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GEOLOGICAL REPORT PENN OPTION AREA OF HERONRY LAKE AREA OF DOGPAW LAKE NTS 52F4 / 52F5

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MINING LANDS SECTION

A. Aubut Senior Geologist Canadian Nickel Company Limited Copper Cliff, Ontario February, 1985

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Table of Lithologic Units

SUMMARY

During September, 1984, an exploration program consisting of geological, magnetometer,VLF and limited IP surveys, was carried out over 34 contiguous claims. These cover most of Burnt Peninsula on Kakagic Lake, in the Areas of Heronry and Dogpaw Lakes.

The claim group is underlain by a differenciated mafic-ultramatic sill with enclaves of felsic to intermediate metavolcanics derived from the surrounding country rocks. These are all cut by a number of generally narrow, sinuous felsic to intermediate dykes. The sill forms a large antiform with the core showing much hydrothermal alteration. In this area the altered gabbros exhibit a definite zonation consisting of iron carbonate alteration within a chlorite alteration envelope. These rocks are commonly weakly to strongly foliated with some associated shearing.

1.0 INTRODUCTION

An exploration program, consisting of geological, magnetometer, VLF and limited IP surveys, was carried out over the land portion of the claim block. The geological survey was performed between September 1 and September 14 and from September 20 to September 22, 1984, by a three member field crew.

2.0 LOCATION AND ACCESS

The property is located 70 km southeast of Kenora and 14 km north of Nestor Falls. The property straddles the boundary between the Heronry Lake (G-2621) and Dogpaw Lake (G-2613) claim maps and covers Burnt Peninsula on the northeast side of Kakagi Lake.

Access is by boat across Kakagi (Crow) Lake from Highway 71. Several private lodges and a public dock provide boat launching facilities.

3.0 PROPERTY

3.1 Claims (Fig. 2)

The property consists of 34 contiguous claims held by the Canadian Nickel Company Limited, under option from Welcome North Mines Limited. The geological survey was carried out over the following claims:

Claim No

K 758837 - 38
K 777705 - 08 incl.
K 777718 - 19
K 777723 - 25 incl.
K 589477 - 80 incl.
K 589482
K 638449 - 50
K 638455 - 65 incl.
K 638467 - 68
K 638471 - 72
K 696158

3.2 Gridding

Baselines were established at an azimuth of 360 deg. Cross lines were cut and chained at 100 m intervals with pickets planted every 25 m across the property.

4.0 PREVIOUS EXPLORATION

The first reported work for the property occurred during 1944 when Ernest Wensley staked ten claims in the east-central part of the present claim block. At approximately 96+75N/96+75E some stripping and trenching was done. Two samples taken by R. Thomson, Resident Geologist, in 1945 returned 0.63 opt and 0.16 opt gold.







Also at this time (1944 - 45) Harry Byberg was conducting some prospecting on what was called the Burnt occurance (located at approximately 86+60N/76+00E). As a result of his prospecting Mr. Byberg obtained an assay of 0.98 opt gold from a grab sample of a very narrow quartz vein.

The area remained dormant until 1974 when Roy Martin and associates restaked both showings. The property was re-prospected and three more showings were discovered. After some trenching the claims were allowed to lapse in 1976. Mr. Martin again restaked the ground in 1981. During 1982 further prospecting, trenching and the cutting of a small grid were completed. In 1983 Welcome North Mines Limited optioned the property. They resampled the trenches and completed limited geological survey and soil geochemical sampling programs (Dawson, 1983). Canadian Nickel Company Limited optioned the property from Welcome North Mines Limited in 1984.

5.0 REGIONAL GEOLOGY

The area is underlain by metavolcanics, metasediments, and mafic to ultramatic intrusives belonging to the Wabigoon Belt of the Superior Structural Province. In the area of Kakagi Lake the belt consists of a package of felsic to intermediate pyroclastics and their reworked equivalents overlying mafic metavolcanics. These have been intruded by differenciated mafic to ultramafic sills. Tectonic forces, likely the product of the diapiric emplacement of the Aulneau Batholithic Complex and the Sabaskong Batholith, have folded this terrain. The folds have steeply plunging fold axes and near-vertical axial planes. The present property covers a portion of an antiform as defined by a large mafic-ultramafic sill (Blackburn, 1981).

6.0 GEOLOGICAL MAPPING

Geological mapping was performed by a three member field crew during a seventeen day period including September 1 to September 14 and September 20 to September 22, 1984. The object of the survey was to determine what lithologies are present, their areal extent, the presence and distribution of alteration, and to locate areas of auriferous mineralization. All grid lines were traversed as well as areas between grid lines where outcrop was evident.

The topography is rugged, consisting of several convergent ridges of peridotite flanked by lower ridges and hills of gabbro and related rocks. Outcrop is extensive, with about 40% exposure. Overburden consists of glacially derived boulder fields with some areas of clay and sand. Forest cover is widespread with much underbrush, although it is rather thinly treed with poplar and birch. Mixed pine is found on most of the high ridges. Balsam and spruce are scattered throughout.Cedar, black ash and diamond willow are dominant in the low, swampy areas.

6.1 Lithology

Table 1 presents the lithologic legend for the present geological survey. Three main lithologic groups are present on the property: felsic to intermediate metavolcanics, mafic and ultramafic intrusive rocks, and felsic to intermediate intrusive rocks.

Felsic to intermediate Metavolcanics

These are present as large xenoliths of the enclosing country rocks included during intrusion of the mafic and ultramafic rocks.

Dacite is pinkish white to grey in colour, is fine to very fine-grained and is typically massive. Trace disseminated pyrite is common.

Dacite tuff is fine-grained, greenish grey in colour, moderately hard and is massive to moderately foliated. Dacite lapilli tuff consists of 5 to 20% felsic to mafic fragments up to 5 cm in adacite tuff matrix. It is commonly weakly carbonatized (iron carbonate). Some of the felsic fragments are feldspar phyric.

Porphyritic dacite consists of 10 to 20% anhedral pyroxene crystals up to 5 mm in size set in a green, aphanitic groundmass. It is massive to weakly foliated.

Andesite is rare, with only one small exposure found. It is green, fine grained, massive and has 1% finely disseminated pyrite.

Mafic and Ultramafic Intrusive Rocks

This group forms a large, differenciated sill that underlies much of the property. This sill, in the northwest quadrant, consists of two sub-parallel peridotite layers that enclose a central core of olivine gabbro and pyroxenite. All of the rocks in this area of the property are quite fresh with no deformation evident.

At approximately line 8000E there is a pronounced change to these lithologies; olivine gabbro gives way to gabbro, pyroxenite layers flanking the peridotite become wider and more continuous along strike, and the south peridotite layer disappears, although the magnetometer survey shows that the associated mag trend although much diminished in magnitude, continues parallel to the north layer.

Within the east half of the property the peridotite, which acts as a marker horizon, makes an abrupt change in strike direction indicating the presence of a large antiform. Within the core of this large fold the gabbroic phases have been weakly to strongly deformed and altered. This alteration (see simplified Geology) is zonational and reflects the folded nature of the rocks.

TABLE 1

Table of Lithologic Units

FELSIC TO INTERMEDIATE INTRUSIVE ROCKS

- 3a Quartz Diorite
- 3b Feldspar Porphyry
- 3c Felsite
- 3d Granite

MAFIC AND ULTRAMAFIC INTRUSIVE ROCKS

- 2a Leucocratic Gabbro
- 2b Gabbro
- 2c Olivine Gabbro
- 2d Pyroxenite
- 2e Peridotite
- 2f Chlorite altered gabbro
- 2g Calcium carbonate altered gabbro
- 2h Iron carbonate altered gabbro
- 2i Fuchsite altered gabbro
- 2j Chlorite-carbonate-sericite-fuchsite schist

FELSIC TO INTERMEDIATE METAVOLCANICS

- la Dacite
- 1b Dacite Tuff
- 1c Dacite Laplli Tuff
- 1d Dacite Porphyry
- le Andesite

The multiplicity of the peridotite layers and the nonconformity of the pyroxenite preclude generation by normal gravity settling; rather , the evidence indicates probable intrusion after tilting of the enclosing metavolcanics. The sill is probably the product of flow differenciation within two closely spaced sills that merged at a higher level during intrusion but retained the effects of two separate flow regimes.

As indicated by the lithologic legend, the mafic to ultramafic intrusive rock suite has been subdivided first by increasing mafic content, followed by altered equivalents of the gabbro phase.

Leucocratic gabbro is a minor constituent of the sill. It consists of 70% white to light grey-green feldspar with 30% green pyroxene. It is medium grained, massive, and fresh in appearance.

Gabbro flanking the ultramafics is common in the east half of the property. It is medium-grained, massive, and lacks visible signs of alteration. Colour is pale grey-green. Mineralogically it consists of 40 to 50% grass green to dark green mafics and 50 to 60% white feldspar.

Olivine gabbro is very common in the northwest part of the property but is rare or absent elsewhere. This olivine rich zone is apparently in faulted contact with the rest of the sill to the east, where gabbro and its altered equivalents occur. The olivine gabbro is characterized by 5 to 40% brownish green olivine and 10 to 35% white to light green feldspar, with the balance consisting of pyroxene and amphibole. It is massive and generally medium grained, although fine and coarse-grained phases are present. It varies from dark greyish green to grey-green in colour, and is weakly to moderately magnetic.

Pyroxenite is present commonly flanking the peridotite. It is coarse-grained, massive to weakly foliated, dark brownish-green to dark green in colour and is sometimes weakly magnetic. It consists of 90 to 95% pyroxene crystals which produce a rough texture on weathered surfaces.Where it is foliated, the pyroxenes are commonly altered at least in part, to chlorite.

Peridotite is present as ridges that define the folded nature of the sill within the boundaries of the property. It is massive fine to medium-grained, black-green to black on fresh surface and orange brown on weathered surface. Well developed orthogonal jointing is ubiquitous. The peridotite is moderately to strongly magnetic and consists of 20 to 50% pyroxene with the balance being mainly olivine, although 5 to 10% white feldspar is sometimes present.

In the east and south areas of the property, the gabbro is commonly altered to various mineralogical combinations forming distinct mappable units. By far, the most common alteration product is chlorite, usually accompanied by epidotized feldspars. Chloritized gabbro is grey-green to green in colour, medium to coarse-grained, soft, and weakly to strongly foliated.

Within this chlorite envelope are areas of weak to strong calcium carbonate alteration. These flank a core of weak to intense iron carbonate (ankerite) alteration.

The gabbro exhibiting iron carbonate alteration is characterized by a rusty orange oxidation rind, and is brownish grey-green in colour. The iron carbonate has apparently migrated along crystal boundaries and where alteration was most intense, has totally replaced the feldspars. Within this alteration zone are areas of quartz veining with associated silicification, bleaching and pyritization commonly forming narrow envelopes up to 5 cm thick which enclose the veins.

In the area of 90+75N/90+00E there is a zone within the much broader chlorite-iron carbonate alteration envelope where fuchsite (?) is common. Fuchsitic alteration is most intense at the east end of this zone with the rock consisting of fuchsite, quartz and iron carbonate, yet still retaining the medium to coarse-grained texture of the original gabbro. Several sets of quartz veins are present, some with a matted network of fine, acicular, light green tourmaline crystals. The fuchsite-chlorite-iron carbonate altered gabbro is lime green in colour in the east portion of the zone and light greenish brown-grey to the west, reflecting a marked decrease in fuchsite content toward the west.

There are several isolated outcrops where the original texture has been obliterated due to shearing and are now chlorite-carbonate-sericite-fuchsite schists. These are strongly foliated, fine- grained, fissile, sericitic, chloritic, moderately to strongly carbonatized, and have 1 to 2% fuchsite as isolated streaks. Colour varies from light yellow-green to light green.

Felsic to Intermediate Intrusive Rocks

These occur as fairly narrow dykes that are typically sinuous and concentrated within the central core of the antiform.

Quartz diorite occurs on claim K638472 within a dilational zone associated with a felsite dyke. It is fine to medium-grained, crystalline,siliceous,leucocratic, with 10% free quartz crystals and is massive. It is weakly to strongly carbonatized and contains 10 to 15% pyrite.

Feldspar porphyry is rare. It is fine-grained, hard, siliceous and pinkish grey in colour. It has 10 to 60% subhedral to euhedral zoned feldspar phenocrysts up to 5 mm in size.

Felsite is common as sinuous dykes that occur predominantly in the east-central part of the property. It is fine-grained to medium-grained, leucocratic, massive to weakly foliated, though locally it can be strongly foliated, is moderately hard and siliceous. Colour varies from light greenish-grey to dark grey to light pink. On weathered surface it is usually light creamy-white. Trace to 1% disseminated pyrite is common.

Minor granite occurs as dykes up to 10 m wide. It is medium-grained, pinkish grey in colour, is massive and has approximately 20% mafic minerals.

6.2 Structure

Using the peridotite as a marker horizon, one may deduce that the property is underlain by the nose of a large fold. No evidence was found during the present survey that confirms whether it is antiformal or synformal or what the plunge is. Previous regional mapping programs (Kage, ABI; Davies and Morin, 1971) show it to be an antiform plunging steeply to the east.

The central portion of the property exhibits three zones of moderately to well developed foliation. Stereographic analysis of the foliations produces a single maximum with a dispersed cluster (Fig. 4). The average plane is 090-80 deg. Strike varies from 052 deg to 126 deg and dip varies from 63 deg to 90 deg. This foliation is approximately parallel to the interpreted (Kage, 1981) axial plane and so is probably axial planar.

Dislocation of lithologic units between lines 80+00E and 85+00E in the northwest part of the property indicates the presence of normal faulting that may be the result of a stress regime unrelated to the one that produced the major fold.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Within the limits of the property the mafic-ultramafic sill defines a large steeply plunging antiform or synform. Within the core of this fold the gabbros have been strongly altered and show a distinct zonation, the form of which reflects the folded nature of the rocks plus the effects of axial planar foliation and related shearing.

Three areas of gold mineralization previously located by prospecting and trenching all lie within a zone of weak to strong iron carbonate (ankerite) alteration. Resampling of the trenches shows the presence of anomalous gold mineralization where pyritization and silicification are also present. There appears to be excellent potential for economic gold mineralization within this alteration envelope.

It is recommended that additional surface work, including prospecting, stripping and trenching, be done to further define the relationship between gold mineralization, the iron carbonate alteration zone and structure.

Alan aubut

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Figure 4

8.0 REFERENCE

Blackburn, C (1981) Kenora-Fort Frances, Map 2443, Geological Compilation Series; Ontario Geological Survey.

Dawson, J.M. (1983) Geological and Geochemical Report on the Penninsula Property, Kakagi Lake Area, Kenora Mining Division, Ontario.

Davies, J.C. and Morin, J.A. (1976) Geology of the Cedartree Lake Area, District of Kenora; Ontario Division Mines, GR 135, 52 p. Accompanied by Map 2319.

Kaye, L. (1981) Kakagi Lake; Ontario Geological Survey, Map 2447, Precambrian Geology Series.







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GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s)Geological	
Township or Area <u>Area of Heronry Lake (G-2621)</u>	MINING CLAIMS TRAVERSED
Claim Holder(s) Canadian Nickel Company Limited	List numerically
Copper Cliff, Ontario. POM 1NO	
Survey Company Canadian Nickel Company Limited	
Author of Report A. Aubut c/o Canadian Nickel Com	pany (prefix) (number)
Address of Author Limited, Copper CLiff, Ontario.	POM 1NO
Covering Dates of Survey August 15- September 30,	<u>1984</u> See.attached.list
Total Miles of Line Cut 30.4 KM	
Total Miles of Elite Out	
SPECIAL PROVISIONSDCREDITS REQUESTEDGeophysical	AYS claim
ENTER 40 days (includesElectromagnetic	
line cutting) for first –Magnetometer	
survey. –Radiometric	
ENTER 20 days for each -Other	
additional survey using Geological 40	
Geochemical	
AIRBORNE CREDITS (Special provision credits do not apply to airborn	c surveys)
MagnetometerElectromagneticRadiometric	·
(enter days per claim)	
DATE: March 5, 1985 SIGNATURE: Author of Report	SILLY
Res. GeolQualifications	
Previous Surveys	
File No. Type Date Claim Holder	
	· ·····
	TOTAL CLAIMS
837 (5/79)	

GEOPHYSICAL TECHNICAL DATA

Nun	mber of Stations		Number of	f Readings	
Stat	tion interval		Line spaci	ng	
Prof	file scale		a dhanan da an an an an an an Antal a dh' a gu da an bhail a bhann an an an an an an an an a		
Con	itour interval			**************************************	
g ^h	nstrument				
E A	Accuracy – Scale con	stant			
S D	Diurnal correction me	thod			
B B	Base Station check-in	interval (hours)			
В	Base Station location	and value			
			ngangan ang ang ang ang ang ang ang ang	2012-14 00-1-1- 2-1-	
DII DII DII	nstrument				· · · · · · · · · · · · · · · · · · ·
H C	Coil configuration	<u></u>		-	
SAL C	Coil separation	,			
A S	Accuracy				
M CE	Aethod:	Fixed transmitter	⊔ Shoot back	L In line	L] Parallel line
ALI BLE	Frequency		(specify V.L.F. station)		
" P	Parameters measured.		-		**************************************
I	nstrument				
, s	Scale constant		••••••••••••••••••••••••••••••••••••••		
	Corrections made		197	<u>- 74.5481.7-0.4.88-0.7-0.7-0.7-0.7-0.7-0.7-0.7-0.7-0.7-0.7</u>	
	Base station value and	l location		······································	
- E	Elevation accuracy			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
I	nstrument	<u></u>			
N	Method 🗌 Time D	omain	🗀 Fr	equency Domain	
P	Parameters – On time	e	Fr	equency	
2	– Off tim	e	Ra	inge	
IVI	– Delay t	ime			
ISI	– Integra	tion time	<u></u>		
I RES	Power				
Ē	Electrode array		<u></u>		
F	Electrode spacing				
1	Type of electrode	<u> </u>		. <u> </u>	

INDUCED POLARIZATION

SELF POTENTIAL

Instrument	Range
Survey Method	

Corrections made_____

RADIOMETRIC

Instrument	
Values measured	
Energy windows (levels)	
Height of instrument	Background Count
Size of detector	
Overburden	

(type, depth - include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

ype of survey	_
nstrument	
CURSCN	
arameters measured	

Additional information (for understanding results)_____

AIRBORNE SURVEYS

Type of survey(s)	
Instrument(s)	(specify for each type of survey)
Accuracy	(specify for each type of survey)
Aircraft used	
Sensor altitude	
Navigation and flight path recovery method	d
Aircraft altitude	Line Spacing
Miles flown over total area	Over claims only

GEOCHEMICAL SURVEY – PROCEDURE RECORD

•

Numbers of claims from which samples taken_____

Total Number of Samples	
Type of Sample	ANALYTICAL METHODS
(Nature of Material)	Values expressed in: per cent
Average Sample Weight	
Method of Collection	Cu, Pb, Zn, Ni, Co, Ag, Mo, As,-(circle)
Soil Horizon Sampled	Others
Horizon Development	Field Analysis (tests)
Sample Depth	Extraction Method
Terrain	Analytical Method
	Reagents Used
Drainage Development	Field Laboratory Analysis
Estimated Range of Overburden Thickness	No. (tests)
	Extraction Method
	Analytical Method
	Reagents Used
SAMPLE PREPARATION	Commercial Laboratory (tests)
Anerota of fraction used for analysis	Name of Laboratory
Mesh size of fraction used for analysis	Extraction Method
	Analytical Method
	Reagents Used
	General
General	
·	

Mining Claims Traversed

К 589477	K 638465
K 589478	K 638467
K 589479	K 638468
K 589480	K 638471
K 589482	K 638472
K 638449	K 696158
K 638450	K 758837
K 638455	K 758838
K 638456	K 777705
K 638457	K 777706
K 638458	K 777707
K 638459	K 777708
K 638460	K 777718
K 638461	К 777719`
K 638462	К 777723
K 638463	К 777724
K 638464	K 777725

Total: 34

APPENDIX

Introduction

A total of 161 rock samples were collected for gold analysis. The samples were collected during a geological survey which was carried out over the entire 23 claim block.

The following analytical report is being submitted as technical substantiation for assessment credits on the 20 claims listed below:

K 589477 K 589478 K 589479 K 589480 K 589482 K 638449 K 638450 K 638455 K 638456 K 638457 K 638458 K 638459 K 638460 K 638461 K 638463 K 638464 K 638465 K 638467 K 638471 K 638472 To whom it may concern:

Changes for analyses for the following sample series (as per attachments).

RX 59901 - 16 incl. 59918 - 73 incl. 60099 60100 71301 - 65 incl. 71401 - 18 incl. 71464 - 67 incl. 161 samples for Au assay = \$1,127.00161 samples for preparation = $$_{563.50}$ (crush & pulv.) Total \$1,690.50

SO W lusuul

far: A.A. Wiebe Superintendent, Assay Stations

Dontario	physical, Geological, chemical and Expendi	tures}	The Mining	Act	Note: -	If number exceeds spa Only days "Expenditu in the "E: Do not use	of mining clair ce on this form, credits calcula res' section mar xpend. Days Cr shaded areas belo	ms traversed attach a list ated in the y be entered r." columns ow.
Type over vey(s)					Township o	r Area		
Expenditures -	Section 77 (19)			Area	of Hero	nry Lake	(G-2621
Claim Holder(s) Doy A Mantin						Prospector	E Q275	
Address				2 ⁻⁴⁶]		
313 Main Street Survey Company	, Box 867, Stu	rgeon Fa	alls, On	Date of Surve	2GO y (from & to)	.	Total Miles of line	e Cut
Canadian Nickel	Company Limit	ed		D1,5 Q8.	84 30, 19	19. 8 4	30.4 km	
Name and Address of Author (o	f Geo-Technical report) Canadian Nicko	1 Co 14	d Con	non Cliff	Ontario		N	
Credits Requested per Each (Claim in Columns at r	ioht	Mining Cl	aims Traversed	(List in nume	rical seque	, nce)	
Special Provisions	Geophysical	Days per	M	ining Claim	Expend,	Mi	ning Claim	Expend
For first survey:	Electromeonatio	Claim	Prefix	Number	Days Cr.	Prefix	Number	Days Cr
Enter 40 days. (This	• Electromagnetic		K	589477	5.0			
includes line cutting)	 Magnetometer 			589478	5.6			
For each additional survey:	- Radiometric			589479	5.6			
using the same grid:	- Other			589480	5.6			
	Geological			589482	5.6	-		
	Geochemical		-	620440	5.6			
Man Days		Davs per		030443	5.0	-	<u></u>	
Complete reverse side	Geophysical	Claim	1	638450	5.6			
and enter total(s) here	- Electromagnetic			638455	5.6			
	- Magnetometer			638456	5.6			
	- Radiometric			638457	5.6			
	- Other			638458	5.6			
	Gaological			620450	5.6			-
				030439	5.0			
Airborne Credite	Geochemical	Dave por		638460	5.0			
		Claim		638461	5.6			
Note: Special provisions	Electromagnetic			638463	5.6			
credits do not apply to Airborne Surveys.	Magnetometer			638464	5.6			
	Radiometric			638465	5.6			
Expenditures (excludes pow	er stripping)	J		C20AC7	5.0			
Type of Work Performed				030407	5.0	-		
Assay Costs	<u></u>			638471	5.6			
See Attached Li	st			638472	5.6			
	•••							
Calculation of Expenditure Day	s Credits	Total					*****	
		vs Credits						
\$ 1690.50	÷ [15] = [Total num claims cov	nber of mining vered by this	20
Instructions Total Days Credits may be a	portioned at the claim	holder's				report of s	work.	20
choice. Enter number of day	s credits per claim select	ed	Total Day	For Office Use	Only d (Mining Be	corder	
in coronina at right.			Recorded	JAN 2	4/85 -	1.D.M.		
Date Re	corded Holder or Agent (Signature)		Date Approve	ed as Recorded	Branch Di	rector	<u>,</u>
Jan. 21/85	VO MUUS	Ille	L					
Certification Verifying Repo	ort of Work			.				• • • •
I hereby certify that I have a or witnessed same during an	personal and intimate k d/or after its completion	nowledge of and the ann	the facts set exed report is	forth in the Repoi true.	rt of Work anne	xed hereto, l	having performed	I the work
I.D. McCaskill	c/o Canadian N	lickel C	ompanv L	imited				
		<u> </u>		Date Certifie		Certified t	y (Signature)	
Conner Cliff	Untario POM 1N	0		I Jan. 2	21785	1 1/1/	11//////	

•					
Submitted By Reported To	ÀA.].H	Tm /JF		Approved :/ Date ::	K/n. 24/09/84
Property : C Account No.	ROW LAKE : 60545-	B	orehole : /		×
Analysed 24/ Our File : G	09/84	by HCM 4.01	Method : 1	FIRE ASBAY - AA	•
DETECTION LI	MITS (#1	l in PPM	, except AU in	n PPB) : AU = 5	
Sample No.	AU				
	. 55	PPB			
KA 37702 DV 60003	20	FFB 1919:00			
RX 59904	(5	PPR'			
RX 59905	5	PPB			
RX 59906	5	PPB			
	10	PPB		· .	
RX 59908	10	PPB			
RX 59909	5	PPB			
RX 59910	<u></u>	PPB			
RX 59911	30	PPB			
RX 59912	< 5	PPB			
RX		PPB			
RX 59914	280	PPB			
RX (5,9915	1 08	PPM			
<u> </u>	20	<u>PPB</u>		· · · · · · · · · · · · · · · · · · ·	
RX 59918	30 5	PPR	·		
RX 59919					
RX 59920	20	PPB			
RX 59921	5	PPB			
RX 59922		PPB			
RX 59923	105	PPB			
RX 59924	< 5	PPB			
RX59925		PPB		······································	
RX 5,9926	20 63	PPB (
RX 59927	5 / 1 2 / 1	PPB			
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<u>RY 59931</u>	25	PPB			
RX 59932	115 - >	PPB 2	•		
RX 59933	10	PPB			
	5	PPB '	······	**************************************	
RX 59935	5 4	PPB !			
RX 59936	15	PPB :			
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RX59937	5 2	n en FFF FB versen e			

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Subi Rep	nitted By orted T	· AA/	ATM	F.C		Approved : MA Date :24/09	~ / 8 4
Proj Acc	perty : (ount No.	CROW LAX: : 60545	E - 1 4 0 3 0	Borehole :	1		
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Our	File : (G 24/09/	84.01	ri rietno.	D ; EIKE M	5571 - VV	
DET	ECTION L	IMITS (a	11 in PP	M, except i	AU in PPB)	: AU = 5	
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	.59941	10	PPB				
RX RX-	59942 59943	10 < 5	PPB · PPB			· · · · ·	
BX_	59944		PPB				
RX RX	60099 60100	5 < 5	PPB PPB				
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Rep	orted	то : AA/I	ATM SFI	<u>C</u>		Date :	26/09/84
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Pro	perty :	CROW LAKT	E B	Jorehole : /			
λοο	ount No	. : 60545-	-14030				
	******			MATRA		<u> </u>	·
Our	File :	G 26/09/	84.01	i nethow .	tine need	AI - 00	
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DEI	ECTION	LIMITS (a)	11 in rrn	I. EXCEPT AU	in PPB) :	AU = 3	
Sam	ple No.		+				
RX	59945	5	PPB				
RX	59946	15	PPB				
ЖХ RX	57747 50048	10	PPR				
RX	59950	< 5	PPB				
RX	59951	15	PPB				
RX	59952	5	PPB			· · · · · ·	-
RX	59953 50054	10	PPB				
Кл ₽Х	57734 	710	ргь ррг				
RX	59956	5	PPB				
RX	59957	< 5	PPB				
RX	5995B	5	PPB				
RX	59959	< 5	PPB				
RX	59960	< 5	PPB	·····	م من در بر بری معرف و بر رس		
R X	200701 20001	<pre></pre>	PPR				
RX	71401	< 5	PPB				
RX	71402	< 5	PPB				
RX	71403	5	PPB				
RX	71404	< 5	PPB				
RX	71405	25	PPB				
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RTF	O TO AA ATMI.	TFC		APPHOVED	Act 4/84			
				DATE	ALL RESULTS IN P.P.M. UNLESS OTHERWISE STATED			
	FIRE A	(SAY-AA	1]				
	CROW LAKE							
LASHE , MARO				Pł	ONE 682-4	441		
	Sample No W	Aut	loob]			1	<u> </u>	T
	RX 7130/	170	Pro-				+	
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C . C . EXPLORATION GEOCHEM LAB Approved : N. 7. Submitted By Reported To AA/ATM/JFC Date :11/10/84 Property : PENN Borehole : / Account No. : 60545-14030 Analysed 11/10/84 by HCM Method : FIRE ASSAY - AA OUT File : G 11/10/84.01 DETECTION LIMITS (all in PPM, except AU in PPB) : AU = 5 AU Sample No. 20 RΧ 71305 PPB RX 71306 < 5 PPB RΣ 71307 < 5 PPB ΕX 71308 < 5 PPB FX 71309 < 5 PPB 410 R X 71310 PPB ЯΧ 71311 20 PPB 5 ЯΧ 71312 PPB ЯΧ 71313 20 PPB RΧ 71314 < 5 PPB 5 TY. 71315 FPB 95 FX 71316 PPB R Z 71317 < 5 PPB **<** 5 71318 RΧ PFB 295 PPB ĸΧ 71319 ЯΧ 71320 < 5 PPB RX 71321 5 PPB < 5 RX 71322 PPB < 5 RX 71323 PPB 71324 15 RX PPB 71325 20 PPB RX RX 71326 60 PPB RX 71327 200 PPB 71328 10 PPB RX RX 71329 < 5 PPB RX 71330 100 PPB 71331 < 5 PPB RX RX 71332 370 PPB RX 71333 45 PPB 71334 5 PPB RX < 5 71335 PPB RX 10 RX 71336 PPB 71337 5 PPB RX RX 71338 145 PPB 71339 RX 5 PPB RX 71340 35 PPB RX 71341 < 5 PPB 5 RX 71342 PPB RX 71343 < 5 PPB RX 70 PPB 71344

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Submitted By Reported To	AR .	ATM JFC	ADDroved : 7 Date : 11/10/84
Property : P	ENN	Borehole : /	
Account No.	: 60545	-14030	
Analysed 11/	10/84	by HCM Method :	FIRE ASSAY - AA
Our File : G	11/10/0	84.01	
DETECTION LI	MITS (A	11 in PPM, except AU	in PPR) · AU = 5
Sample No.	AU		
RX 71345	5	PPB	· · · · · · · · · · · · · · · · · · ·
RX 71346 RX 71347	5 35	PPB	
RX 71348	< 5	PPB	
RX 71349	10	PPB PPP	
RX 71350	< 5	PPB	
RX 71352	< 5	PPB	
RX 71353 RX 71354	< 5 < 5	PPB PPB	
RX 71355	< 5	PPB	
RX 71356 RX 71357	< 5 < 5	PPB	
RX 71358	< 5	PPB	
RX 71360 RX 71361	< 5 < 5	PPB PPB	
RX 71362	7 5	PPB	
RX 71363	< 5 < 5	PPB	
RX 71365	< 5	PPB	
		<u> </u>	
		· · · · · · · · · · · · · · · · · · ·	
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	o itled By ported To	AA/A	Tm/JF			Approved Date	-X/m : 17/10/84
Pro Aco	operty : C count No.	ROW LAKE : 60545-	/ : 14030	Borehole :)		
λ η-ε Our	lysed 17/ File : G	10/84 17/10/8	- by НС1 94.01	MMethod	:-FIRE-A B	8AY AA	
DET	TECTION LI	MITS (a)	l in PPI	M, except A	U in PPB)	: AU = 5	
л л л л л л л л л	71359 71410 71417	< 5 10 < 5	PPB PPB PPB			· · · · · · · · · · · · · · · · · · ·	
	18-19-7		······································	• • • • •			
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G.C.E	XPLOI	RATION	GEOCI	HEM LAP	3
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C D.					the the the
Reported To	AA/A	Tm STFC	• • •	D	ate :11/10/8
Property : P	ENN	Borehole :	1		
Account No.	: 60545-1	4030			
Analysed 11/	10/84	by HCM	Method : FI	RE ASSAY - A	A
OUT FILE . G	11/10/04				
DETECTION LI	MITS (all	l in PPM, er	cept AU in	PPB) : AU =	5
Sample No.	AU				
ny (85)	, E	909			
пл ауудр RX б 9964	< 5	PPB			
RX 59965	5 < 5	PPB PPB			
RX \$9962	< 5	PPB			
RX 59968 RX 71407	< 5 10	PPB PPB			
RX 7 408	5	PPB PPR			
RX 71411	< 5	PPB			
RX 714121 RX 91413	< 5 5	PPB PPB			
RX TIT	< 5	PPB			
RX 21418	< 5	PPB			
RX 21918	< 5	PPB			
				an a dar a a r frankrækja og an an an fran 20 - 2 4 a sam	
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			• <u>•••</u> ••••••••••••••••••••••••••••••••	*** <u>****** // ************************</u>	

. C.C. EXPLORATION GEOCHEM LAB Submitted By Approved KA Reported To AATATATATC. Date :22/10/84 Property : CROW LAKE Borchole : / Account No. : 60545-14030 Our File : G 22/10/84.01 DETECTION LIMITS (all in PPM, except AU in PPB) : AU = 5 Sample No. AU **.** . . . 71464 425 RX PPB RX 71965 245 PPB RX 71466 340 PPB RX 71467 15 PPB . •

و البور البالية عمامية معاد و ا

							11 1 05	- ~
Ministry of R Natural	Report of Work		F III					Jrsec
Optario Resources	Geophysical, Geological, Seochemical and Expend	itures)	2					a list. the
- was	501-4		III TI 52	Føsswoo76 2,7868	DOGPAW LAK	E CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR E CONTRACTOR C	1 90	ierec mns
Type of Survey(s) Geological					Townsh	of Door	G.2621 AV	ea of
Clain: Holder (s)				موردون وروز وروز والمراجع والم		Prospect	or's Licence No.	TOITY L
Canadian Nicke	1 Company Limited	1					7527	•
Copper Cliff, (Ontario POM ING)						
Survey Company Canadian Nicke	1 Company Limited	1		Date of Surve	84 30	" 09 84	Total Miles of line 12 A km	e Cut
Name and Address of Autho Alan Aubut, C	or (of Geo Technical report) /O Canadian Nicki	el Comp	anv Lim	ited. Copper	Cliff.	Ont. F		
Credits Requested per Ea	ch Claim in Columns at I	right	Mining	Claims Traversed	(List in nu	merical sequ	Jence)	
Special Provisions	Geophysical	Days per Claim	Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.
For first survey: Enter 40 days (This	- Electromagnetic		K	758837				
includes line cutting)	- Magnetometer			758838				
For each additional surve	- Radiometric			777705				
using the same grid: Enter 20 days (for eac	- Other			777706			·	
,	Geological	40		777707				
	Geochemical		1	777708				
Man Days	Geophysical	Days per Claim	1	777718				
Complete reverse side	- Electromagnetic			777719			-	
and enter total(s) here	- Magnetometer		11	777723				
	Badiometric			777724				
	- Other			777725				
	Coological			111125				
	Geological							
Airborne Credits	Geochemical	Davs per	4					
		Claim	4					
Note: Special provisions credits do not app	Electromagnetic ly					KE	A.	
to Airborne Surve	ys. Magnetometer					DISMIN	ILIG DIV	•••
	Radiometric]	<u>. </u>	j		GUVIA	
Expenditures (excludes p Type of Work Performed	oower stripping)	<u></u>	ר ו			JAN	1 1 100r U	1
					7,8	19,10,11	. 1303 -	
Performed on Claim(s)							12,3,4,5,8	
			$\left\{ \right\}$			1 [No.	
Total Expenditures	Days Credits Day	Total s Credits						
S	+ 15 =		L				umber of mining	
			7	5882	2	claims c	overed by this of work.	11
Total Days Credits may b choice. Enter number of	be apportioned at the claim i days credits per claim select	holder's ed		Eor Office Use	Only			
in columns at right.			Total D Record	ad C. Data Records	11/2	- An	tecorder	1 +
Date	Recorded Holder or Agent (Signature)	ארו)י) pate Approve	as Record	EU Branon	Xemay	alling
Jan. 8, 1985	It Millasui	U		/ Dee K	ense	d Ska	semet	<u> </u>
Certification Verifying R	eport of Work	nousie de -		toth in the Daar		nound Land	having	the sector
or witnessed same during	and/or after its completion	and the an	inexed report	is true.		mexed nereto	, neving performed	THE WORK
Name and Postal Address of I.D. McCaskill	, c/o Canadian N	ickel C	Company	Limited				
Copper Cliff,	Ontario POM IN)		Data Cartifie Jan.	8/85	Certified	t by (Signature)	ul

11.0 M

Ontario	stry of R Iral (C Durces G Wes	eport of Work Seophysical, Geological, eochemical and Expend 501·3	itures)	FWM 2-780 The Mining	Ir V X Act	nstructions: Note:		Please typ If numbe exceeds s Only da "Expendi in the " Do not us	# 3-8 pe or print. at of mining clain pace on this form ys credits calcul tures" section me "Expend, Days Co is shaded areas had	Market Market attach a list. lated in the by be entered in." columns.
Type of Survey Geolo Cinim Holder (s Roy Address	gical , A. Martin	n .				Area		f Herc	onry Lake of's Licence No. 8275	G-2621
313 M Survey Compa Canad Name and Add Alan	ain Stree nv ian Nicke ress of Author Aubut, c,	et, Box 867, Stu el Company Limit (of Geo Technicel report) /o Canadian Nick	rgeon F ed el Comp	alls, Ont	ario POH	2G0 (from & to 84 30 Y'. Day Cliff) <u>0</u>	9 84 10. Yr. nt. f	Total Miles of lin 30.4 km 20M 1NO	ie Cui
Credits Reque	ested per Eac	h Claim in Columns at r	ight Dave per	Mining Clai	ins Traversed (List in nu	mer T	ical sequ	lence) Mining Claim	Europe
		Geophysical	Claim	Prefix	Number	Days Cr.		Pretix	Number	Days Cr.
For first sur Enter 40	vey:) davs (This	- Electromagnetic		K	589477	29	5	6 /	14	
includes	line cutting)	Magnetometer			589478	29]/(Kern	ar	
For each ad	ditional survey	- Radiometric			589479	29	IJ	ma	umen	
using the sa	me grid:	· · Other			505475 500400	29	١١			
Enter 20) days (for eac	h) Goolooisel	40		009400	21	J		· · · · · · · · · · · · · · · · · · ·	
		Geological			589482	129	ľ			
Map Dave		Geochemical			638449		ŀ		·	
Wan Days		Geophysical	Daγs per Claim		638450					
Complete re	everse side	 Electromagnetic 			638455	29	 	1		
		- Magnetometer			638456		1		···	
		- Badiometric			C20457				•	
		- Hadiometric			03845/		1		n 	
		• Other			638458	24	5	u		
		Geological			638459	29)		1	
		Geochemical			638460		ſ			
Airborne Credi	ts		Days per Claim		638461	· ·	1			
Note: Speci	ial provisions	Electromagnetic			620162		1		<u> </u>	
credi	ts do not apply	y		i	030402	-				
to Ai	rborne Survey	s. Magnetometer			638463					ENO
	·····	Radiometric			638464					NG DIN
Expenditures	(excludes po Performed	ower stripping}			638465	_				SUNT
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					638467				AM VAN	1 1 1001
Performed on (Claim(s)				638468		1		10,11,1	1303
				·	620171		İ			AH 12/3,0 P
					030471					
Calculation of	Expenditure D	Days Credits	Total		6384/2					
Total Expe	nditures	η [] Daγ	s Credits		696158					
\$		÷ =		55	8947	2		Total nu claims co	mber of mining	
Instructions	•					/		report of	work.	23
choice. Ente	er number of d	e apportioned at the claim r lays credits per claim selecti	ed	E	or Office Use (Dnlγ		Allering R		
in columns	Bi fighi.			Recorded		ilas	- ,	me	Dam de la	art.
Date	1005	Recorded Holder or Agen1 (Signature)	1/10/20	Date Approveg	Record	d	Bratich D	hirector	
Jan. 8,	1985	SC Willush	111		flee A	juis	<i>l0</i>	nor	akene	n'
Certification	Verifying Re	port of Work		f ab a f		- 4 141 1			Andre - T	
I hereby cer or witnessed	uty that I hav disame during a	e a personal and intimate ki and/or after its completion	nowledge of and the anr	TITE TACTS SET 10 nexed report is tr	ue	UT WORK BE	INEX	eu nereto,	, naving performed	the Work
Name and Post I.D. MC	el Address of I Caskill,	Person Certifying c/o Canadian Ni	ckel Co	ompany Lim	nited			A		
Copper	Cliff, D	ntario POM INO			Date Certified Jan. 8/	85		Certified	by (Signature)	ulil
362 (81/9)										······································

Ministry of Repo Natural (Geo Datario Geoc WBS C	ort of Work physical, Geological, hemical and Expendi >/·/}	tures) 🧠	FNM 3-7868 The Mining Act		netructions: - - Note: - - Township	 Please ty: If numbe exceeds a: Only da: "Expendi- in the " Do not us or Area 	pe or print. # pace on this form ys credits calcul tures'' section ma Expend. Days C e shaded areas bel	17-85 ims traversed in attach e list. lated in the sy be entered ir." columns. ow.
Expenditures - S Cleim Holder(s) Roy A. Martin Address	Section 77 (19))			Area	of Her	onry Lake Bl's Licence No. E 8275	(G-2621)
313 Main Street, Suivey Company Canadian Nickel Name and Address of Author (of Alan Aubut c/o f	, Box 867, Stur Company Limite Geo Technical report Canadian Nickel	rgeon F ed Co. I	alls, Ontari	io POH 2 • te of Surve -1.5 [0.8.] Cliff.	2GO y (from & to) 84 30y 1 Ontario	02. 184 POM 1N	1 otat Miles of Hr 30.4 km	10 Cui
redits Requested per Each C	laim in Columns at ri	ight	Mining Claims	Traversed	(List in num	erical secu	ence)	
Special Provisions	Geophysical	Days per	Mining	Claim	Expend.	h h	Vining Claim	Expend.
For first survey:	- Electromagnetic		K EC	39477	5.6	Pretix	Number	Jays Cr.
Enter 40 days. (This includes line cuttion)	. Manness	<u> </u>		20170				
v	oviegnetometer D≠ -11-		51)0470	0.0			
For each additional survey: using the same orid:	- nadiometric	I	51	594/9	5.6			
Enter 20 days (for each)	- Other	l	58	59480	5.6			
	Geological	I	58	39482	5.6			
	Geochemical		63	38449	5.6	ŀ		
Man Days	Geophysical	Days per Claim	63	38450	5.6	R	Er.	
Complete reverse side	- Electromagnetic		6	38455	5.6		- ETV	F
und enter total(s) here	• Magnetometer	 	C:	38456	5.6	F	ERA	¢D
	- Radiometer	<u>├</u> 	0.	38157		At Inc.	6 100	
	natiometric Otto		6.	1040/		WING .	LAND-	<u>'</u>
	- Other	l	6.	58458	5.6		"US SEPT	
	Geological		6:	38459	5.6		·····	M
	Geochemical		6	38460	5.6		: 	
Airborne Credits		Days per Claim	6:	38461	5.6			
Note: Special provisions	Electromagnetic		6:	38463	5.6		· · · · · · · · · · · · · · · · · · ·	
credits do not apply	Magnetometer			38464	5.6		· ^	
to Andonie durveys.	Badiometric			38165				
xpenditures (excludes powe	r strippina)		0,	20402		1	1 John	
ype of Work Performed			<u> </u>	J040/	0.0	11	H 1- 13	of A
Assay Costs			6.	38471	5.6	1.1.	JA- K	a print
See Attached Li	st		6	38472	5.6		8.10.11/12 4	1985
Calculation of Expenditure Days Total Expenditures	Credits	Fotal s Credits					12	4
[♥ 1690.50	÷ [15] = [112	58	945	77	Total nu claims co	mber of mining overed by this	20
nstructions Total Days Credits may be ap choice. Enter number of days in columns at right.	portioned at the claim h credits per claim selecte	nolder's ed	For (Total Days Cr.ID	Office Use	Only	report o	work.	<u></u>
Jan. 21/85	orded Holder or Agent (S DUUUSUU rt of Work	Signature)	112	Approve All A	24/85 day Recorded furse	Branch E	Juector a Keme	pat 2
I hereby certify that I have a or witnessed same during and	personal and intimate kr /or after its completion i	nowledge of and the ann	the facts set forth i exed report is true.	in the Repor	t of Work ann	exed hereto,	, having performe	d the work
and rustal Address of Pers								1
I.D. McCaskill	c/o Canadian N	ickel ſ	ompany Limi	ted				I

K 589477 К 589478 к 589479 K 589480 K 589482 K 638449 K 638450 K 638455 K 638456 K 638457 K 638458 K 638459 K 638460 K 638461 K 638463 K 638464 K 638465 K 638467

- K 638471
- K 638472

Total Claims = 20

Mining Lands Section

File No 2. 7868

Control Sheet



MINING LANDS COMMENTS:

Zi.

emis K.

.

Signature of Assessor

Mar, 28/85

Date

1985 05 08

Your File: 3,4-85 Our File: 2.7868

Mining Recorder Ministry of Natural Resources 808 Robertson Street Box 5080 Kenora, Ontario P9N 3X9

Dear Sir:

RE: Notice of Intent dated April 17, 1985 Geological Survey and Data for Assaying on Mining Claims P 758837, etall, in the Areas of Dogpaw Lake and Heronry Lake

The assessment work credits, as listed with the above-mentioned Notice of Intent, have been approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your records.

Yours sincerely,

S.E. Yundt Director Land Management Branch

Whitney Block, Room 6643 Queen's Park Toronto, Ontario M7A 1W3 Phone:(416)965-4888

D. Kinvig:mc

cc: Roy A. Martin
 Sturgeon Falls, Ontario
cc: I.D. McCaskill
 Copper Cliff, Ontario

- cc: Resident Geologist Kenora, Ontario
- cc: Nr. G.H. Ferguson Mining & Lands Commissioner Toronto, Ontario

Encl.



Technical Assessment Work Credits

	File
	2.7868
Date	Mining Recorder's Report of
1985 04 17	WORK NO. 3,4-85

Recorded Holder

ROY A. MARTIN/CANADIAN NICKEL COMPANY LIMITED

Township or Area

DOGPAW LAKE & HERONRY LAKE AREAS

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic d	sys K 758837~38
	777705 to 08 inclusive
Magnetometer d	777718-19
Badiometric d	$\frac{77723}{589477} = \frac{25}{10} = \frac{100}{100}$
	589482
Induced polarization d	638449-50
Other	638455 to 65 inclusive
	638471-72
Section 77 (19) See "Mining Claims Assessed" colum	696158
Geological 32 d	
Geological 0	εφε.
Geochemical d	Bys
Man days 🗔 🛛 Airborne 🛛	
The Credits have been reduced because of pr	- tiol
coverage of claims.	
Credits have been reduced because of correct	ions
to work dates and figures of applicant.	
Special credits under section 77 (16) for the follow	ing mining claims
No credits have been allowed for the following min	ing claims
not sufficiently covered by the survey	Insufficient technical data filed



sources

Technical Assessment Work Credits

Date				Minin
	1025	∩4	17	WORK

2.7868 g Recorder's Report of No. 17 OF 17-85

File

Recorded Holder	ROY A MARTIN
Township or Area	ERONRY LAKE AREA
Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic days	\$1690.50 SPENT ON ASSAYING SAMPLES
Magnetometer days	758837-38
Radiometric days	777718
Induced polarization days	589477 to 80 inclusive
Other days	638449-50
Section 77 (19) See "Mining Claims Assessed" column	638463 to 65 inclusive
Geological days	638467-68 638471-72
Geochemical days	696158
Man days 🗌 🛛 Airborne 🗖	112 DAYS CREDIT ALLOWED WHICH MAY GROUPED IN ACCORDANCE WITH SECTION 76(6) OF THE MINING ACT.
Special provision	·
 Credits have been reduced because of partial coverage of claims. Credits have been reduced because of corrections to work dates and figures of applicant. 	
Special credits under section 77 (16) for the following n	nining claims
No credits have been allowed for the following mining c	laims
not sufficiently covered by the survey	Insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77 (19)-60: 828 (83/6)



Ministry of Natural Resources

May 2 /85

1985 04 17

Your File: 17-85 Our File: 2.7868

Mining Recorder Ministry of Natural Resources 808 Robertson Street Box 5080 Kenora, Ontario P9N 3X9

Dear Sir:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, please contact Mr. R.J. Pichette at 416/965-4888.

Yours sincerely,

S.E. Yundt Director Land Management Branch

Whitney Block, Room 6643 Queen's Park Toronto, Ontario M7A 1W3

▶ 上D. Kinvig:mc

Encls.

- cc: Roy A. Martin 313 Main Street Box 867 Sturgeon Falls, Ontario POH 2GO
- cc: Mr. G.H. Ferguson Mining Lands Commissioner Toronto, Ontario

cc: I.D. McCaskill c/o Canadian Nickel Company Limited Copper Cliff, Ontario POM 1NO

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Ministry of Natural Resources Notice of Intent for Technical Reports

1985 04 17

2.7868/3-85/4-85/17-85

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Land Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.



Canadian Nickel Company Limited

Copper Cliff

Ontario POM 1N0

March 4, 1985

REGISTERED MAIL

Mr.F.W. Matthews Supervisor, Projects Section Ministry of Natural Resources Whitney Block, Room 6450 Queen's Park Toronto, Ontario M7A 1X1

Dear Mr. Matthews:

Enclosed is a geological survey report in duplicate including technical substantiation for assay expenditures which were submitted for assessment credits on the following claims located in Area of Dogpaw Lake (G 2613) and Area of Heronry Lake (G 2621) Kenora mining Division.

Geological Survey

K 589477- 80 incl.K 696158 'K 589482 'K 758837- 38 'K 638449- 50 'K 777705- 08 incl.K 638455- 65 incl.K 777718- 19 'K 638467- 68 'K 777723- 25 incl.K 638471- 72 'K 777723- 25 incl.

RECEIVED

MAR - 8 1985

Expenditures (77-19)

MINING LANDS SECTION

Κ	589477-	80	incl.	K	638463-	65	incl.
Κ	5894 8 2			K	638467		
Κ	63844 9-	50		K	638471-	72	
Κ	638455-	61	incl.				

The report of work covering the geological survey was submitted to Mrs. M.E. Lemay in Kenora and subsequently recorded on January 11, 1985. The work report covering the assay expenditures was recorded on January 24, 1985.

I trust that this report will be considered satisfactory by your department.

Yours truly M. W.V. Rodney

Field Exploration

IM/ad

Exploration subsidiary of

INCO LIMITED

G-2613

DOGPAW LAKE

-2613

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52F05SW0076 2.7868 DOGPAW LAKE

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Jø, Feldspar porphyrj	1		
Felsite		() Outcrop	
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AFIC AN	DULTRAMARIC INTRUSIVE RUCAS		Quartz vein	
29	Leucocratic gabbro			
1 er al	Gabbro		Trench	
2 C	Olwine gabbro			
	Pyroxenite	▶	Limits of sample	
	Peridotite			
21	Chlorite altered gabbro	×× ××	Foliation vertical, inclined	
. 89	Calcium carbonate altered gabbro		Jointing	
	iron corbonate altered gabbro	×.+ 70•	Quartz veining - vertical , inclined	
21	Fuchsite altered gabbro			
21	Chlorite carbonate sericite fuchsite schist	TI	Fuchsite rich zone	
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Induced	Polarization	enomaly

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Compiled by Drawn hy D W Walsh

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	FELSIC TO	DINTERMEDIATE INTRUSIVE ROCKS	SYMBOLS			
•••	· ## ***	Quartz diorite		Gradational contact		
93 0	30	Feldspar porphyry				
•30	3,6	Folsite	$(\)$	Outcrop		
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	MAFIC AN	D ULTRAMAFIC INTRUSIVE ROCKS		Quartz voin		
	20	Leucocratic gabbro				
9 41	84	Gabbro		Trench		
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y • /		Pyrozenite	— — 1	Limits of sample		
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5.0	21	Chlorite altered gabbro		Foliation - vertical, inclined		85
•	80	Calcium carbonate altered gabbro		Jointing		
	20	iron carbonate altered gabbro	++	 Quartz veining-vertical, inclined	•	
P • 7	R i	Fuchsite altered gabbro	70*			
942	2,	Chlorite carbonate sericite fuchsite schist	TT,	Fuchsite rich zone		
	FELSIC T	O INTERMEDIATE METAVOLCANICS				
•10	10	Decite	8.	Brecciation		
9 10	//	Docite tuff	-	Slope direction		
\$ 09	10	Dacite lapilli tuff	RX017440 <i>(10)</i>	Sample Number (Au assays in ppb.)		
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