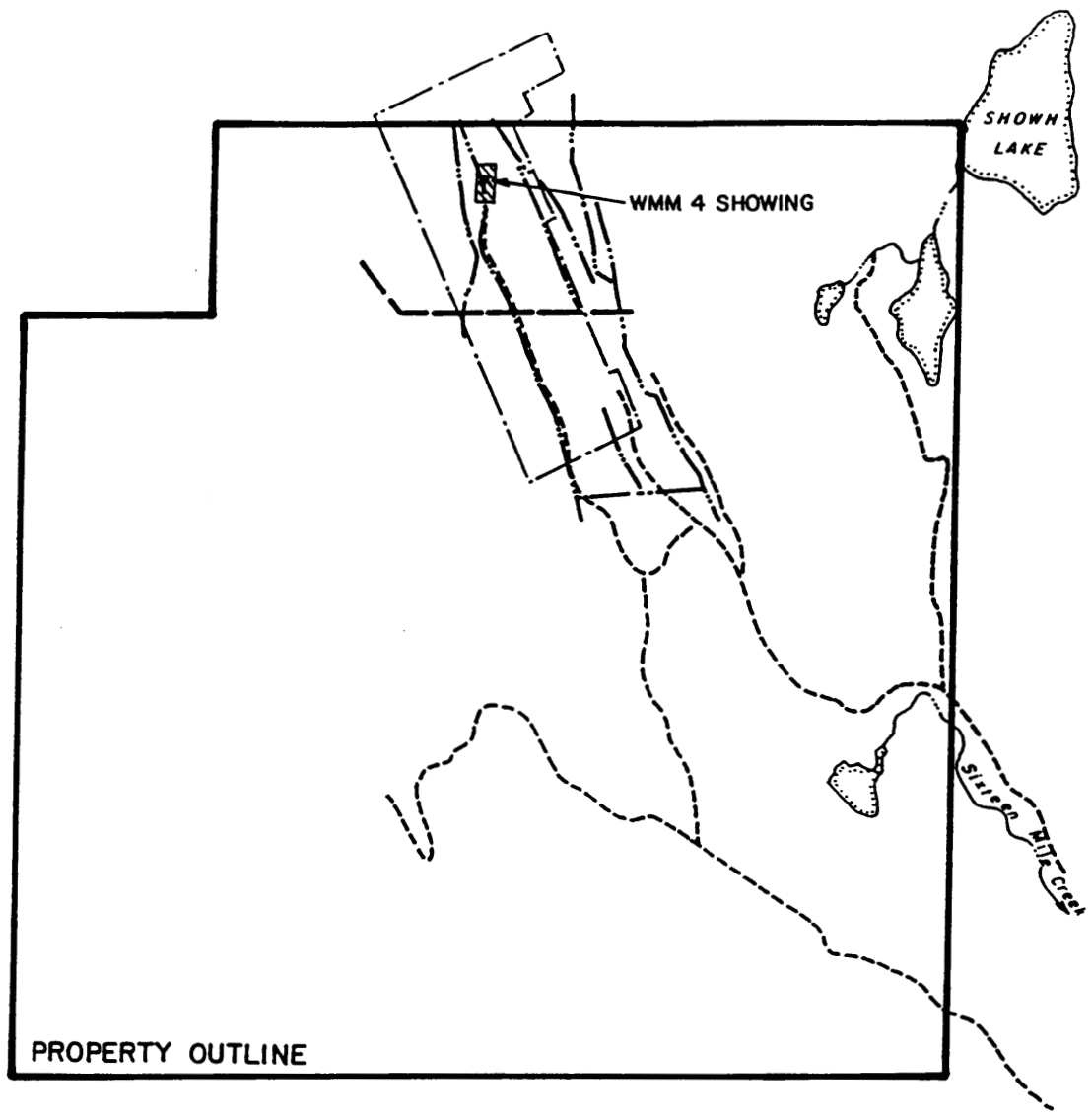
LOCATION OF
WMM GROUP

DRAWN BY: JWM	SCALE: 1:240,000
DATE: Oct 1, 1992	N.T.S. : 9252

Location & Access:

The W M M claims are located 140 km. north of Vancouver and about 15 km. north northwest of Whistler in the Vancouver Mining Division.

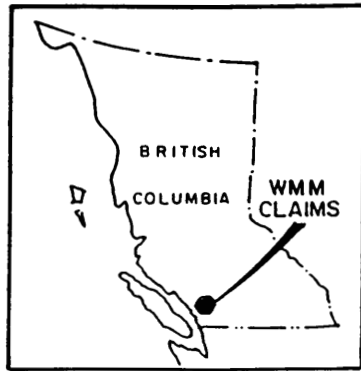
They are accessible by logging road branching off Highway 99 10 km. east of Whistler. About 1 km. north of the highway the logging road branches with one branch going up the west side of Sixteen Mile Creek and the other up the east side about 5 km to claims.



PROPERTY OUTLINE

LEGEND

- BOW RIVER RESOURCES LTD. TEEN SOIL GRID (Nov. 1973), Cu, Au
- McLEOD GEOCHEMICAL SOIL LINE (Au + 27 elements ICP) - (1987)
- ▨ CORONA CORPORATION WMM SHOWING GRID; MAG, VLF-EM, DETAILED SAMPLING - (1988)
- OVERSEAS PLATINUM ORIENTATION GRID, MAG, VLF-EM & INDUCED POLARIZATION - (1989)
- ROAD (4x4)



OVERSEAS PLATINUM CORPORATION	
WMM CLAIMS EXPLORATION ACTIVITY MAP	
N.T.S. 92F - 2W	VANCOUVER M.D., B.C.
0 400 800 METRES	
SCALE: 1:20,000	DATE: JAN. 1990
Geotec Consultants Ltd.	FIGURE N ^o . 4.0

History:

The gold occurrence designated WMM 4. on the foregoing page was first located by Warshawski and Manifold in 1972. In 1973 Bow River Resources carried out a soil survey for copper and gold but no anomalous areas were indicated in the vicinity of the showing.

The ground was relocated in 1986 as the WMM claims and the gold occurrence originally thought to be float was established as being in place with an encouraging selected sample assaying 2.72 oz. per ton gold.

In 1988 Corona Corp. extended the trenched area and carried out limited E. M. work.

In 1989 Overseas Platinum Corporation optioned the ground and carried out limited mag., E.M. and I. P. work. Anomalous indications from the geophysical surveys are at best vague.

General:

The claims are located in the rugged Coast Range Mtns. covering a uniform slope of about 20 degrees between 914 and 1371 meters elevation.

Precipitation is heavy in this area mainly in the form of snow from November to June.

What appear to be excellent stands of fir, hemlock and cedar have been logged in patches but are reported to be overmature timber.

The access dirt roads to the property are popular with bikers and hikers.

Road cuts supply most of the outcrop for geological mapping.

Geology:

Regional

As indicated by G.S.C. Open File 482 the area is underlain by Upper Jurassic to Lower Cretaceous Gambier Group of metasediments and metavolcanics. These rocks are found as roof pendants in the Upper Cretaceous Plutonic Complex.

Property

Ground control for mapping was provided by enlarged B.C. Government aerial photos. The western half of the mineral claim was not covered.

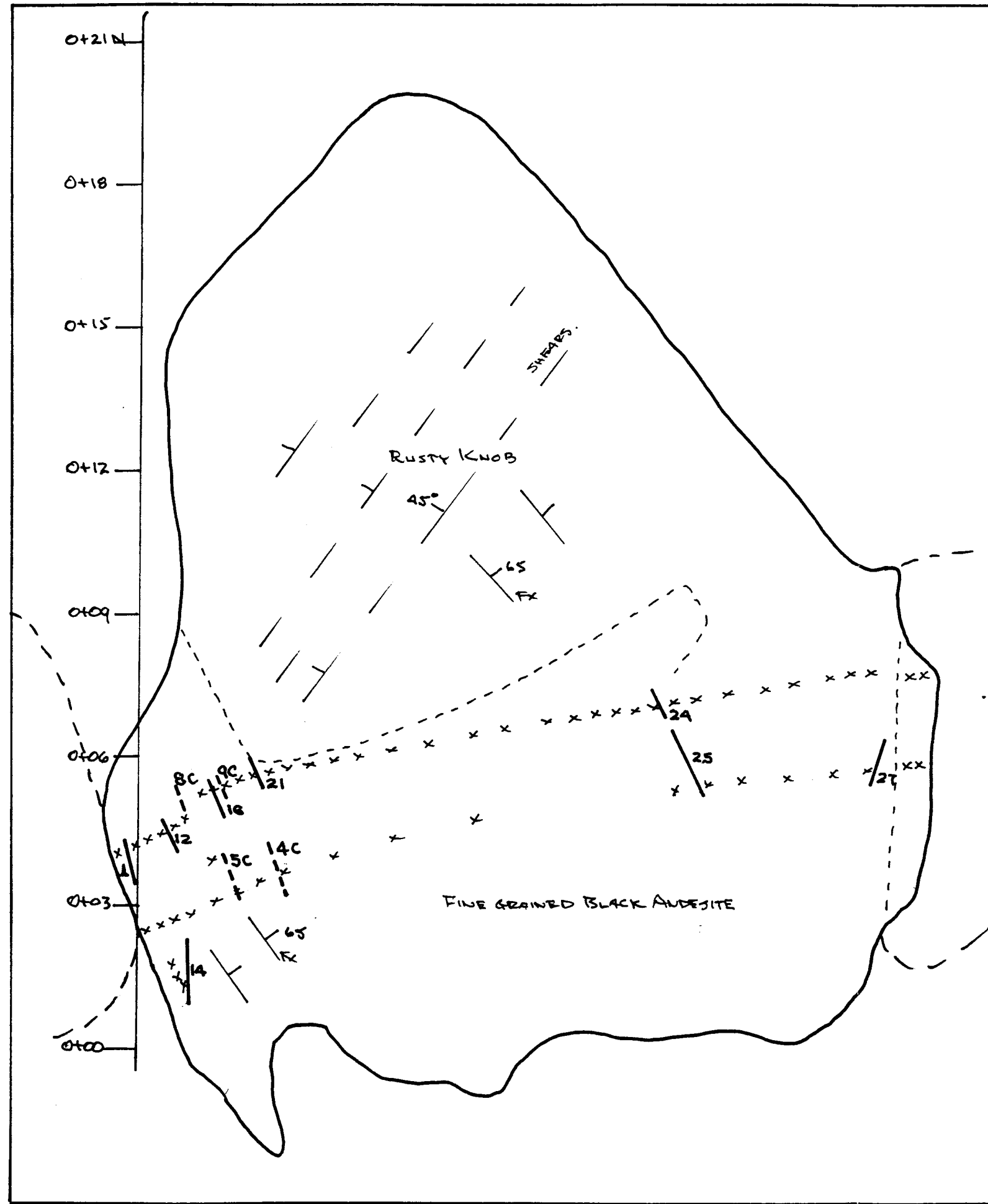
Outcrop exposure is found mainly along road cuts and in logged areas. In the timbered area although overburden is not deep outcrop is sparse.

The eastern and western portions of the mapped area are underlain by a massive fine grained dark andesite.

To the east of the western andesite band is a sedimentary horizon consisting mainly of a black argillite trending N 15 W and dipping steeply. Within this belt there are narrow basalt lenses. This horizon was noted on the south boundary of WMM 5 in the 1987 report by MacLeod.

Between the sedimentary horizon and the easterly mapped andesite there is a belt about 500 M. wide of basalt flows. These are fine grained black flows sometimes porphyritic with feldspar and a black phenocryst.

The Coast Range Plutonic Complex is represented here by a hornblende diorite approximately along the trend of the flows between the basalt and andesite.



CORONA ASSAYS.

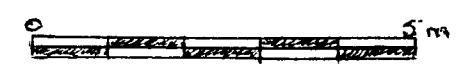
ORIGINAL TRENCH.

SAMPLE No.	ppb Au.
4C	1445
5C	2160
8C	3270
9C	5300

PRESENT TRENCH LEVEL

1	5990
12	4820
14	2170
16	1770
21	2330
24	3690
25	1250
27	1690

X - SILICIFICATION WITH PYRITE & MAGNETITE.



WMM SHOWING PLAN OF TRENCH.	
DRAWN BY: J.W.M.	SCALE 1:100
DATE: Sept 29, 1992	N.T.S.: 9232

Minerology

The WMM showing consists of two parallel silicified zones exposed in an east west direction for 18 meters.

The silicification is generally less than 1 metre wide and is accompanied by 1 to 3 percent pyrite. Erratically distributed along the silicified zones are small patches of magnetite. The best gold values are associated with the magnetite.

Pyrite is disseminated and found along narrow shears in the knob to the north of the veins but no gold values are found with this mineralization.

The veining is strongest in the west end of the trench where the extension is covered by deep overburden. The hill drops off sharply to the east and appears to be covered in light overburden.

Conclusions:

The WMM Group is underlain by rocks similar to those that host the gold occurrences of Northair Mines to the south.

The gold showing on claim WMM 4 has been tested by geochemistry, magnetometer, electromagnetic and IP surveys, all of which failed to give a positive response in the vicinity of the known mineralization.

In view of the lack of positive results by previous surveys it is recommended that the area to the east and west of the exposure be prospected by bulldozer trenching.

Respectfully submitted,

A. H. Manifold P. Eng.
A. H. Manifold, P.Eng.

J. W. MacLeod, P. Eng.
J. W. MacLeod, P.Eng.

Vancouver, B.C.
Oct. 1, 1992.

APPENDIX I

ASSAY CERTIFICATE



SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppb
C2 ON 500 RD.	1	31	10	77	.4	12	10	734	3.24	7	8	ND	1	45	.2	2	2	74	.75	.071	2	12	.97	69	.17	2	2.60	.01	.12	1	2
C2 RD. TO EAST OF 500 RD.	1	38	19	119	.4	11	16	536	4.00	4	10	ND	1	39	.6	2	2	72	.41	.092	3	15	.94	117	.16	2	3.03	.01	.13	1	10
MM L2E 4590N	7	281	12	200	.4	23	54	739	4.16	3	8	ND	1	49	.9	2	2	64	.47	.051	6	15	1.08	86	.11	2	4.07	.03	.13	1	5
RE C2 RD. TO EAST OF 500 RD	1	41	20	122	.3	13	17	516	3.97	3	5	ND	1	38	.5	2	2	70	.35	.087	3	16	.93	116	.16	4	3.05	.01	.13	1	15

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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



ASSAY CERTIFICATE



M.P. Warshawsky File # 92-2756 Page 1
6326 Montgomery St., Vancouver BC V6M 2X8

SAMPLE#	Ag** oz/t	Au** oz/t	
soil cut south of show wing	70029	.01 .001	cherty or debris
"	70030	.01 .001	mostly pebbles, slight magnetite
"	70031	.01 .001	same as 70030
talus 50 m north of 70030	70032	.03 .001	magnetite in fragments
"	70033	.01 .001	same as with pebbles
	RE 70033	.01 .001	
end of upper soil	70034	.01 .001	bleached and with pyrite cubes.
	70035	.01 .001	grey soil
Soo River road 200 m north boundary	70036	.01 .001	cherty shear, iron & pyrite.
	STANDARD AG-1/AU-1	.98 .098	

AG** AND AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

- SAMPLE TYPE: P1 ROCK P2 SOIL

Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: AUG 25 1992

DATE REPORT MAILED:

Aug 31/92

SIGNED BY.....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

APPENDIX II

REFERENCES

G.E.White - Bow River Resources Geochemical- Nov.20/1973

Woodworth - G.S.C. open file 482 Geology - 1977

J. W. MacLeod - Warshawski Geochemical - Nov.20/1987

D. Gaunt - Corona Corp. -Geological & Geophysical-Dec9/88

L. Saleken - Overseas Platinum - Geophysical - Feb.12,1990

APPENDIX III

EXPENDITURES

E X P E N D I T U R E S

Aug. 14/1992 -	W M M Group	
	J. W. MacLeod-----	\$400.00
	M. Warshawski-----	200.00
	Meal-----	8.06
	Meal-----	5.99
	4 x 4 mileage-190@.60-----	114.00
Aug. 18/1992 -	W M M Group	
	A. H. Manifold-----	\$400.00
	J. W. MacLeod-----	400.00
	M. Warshawski-----	200.00
	Meal Whistler-----	11.61
	Meal Whistler-----	8.03
	4x4 Mileage-220 @ .60-----	132.00
Aug. 21/1992 -	W M M Group	
	A. H. Manifold-----	400.00
	J. W. MacLeod-----	400.00
	M. Warshawski-----	200.00
	Meal-Whistler-----	11.61
	Meal-Whistler-----	8.03
	4x4 mileage- 219 @ .60-----	131.00
Sept. 21/1992-	W M M Group	
	A. H. Manifold-----	400.00
	J. W. MacLeod-----	400.00
	G. A. Bleiler-----	200.00
	Meal-Whistler-----	11.99
	Meal-Whistler-----	5.78
	4x4 mileage- 210 @ .60-----	126.00
July 20/1992-	Photos-----	40.03
Aug. /1992-	Photos-----	45.20
	Assaying-----	164.25
	Report Preparation	
	A. H. Manifold-2 days-----	600.00
	J. W. MacLeod-2 days-----	600.00
	 TOTAL-----	 \$5,623.58



MAYS-BC
 MINISTRY OF ENVIRONMENT, LANDS and PARKS
 SURVEYS and RESOURCE MAPPING BRANCH
 4TH FLOOR, 1802 DOUGLAS STREET
 VICTORIA, BC V8V 1X4

PHONE: (604) 387-1441
 FAX: (604) 387-3022
 GST Reg #: R107864738

*** CASH RECEIPT ***

CUSTOMER ACCOUNT #: 1 GL CODE: PUBLIC CASH RECEIPT #: 419
 SHIP VIA: Regular Mail PURCHASE ORDER #: ORDER DATE: 1992.07.20

BILL TO: COUNTER CASH SALES

SHIP TO: J.W.MACLEOD, P.ENG.
 1220 ARBUTUS STREET

VANCOUVER BC V6J 3W6

ITEM	QUANTITY	PRODUCT CODE	DESCRIPTION	UOM	PRICE	DISCOUNT %	TOTAL
001	2	A301G1	BLACK/WHITE CONTACT PAPER PRINT FROM BLACK/WHITE NEGATIVE (GROUP 1, GENERAL) BCB 91079 45,46	EA	4.00		8.00
002	1	A322	BLACK/WHITE PAPER ENLARGEMENT FROM BLACK/WHITE NEGATIVE (46 X 46CM) ONE 3X ENLARGEMENT OF 6 " SQUARE OF: BCB 90050 251	EA	26.00		26.00
003	1	H201	HANDLING CHARGE, B.C. ORDERS (INCLUDES GOODS/SERVICES TAX)	EA	1.61		1.61

SUBTOTAL:	35.61
PST:	2.04
GST:	2.38
TOTAL:	40.03
PREPAYMENT:	40.03
BALANCE DUE:	
BALANCE OVERPAID:	

A service fee of \$10.00 will
 be charged for dishonoured cheques.

*** CASH RECEIPT ***

SALESPERSON: CHARMAINE MERRICK

PAGE: 1

MAPS-BC
MINISTRY OF ENVIRONMENT, LANDS and PARKS
SURVEYS and RESOURCE MAPPING BRANCH
4TH FLOOR, 1802 DOUGLAS STREET
VICTORIA, BC V8V 1X4

*** SHIPPING PAPERS ***

BILL TO: J W MACLEOD
1220 ARBUTUS STREET

VANCOUVER BC V6J 3W6

SHIP TO: J W MACLEOD
1220 ARBUTUS STREET

VANCOUVER BC V6J 3W6

ORDER #: 4888
ORDER DATE: 1992.08.12
SHIPPED DATE: 1992.09.01
ORIGINAL ORDER #: 0

SHIP VIA: Regular Mail
PO #:
GL CODE: PUBLIC

ITEM	QUANTITY	PRODUCT CODE	DESCRIPTION	UOM	WAREHOUSE	BIN LOCATION
001	1	A323	BLACK/WHITE PAPER ENLARGEMENT FROM BLACK/WHITE NEGATIVE (69 X 69CM) ONE 3X FULL FRAME ENLARGEMENT OF: BCB 90050 231	EA	AIR	AIRLAB

TOTAL: 45.20

SALESPERSON: CHARMAINE HERRICK
CUSTOMER NAME:
PHONE #:
CUSTOMER ACC #: 2

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PAGE: 1

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Our GST # R100035377



M.P. WARSHAWSKY
 6326 Montgomery St.
 Vancouver, BC
 V6M 2X8

File: **92-2756**
 Date: **Aug 31 1992**

QTY	ASSAY	PRICE	AMOUNT
8	AG & AU BY FIRE ASSAY FROM 1 A.T. @	12.00	96.00
3	30 ELEMENT ICP ANALYSIS @	4.50	13.50
3	GEOCHEM AU ANALYSIS BY ACID LEACH (10 gm) @	5.00	15.00
8	ROCK SAMPLE PREPARATION @	3.25	26.00
3	SOIL SAMPLE PREPARATION @	1.00	3.00
			<hr/> 153.50
GST Taxable 7.00 % GST			153.50 10.75
PAYMENT RECEIVED - THANK YOU			<hr/> 164.25 -164.25
TOTAL			<hr/> 0.00

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[COPY 2]

A P P E N D I X I V

C E R T I F I C A T E S

C E R T I F I C A T E

I, Albert H. Manifold, of 1620 Howard Avenue, in the City of Burnaby, in the Province of British Columbia.

DO HEREBY CERTIFY;

1. That I graduated from the University of Alberta in 1945 with a degree of B. Sc. in Mining Engineering.
2. That I graduated from the University of British Columbia in 1947 with a degree of M.A. Sc. in Geological Engineering.
3. That I have practiced my profession in the fields of mineral exploration, mine production and teaching since graduation.
4. That I am a registered Professional Engineer in the Province of British Columbia.
5. That the geological mapping covered by this report was done by J. W. MacLeod and A. H. Manifold between Aug. 14 and Oct. 1/1992.

A. H. Manifold P. Eng.

A. H. Manifold B.Sc., M.A.Sc., P.Eng.

Dated at the City of Burnaby,
Province of British Columbia
this 1st day of October, 1992

C E R T I F I C A T E

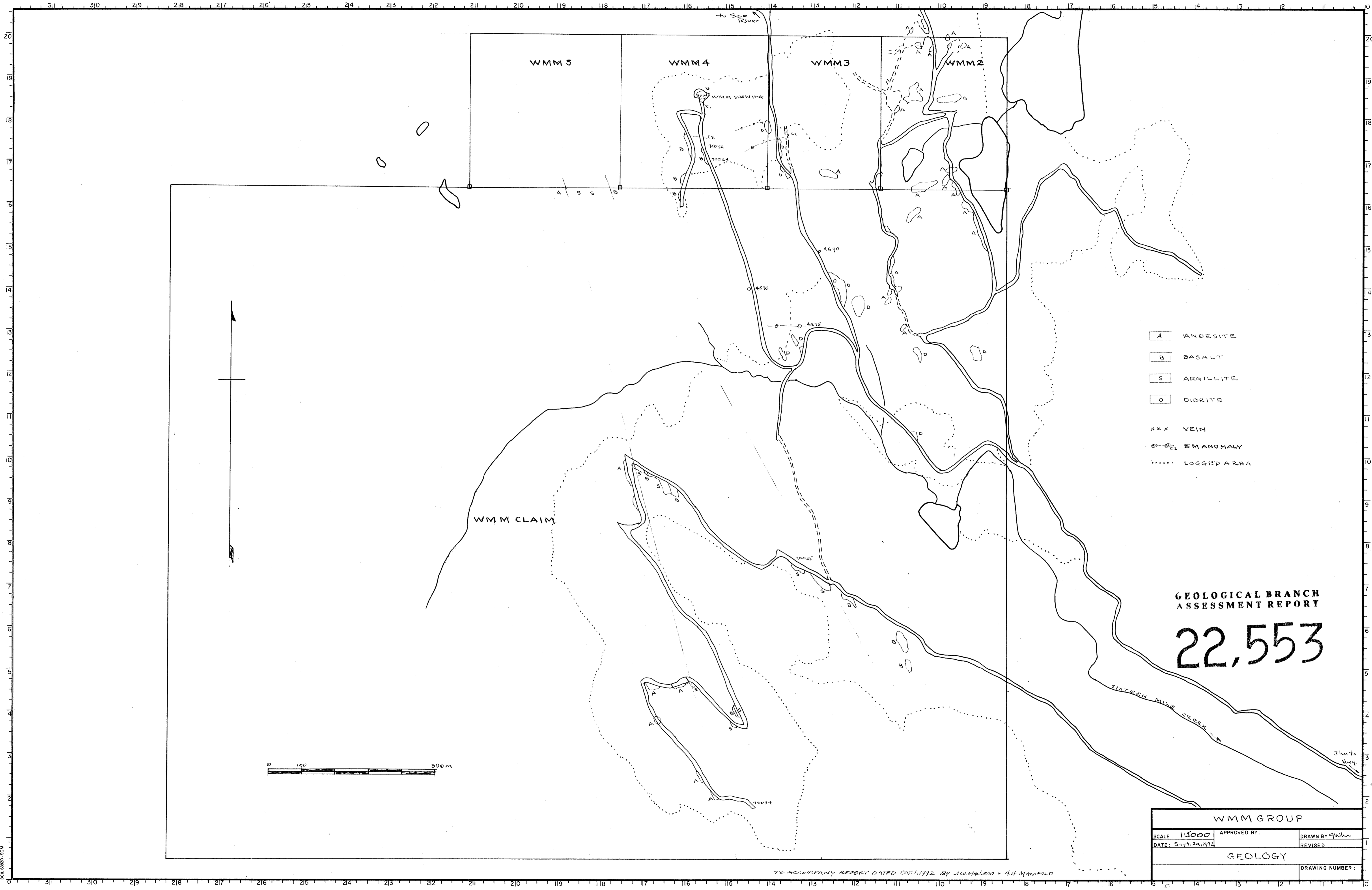
I, James W. MacLeod, of 1220 Arbutus Street, in the city of Vancouver, in the Province of British Columbia.

DO HEREBY CERTIFY;

1. That I am a Consulting Engineer, with a business address at 1220 Arbutus Street, in the City of Vancouver, in the Province of British Columbia.
2. That I am a graduate of the University of Alberta with a degree of B.Sc. in Mining Engineering.
3. That I have actively practiced my profession in mineral exploration since graduation in 1946.
4. That I am a registered Professional Engineer in the Province of British Columbia.
5. That the geological mapping covered by this report was carried out by myself and A. H. Manifold between Aug. 14 and Oct. 1, 1992.


J. W. MacLeod, B.Sc., P. Eng.

Dated at the City of Vancouver,
Province of British Columbia,
this 1st. day of October, 1992.



WMM 5

WMM 4

WMM 3

WMM 2

WMM CLAIM

- A ANDESITE
- B BASALT
- S ARGILLITE
- D DIORITE
- xxx VEIN
- EMANOMALY
- LOGGED AREA

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,553



WMM GROUP		
SCALE: 1:5000	APPROVED BY:	DRAWN BY: JWH
DATE: Sept 24, 1992		REVISED:
GEOLOGY		
		DRAWING NUMBER:

TO ACCOMPANY REPORT DATED OCT 1, 1992 BY JUAN M. LEO & A.H. MANFOLD

BCL 08050-051M