



REPORT  
ON THE  
MARINA #1-16 MINERAL CLAIM GROUP  
GRANT NOS. YA34349 - YA34364  
105-H-1/2  
CONGLOMERATE CREEK-MT. BILLINGS AREA  
WATSON LAKE MINING DISTRICT  
YUKON TERRITORY

N. Lat. ~~61°38'~~  
61°15'N

W. Long. ~~128°15'~~  
128°30'W

for

PATMAR RESOURCES CORPORATION  
Suite 704, 525 Seymour Street  
Vancouver, British Columbia



by

DONALD W. TULLY, P. ENG.

090828

September 3, 1980

West Vancouver, B.C.

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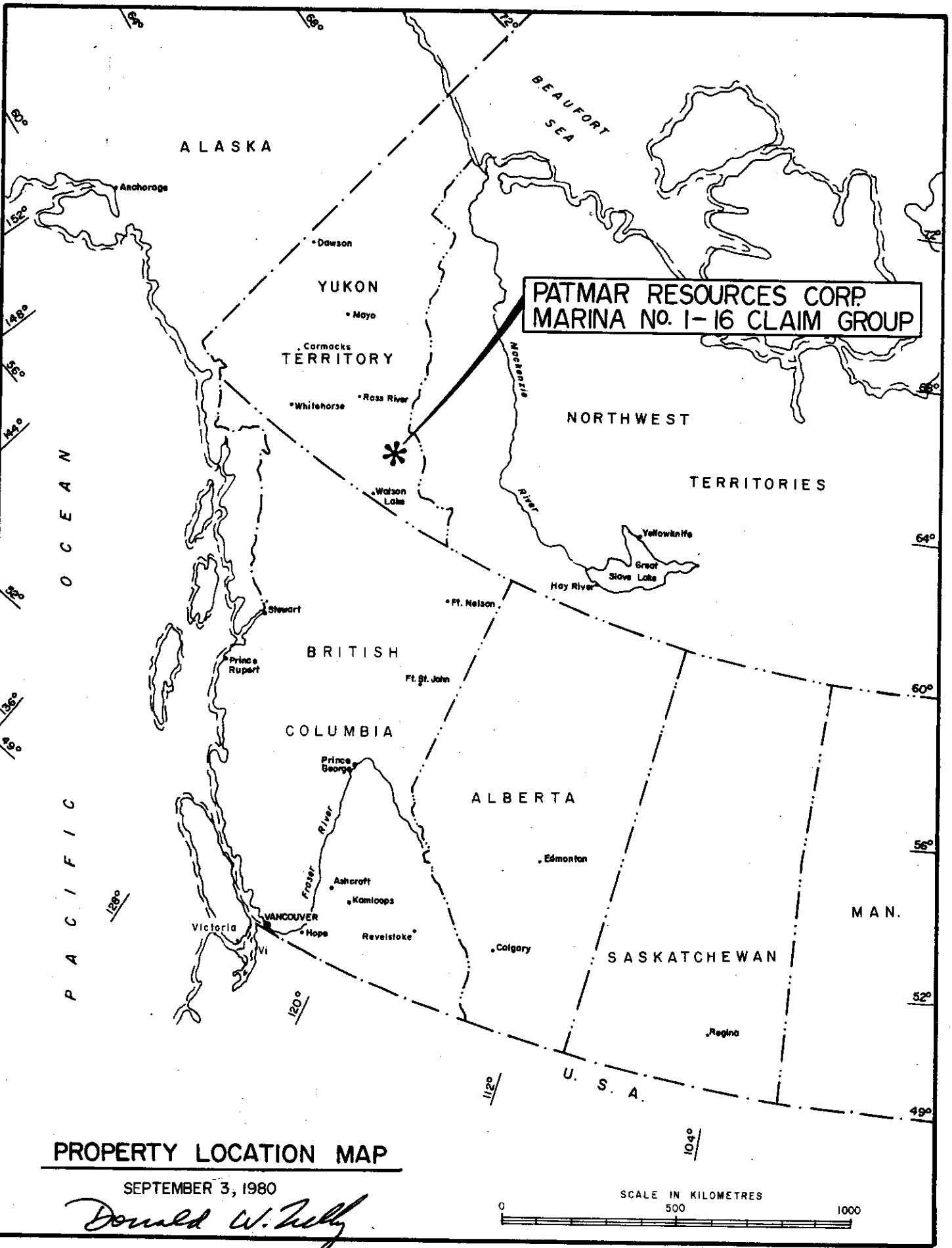
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LOGS OF SURFACE DIAMOND DRILL HOLES  
MAR 1-80, 2-80, 3-80

ASSAY CERTIFICATE



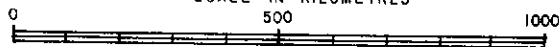
PATMAR RESOURCES CORP.  
MARINA NO. 1-16 CLAIM GROUP

PROPERTY LOCATION MAP

SEPTEMBER 3, 1980

*Donald W. Kelly*

SCALE IN KILOMETRES



## INTRODUCTION

This report was prepared pursuant to a request from the Directors of PATMAR RESOURCES CORPORATION, Suite 704, 525 Seymour Street, Vancouver, British Columbia.

The purpose of this report is to summarize the results of the 1980 program of diamond drilling and evaluate the property for mine-making potential.

This report is based upon a personal examination of the claims and a log of the diamond drill core in the period August 7-8, 1980.

A program of further diamond drilling is recommended to test the lead-zinc and silver mineralization for strike length and the width and depth extent of the zone indicated in the 1980 diamond drill test.

## SUMMARY AND CONCLUSIONS

The MARINA #1 - 16 mineral claim group comprises sixteen claims situated about 85 air miles north of the town of Watson Lake, Yukon Territory.

The claims are readily accessible by road from kilometre post 78 on the North Nahanni Range (Cantung) Road using a 4 WD vehicle, a distance of 20 kilometres. The topography over the claim area is steep and a helicopter is useful for access over the claimed ground.

Several skarn zones carrying lead, zinc, silver mineralization occur over substantial widths on the MARINA property (Figures 6, 7, and 8). One of these zones, the

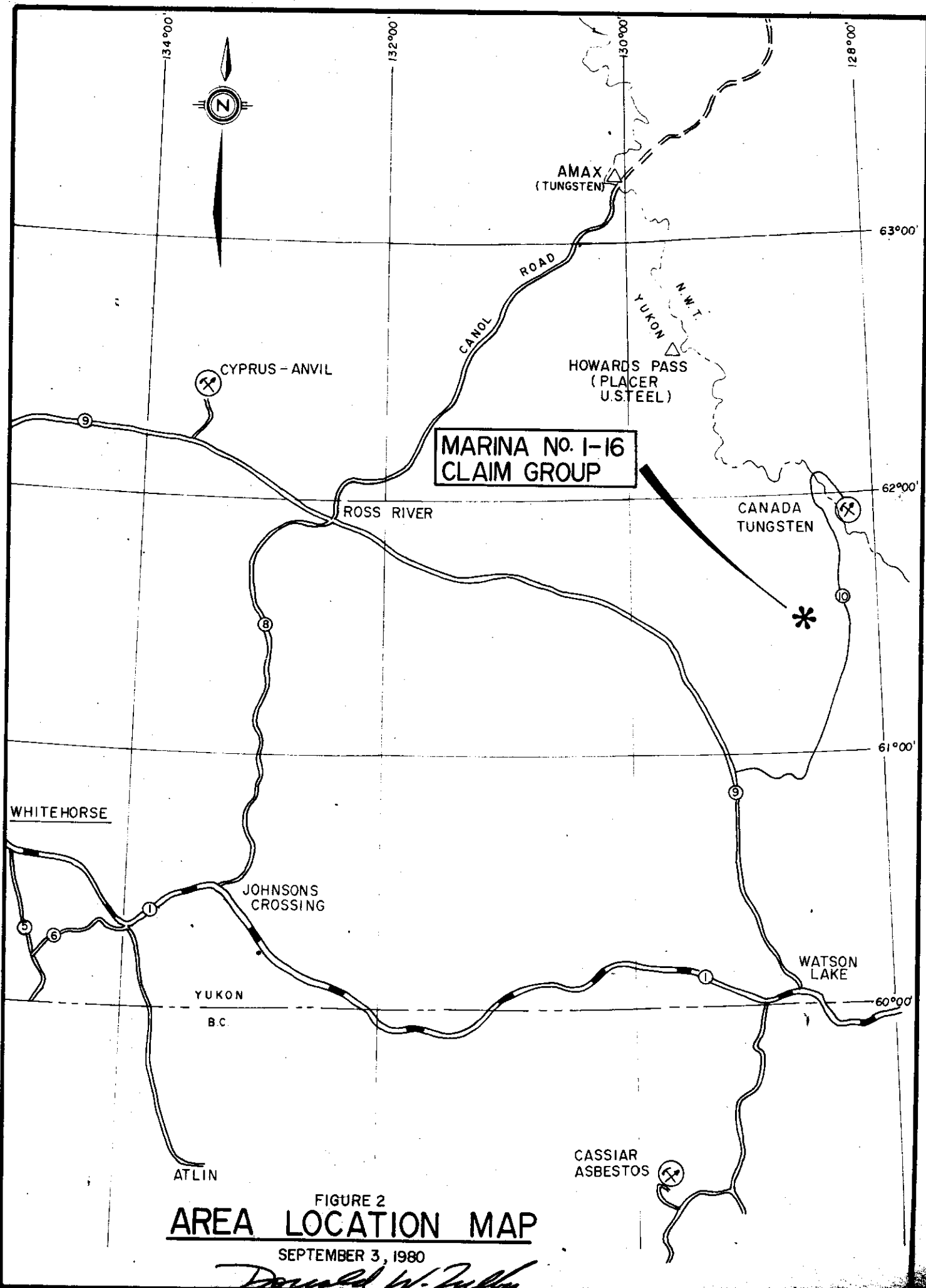


FIGURE 2  
**AREA LOCATION MAP**

SEPTEMBER 3, 1980

*Donald W. Kelly*

Hillside, has been identified along a significant strike length and across widths of 6-7 metres. This zone was tested from one location, in a three hole program of diamond drilling, in the period June 23 through July 15, 1980. A total of 287 metres (941 feet) of BQ wireline core was drilled.

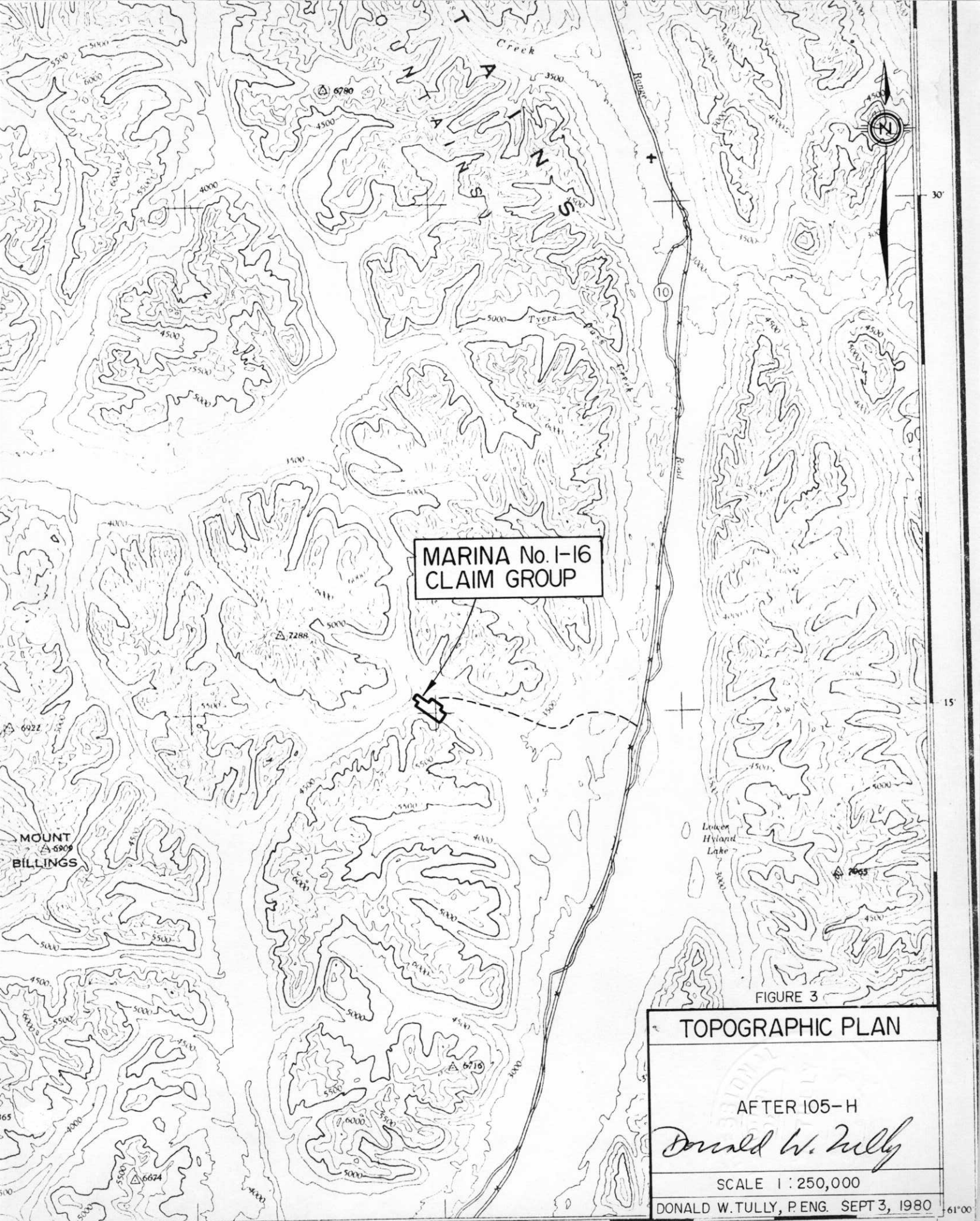
The ratio of silver to lead appears to be in the range of about 1 to 1 or less. The mineralization occurs in fissures in the skarn zones and is related to post-skarn emplacement fracture patterns. The substantial size of the skarn zones which trend westerly across the claim area is encouraging and these may host an economic mass of silver-lead-zinc mineralization under optimum fracture pattern conditions.

A further program of three diamond drill holes is recommended to test across the strike of the skarn zones in the area of the silver-lead-zinc mineralization at an estimated cost of \$75,900.

#### PROPERTY - LOCATION, ACCESS, PHYSIOGRAPHY

The property comprises sixteen mineral claims situated on the south side of Conglomerate Creek (Figures 3 and 4) some 85 air miles north of the town of Watson Lake, Yukon Territory.

Access to the property is available by road using a 4WD vehicle. The road distance from Watson Lake is about 115 miles (190 km). Steep topography over the claim area necessitates the use of a helicopter over property.



MARINA No. 1-16  
CLAIM GROUP

FIGURE 3

TOPOGRAPHIC PLAN
AFTER 105-H
<i>Donald W. Tully</i>
SCALE 1 : 250,000
DONALD W. TULLY, P. ENG. SEPT 3, 1980

Elevations vary between 4,000 and 6,000 feet a.s.l. over the claims.

Much of the ground over the claimed area is above treeline. Those areas below this elevation in the west sector of the claims have small spruce and buckbrush vegetation.

Water for any immediate industrial use is available from small mountain streams along the north-facing slope of the property as well as from Conglomerate Creek at elevation 3800'.

### CLAIMS

The MARINA claims comprise a group of sixteen contiguous mineral claims numbered 1 - 16, in the Watson Lake Mining District, located on the south side of Conglomerate Creek. The claims are recorded with the Mining Recorder, Department of Indian Affairs and Northern Development, Watson Lake, as follows:

<u>Claim Name</u>	<u>Record No.</u>	<u>Expiry Date</u>	<u>Recorded Holder</u>
MARINA #1-61	YA 34349-64	July 31, 1984	Patmar Resources Corporation

### HISTORY - PREVIOUS DEVELOPMENT

Lead, zinc, copper and silver mineralization was discovered on the ground now held by the MARINA #1-16 claim group in the mid-1960's. Some trenching and a limited amount of short hole diamond drilling was done at that time in a cirque area on the present MARINA claims #9-11, 15-16,

105-A-14 105-A-15 105-A-16

AND NORTHERN DEVELOPMENT WILL  
NO RESPONSIBILITY FOR ANY ERRORS,  
RACIES OR OMISSIONS WHATSOEVER.

PRICE 1 DOLLAR

CORE STORAGE

HITEHORSE

26 Sept. 1972  
28 Oct. 1964

9 Oct. 73  
24 APRIL 73 4 NOV 74  
26 MAR 73 8 MAY 74  
19 MAR 73 5 AUG. 74

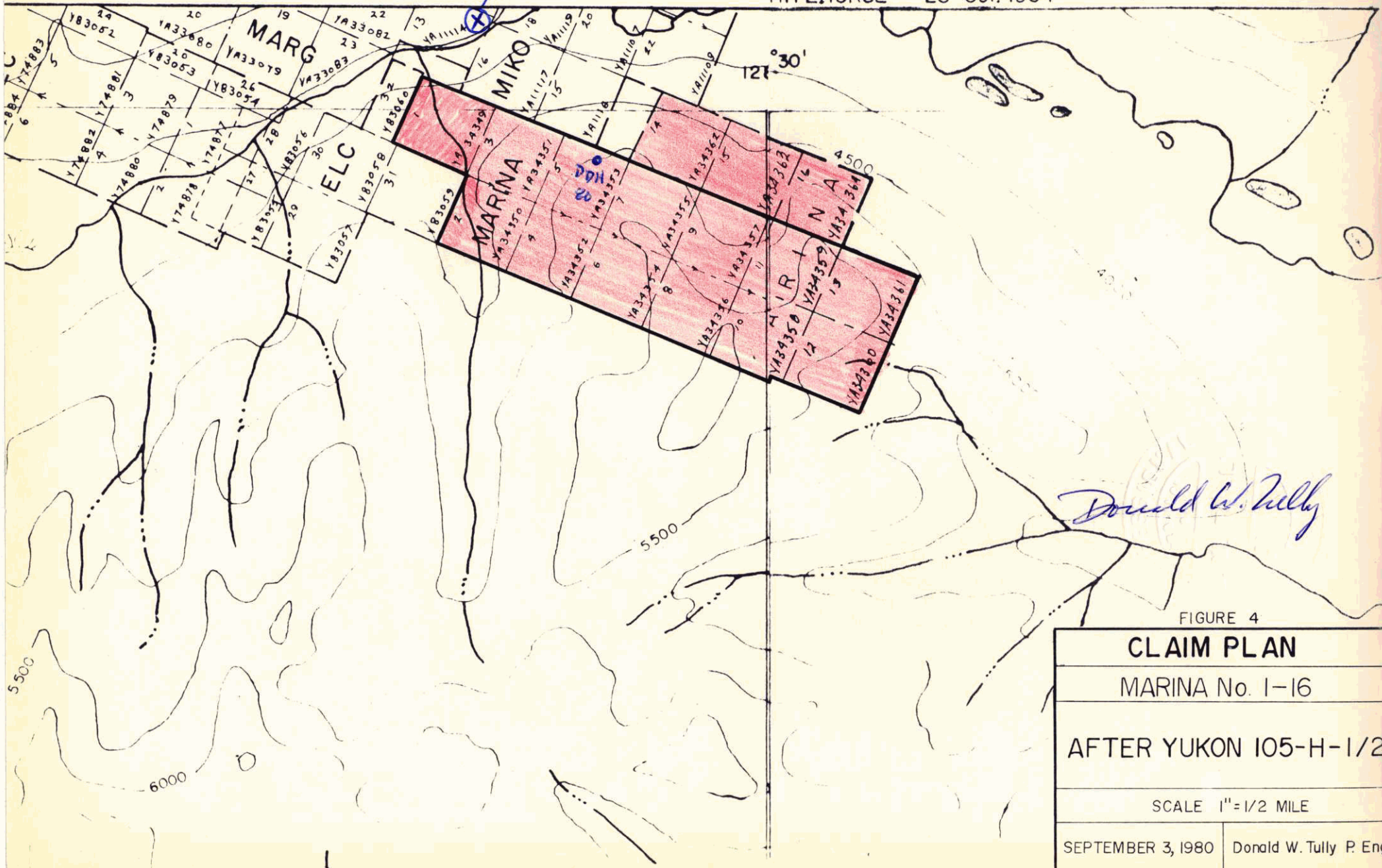


FIGURE 4

**CLAIM PLAN**

MARINA No. 1-16

AFTER YUKON 105-H-1/2

SCALE 1"=1/2 MILE

SEPTEMBER 3, 1980

Donald W. Tully P. Eng

as well as some trenching in the area of the current diamond drill program on MARINA claims #4-5.

Some bulldozer trenching was done in the area of MARINA claims #2, 3, 4, 5 in 1979.

#### REFERENCES

1. Report on the MARINA Claims, Frances Lake Map Area - 105-H-2, Yukon Territory, on behalf of PATMAR RESOURCES CORPORATION by James W. McLeod, B.Sc., dated September 14, 1978
2. Geological Survey of Canada Map 6-1966 - Frances Lake 105-H
3. Yukon Claim Sheets 105-H-1 and 2

#### REGIONAL AND LOCAL GEOLOGICAL SETTING

Five lithological units are recognized on the MARINA claim group. A tentative geologic timetable is as follows:

<u>Formation</u>	<u>Description/Event</u>	<u>Age</u>
Sand, Gravel, glacial debris, talus	Unconsolidated  (Erosional unconformity)	Quaternary
Mineralization Skarn zones	Silver, galena, sphalerite, chalcopyrite, pyrite, pyrrhotite  (Folding, faulting and related tectonic activity)	Tertiary (?)
Granitic intrusives	Feldspar and quartz, porphyry dykes, quartz monzonite, biotite granite and granodiorite	Cretaceous (?)



is much thicker, it may be in part of Silurian age.  
 Units 10 and 12 are lithologically correlated with strata previously mapped in adjacent regions.  
 Unmetamorphosed, predominantly pelitic, strata (13) are believed correlative with Devonian-Mississippian rocks in adjacent regions. Characteristic are chert-pebble conglomerate, varicoloured chert, and black quartz-bearing greywacke and gritty quartzite. In the Campbell Range unit 13 includes numerous small bodies of greenstone, many intrusive, but most of the greenstone, mapped as 13b, appears to be volcanic and probably overlies or occurs within the upper part of unit 13. Serpentinite (13c) is thought to be an integral part of the Devonian-Mississippian assemblage. A profound angular unconformity occurs at the base of this sequence.

Unit 14 comprises mainly hornfelsed pelitic rocks whose age and correlation are in doubt. Overall lithologic character, lack of regional metamorphism in rocks near the gneissic belt (2) and one collection of Middle or Upper Devonian fossils (near the south boundary at 128° 40' W) suggest that probably most, if not all, of this unit is correlative with Devonian-Mississippian strata of unit 13.

Granitic rocks (15) generally have sharply defined contacts, but in the schist-gneiss belt (2) they are commonly bordered by complex zones as much as 1/4 mile wide in which massive plutonic rock is interspersed with lit-par-lit migmatites and partly granitized inclusions. There mapped boundaries are largely arbitrary, based on proportion of intrusive to host rocks.

Outside the complexly deformed central crystalline terrain, regional structures trend northwest except in the northern part of the map-area where they become westerly. Regional metamorphism appears unrelated to Cretaceous (?) granitic intrusion and probably predates the Devonian-Mississippian strata. These strata overlie schist and gneiss of unit 1 unconformably and are essentially non-schistose. Northwest-trending regional folds near Flat River, which may be related to tectonism in the central belt, are post Late Ordovician, as they involve rocks of this age and older. These folds clearly predate and are modified by intrusion of granitic rocks.

Sphalerite with minor amounts of galena, pyrrhotite and chalcopryrite occur in silicated calcareous members in several localities throughout the schist-gneiss terrain (2) and in hornfelses that may be equivalent to unit 13. Pyrrhotite with some chalcopryrite was noted in black slate and argillite of unit 13, west of Hyland River road at mile 53. Scheelite is reported in the north-central part of the map-area near 61° 48' in contact zones with calcareous beds of unit 1.

A high-grade tungsten deposit on Flat River is presently being mined by Canada Tungsten Mining Corporation. Scheelite, with pyrrhotite and minor amounts of chalcopryrite occurs with skarn minerals in massive Lower Cambrian limestone. The deposit is several hundred feet from nearest exposed granitic rocks, but within a zone of moderate to high-grade contact metamorphism.

15 129° 00' 45' 30' 15' 128° 00' 61° 00'

Printed by the Surveys and Mapping Branch

MAP 6-1966  
 GEOLOGY  
**FRANCES LAKE**  
 YUKON TERRITORY AND DISTRICT OF MACKENZIE

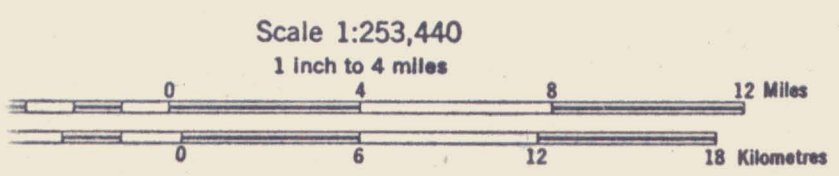


FIGURE 5  
 REGIONAL GEOLOGY  
 Modified After G.S.C.  
 Map 6-1966  
 September 3, 1980

*Donald W. Zuby*

MAP 6-1966  
**FRANCES LAKE**  
 YUKON TERRITORY AND  
 DISTRICT OF MACKENZIE  
 105 H

<u>Formation</u>	<u>Description/Event</u>	<u>Age</u>
	(Metamorphic effects as a result of folding, faulting and related tectonic activity associated with the granitic intrusives)	
Meta-sediments	Impure quartzite, and related paragneissic and sericitic schist derivatives, marbleized impure limestone, shale and slate, phyllite, pelite	Probably late Paleozoic (?) with possible Cambrian

Structurally, the metasedimentary assemblage trends northwesterly and dips around  $50 - 65^{\circ}$  to the southwest (Figures 5 and 9).



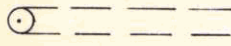

Metamorphism is locally quite intense. Skarn zones, both mineralized and unmineralized are generally in the vicinity of an intrusive contact and are marked by epidote. Most of the calcareous sediments have been altered to skarn.

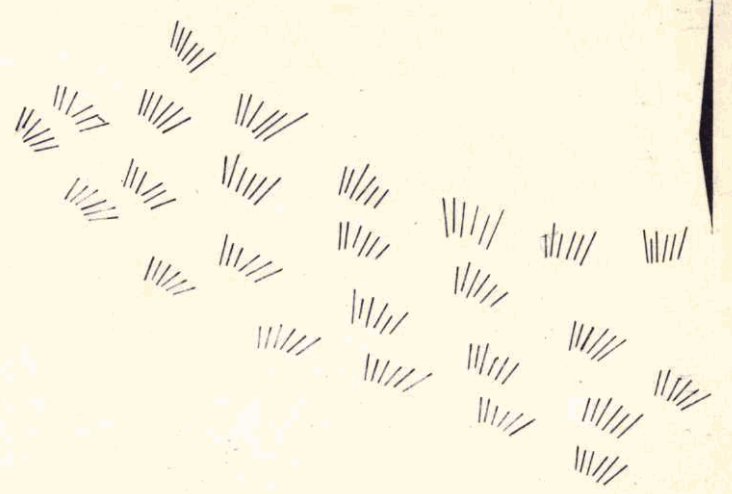
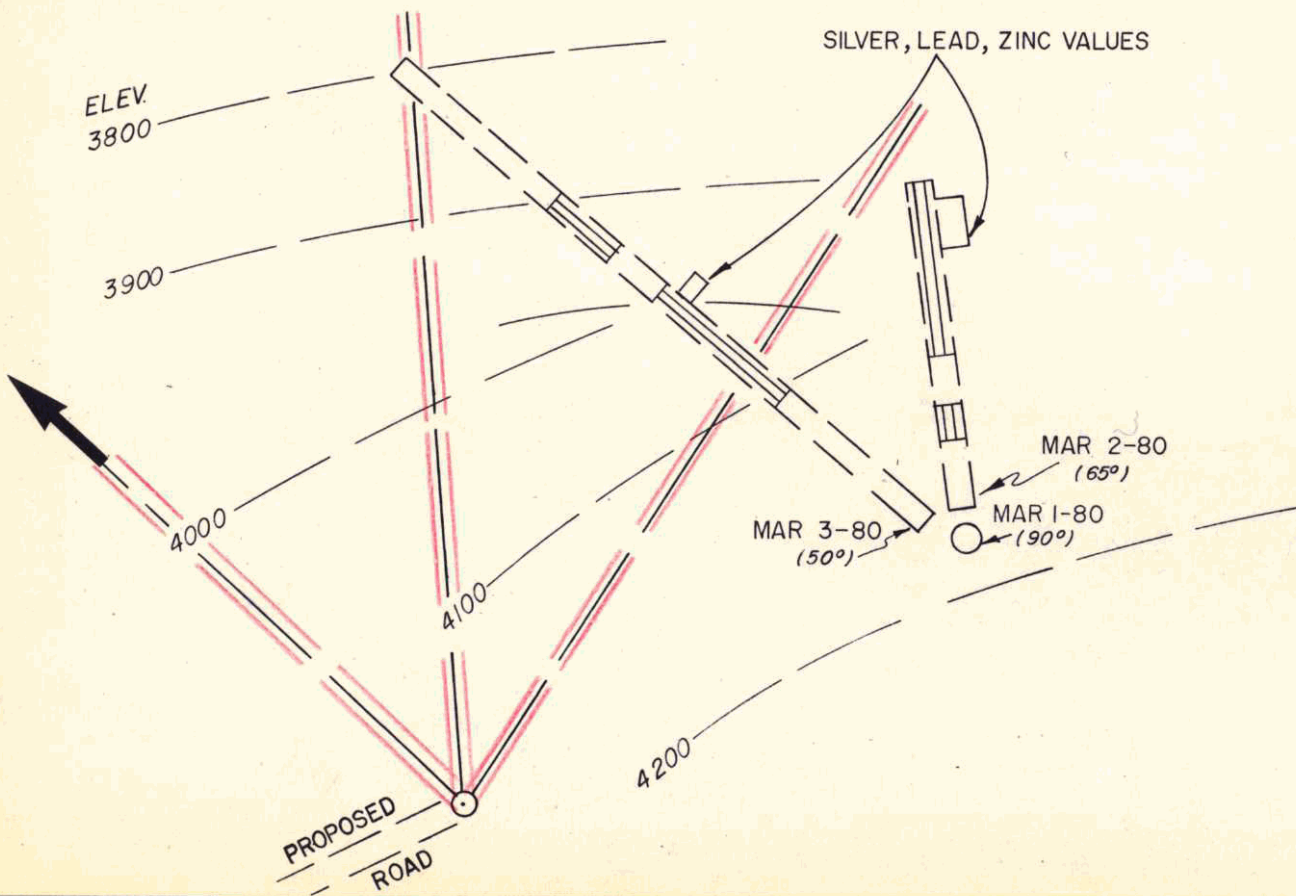
Observations by the writer suggest the lead-zinc, silver mineralization occurs in stratiform habit and the concentrations may well be related to a combination of dragfolding and cross-faulting action opening fractures and fissures particularly in the areas of skarn alteration.

#### RESULTS OF THE 1980 DIAMOND DRILL PROGRAM

Three surface diamond drill holes, totalling 287.04 metres (941.5 feet) of BQ wireline core, were drilled. The holes are shown in plan and section on Figures 6, 7 and 8. The logs of these drill holes are shown in the APPENDIX to this report.

# LEGEND

-  TALUS SLOPE
-  SKARN
-  D.D. HOLE COMPLETED
-  D.D. HOLE PROPOSED



*Donald W. Kelly*

50-65 STRIKE AND DIP FORMATIONS

FIGURE 6

PATMAR RESOURCES CORP.
PLAN OF D.D. HOLES 1-80, 2-80 AND 3-80
SCALE 1cm. = 10m.
SEPTEMBER 3, 1980

The results of the assays of the mineralized sections intersected in the core are summarized as follows:

<u>DDH #</u>	<u>Depth</u>	<u>Dip</u>	<u>Direction</u>	<u>FM</u>	<u>To</u>	<u>Width</u> <u>Metres</u>	<u>Intersection</u>				<u>Remarks</u>
							<u>Au</u> <u>ozs.</u>	<u>Ag</u> <u>ozs.</u>	<u>Zn</u> <u>%</u>	<u>Pb</u> <u>%</u>	
MAR 1-80	37.65m	90°	-	-	-	-	-	-	-	-	Hole lost
MAR 2-80	101.52	65°	350°	78.96 - 80.34	1.38	0.002	1.02	-	-		
				82.44 - 82.77	0.43	0.002	4.80	2.35	3.45		
				90.00 - 91.31	1.31	0.002	0.69	2.49	0.07		
				92.07 - 92.62	0.55	0.002	0.83	2.69	2.81		
				78.96 - 82.77	3.81	Low values in skarn					
86.04 - 92.62	6.58	Low values in skarn									
MAR 3-80	147.87	50°	300°	64.02 - 67.07	3.05	0.002	1.02	1.59	1.46		
				43.29 - 50.00	6.71	Low values in skarn					
				63.41 - 71.34	7.93	Low values in skarn					
				88.87 - 92.07	5.64	Low values in skarn					

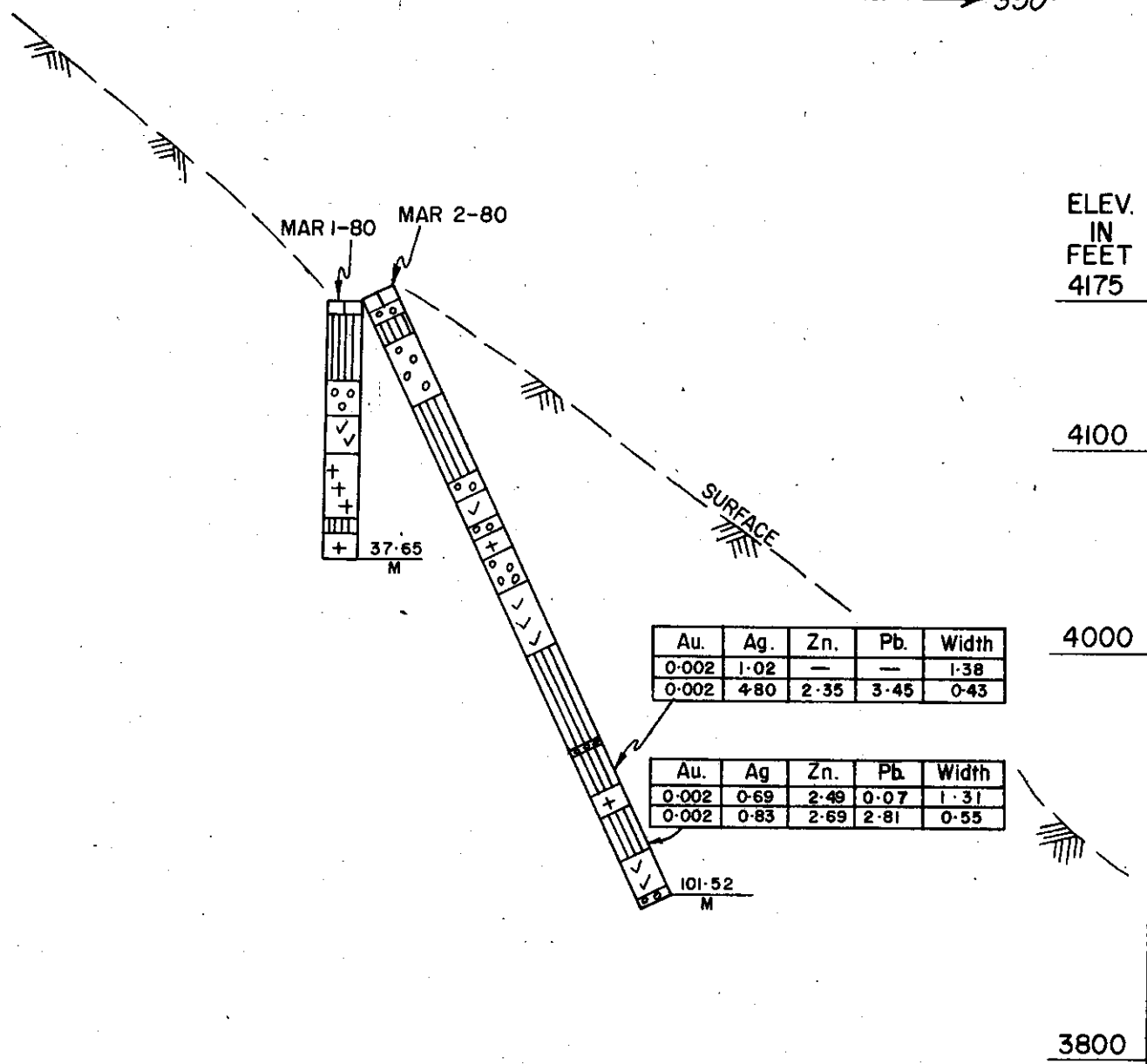
The core width of the skarn zones in diamond drill hole 2-80 represents sections trending across the strike. The rock types dip about 50 - 65° to the south into the hillside. Two substantial skarn zones were intersected in this hole between 18.14 m - 30.06 m (39 feet) and 72.10 m - 93.11 m (69 feet) and both carried low values in all the metals assayed.

Diamond drill hole 3-80 was drilled into the strike of the rock formations.

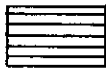
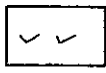
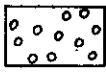
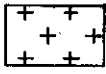
#### RECOMMENDATIONS

It is proposed that a further diamond drill test be performed to explore the zones of silver-lead-zinc bearing skarn for bodies of substantial metal enrichment. The substantial size of the skarn zones which trend westerly across the claim area is encouraging and these may host an economic mass of silver-lead-zinc mineralization under optimum fracture pattern conditions.

→ 350°



**LEGEND**

-  SKARN ZONE
-  F.P AND GRANITE DYKES
-  TUFF AND SILSTONE
-  CONGLOMERATE

*Donald W. Kelly*

FIGURE 7

SECTION THROUGH D.D. HOLE MAR 2-80
LOOKING WEST
SCALE 1cm. = 10m.
SEPTEMBER 3, 1980

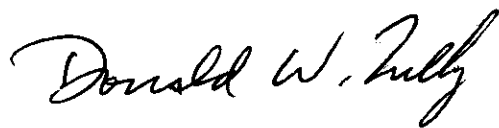
Road access is recommended to a point above and east of the location of holes 1-80, 2-80, 3-80 as shown on Figure 6, and three more diamond drill holes be drilled northward across the strike of the skarn zones as indicated.

ESTIMATED COST OF THE PROPOSED WORK PROGRAM

Road access to elevation about 4,200 feet a.s.l. would require about 1½ kilometres of construction.

(Tractor road - 1½ kilometres @ \$5,000/km)	\$ 7,500
Three BQ core size wireline diamond drilling each 120 metres in length (400 feet each x 3 = 1,200 feet) (1,200 feet x \$52/foot) =	62,400
Supervision, core-handling, assaying, travel and engineering reports	<u>6,000</u>
Estimated total cost	<u><u>\$75,900</u></u>

Respectfully submitted,

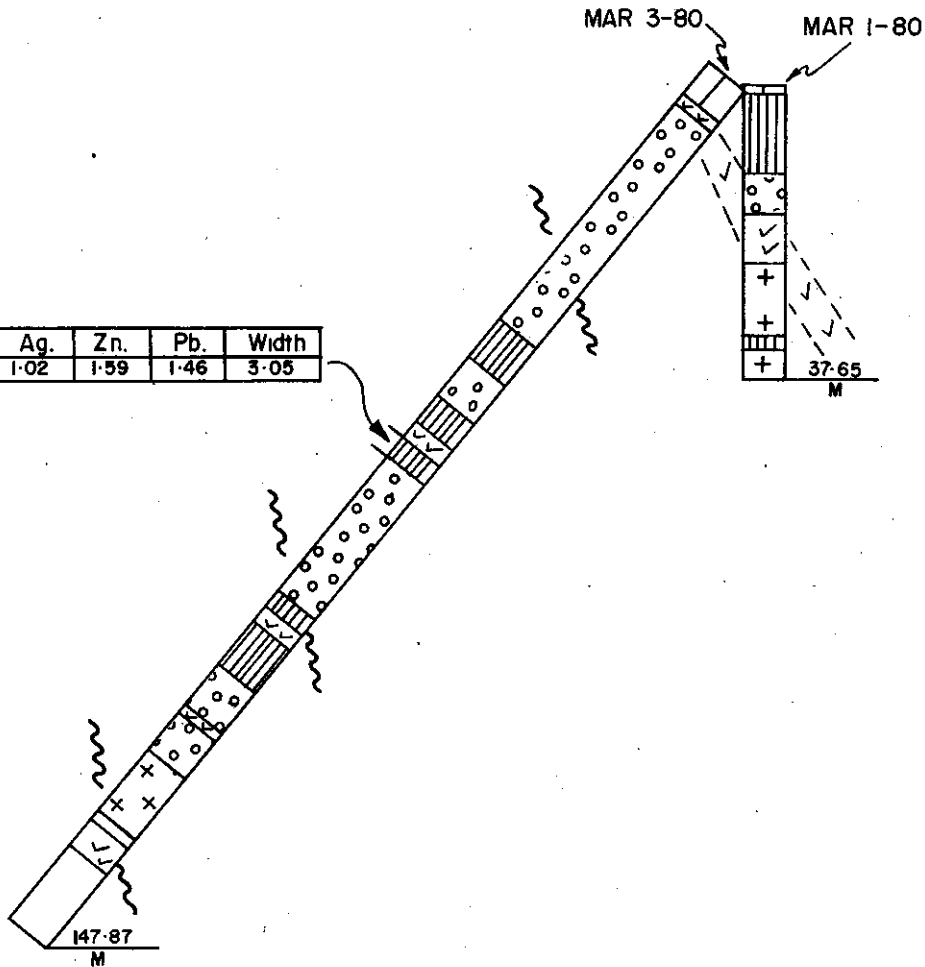


Donald W. Tully, P. Eng.

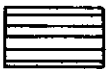
September 3, 1980

→ EAST

Au.	Ag.	Zn.	Pb.	Width
0.002	1.02	1.59	1.46	3.05



### LEGEND



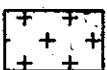
SKARN ZONE



F.P. AND GRANITE DYKES



TUFF AND SILSTONE



CONGLOMERATE



FAULT ZONE

*Donald W. Kelly*

FIGURE 8

SECTION THROUGH  
D.D. HOLE 3-80

LOOKING NORTH

SCALE 1cm. = 10m.

SEPTEMBER 3, 1980

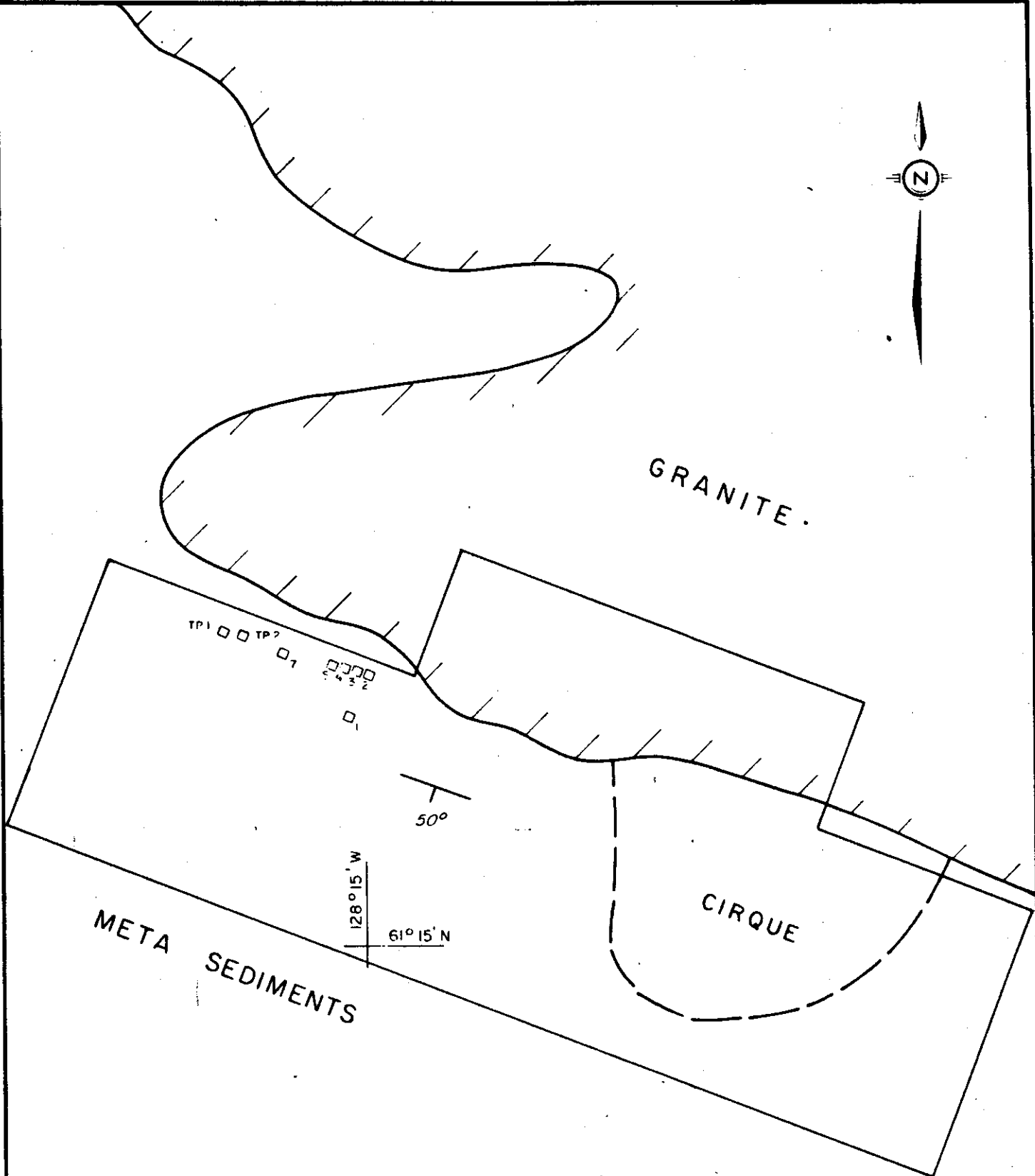


FIGURE 9

PATMAR RESOURCES CORPORATION  
GEOLOGY PLAN

SCALE: 1 inch = 1500 feet

*Donald W. Jolly*

MARINA CLAIM BOUNDARY  
FIGURE  
(AFTER A PLAN IN A REPORT BY J.W. McLEOD B.Sc.)  
DATED September 20, 1978

CERTIFICATE

I, DONALD WILLIAM TULLY, of the City of West Vancouver, Province of British Columbia, hereby certify as follows:

- 1) I am a Consulting Geologist with an office at Suite 102, 2222 Bellevue Avenue, West Vancouver, B.C.
- 2) I am a registered Professional Engineer of the Provinces of British Columbia and Ontario.
- 3) I graduated with a degree of Bachelor of Science, Honours Geology, from McGill University in 1943.
- 4) I have practiced my profession for thirty-five years.
- 5) I have no direct, indirect or contingent interest in the shares of Patmar Resources Corporation or the MARINA No. 1-16 mineral claims, subject of this report, nor do I intend to have any interest.
- 6) This report dated September 3, 1980 is based on personal field examinations I made on August 7-8, 1980, logging the diamond drill core, and from information gathered from available maps and reports.
- 7) Written permission from the author is required to publish this report dated September 3, 1980 in any Prospectus or Statement of Material Facts.

DATED at West Vancouver, Province of British Columbia, this 9th day of September, 1980.

*Donald W. Tully*

Donald W. Tully, P. Eng.,  
Consulting Geologist

A P P E N D I X

DON TULLY ENGINEERING LTD.  
SUITE 102 - 2222 BELLEVUE AVENUE  
WEST VANCOUVER, BRITISH COLUMBIA  
V7V 1C7

HOLE No. MAR 1-80

COMPANY \_\_\_\_\_ PATMAR RESOURCES CORP. \_\_\_\_\_

HOLE DEPTH 37.65m (123.5 ft.)

CORE SIZE Dia .36mm

HOLE DIRECTION

**DIAMOND DRILL CORE LOG - SAMPLE RECORD**

DIP 90 °

CLAIM  
Loc'n  
PROPERTY

collar ELEV. 4,175' PAGE No. 1 of 1

LENGTH IN METRES		DESCRIPTION	MINERALIZATION	SAMPLE No.	ASSAYS						Pb %	WO <sub>3</sub> %
FROM	TO				From	To	Length	AU OZS.	AG OZS.	SN %		
0	1.83	Casing										
	7.01	Tuff, very blocky, rust-filled fractures										
	8.38	Brecciated bluish-grey vein zone + sparse py.		868				0.002	0.05	0.01	0.01	0.04 -
	9.76	Brecciated bluish-grey vein zone + sparse py.		869				0.002	Tr	0.02	0.01	0.02 -
	11.28	Brecciated bluish-grey vein zone + sparse py.		870				0.002	0.17	0.07	0.01	0.11 -
	15.55	Fault zone - very blocky										
	17.23	Tuff, sheared @ 45° c/a										
	18.29	Feldspar porphyry dyke, pink alt. + sparse fine py.			886			0.002	Tr	-	-	- Tr.
	20.73	Feldspar porphyry dyke, pink alt. + sparse fine py.										
	22.71	Tuff, fractured @ 60° c/a, fault @ 22.00										
	24.24	F.P. dyke as above			887			-	-	-	-	- Tr.
	28.05	Tuff, scattered quartz veinlets @ 60° c/a										
	31.40	Tuff, fault zones @ 28.40, 28.70, 31.00										
	34.02	Siltstone + tuff bands + epidote alteration			888			-	-	-	-	- Tr.
	35.24	Epidote zone with quartz veinlets										
	37.65	Siltstone + tuff bands and quartz veinlets										
		(Rods stuck in Hole - Hole Lost)										
		END OF HOLE										

LEGEND

C/A - CORE AXIS

Bx - BRECCIATED

NA - NOT ASSAYED

Dis. - DISSEMINATED

f.g. - fine-grained

py - PYRITE

Mg - MAGNETITE

Pb - GALENA

Zn - SPHALERITE

Po - PYRRHOTITE

CORE Logged by: D.W. Tully, P.Eng.

CORE Split by: Tom Fenton

HOLE STARTED: 23 June, 1980

HOLE FINISHED: 25 June, 1980

HOLE No. MAR 2-80

COMPANY

PATMAR RESOURCES CORPORATION

HOLE DEPTH 101.52m (333 ft.)

CORE SIZE Dia 36 mm

HOLE DIRECTION 350°

## DIAMOND DRILL CORE LOG - SAMPLE RECORD

DIP 65°

CLAIM  
Loc'n  
PROPERTY

collar ELEV. 4175 ft., PAGE No. 1 of 3

LENGTH IN METRES		DESCRIPTION	MINERALIZATION	SAMPLE No.	ASSAYS						Pb %	WO <sub>3</sub> %	
FROM	TO				From	To	Length	AU OZS.	AG OZS.	SN %			CU %
0	2.74	Casing											
	4.27	Tuff, very blocky, rust-filled fractures											
	8.54	Brecciated vein zone (same as in collars Holes 1-80 and 3-80) (2.85m lost core)											
	18.14	Tuff, very blocky, rust-filled fractures @ 30° c/a											
	19.27	Epidote skarn zone + 20 quartz-carbonate veinlets + fine diss. py.		889				-	-	-	-	-	Tr.
	20.73	As above section		890				-	-	-	-	-	Tr.
	22.26	As above section		891				-	-	-	-	-	Tr.
	23.78	As above section		892				-	-	-	-	-	Tr.
	26.52	As above section + pink metacrysts (?)											
	30.06	Brown biotite zone + fine WO <sub>3</sub>		893				-	-	-	-	-	Tr.
	33.63	Siltstone with brown biotite bands + epidote											
	37.80	Feldspar porphyry dyke, pink altered											
	40.24	Mylonitized zone in tuff (fault)											
	42.93	Conglomerate											
	43.29	Skarn zone + epidote with minor WO <sub>3</sub> with m/l		894				-	-	-	-	-	Tr.
	44.15	As above section		895				-	-	-	-	-	Tr.
	49.70	Tuff and siltstone banded @ 60-70° c/a											

LEGEND

C/A - CORE AXIS

Bx - BRECCIATED

N/A - NOT ASSAYED

Diss. - DISSEMINATED

f.g. - fine-grained

m.g. - med. grained

py - PYRITE

Mg - MAGNETITE

Pb - GALENA

Zn - SPHALERITE

Po - PYRRHOTITE

CORE Logged by: D.W. Tully, P.Eng.

CORE Split by: Tom Fenton

HOLE STARTED: June 27, 1980

HOLE FINISHED: July 4, 1980

HOLE No. MAR 2-80

COMPANY            PATMAR RESOURCES CORPORATION

HOLE DEPTH 101.52m (333 ft.)

CORE SIZE Dia 36 mm

HOLE DIRECTION 350°

CLAIM

**DIAMOND DRILL CORE LOG - SAMPLE RECORD**

DIP 65 °

Loc'n

collar ELEV. 4175 ft. PAGE No. 2 of 3

PROPERTY

LENGTH IN METRES		DESCRIPTION	MINERALIZATION	SAMPLE No.	ASSAYS						Pb %	WO <sub>3</sub> %
FROM	TO				From	To	Length	AU OZS.	AG OZS.	SN %		
49.70	59.45	Feldspar porphyry dyke, pink altered (K-spar)										
	70.73	Siltstone - banded @ 50° c/a										
	72.10	Skarn bx zone with sparse fine Zn + py.		896				0.002	Tr	0.01	0.01	0.03 -
	72.87	Skarn zone + epidote + sparse fine Zn + Pb + py.		897				0.002	Tr	0.02	0.02	0.06 Tr.
	73.78	Skarn zone		898				0.002	0.50	0.12	0.03	0.23 -
	75.00	Skarn zone as above section		899				0.002	0.15	0.01	0.01	0.03 -
	76.52	Siltstone + skarn bands + sparse diss. py.		900				0.002	Tr	0.01	0.01	0.05 -
	77.74	Skarn + epidote + f.P. dykes + sparse Zn + py.		901				0.002	0.15	0.25	0.18	0.13 -
	78.96	Skarn zone + epidote + sparse fine seams Zn		902				0.002	0.23	-	-	- -
78.96	80.34	Skarn zone as above section		903			1.38	0.002	1.02	-	-	- Tr.
	81.71	Skarn zone as above section		904				0.002	Tr	-	-	- Tr.
	82.44	Skarn zone as above section		905				-	-	1.66	0.01	0.25 Tr.
82.44	82.87	Skarn zone some Zns + Pbs + py.		906			.43	0.002	4.80	2.35	0.01	3.45 Tr.
	83.84	Conglomerate + diss. fine py.		907				0.002	Tr.	0.04	0.01	0.02 Tr.
	85.15	Conglomerate + diss. fine py.										
	86.04	Skarn zone + epidote + sparse fine Zn. + py.		908				0.002	0.19	0.77	0.01	0.21 Tr.
86.04	87.80	Skarn zone + epidote + sparse fine Zn. + py.		909				0.002	0.72	2.15	0.02	0.45 Tr.
	89.02	Skarn zone + epidote + sparse fine Zn. + py.		910				0.002	0.58	0.47	0.01	0.22 Tr.
	90.00	Skarn zone + epidote + some Zn + Pb + py.		911				0.002	0.83	0.75	0.01	0.31 Tr.

**LEGEND**

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Bx - BRECCIATED

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Diss. - DISSEMINATED

f.g. - fine-grained

m.g. - med. grained

py - PYRITE

Mg - MAGNETITE

Pb - GALENA

Zn - SPHALERITE

Pb - PYRRHOTITE

CORE Logged by: D.W. Tully, P.Eng.

CORE Split by: Tom Fenton

HOLE STARTED: June 27, 1980

HOLE FINISHED: July 4, 1980



HOLE No. MAR 3-80

COMPANY PATMAR RESOURCES CORPORATION

HOLE DEPTH 147.87m (485 ft.)

CORE SIZE Dia. 36 mm

HOLE DIRECTION 300°

CLAIM

Loc'n  
PROPERTY**DIAMOND DRILL CORE LOG - SAMPLE RECORD**

DIP 50°

collar ELEV. 4175 ft. PAGE No. 1 of 3

LENGTH IN METRES		DESCRIPTION	MINERALIZATION	SAMPLE No.	ASSAYS						Pb %	W <sub>3</sub> %
FROM	TO				From	To	Length	AU OZ	AG OZ	SN %		
0	5.18	Casing										
	6.10	Feldepar porphyry dyke, rust-filled fractures										
	7.47	Tuff, rust-filled fractures + quartz veinlets										
	8.78	Tuff, rust-filled fractures + 75% veinlets		840				0.002	Tr	0.01	0.01	0.01 -
	10.15	As above section with 50% quartz veinlets		841				0.002	0.06	0.01	0.01	0.01 -
	12.68	Tuff + skarn, fault zone										
	14.33	Tuff										
	15.43	Tuff (fault zone)										
	21.04	Tuff + siltstone banded @ 45° c/a										
	21.43	Tuff + skarn and quartzite bands @ 50° c/a										
	26.89	Tuff										
	30.79	Tuff banded with siltstone @ 45° c/a										
	31.10	Fault breccia										
	43.29	Tuff + epidote zones and limonite										
	44.66	Skarn zone with abundant epidote + fine py.		842				0.002	0.09	0.40	0.01	0.08 -
	45.73	Skarn zone + feldspar fragments + fine Zn, Pb, Py.		843				0.002	0.13	0.50	0.01	0.47 -
	47.26	As above section + 1 mm seams Zn, Pb, Py.		844				0.002	0.17	0.07	0.01	0.11 -
	48.63	As above section + 1 mm seams Zn, Pb, Py.		845				0.002	0.05	0.25	0.01	0.22 -
	50.00	As above section + 1 mm seams Zn, Pb, Py.		846				0.002	0.05	0.31	0.01	0.25 -

**LEGEND**

C/A - CORE AXIS

Bx - BRECCIATED

NA - NOT ASSAYED

Dis. - DISSEMINATED

f.g. - fine-grained

m.g. - med. grained

py - PYRITE

Mg - MAGNETITE

Pb - GALENA

Zn - SPHALERITE

Po - PYRRHOTITE

CORE Logged by: D.W. Tully, P.Eng.

CORE Split by: Tam Fenton

HOLE STARTED: July 6, 1980

HOLE FINISHED: July 15, 1980

HOLE No. MAR 3-80

COMPANY ~~--- PATMAR RESOURCES CORPORATION ---~~

**DIAMOND DRILL CORE LOG - SAMPLE RECORD**

HOLE DEPTH 147.87m (485 ft.)

CORE SIZE Dia. 36 mm

HOLE DIRECTION 300°

DIP 50°

CLAIM

Loc'n  
PROPERTY

collar ELEV. 4175 ft. PAGE No. 2 of 3

LENGTH IN METRES		DESCRIPTION	MINERALIZATION	SAMPLE No.	ASSAYS						Pb %	WO <sub>3</sub> %	
FROM	TO				From	To	Length M	AU OZ	AG OZ	SN %			CU %
50.00	56.10	Tuff + greenstone + epidote alteration											
	60.58	80% epidote in skarn zone											
	62.16	Feldspar porphyry dyke + bluish quartz veinlets											
	63.41	80% epidote in skarn zone											
	64.02	Tuff + siltstone bands + 15% quartz veinlets + py.		847				0.002	0.19	0.06	0.01	0.03	-
64.02	65.40	As above section + fine seams Zn + Pb + Py		848		1.38		0.002	1.44	3.22	0.01	1.87	-
65.40	66.16	As above section		849		.76		0.002	0.63	3.11	0.01	1.26	-
66.16	67.07	As above section		850		.91		0.002	0.71	1.79	0.01	1.02	-
	68.60	Tuff + agglomerate + diss. py.		851				0.002	0.06	0.05	0.01	0.05	Tr
	69.82	As above section		852				0.002	0.04	0.03	0.01	0.05	Tr
	71.34	As above section		853				0.002	0.05	0.06	0.02	0.03	-
	88.20	Rhyolite Breccia, Bluish-grey f.g.											
	88.87	Tuff + agglomerate with epidote bands + py.		854				0.002	Tr	0.09	0.01	0.05	-
	90.24	As above section with fault at 90.28		855				0.002	0.09	0.08	0.01	0.06	-
90.24	91.16	Skarn + epidote bands, diss. Zn, Pb, Py		856				0.002	0.67	1.68	0.01	1.65	-
91.16	92.07	Skarn + epidote bands, sparse Zn, Pb, Py		857				0.002	0.53	2.34	0.01	2.60	-
	92.68	Feldspar porphyry dyke + epidote alteration											
	93.60	Skarn + agglomerate + epidote + sparse Zn, Pb, Py		858				0.002	0.40	0.77	0.01	0.12	-
	94.51	As above section		859				0.002	0.30	1.58	0.01	0.11	-

**LEGEND**

C/A - CORE AXIS

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m.g. - med. grained

py - PYRITE

Mg - MAGNETITE

Pb - GALENA

Zn - SPHALERITE

Po - PYRRHOTITE

CORE Logged by: D.W. Tully, P.Eng.

CORE Split by: Tom Fenton

HOLE STARTED: July 6, 1980

HOLE FINISHED: July 15, 1980





# General Testing Laboratories

A Division of SGS Supervision Services Inc.

1001 EAST PENDER ST., VANCOUVER, B.C., CANADA, V6A 1W2  
 PHONE (604) 254-1647 TELEX 04-507514 CABLE SUPERVISE

TO:  
 DON TULLY ENGINEERING  
 102 - 2222 Bellvue Avenue  
 West Vancouver, B.C. *Split Core*  
 V7V 1C7  
*PATMAR*

## CERTIFICATE OF ASSAY

No.: 8008-2060      DATE: Sept. 4/80

We hereby certify that the following are the results of assays on:      Ore

MARKED	GOLD	SILVER	Copper	Lead	Zinc	Tungsten	XXX	XXX
	oz/st	oz/st	Cu (%)	Pb (%)	Zn (%)	WO <sub>3</sub> (%)		
840	0.002	trace	0.01	0.01	0.01	-		
841	0.002	0.06	0.01	0.01	0.01	-		
842	0.002	0.09	0.01	0.08	0.40	-		
843	0.002	0.13	0.01	0.47	0.50	-		
844	0.002	0.17	0.01	0.11	0.07	-		
845	0.002	0.05	0.01	0.22	0.25	-		
846	0.002	0.05	0.01	0.25	0.31	-		
847	0.002	0.19	0.01	0.03	0.06	-		
848	0.002	1.44	0.01	1.87	3.22	-		
849	0.002	0.63	0.01	1.26	3.11	-		
850	0.002	0.71	0.01	1.02	1.79	-		
851	0.002	0.06	0.01	0.05	0.05	trace		
852	0.002	0.04	0.01	0.05	0.03	trace		
853	0.002	0.05	0.02	0.03	0.06	-		
854	0.002	trace	0.01	0.05	0.09	-		
855	0.002	0.09	0.01	0.06	0.08	-		
856	0.002	0.67	0.01	1.65	1.68	-		
857	0.002	0.53	0.01	2.60	2.34	-		
858	0.002	0.40	0.01	0.12	0.77	-		
859	0.002	0.30	0.01	0.11	1.58	-		
860	0.002	0.07	0.01	0.06	0.07	-		
861	0.002	0.55	0.01	0.38	0.82	-		
862	0.002	trace	0.01	0.04	0.03	-		
868	0.002	0.05	0.01	0.04	0.01	-		
869	0.002	trace	0.01	0.02	0.02	-		
870	0.002	0.17	0.01	0.11	0.07	-		
886	0.002	trace	-	-	-	trace		
887	-	-	-	-	-	trace		
888	-	-	-	-	-	trace		
889	-	-	-	-	-	trace		
890	-	-	-	-	-	trace		
891	-	-	-	-	-	trace		
892	-	-	-	-	-	trace		
893	-	-	-	-	-	trace		
894	-	-	-	-	-	trace		
895	-	-	-	-	-	trace		

NOTE: REJECTS RETAINED ONE MONTH. PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORE FOR A MAXIMUM OF ONE YEAR.

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*[Signature]*  
 L. WONG      PROVINCIAL ASSAYER

Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers

MEMBER: American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association  
 REFEREE AND OR OFFICIAL CHEMISTS FOR: National Institute of Oilseed Products • The American Oil Chemists' Society  
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(Continued) ... page 2 ....

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We hereby certify that the following are the results of assays on: Ore

MARKED	GOLD	SILVER	Copper	Lead	Zinc	Tungsten	XXX	XXX
	oz/st	oz/st	Cu (%)	Pb (%)	Zn (%)	WO <sub>3</sub> (%)		
896	0.002	trace	0.01	0.03	0.01	-		
897	0.002	trace	0.02	0.06	0.02	trace		
898	0.002	0.50	0.03	0.23	0.12	-		
899	0.002	0.15	0.01	0.03	0.01	-		
900	0.002	trace	0.01	0.05	0.01	-		
901	0.002	0.15	0.18	0.13	0.25	-		
902	0.002	0.23	-	-	-	-		
903	0.002	1.02	-	-	-	trace		
904	0.002	trace	-	-	-	trace		
905	-	-	0.01	0.25	1.66	trace		
906	0.002	4.80	0.01	3.45	2.35	trace		
907	0.002	trace	0.01	0.02	0.04	trace		
908	0.002	0.19	0.01	0.21	0.77	trace		
909	0.002	0.72	0.02	0.45	2.15	trace		
910	0.002	0.58	0.01	0.22	0.47	trace		
911	0.002	0.83	0.01	0.31	0.75	trace		
912	0.002	0.69	0.01	0.07	2.49	trace		
913	0.002	0.35	0.01	0.18	0.73	trace		
914	0.002	0.50	0.09	0.43	0.53	trace		
915	0.002	0.83	0.01	2.81	2.69	trace		
916	0.002	trace	-	-	-	trace		

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 REFEREE AND OR OFFICIAL CHEMISTS FOR: National Institute of Oilseed Products • The American Oil Chemists' Society  
 OFFICIAL WEIGHMASTERS FOR: Vancouver Board Of Trade



P.O. Box 269  
Watson Lake, Yukon  
YOA 1C0

1 April, 1981

Your file    *Votre référence*

Our file    *Notre référence*



REGIONAL DIRECTOR RESOURCES

Attention: Supervising Mining  
Recorder

RESTRICTED

Enclosed for your files are drill logs submitted by Patmar Resources Corporation for assessment on the Marina mineral claims on map 105-H-1/2.

Marina 5 -	MAR 1-80	-	37.65 m.
	MAR 2-80	-	101.52 m.
	Mar 3-80	-	147.87 m.

Assessment Credit requested: \$ 6,400.00

Drill core is being stored on Miko 13 mineral claim.

Yours truly,

Patti L. McLeod,  
Mining Recorder  
Watson Lake Mining District

FLM/fe  
Encl.  
cc: Regional Geologist

090828

