

RECONNAISSANCE GEOCHEMICAL REPORT

on the

Ni Claim Groups

Harrison Lake Area

(49° 121° N.W.)

by

N.W. BERG, B.Sc. (Physics)

endorsed by

W.E. CLARKE, B.Sc., P.Eng.

for

GIANT EXPLORATIONS LIMITED (N.P.L.)

1131 Melville Street,

Vancouver 5, B.C.

October 31, 1971

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT

NO. 3442 MAP

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MAPS (in back)

No. 1-0	Sample and Claim Locations
No. 2-0	Sample and Claim Locations
No. 3-0	Sample and Claim Locations
No. 1-N	P.P.M. Nickel
No. 2-N	P.P.M. Nickel
No. 3-N	P.P.M. Nickel
No. 1-C	P.P.M. Copper
No. 2-C	P.P.M. Copper
No. 3-C	P.P.M. Copper

## INTRODUCTION

Giant Explorations Limited (N.P.L.) has been carrying out a comprehensive exploration program in the region lying between Harrison Lake on the west and Emory Creek on the east. Areas of detailed geological, geochemical, and geophysical work have been previously reported on in the June 9 and September 10 reports by the author.

This report covers three areas where reconnaissance geochemical surveys were carried out (see maps 1-0, 2-0, 3-0).

### Map Area 1-0

The area sampled consists of the southwest slope of Settler Creek Valley and a 10 claim area on the north slope of Cogburn Creek. The area is heavily timbered and soil cover is thick in the valley bottom with little outcrop. The upper slopes have extensive areas of outcrop and talus.

### Map Area 2-0

The area sampled consists of the headwater area of Emory, Garnet, and Cogburn Creeks. The lower slopes are covered with dense bush and scrub timber with moderate soil cover. The upper slopes are meadow covered with a thin soil layer.

Map Area 3-0

The area sampled consists of the peaks and upper slopes of Mount Parker and Mount McNair. Most of the area lies above the timber line with a very thin soil cover.

PROPERTY (on which work has been done)Map 1-0

Ni 230	Record No.	22268
Ni 232	"	22270
Ni 272-280 incl.	"	22033-22040
Ni 300-315 "	"	24095-24110
Ni 390-393 "	"	24708-24711
Ni 398-403 "	"	24584-24589
Ni 406-407 "	"	24592-24593
Ni 594-596 "	"	24646-24648
Ni 611-618	"	24663-24668, 24489-24490

Map 2-0

Ni 157-164 incl.	Record No.	22233-22240
Ni 166	"	22273
Ni 168	"	22274
Ni 170	"	22275
Ni 175-196 incl.	"	22276-22297
Ni 199-218 "	"	22241-22260
Ni 474-485 "	"	24477-24488
Ni 488-495 "	"	24638-24645

Map 3-0

Ni 505-507	Record No.	24615-24617 incl.
Ni 508-509	"	24738, 24618
Ni 520	"	24739
Ni 521	"	24619
Ni 522	"	24740
Ni 523	"	24620
Ni 524	"	24741
Ni 525	"	24621
Ni 526	"	24742
Ni 527	"	24622

Map 3-0 cont'd

Ni 530-531 incl.	Record No.	24743-24744 incl.
Ni 532	"	24623
Ni 533-535 incl.	"	24745-24747 incl.
Ni 536-553 "	"	24669-24686 "
Ni 543-546 "	"	24748, 24749, 24624, 24625
Ni 547-548 "	"	24750-24751 incl.
Ni 549-550 "	"	24752-24753 "

GEOLOGY

Late Paleozoic, Chilliwack Group, metamorphosed sedimentary and volcanic rocks underlie the Settler Creek Valley intruded by a large body of pyroxenite on the west side of the valley. Similar rock types underlie map area 2-0 with pyroxenites occurring as small isolated bodies. Diorite is present to the east on the south slopes of Mount Baird. Metamorphics are common on the north slope of Mount McNair. To the south of the peak diorite and pyroxenite intrude the metamorphics. Mount Parker is underlain by diorite except to the southwest where meta-sediments are present.

GEOCHEMICAL SURVEY

Geochemical samples were taken at approximately 200 ft. intervals along contour elevations spaced 400 vertical ft. apart. The B soil horizon was sampled using a mattock for trenching. The samples were placed in Kraft wet strength envelopes using a trowel. All sample locations were flagged with numbered ribbon. Thommen altimeters and 1:50,000 government

topographic maps were used for survey control.

Fraser Laboratories Ltd., 1175 West 15th Street, North Vancouver, B.C., assayed the samples according to the following procedure: One half gram of -80 mesh fraction was digested with nitric and perchloric acid. The samples were heated until the perchloric acid was consumed. This was followed by bulking the sample to standard volume. Values for nickel and copper were then determined using an atomic absorption spectrometer.

PERSONNEL

The geochemical sampling program was carried out by Mr. P. Plicka, B.Sc. (Geology), and Mr. J.W. Morton, B.Sc. (Geology), under the general supervision of the author.

<u>Name and Address</u>	<u>Date Employed</u>	<u>Days worked and wage rates</u>	<u>Amount paid</u>
P. Plicka 2594 Triumph St., Vancouver, B.C.	Sep.7 to Oct.30	44@ 34.00/day	\$1,496.00
J.W. Morton, 3529 West 22nd St., Vancouver, B.C.	Sep.7 to Oct.30	36@ 32.00/day	1,152.00
G. Smith, 1447 Barclay St., Vancouver 5, B.C.	Sep.7 to Oct.30	44@ 22.00/day	968.00
R. Graham, 1751 Glastonburn Rd., Victoria, B.C.	Sep.7 to Oct.30	36@ 22.00/day	796.00
L. Charlton, 17494 - 64 Ave., Surrey, B.C.	Sep.22 to Oct.13	16@ 20.00/day	320.00

PERSONNEL - cont'd

<u>Name and Address</u>	<u>Date Employed</u>	<u>Days worked and wage rates</u>	<u>Amount Paid</u>
G. Turnbull, General Delivery, Port Alice, B.C.	Sep.7 to Oct. 7	23@ 22.00/day	\$704.00
M. Hamill, 4 Roselace St., Calgary, Alberta	Sep.7 to Oct. 6	19@ 22.00/day	418.00
J. Scott, 910 Handsworth Dr., North Vancouver, B.C.	Sep.7 to Oct. 6	19@ 22.00/day	418.00
L. Skalicky, 478 East 3rd Ave., Vancouver, B.C.	Sep.7 to Oct. 7	23@ 25.00/day	704.00
TOTAL AMOUNT PAID:			<u>\$6,976.00</u>

EXPENDITURES

Reconnaissance - September 7 to October 31, 1971

Labour (see personnel summary)	\$6,976.00
Camp operation and accommodation	3,400.00
Assaying (1569 geochemical samples at 1:00/sample)	1,569.00
Vehicle operation ( Land transport	\$1,022.00
( Helicopter transp.	<u>5,580.00</u>
(	\$6,602.00
Engineering supplies	<u>542.00</u>

\$19,089.00

Percentage applicable to each map area:

Map No. 1-0	28%	\$5,345.00
Map No. 2-0	44%	8,399.00
Map No. 3-0	28%	<u>5,345.00</u>
		<u>\$19,089.00</u>


CERTIFICATE

I, N.W. Berg, of the City of Vancouver in the Province of British Columbia certify

1. That I am engaged in work as an Exploration Manager and reside at #1101, 1920 Alberni Street, Vancouver 5, B.C.
2. That I am a graduate of the University of British Columbia with Bachelor of Science degree in Physics
3. That I have practised as an Exploration Manager for two years
4. That I am presently employed by Giant Mascot Mines Limited.

DATED October 31, 1971

Signed:



N.W. Berg, B.Sc.  
Exploration Manager



Submitted on behalf of

GIANT EXPLORATIONS LIMITED (N.P.L.)

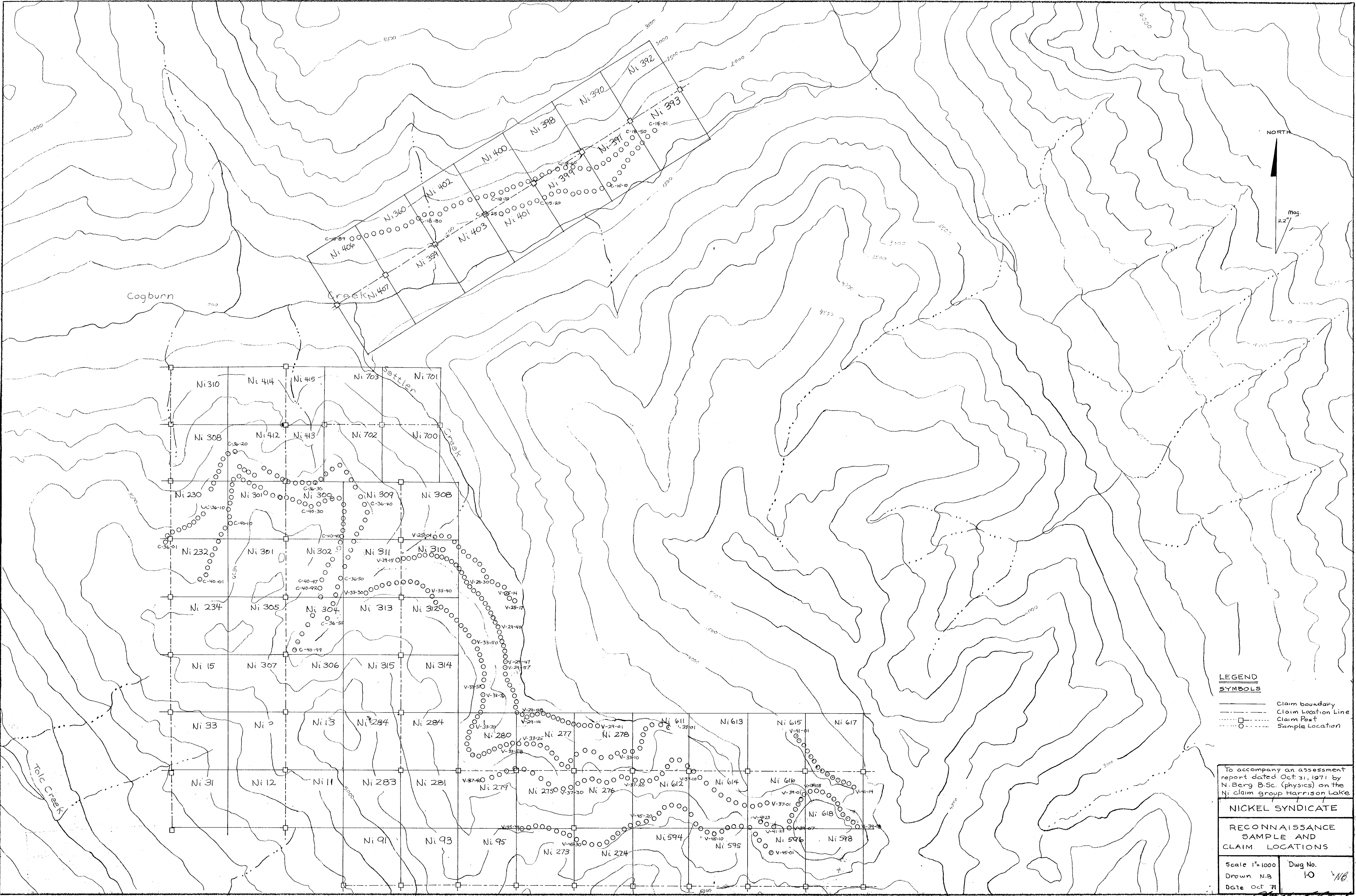
*Norman W. Berg*

N.W. Berg, B.Sc.  
Exploration Manager

Endorsed by:

*Walter E. Clarke*

W.E. Clarke, B.Sc., P.Eng.



NORTH

Mag. 22°

**LEGEND**  
**SYMBOLS**

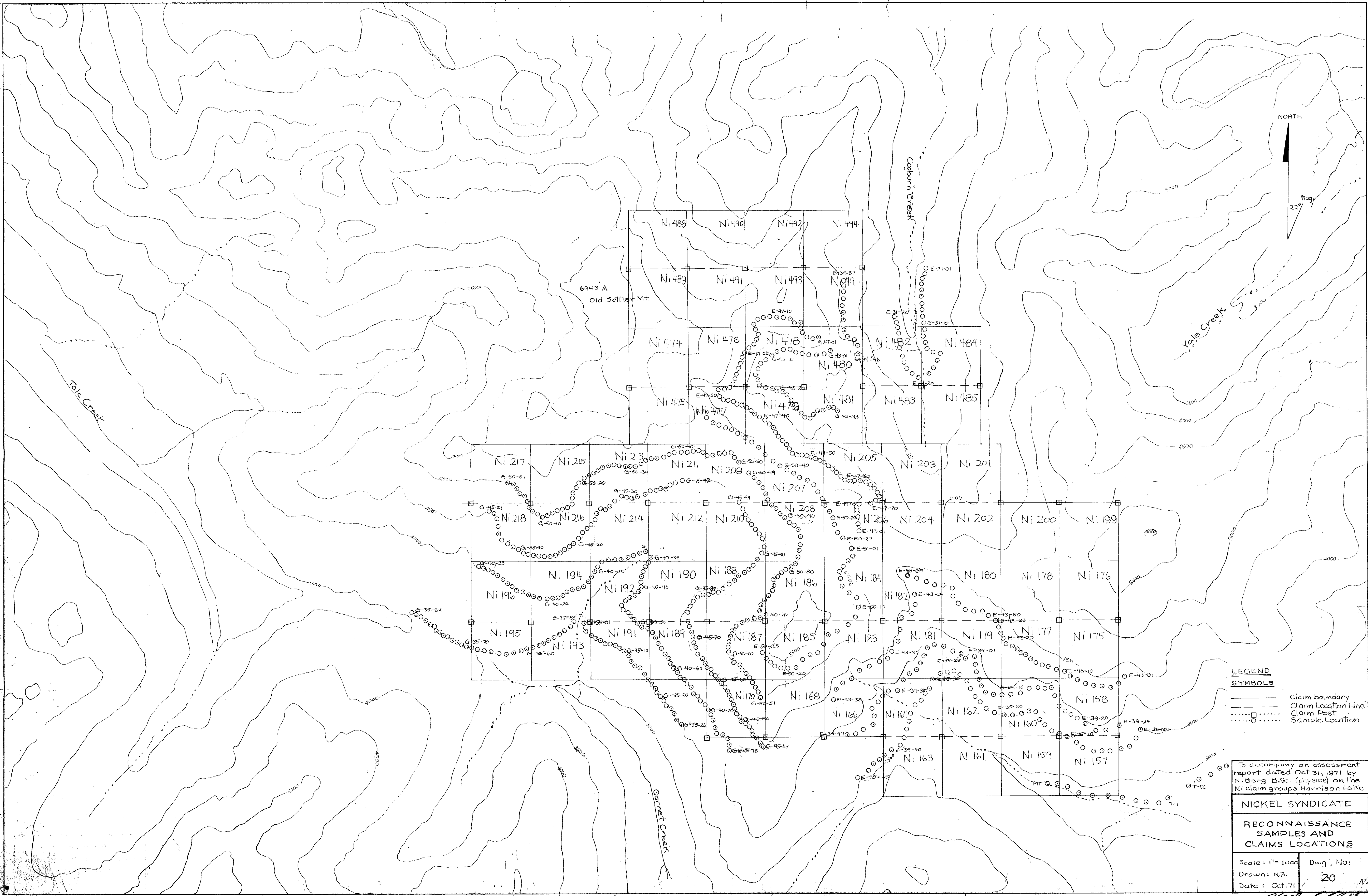
- Claim boundary
- - - Claim Location Line
- Claim Post
- Sample Location

To accompany an assessment report dated Oct 31, 1971 by N. Berg B.Sc. (physics) on the Ni claim group Harrison Lake

**NICKEL SYNDICATE**  
**RECONNAISSANCE**  
**SAMPLE AND**  
**CLAIM LOCATIONS**

Scale 1"=1000 Dwg No. 10  
Drawn N.B. Date Oct 71

*Walter H. Clark*



NORTH

Mag  
22°

6943 Δ  
Old Settler Mt.

- LEGEND**  
**SYMBOLS**
- Claim boundary
  - - - Claim Location Line
  - Claim Post
  - Sample Location

To accompany an assessment report dated Oct 31, 1971 by N. Berg B.Sc. (physics) on the Ni claim groups Harrison Lake

**NICKEL SYNDICATE**  
**RECONNAISSANCE**  
**SAMPLES AND**  
**CLAIMS LOCATIONS**

Scale: 1" = 1000'      Dwg. No: 20  
 Drawn: N.B.  
 Date: Oct. 71

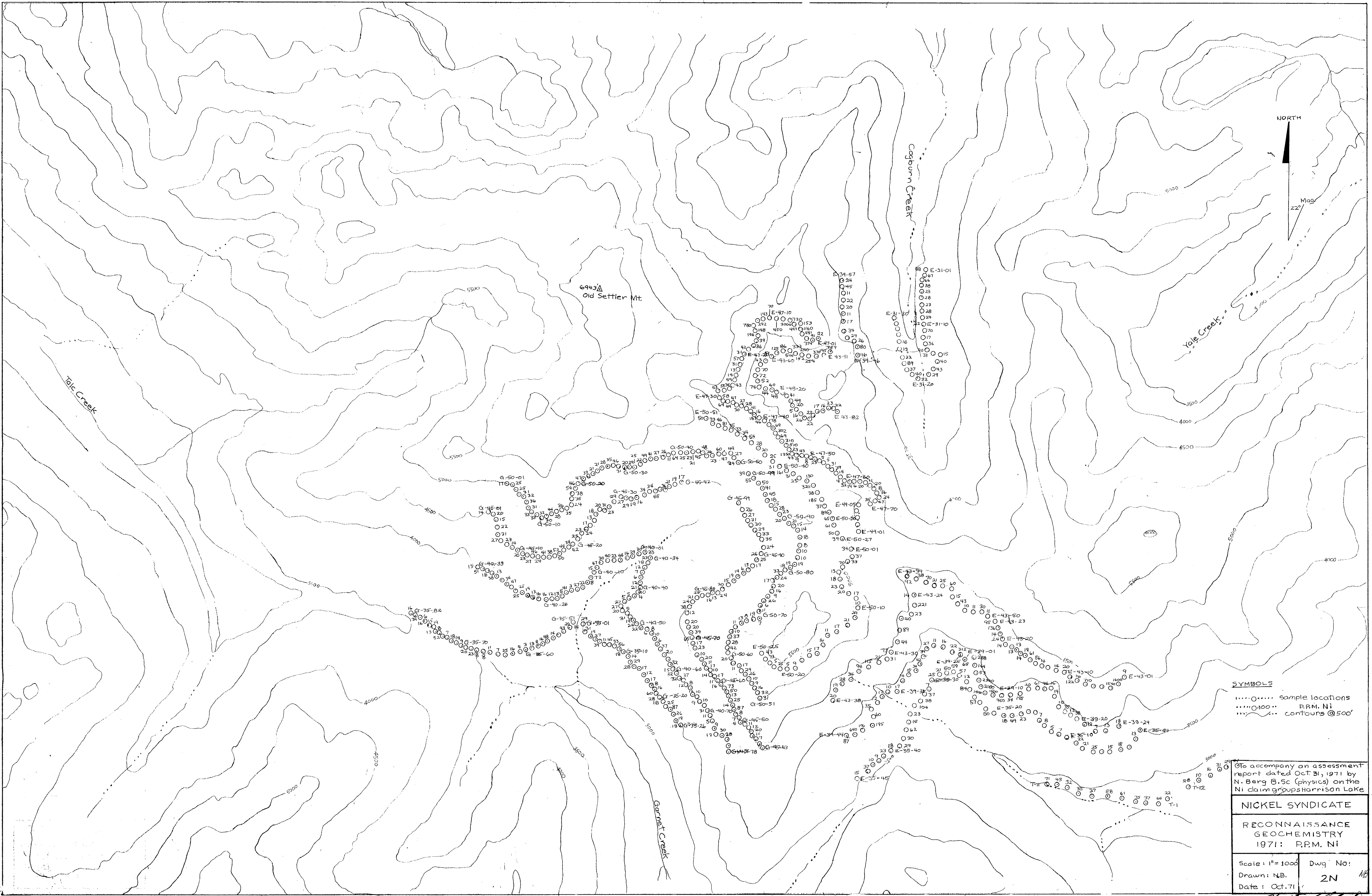
*Walter S. Clark*











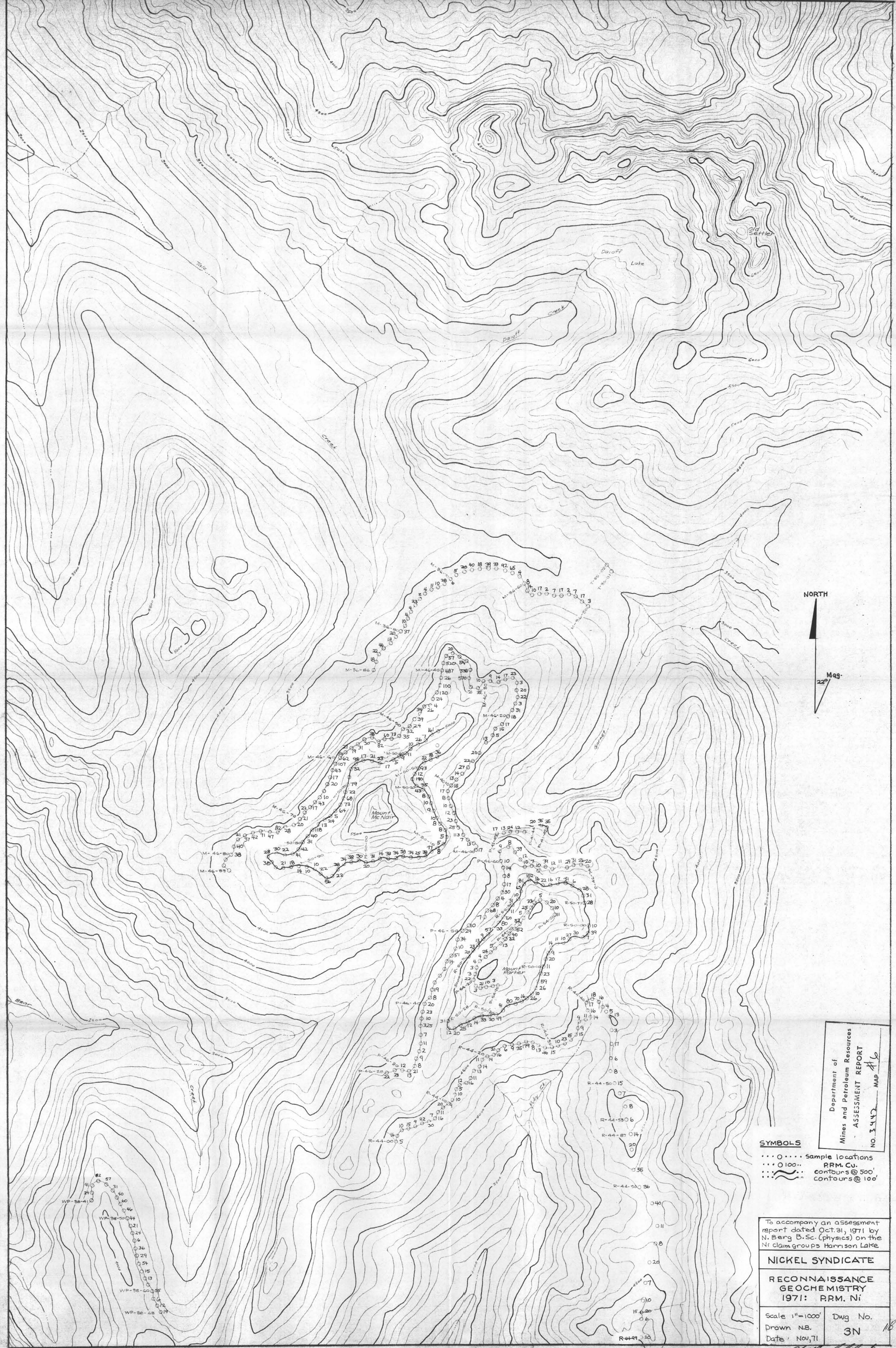
**SYMBOLS**  
 ○ sample locations  
 ○100 P.P.M. Ni  
 --- contours @500'

to accompany an assessment report dated Oct. 31, 1971 by N. Berg B.Sc (physics) on the Ni claim groups Harrison Lake

<b>NICKEL SYNDICATE</b>	
RECONNAISSANCE GEOCHEMISTRY 1971: P.P.M. Ni	
Scale: 1"=1000'	Dwg No:
Drawn: N.B.	2N
Date: Oct. 71	

*North to Clarke*





Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 3442 MAP #16

- SYMBOLS**
- Sample locations
  - P.P.M. Cu.
  - contours @ 50'
  - contours @ 100'

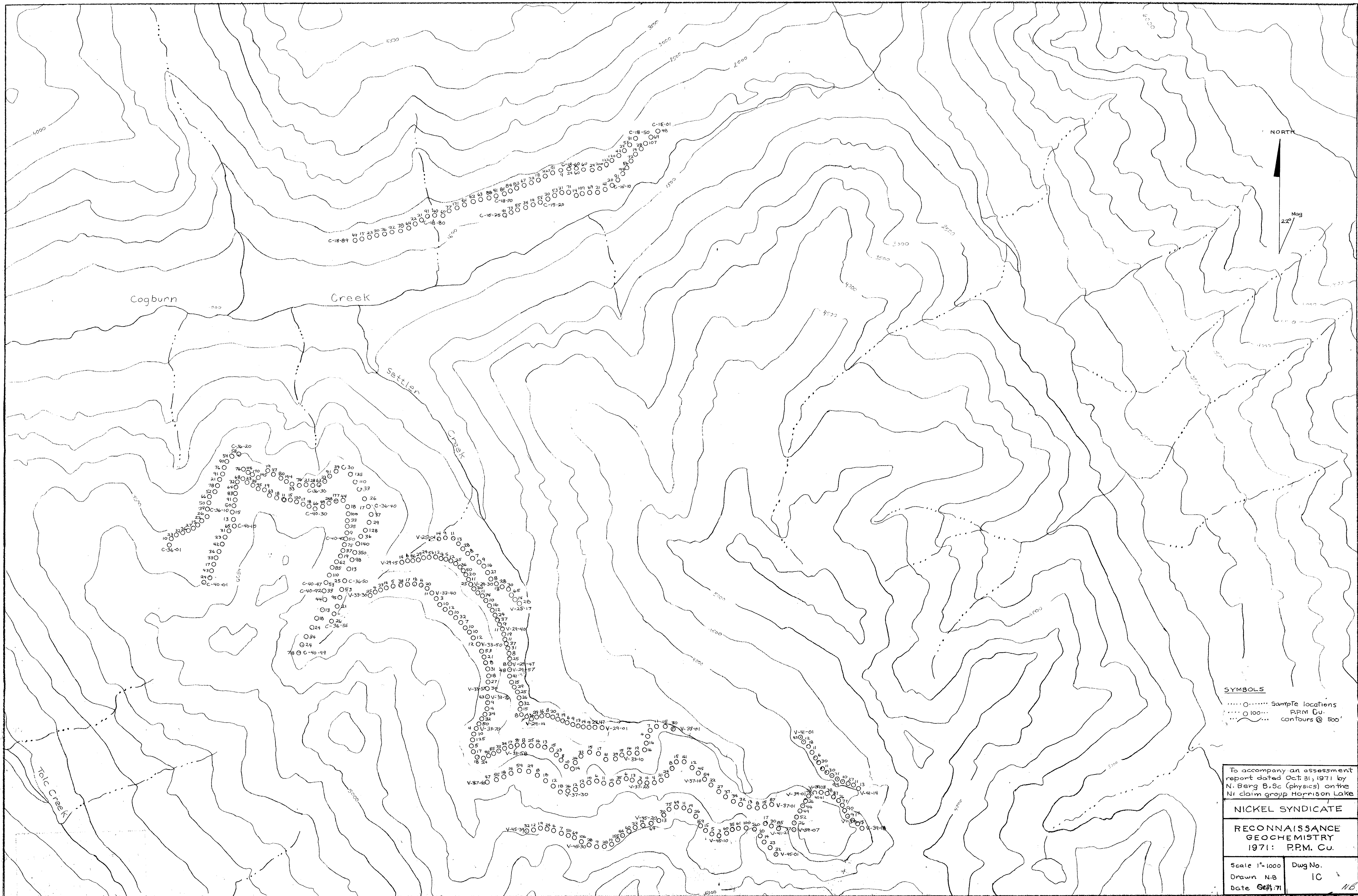
To accompany an assessment report dated Oct. 31, 1971 by N. Berg B.Sc. (physics) on the Ni claim groups Harrison Lake

**NICKEL SYNDICATE**  
**RECONNAISSANCE GEOCHEMISTRY**  
**1971: P.P.M. Ni**

Scale 1"=1000' Dwg No.  
Drawn N.B. 3N  
Date: Nov, 71

*Walter S. ...*





**SYMBOLS**  
 ○ Sample locations  
 ○ PPM Cu  
 --- contours @ 500'

To accompany an assessment report dated Oct 31, 1971 by N. Berg B.Sc (physics) on the Ni claim group Harrison Lake

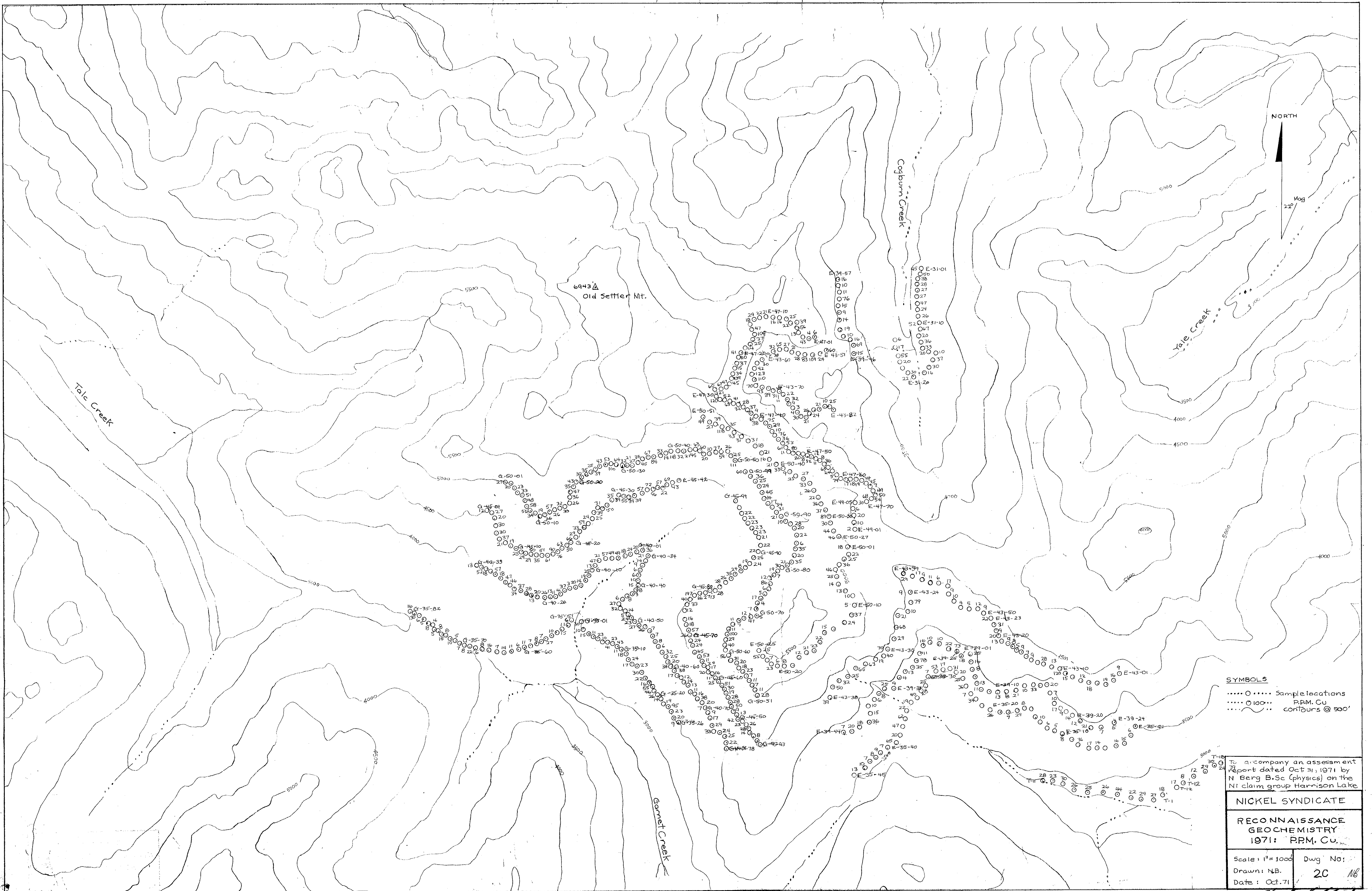
**NICKEL SYNDICATE**

**RECONNAISSANCE GEOCHEMISTRY 1971: P.P.M. Cu.**

Scale 1"=1000	Dwg No.
Drawn N.B	IC
Date Sept 71	

*Mellor & Clark*





**SYMBOLS**  
 ..... O ..... Sample locations  
 ..... O ..... PPM. Cu  
 ..... Contours @ 500'

To a company an assessment  
 Report dated Oct 31, 1971 by  
 N Berg B.Sc (physics) on the  
 Ni claim group Harrison Lake

**NICKEL SYNDICATE**

**RECONNAISSANCE  
 GEOCHEMISTRY  
 1971: PPM. Cu**

Scale: 1" = 1000'	Dwg. No:
Drawn: NB.	2C NB
Date: Oct. 71	

*Wally S. Black*





Department of  
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ASSESSMENT REPORT  
NO. 35492 MAP 1

**SYMBOLS**  
 ..... Sample locations  
 ..... PRM. CU.  
 ..... contours @ 500'  
 ..... contours @ 100'

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**NICKEL SYNDICATE**  
**RECONNAISSANCE GEOCHEMISTRY**  
**1971: P.P.M. CU.**

Scale 1"=1000'	Dwg No
Drawn N.B.	3C
Date Sept	1971

*Walter G. Lott*