

MINERAL RESOURCES BRANCH

ASSESSMENT REPORT

6725

NO. \_\_\_\_\_

ASSESSMENT REPORT ON  
DIAMOND DRILLING - NICKEL-STAR PROPERTY

NICKEL AND STAR M. C.'s

LIARD M. D.

LAT.:  $58^{\circ} 28'$  N., LONG.:  $128^{\circ} 50'$  W.

N.T.S. 104 I/TW.

September 16 - 21, 1977

OWNER: Magnus Bratlein OPERATOR: D. J. Drilling Co. Ltd.

Vancouver, B. C.

D. H. Brown, P. Eng.

March 9, 1978

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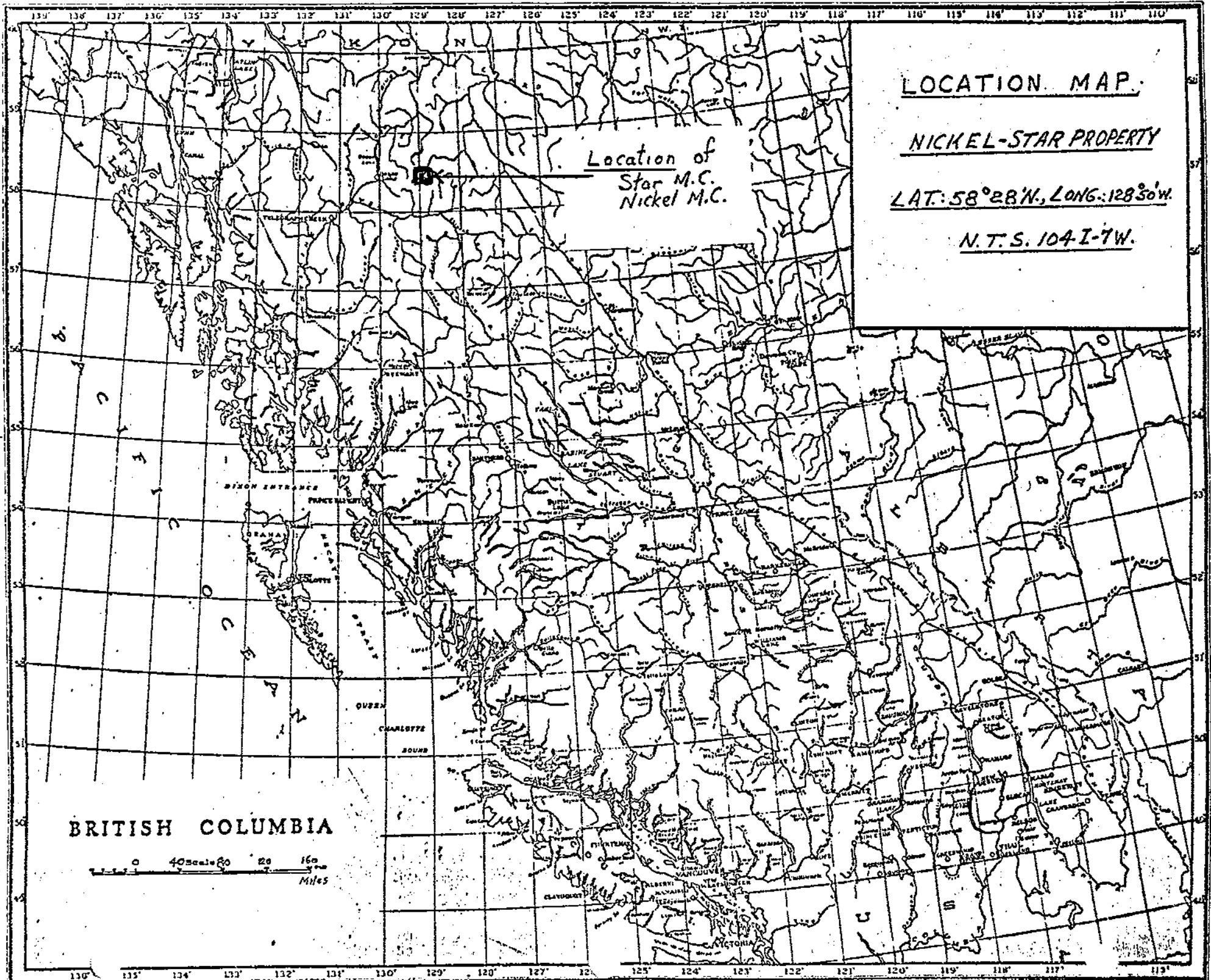
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LOCATION MAP

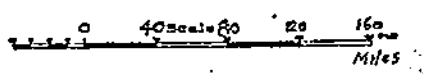
NICKEL-STAR PROPERTY

LAT: 58° 28' N., LONG: 128° 50' W.

N.T.S. 104-I-7W.

Location of  
Star M.C.  
Nickel M.C.

BRITISH COLUMBIA



130° 135° 134° 133° 132° 131° 130° 129° 128° 127° 126° 125° 124° 123° 122° 121° 120° 119° 118° 117° 116° 115° 114° 113° 112° 111° 110°

M 104I/7W

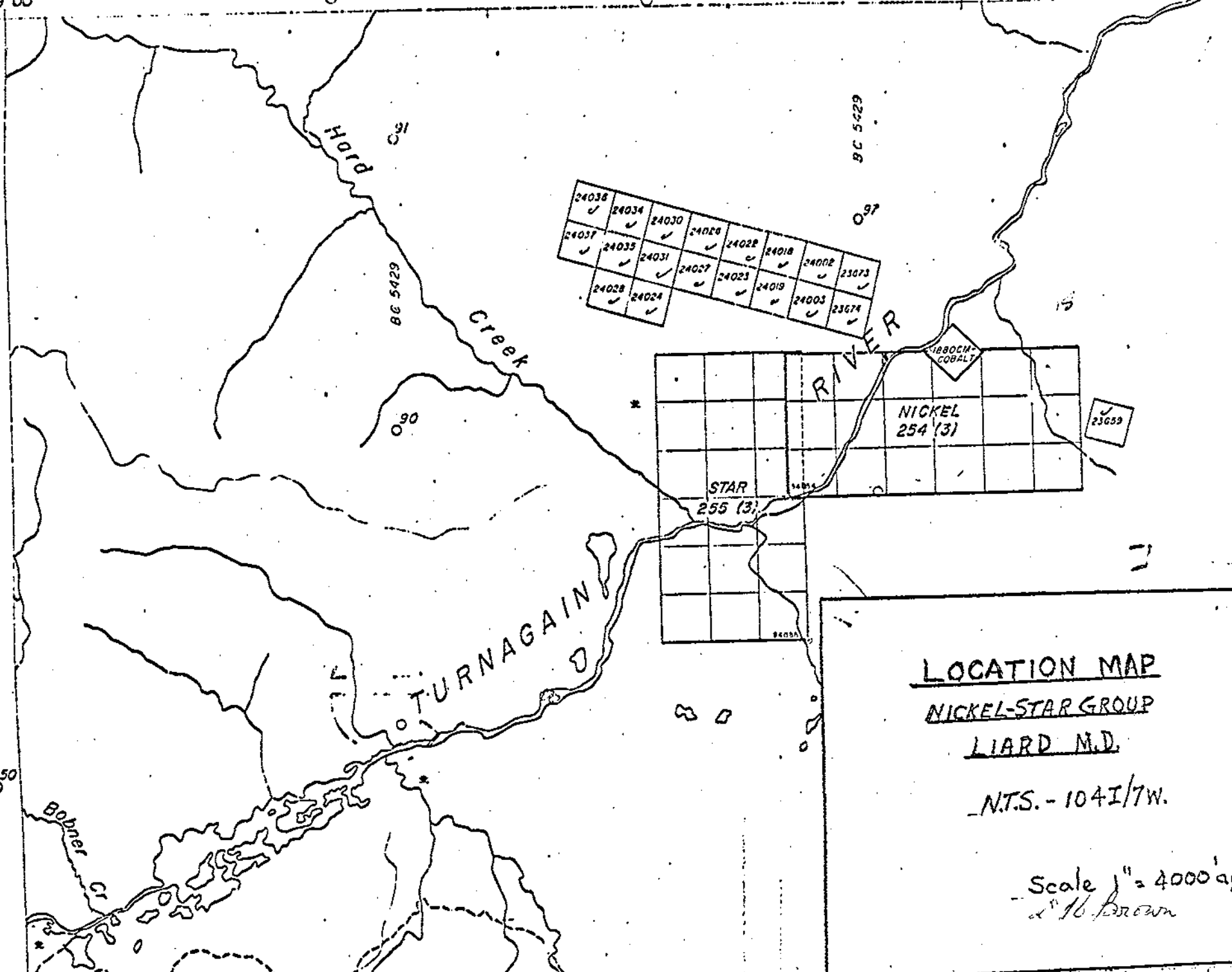
129° 00'

68° 30'

B.C. 55:7

DATE OF PHOTOGRAPHY

1941



LOCATION MAP  
NICKEL-STAR GROUP  
LIARD M.D.  
 -N.T.S. - 104I/7W.  
 Scale 1" = 4000' appr.  
 W. Brown

# ASSESSMENT REPORT ON DIAMOND DRILLING

ON

NICKEL-STAR PROPERTY - Cu.-Ni. PROSPECT

TURNAGAIN RIVER - LIARD M. D.

## INTRODUCTION

The Star and Nickel M. C.'s, Rec. Nos. 254 (3) and 255 (3), were staked February 24 - 26, 1977 to cover claims abandoned by Hard Creek Mines Limited and previously known as the Turnagain Property.

Between September 16 - 21, 1977 three short diamond drill holes totalling 182 ft. were drilled on Nickel M.C., 254 (3), the results of which are being recorded herein and claimed for assessment purposes.

## LOCATION AND ACCESS

The claims are located near the Turnagain River (Lat.: 58° 28' N., Long.: 128° 50' W.) in northern B. C. approximately 40 miles east of the south end of Dease Lake. The claims cover an area ranging in elevation from 3300 ft. at the river to 5000 ft.

Access was by light plane (Beaver) to an airstrip built on the river bank and by helicopter for drill equipment placement.

## GEOLOGY

The ultramafic body underlying the property is a zoned complex composed mainly of dunite, peridotite, pyroxene-rich peridotite and olivine pyroxenite and is sill-like in structure. The contacts between these ultrabasics tend to be gradational and are seldom sharp.

The rocks on either side of the ultrabasic belt are intensely folded schists bounded on the east by the Cassiar Batholith.

#### SCOPE OF DIAMOND DRILL PROGRAM

Two locations near the Turnagain River where stronger-than-usual sulphide mineralization was encountered during prospecting were selected for drill testing.

The drill holes are as follows:

<u>Hole No.</u>	<u>Core Size</u>	<u>Length</u>	<u>Angle</u>	<u>Location</u>
Hole NS77-1	EX	50'	Vert.	Nickel 1 N.E.
Hole NS77-2	EX	52'	-45°S.	Nickel 1 N.E.
Hole NS77-3	EX	80'	Vert.	Nickel 3E. 3N.

The drilling was done using a Pack-sack diamond drill with EX rods and bits. The work was carried out by a driller and helper employed by D. J. Drilling Co. Ltd. The core from NS77-1 and 77-2 is stored in core boxes in the core racks at the camp near the airstrip. The core for NS77-3 is stored in core boxes at the NS77-3 drill-site. The core was logged by J. Schussler, a qualified prospector with many years' experience in the Liard M.D. and in the immediate vicinity of the Nickel-Star property.

#### ASSESSMENT APPLICATION AND COSTS USED

As required by the Regulations Governing Assessment Work under the Mineral Act of B. C. (1975), enclosed are: location plans, copies of drill logs and financial statements itemizing the drilling costs. D. J. Drilling Co. Ltd. did the drilling and is the Operator paying for the work done.

#### CONCLUSIONS

None of the three short holes drilled intersected significant amounts of copper-nickel mineralization.

*W. Brown*

March 9, 1978

The Mining Recorder,  
Liard Mining Division,  
Victoria, B. C.  
V8V 1X4

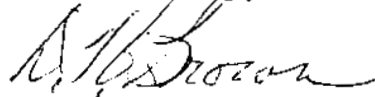
Dear Sir:

This is to certify that the diamond drilling claimed in the accompanying report was done by D. J. Drilling Co. Ltd., of 13135 - 20th Ave., Surrey, B. C., a licenced diamond drill operator.

The drilling program reported in this assessment report was supervised by J. Schussler, a qualified prospector with years of experience in the ultramafic belt of the Liard M.D.

I, D. H. Brown, B.A.Sc., P. Eng. am a graduate of the University of B. C., and am a member in good standing of the Association of Professional Engineers of B. C.

Yours sincerely,



D. H. Brown, P. Eng.

APPENDIX A

STATEMENT OF COSTS

Transportation

Airfare - Vanc. - Watson Lake & return - 2 men	\$	480.00
Fixed Wing (Beaver) - Watson L. - Property - 2 trips		800.00
Helicopter - Dease L. - Property - 2 trips		700.00
Truck with equipment, supplies - Watson L. - Dease L.		400.00
Hotel and meals enroute - 2 men		240.00

Labor

Driller	6 x \$120.80/da.	\$ 724.80	
Helper	6 x \$110.60/da.	<u>663.60</u>	1,388.40

Board and Camp	12 x \$15.00/da.		180.00
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Drill Rental and Diamond Cost

Drill rental - 6 days		480.00	
Bits: Cost less recovery		<u>1,200.00</u>	<u>1,680.00</u>

\$ 5,868.40

*M.H.B.*



APPENDIX B

DRILL CORE LOGS

Hole NS77-1

Hole NS77-2

Hole NS77-3

Location

Nickel 1 N.E.

Nickel 1 N.E.

Nickel 3E. 3N.



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

	COST
Supporting report to be mailed within two weeks	\$ 5,868.40
<b>D. GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL</b> (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.)	
<b>TOTAL OF C AND D</b>	

Who paid for the above-described work? Name D. J. Drilling Co. Ltd.  
 Address 13135 - 20th Ave.,  
Surrey, B. C.

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. _____	
<b>TOTAL WITHDRAWAL</b>	
<b>TOTAL OF C AND (OR) D PLUS PAC WITHDRAWAL</b>	

I wish to apply \$ 3,600.00 of this work to the claims listed below.  
 (State number of years to be applied to each claim and its month of record.)  
1 year each to Nickel M.C. (18 U.) and to Star M.C. (18 U.) 36 x \$100. = \$ 3,600.00

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.)

In owner(s) name.	Name	AMOUNT
1. <u>Magnus Brathien</u>	<u>MB</u>	\$
2. _____		
3. _____		
In operator(s) name (person paying for the work).		
1. <u>D. J. Drilling Co. Limited</u>		\$ 2,268.40
2. _____		
3. _____		

D.H. Brown  
 (Signature of Applicant)



STAR M.C. 255(3)

o N.S.77-3

RIVER

TURNAGAIN



APPR.

NICKEL M.C.  
254(3)

NS77-1  
LP 34054 NS77-2

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**6725**  
NO. \_\_\_\_\_

DRILL HOLE PLAN  
NICKEL-STAR GROUP  
N.T.S. 104I/7W.  
Scale: 10 cm. = 500m.  
*L. B. Brown* MAR. 1978

DIAMOND DRILL LOG

LOCATION Nickel M.C., Unit I N.E., 300'E., 50'N. BEARING \_\_\_\_\_ HOLE NO. NS77-1

LOGGED BY J. Schussler ELEVATION 3325 DIP -90° PROPERTY Nickel-Star

STARTED Sept. 16, 1977 TESTS (CORRECTED) \_\_\_\_\_

FINISHED Sept. 17, 1977

CASING \_\_\_\_\_

CORE SIZE EX

FROM	TO	DESCRIPTION
0	24.	Fine grained, medium grey ultrabasic with less than 1% finely disseminated sulphides.
24.	40	Medium grained, black to dark grey peridotite with disseminated pyrrhotite averaging less than 2% of rock.
40	50	Fine grained, medium grey ultrabasic rock which contains less than 1% pyrrhotite.
END OF HOLE.		
<i>M. Brown</i>		

DIAMOND DRILL LOG

LOCATION Nickel M.C., Unit I NE, 300'E., 50'N. BEARING South HOLE NO. NS77-2

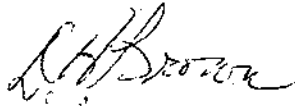
LOGGED BY J. Schussler ELEVATION 3325' DIP -45° PROPERTY Nickel-Star

STARTED September 17, 1977 TESTS (CORRECTED)

FINISHED September 18, 1977

CASING \_\_\_\_\_

CORE SIZE EX

FROM	TO	DESCRIPTION
0	2	Loose rock
2	29	Fine grained, medium grey ultrabasic rock with less than 1% finely disseminated sulphides.
29	45	Medium grained, black to dark grey peridotite with disseminated pyrrhotite averaging less than 2% of rock.
45	52	Fine grained, medium grey ultrabasic rock with less than 1% finely disseminated sulphides.
END OF HOLE.		
		

DIAMOND DRILL LOG

LOCATION Nickel M.C., Unit 3E, 3N, N.W. Corner BEARING - HOLE NO. NS77-3

LOGGED BY J. Schussler ELEVATION 3300' DIP Vert. PROPERTY Nickel-Star

STARTED Sept. 19, 1977 TESTS (CORRECTED)

FINISHED Sept. 21, 1977

CASING \_\_\_\_\_

CORE SIZE EX

FROM	TO	DESCRIPTION
0	2.	Overburden
2	50.	Fine to medium grained, medium to dark grey ultrabasic rock with irregularly disseminated sulphides. Average sulphide content - 2%.
50.	80	Medium grained, medium grey granular ultrabasic rock with narrow serpentine seams. Sulphide content less than 1%.
END OF HOLE.		
