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OROFINO RESOURCES LIMITED

GEOCHEMICAL SURVEY REPORT

ON

CLAIMS 756360 AND 756361

Silk Township

Porcupine Mining Division, Ontario

by

KIM T. PHAM, B.A.Sc.

Timmins, Ontario
October 1, 1987

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INTRODUCTION

During the period of August 6, 1987 to August 8, 1987 a geochemical survey was carried out on the two claims (756360 and 756361) in Silk Township, Porcupine Mining Division, Ontario.

Soil and humus samples were collected and sent off for analysis forAu concentration (in ppb's) by Bondar Clegg, Ottawa.

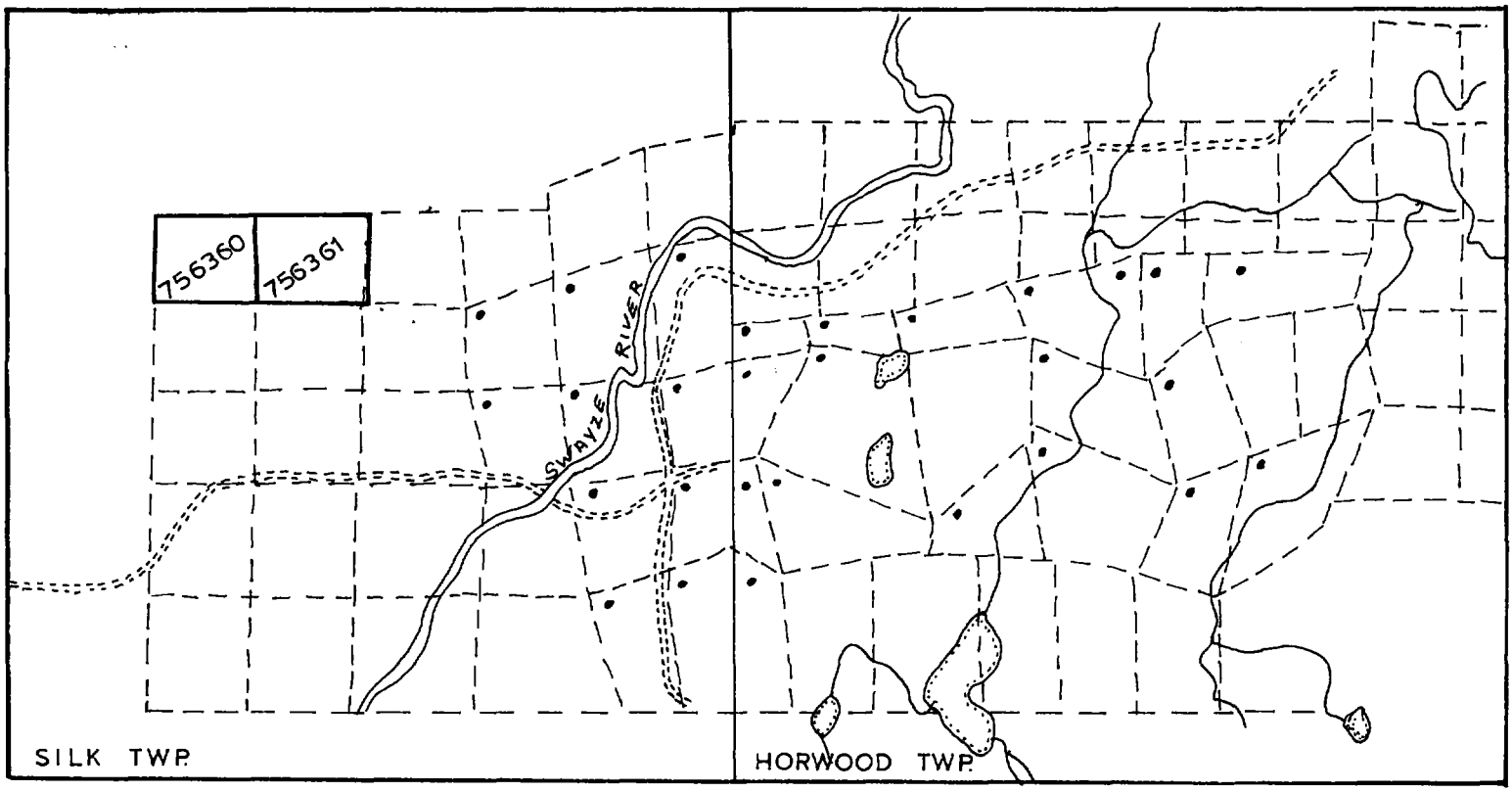
LOCATION AND ACCESS

Calims 756360 and 756361 tie on to the northwest corner of the West Gauvreau Group (23 claims) Project 780. Access to these claims is gained by proceeding north for one-half mile along the well-blazed west boundary of the Orofino claim groups in southeast Silk Township, Porcupine Mining Division from its intersection with theWolf Road (Mile 7). The Wolf Road turns off easterly from the LeSage Road, 30 miles south of its intersection with highway 101 West, near Ivanhoe Lake.

THE SURVEY

The survey was carried out at 100 foot intervals on pace-and-compass lines spacing 400 feet apart. (See Fig.2) Soil and auger and grubhoes were used to collect samples. Du to differences in topographic relief of the area, the soil horizon at some places, especially in swampy section, is deeply buried

FIGURE 1



LEGEND:
• PATENT CLAIMS

OROFINO RESOURCES LIMITED
SWAYZE GOLD — PROJECT 422
CLAIM LOCATION
SCALE: 1"=31,680

under thick layers (often more than 3 feet) of humus and/or clay. In such cases, humus samples were taken. Flagging tapes, carrying sample numbers, were left at sample locations.

THE NATURE OF THE SOIL AND THE HUMUS HORIZONS

In general, the orange-red soil horizon is well developed in hilly areas where mixed vegetation of poplar, birch, maple and spruce are predominant, whereas the thin layer (1 to 2 inches) of black humus is concentrated in swampy or low relief areas where alder and cedar are abundant.

There is a thick layer of greyish, sandy material intercalated between the humus and the soil horizons. The leached layer appears to be depleted of metals and at certain locations, it even has a milky white colour. This horizon is, therefore, not suitable for sampling.

In the field, care was taken to avoid mixing between horizons, thus dilution of samples was minimized.

After the samples were air-dried, they were shipped to Bondar-Clegg Ltd. Ottawa. The samples were analyzed for Au (in ppb's). The results are attached to this report (Appendix 1). Technical information regarding the analytical method can be found in Appendix 1.

DISCUSSION OF RESULTS

The Au assay results failed to delineate significant area of anomalous values. This failure might be partly attributable to the transported nature of the glacial overburden that has a complex history. Most of the assay results have less than 5 ppb of gold, therefore, it is not possible to attempt an unbiased geostatistical study of the data.

The first five humus samples on L0+00 have relatively high ppb values. This part of the property is covered by spruce swamp and heavy moss. There are two possible reasons for high ppb values obtained in this section: (1) contamination and (2) gold-bearing solution is concentrated by hydromorphic movement at depth, this could be further assisted by the high absorbant capacity of the moss covering the area.

To confirm one of the two above hypothesis, duplicated samples should be retaken at all high valued sites and at the same time re-runs of the pulverized humus (Bondar-Clegg still has this in storage) should be conducted. Comparison of data can then justify further work.

At the present time, no further geochemical survey pertaining to soil sampling is warranted.

CERTIFICATE

I, Kim TienDung Pham, hereby certify that I:

1. Reside at #204-95 Jameson Avenue; Toronto, Ontario

2. Graduated from the University of Toronto with a Bachelor of Applied Science degree in Geological Engineering in May 1987.

3. Have been working since May 1987 as a geologist for Orofino Resources Limited.

4. All statements in this report are factual.

K. PHAM, B.A.Sc.

Bondar-Clegg & Company Ltd.
5420 Canotek Rd., ...
Ottawa, Ontario,
Canada K1...
Phone: (61... ...-2220
Telex: 053-3233

BONDAR-CLEGG

Geochemical Lab Report

APPENDIX 1

REPORT: 017-4326 (COMPLETE)

REFERENCE INFO:

CLIENT: OROFINO RESOURCES LTD.
PROJECT: 422

SOIL SAMPLING

SUBMITTED BY: T. PHAM
DATE PRINTED: 25-SEP-87

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold	42	5 PPB	AQUA REGIA	FA-AA @ 10 gm weight

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
SOIL	42	-80	42	DRY,SIEVE -80	42

REMARKS: < MEANS LESS THAN.

REPORT COPIES TO: G. HARPER
W. GILMAN

INVOICE TO: G. HARPER

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Ottawa, Ontario,
Canada K 5
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Geochemical Lab Report

REPORT: 017-4326 | PROJECT: 422 | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	SAMPLE NUMBER	ELEMENT UNITS	Au PPB
KPGM-27		35	KPGM-88		<5
KPGM-33		5	KPGM-89		<5
KPGM-40		5			
KPGM-41		<5			
KPGM-42		10			
KPGM-43		<5			
KPGM-44		<5			
KPGM-45		<5			
KPGM-46		5			
KPGM-47		<5			
KPGM-52		<5			
KPGM-53		<5			
KPGM-54		<5			
KPGM-55		<5			
KPGM-56		5			
KPGM-57		<5			
KPGM-58		10			
KPGM-59		<5			
KPGM-60		<5			
KPGM-61		10			
KPGM-62		<5			
KPGM-63		<5			
KPGM-67		<5			
KPGM-68		<5			
KPGM-69		<5			
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KPGM-76		<5			
KPGM-77		<5			
KPGM-78		<5			
KPGM-79		<5			
KPGM-81		<5			
KPGM-82		<5			
KPGM-83		<5			
KPGM-86		<5			
KPGM-87		<5			

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Telex: 053-3233

BONDAR-CLEGG

Geochemical Lab Report

APPENDIX 2

REPORT: 017-4327 (COMPLETE)

REFERENCE INFO:

CLIENT: OROFINO RESOURCES LTD.
PROJECT: 422

SUBMITTED BY: T. PHAM
DATE PRINTED: 25-SEP-87

HUMUS SAMPLING

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au Gold	48	1 PPB	AQUA REGIA	FireAssay/DC Plasma
2	Testwt Fire Assay Test Wt.	48	0.01 gms		

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
ORGANIC OR HUMUS	48	-80	48	DRY,SIEVE -80	48

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W. GILMAN

INVOICE TO: G. HARPER

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Ottawa, Ontario,
Canada K [illegible] S
Phone: (6[illegible]9-2220
Telex: 053-3233

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 017-4327 | PROJECT: 422 | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Testwt gms	SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Testwt gms
KPGM-1		14	4.00	KPGM-51		4	6.24
KPGM-2		41	1.00	KPGM-64		5	3.79
KPGM-3		21	1.00	KPGM-65		1	10.00
KPGM-4		15	2.00	KPGM-66		4	3.90
KPGM-5		13	3.00	KPGM-80		<1	10.00
KPGM-6		6	4.00	KPGM-84		<1	7.50
KPGM-7		6	4.00	KPGM-85		2	5.00
KPGM-8		3	5.00	KPGM-90		<1	7.00
KPGM-9		1	5.00				
KPGM-10		4	4.00				
KPGM-11		<1	10.00				
KPGM-12		<1	8.00				
KPGM-13		<1	6.00				
KPGM-14		87	3.00				
KPGM-15		<1	4.00				
KPGM-16		<1	10.00				
KPGM-17		3	3.00				
KPGM-18		<1	8.00				
KPGM-19		<1	4.00				
KPGM-20		<1	1.00				
KPGM-21		<1	20.00				
KPGM-22		<1	6.00				
KPGM-23		6	3.00				
KPGM-24		<1	10.00				
KPGM-25		7	5.00				
KPGM-26		2	10.00				
KPGM-28		12	2.69				
KPGM-29		<1	10.00				
KPGM-30		2	9.00				
KPGM-31		5	4.00				
KPGM-32		<1	6.00				
KPGM-34		4	6.00				
KPGM-35		<1	7.00				
KPGM-36		<1	2.80				
KPGM-37		3	8.00				
KPGM-38		3	10.00				
KPGM-39		3	10.00				
KPGM-48		4	3.10				
KPGM-49		27	1.92				
KPGM-50		6	2.92				

Ministry of Northern Development and Mines
Ontario

Report of Work
(Geophysical, Geological, Geochemical and Expenditures)

W8706-302

41016NW0053 2.10639 SILK

900

Type of Survey(s)	Township or Area
GEOCHEMICAL	Silk Township

Claim Holder(s)	Prospector's Licence No.
Orofino Resources Limited	T-931

Address: Suite 2701; Box 143; 1 First Canadian Place; Toronot, Ontario M5X 1C7

Survey Company	Date of Survey (from & to)	Total Miles of line Cut
Orofino Personnel	6 / 8 / 87 – 8 / 8 / 87	----

Name and Address of Author (of Geo-Technical report): Kim T. Pham; #204-95 Jameson Ave., Toronto, Ontario, M6K 2X1

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical	
	- Electromagnetic	
For each additional survey: using the same grid: Enter 20 days (for each)	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	20

Man Days		Days per Claim
Complete reverse side and enter total(s) here	Geophysical	
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

RECEIVED DEC 22 1987 MINING LANDS SECTION

Expenditures (excludes power stripping)

Type of Work Performed:

Performed on Claim(s):

Calculation of Expenditure Days Credits

Total Expenditures $ ____ ÷ 15 = Total Days Credits ____

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Mining Claims Traversed (List in numerical sequence)

Prefix	Number	Expend. Days Cr.
P	756360	
	756361	

RECORDED DEC 07 1987

Total number of mining claims covered by this report of work: 2

Date	Recorded Holder or Agent (Signature)
December 4/87	Warren F. Gilman

For Office Use Only

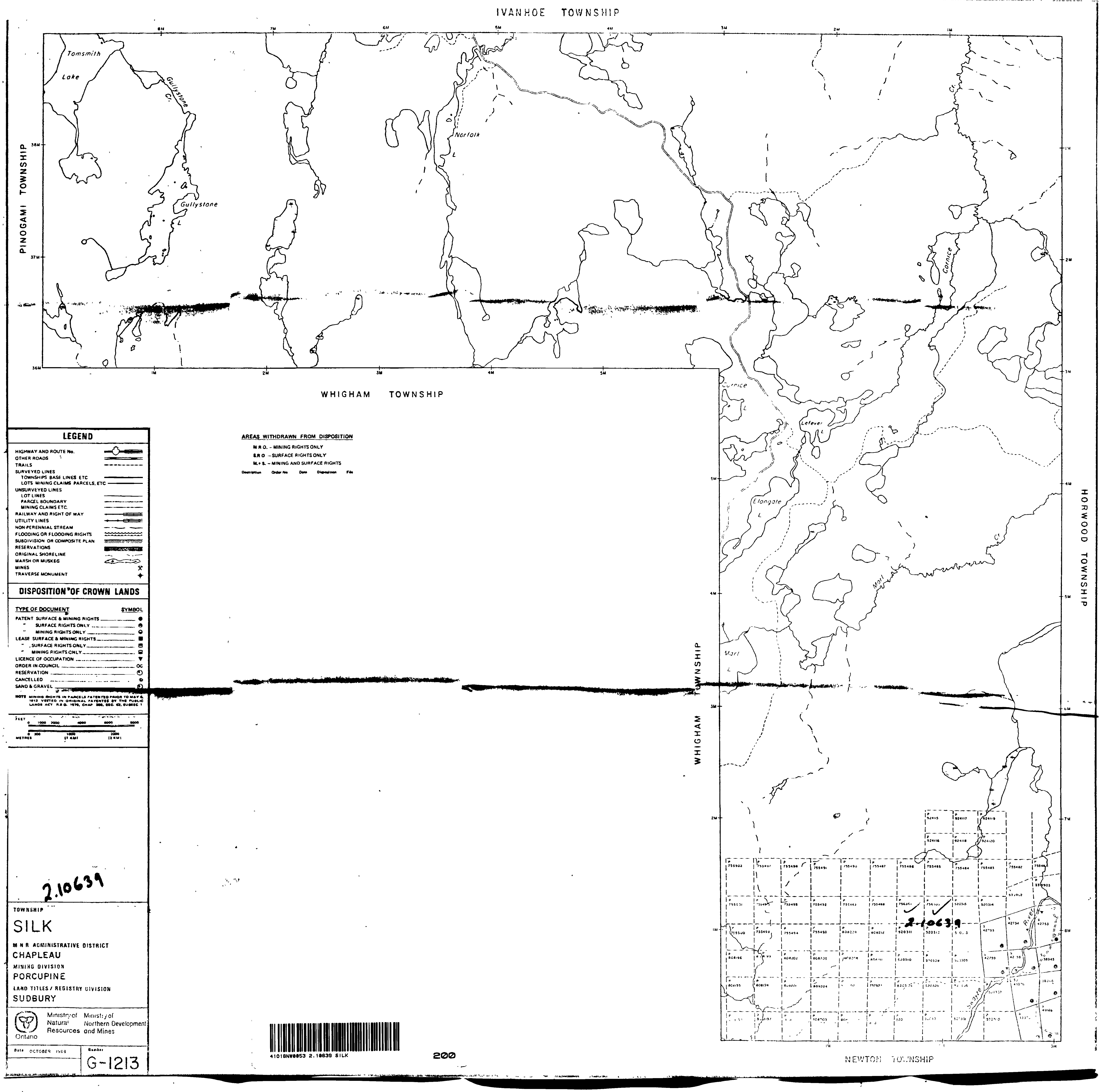
Total Days Cr. Recorded	Date Recorded	Mining Recorder
40	Dec. 7/87	[signature]
	Date Approved as Recorded: 28 Dec 87	Branch Director: [signature]

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying:
Kim T. Pham #204-95 Jameson Ave.
Toronto, Ontario M6K 2X1

Date Certified	Certified by (Signature)
October 2, 1987	K. PHAM



AREAS WITHDRAWN FROM DISPOSITION

M R O. – MINING RIGHTS ONLY
S.R O – SURFACE RIGHTS ONLY
M.+ S. – MINING AND SURFACE RIGHTS

Description	Order No	Date	Disposition	File

LEGEND

HIGHWAY AND ROUTE No.
OTHER ROADS
TRAILS
SURVEYED LINES
TOWNSHIPS BASE LINES ETC
LOTS MINING CLAIMS PARCELS, ETC
UNSURVEYED LINES
LOT LINES
PARCEL BOUNDARY
MINING CLAIMS ETC.
RAILWAY AND RIGHT OF WAY
UTILITY LINES
NON-PERENNIAL STREAM
FLOODING OR FLOODING RIGHTS
SUBDIVISION OR COMPOSITE PLAN
RESERVATIONS
ORIGINAL SHORELINE
MARSH OR MUSKEG
MINES
TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	◒
" MINING RIGHTS ONLY	◓
LEASE SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	⬒
" MINING RIGHTS ONLY	⬓
LICENCE OF OCCUPATION	▼
ORDER IN-COUNCIL	OC
RESERVATION	⊙
CANCELLED	⊕
SAND & GRAVEL	◐

NOTE MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913 VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT R.S.O. 1970, CHAP 380, SEC. 63, SUBSEC 1

FEET 0 1000 2000 4000 6000 8000
0 200 1000 (1 KM) 2000 (2 KM) METRES

2.10639

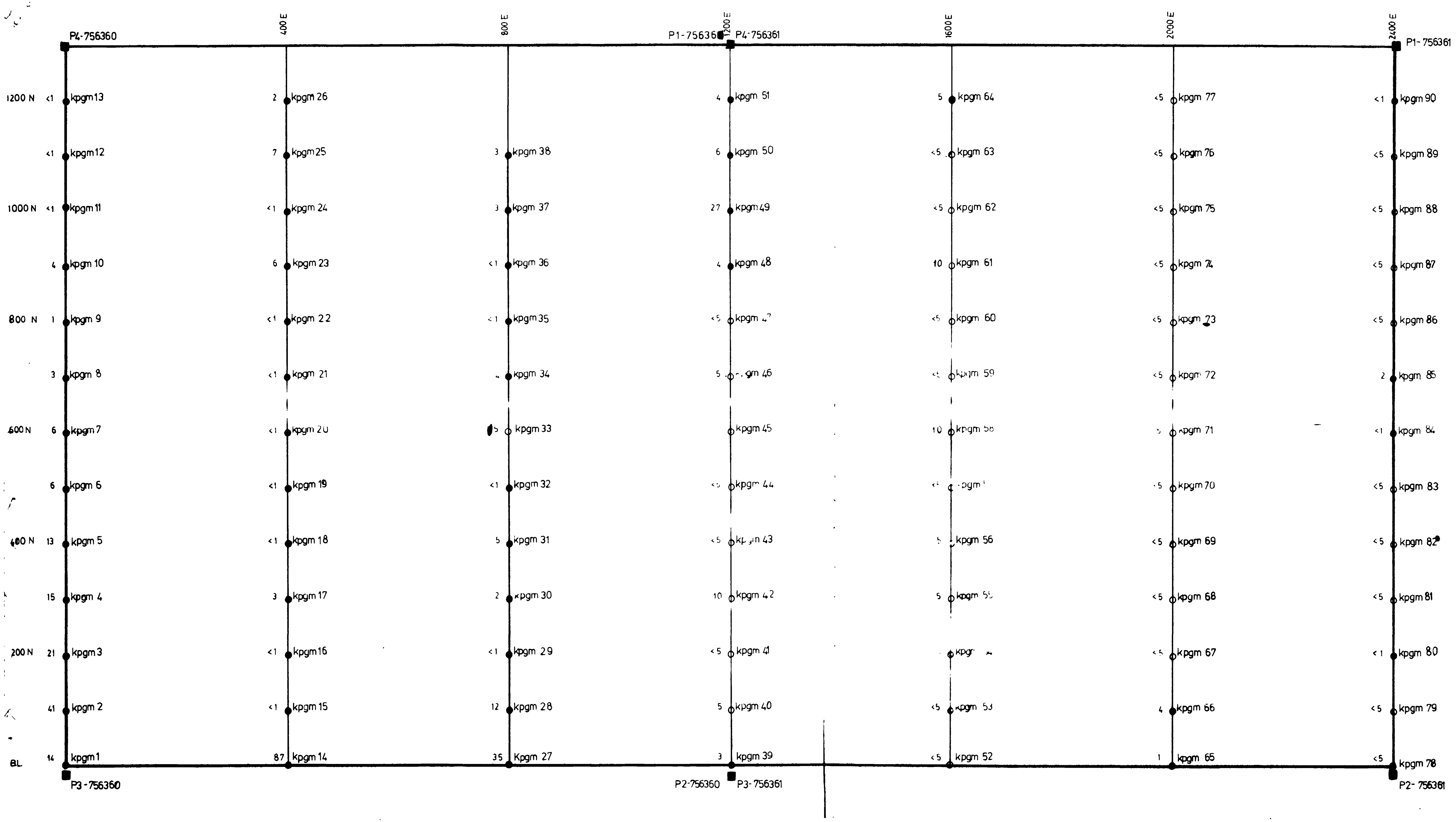
TOWNSHIP
SILK

M N R ADMINISTRATIVE DISTRICT
CHAPLEAU
MINING DIVISION
PORCUPINE
LAND TITLES / REGISTRY DIVISION
SUDBURY

Ontario Ministry of Natural Resources — Ministry of Northern Development and Mines

Date OCTOBER 1983 | Number G-1213

41018NW0053 2.10639 SILK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kpgm 88
kpgm 89
kpgm 90

LEGEND:
- • KPGM1 · Humus Sample
- ∘ KPGM63 · Soil Sample
- < 5 · Less than 5ppb Au

OROFINO RESOURCES LTD.

SILK TOWNSHIP — PROJECT 422
PORCUPINE MINING DIVISION

GRID MAP

DRAWN: K PHAM	SCALE: 1" = 100'

2 10639

41O16NW0053 2 10639 SILK

210