41P06NW2001

2.20392

BRVRV

010

CLAIMS 1151241 and 1151242

N.E. GARVEY TOWNSHIP

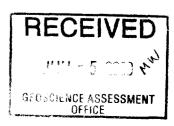
PORCUPINE DIVISION

REPORT ON PROSPECTING

John Hartley Morgan

June, 2000

2,20392



010C

Table of Contents

Table of Contents	Page #
Author's Qualifications	
Reasons for Prospecting	
Location of Prospects	2,3,4,5
Topography and Drainage	5
Access and Infrastructure	_ 5,6
Organic Cover	_ 6
Previous Work	7
Prospecting Observations	_ 7, 8, 9, 10
Conclusions	_
Bibliography	10
ILLUSTRATIONS	
General Location	4
Claim Map	3
A DDFMD TY	

APPENDIX

Prospecting Map (1:5000) Photographs (6)

Author's Qualifications

Honour Moderations (Oxon.) 1956 Botany, Geology, Chemistry

- B.A. Forestry (0xon.) 1958
- M.A. Forestry (0xon.) 1962
- M.B.A. (Business Administration) Toronto Univ. 1963

The author has worked as an Ontario Prospector for over 15 years, and holds Red Granite claims as a quarry prospect in good standing (near Marathon) in Coldwell Township, Mining Division of Thunder Bay.

Reasons for Prospecting

In 1993, on returning from a prospecting trip in a nearby township, the author saw the sands along Hwy. 560 and 560 (A) near Westree. He took samples and had them analysed by Chemex Laboratories at Mississauga, Ontario. Also, he took a bulk sample, near Hwy. 560, which was successfully tested as a Foundry Casting Sand for aluminum alloys.

Being aware of the mineral composition of this sand, early this year he consulted Falconbridge personnel at Sudbury and Timmins as to the possibility of using the sands as a Smelter Flux.

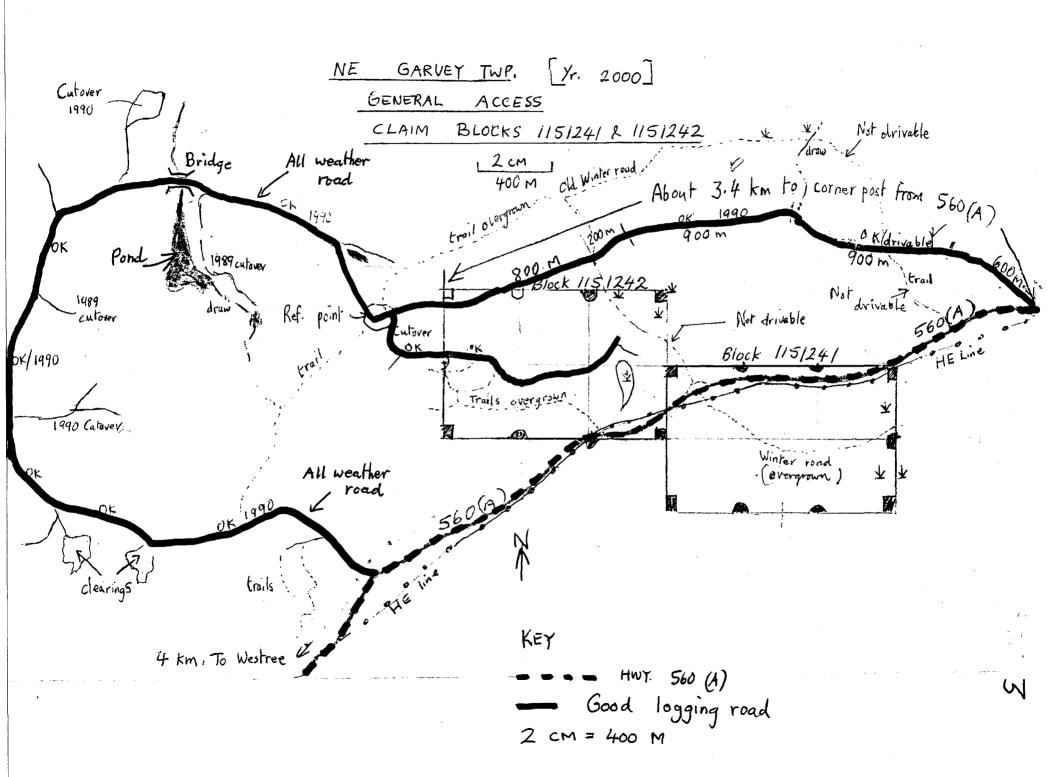
Falconbridge was interested in testing the sands for this purpose, so the author launched a prospecting expedition in May this year to determine whether or not the sands would be suitable in terms of access, distance, quantity, and uniformity of material in particle size and mineral content.

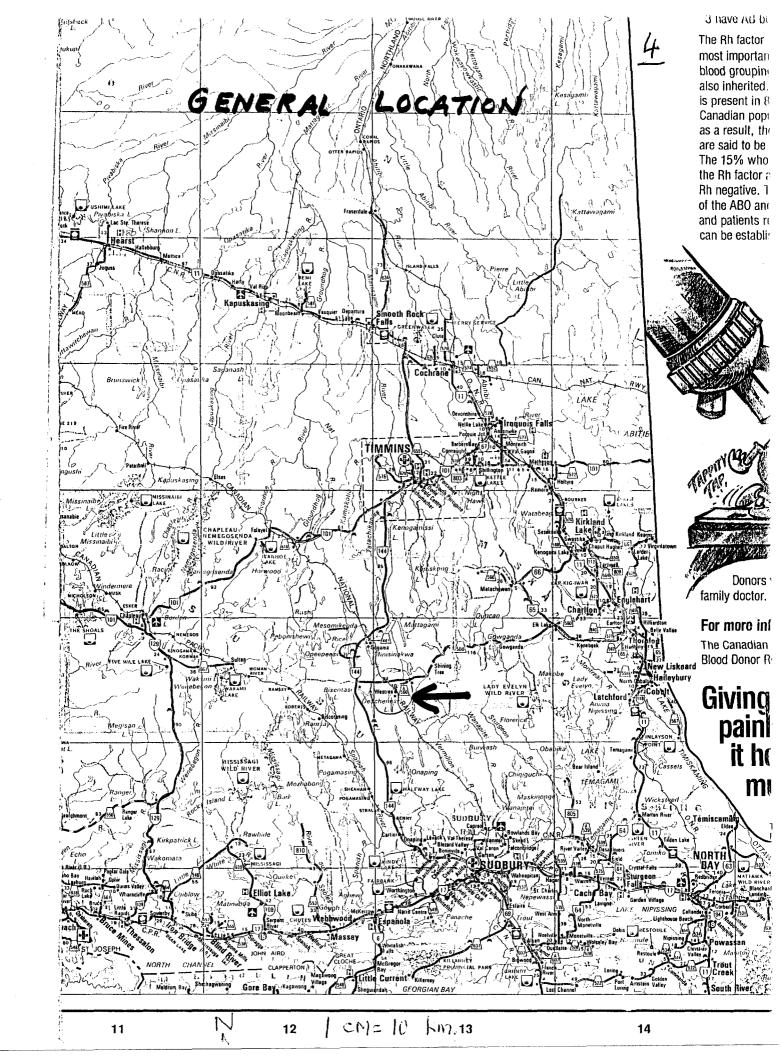
After prospecting for 10 days, the claims were staked and subsequently recorded at Timmins on May 26.

Location of Prospects

Highway 560 (A), an all-weather gravel road, goes through the claimed area. About 2 km. to the N.E., Hwy. 560 (A) joins with Hwy. 560. To the S.W., 560 (A) goes to Westree.

The claimed area comprises two adjoining claim blocks, 1151241 and 1151242, each of 6 claim units. See map, page 3. The nearest main highway is 560, which runs about 25 km. W. to join with the main highway 144 between Sudbury and Timmins. See the map, page 4.





To the E., Hwy. 560 runs to Shiningtree and beyond. The claims are about halfway between Sudbury and Timmins, or about 150 km. South of the Falconbridge smelter at Kidd Creek (South Porcupine near Timmins).

Topography and Drainage

This was of grave concern, because a limited preliminary reconnaissance along roads in the prospects showed that about 45 per cent of the area was low lying and swampy. A search was then made over a much wider area in an effort to find less swampy conditions, but this was not successful.

The topography was relatively flat, ranging between 395 and 419 m. height above sea level. On the positive side, there were several good roads giving all-weather access to most parts.

Here, the sands differed somewhat from those along Hwy. 560. The sands here consisted of aeolian (wind-blown) dunes, (see photo 10) as opposed to the sands 1 km. to the North, which were mostly of glaciolacustrine origin. Some of the dunes were large and crescent shaped in surface plan. The most prominent of these were along Hwy. 560 (A), and in the S.W. part of claim 1151241 (see the Prospecting map in the appendix)

Access and Infrastructure

About 4 Km. to the S.W. lies the small village of Westree, which has about 25 small residences, some recreational and some owned by employees of Gogama Forest Products' nearby sawmill.

Westree is a 'VIA' passenger train stop for the C.N.R., which regularly runs trains between Toronto and Vancouver via Sudbury and Winnipeg. (see photo $\mathcal{L}5$). There are also daily freight trains. Once there was a siding at Westree, but it has been taken up.

Gogama Forest Products has a Jackpine sawmill at Ostrom, about 8 km. West on Hwy. 560. At Ostrom there is a 400 m. C.N.R. siding which is easily accessible from the highway.

Just East of the Hwy. 560/560 (A) junction is Morin, a trailer hamlet with a few residences. Highway 560 (A), an all-weather gravel road, runs through both the prospects, and, in addition, a very good logging road, built by Domtar, goes through claim 1151242.

The hydro-electric power line runs alongside Hwy. 560 (A). There is a small general store in Westree, and the nearest Post Office is in Shining tree.

Organic Cover

The two adjacent claims of 6 units each fall within the Jackpine woodland managed as "The Spanish Forest" by Domtar Inc. at Timmins. About 45 per cent of the area is low lying, with slowly growing Black spruce and Balsam fir. The low lying areas are separated by sand dunes that reach up to 12 m. or more in height above the swamps. On the dunes the dominant species is Jackpine. The southerly sides of the dunes are often steeper and with a carpet of lichens and Wintergreen shrubbery amongst bare patches of sand.

In the W. of claim 1151242 there is a large cutover area. Regrowth of pines on the dunes there was fairly rapid, but for Black spruce, growth was very slow in the adjacent swampy areas.

Previous Work

The sands along Hwy. 560 were tested in boreholes for industrial potential by the Ontario Geological Survey in 1982 to 1983, and described in Open File Report 5445. This report suggested that the dune sands along Hwy. 560 (A) should also be investigated. In 1993, John Morgan had a dune sand sample analysed by Chemex Labs. of Mississauga. This indicated that the dunes were closely related in chemical composition to ahe glaciolacustrine sands to the North, and relatively uniform over a wide area.

Prospecting Observations

May 15 afternoon: Weather good. Walked East to West along a large dune to the North of Hwy. 560 (A), about 800 m. West of Domtar's main logging road. (Near the North side of claim 1151241). This dune reached a height of several metres above the road, was crescent shaped, about 600 m. East to West, and 150 m. from South to North. To the South of the road was a belt of lower lying Spruce/Balsam fir forest, and beyond that, another dune with Jackpine.

Along the road W. of the aforementioned dune, there were swampy conditions for about 200 m., and then the road went Westerly through a very large dune with mature Jackpine (see photo χ^0)

May 16: warmer weather. In the N.W. part of claim 1151241, a very waterlogged Winter trail led from Hwy. 560 (A) in a South Easterly direction through a swamp for 400 m. This trail could hardly be used under the present conditions especially after the recent rains. (see photo 2^2).

The same trail crossed over the Highway, going North Westerly over a dune, but after 150 m. it again descended into a swamp.

The latter swamp was of somewhat higher elevation, but Alder thickets, waterlogged holes, together with dense Spruce and Fir, made slow progress. In the N.E. part of claim 1151242, the same trail, for another 400 m., led to a large Jackpine covered dune, about 8 m. high. This was to the left of the trail or S. of it.

May 17: cold and overcast, warmer later on. At the common boundary between the two claims, went on a flagged traverse for 500 m. South, starting at Hwy. 560 (A).

There was a large dune with overmature Jackpine, gradually ascending for 120 m., and then descending more steeply to a swamp. This was easily crossed and two very large dunes with an intervening swamp were then encountered. The last dune, in the S.W. corner of claim 1151241, was the largest seen, and reached a height of 419 m. above sea level. Its Southern aspect was still active (ongoing wind-driven sand) and had a different ecology—bare sand patches with lichens.

May 18: chilly and overcast with clouds. Hwy. 560 (A) was followed for 500 m. West of the common claim boundary. Good dune sand was apparent at some higher elevation above the road. After that, low lying swamp occurred with drainage ditches. An overgrown trail, supposed to be near the junction of the road and the Hydro power line, could not be located. In places the road was corrugated with potholes and needed grading.

Fairly dense Black spruce and Balsam fir was seen N.W. of the road near Reference gridline 46 20 OOM E.

May 19: another cool day. Went South on the traverse of May 17 for nearly 500 m. and then for 300 m. to the East, on an unmarked traverse.

Found an extremely large dune, under mature Jackpine. To the North and South, this dune reached a height of at least 14 m. above the swamp. The dune was about 800 m. from W. to E. and, from N. to S., about 110 m. It looked as if a road could be easily bulldozed from the Highway to reach this dune.

May 20: Sunny. Moved near the N.W. corner of claim 1151242, having found the excellent Domtar logging road nearby (see photo #1% and map, page 3). The Domtar road road connects with Hwy. 560 (A), about 3.4 km. to the East.

There was a road junction about 150 m. to the W. of the claim boundary. Here, the logging road joined a good sandy road (see photo /4) that bisected claim 1151242 from W. to E.. This sandy road afforded very good access to fine sand on low dunes over a wide area (see the Prospecting map). About 20 ha. of these dunes had been logged and were now covered with young Jackpine.

May 21: walked further E. for 800 m. along the sandy road which bisects claim 1151242. Saw young Jackpine on each side. (see photo #/7) In places at the summit of dunes the sand was very soft so that a four-wheel driven vehicle would have been needed to drive on it. In the N.E. of the claim, this sandy road ended in a large dune with mature pine. Beyond that were traces of a low-lying Winter trail.

May 22: as rain was imminent, the day was spent in mapping the information which had been gathered.

May 24: drove along 560 (A) to the ϵ . boundary of claim 1151241. Everything wet, so donned rain gear and went on a flagged traverse southwards for a total length of 600 m.

About 180 m. from the highway, a small swamp was easily crossed, then a large cutover was encountered. This 600 m. traverse ended in borderline swampy conditions. These final observations were recorded on the map.

Conclusions

Most of the swamps could be traversed on foot at this time of the year, even after rains. Much of the area could be reached by existing drivable roads, and road building on the dunes was easy.

The sands were finer and the particles more rounded than those along Hwy. 560. The dune sands could be easily scooped up at low cost and then transported by trucks. All weather roads made all weather operations feasible.

Most of the larger dunes were covered by overmature Jackpine that could be cut by Domtar. Regeneration of the forest could be assisted by planting with better species.

The proximity to Westree village, the CNR stop there, and the nearby siding at Ostrom, was good infrastructure. The 150 km. distance by road to Timmins was probably an economic haul for the transport of Smelter Flux.

After recording the claims in Timmins on May 26, samples were taken over a wide area in triplicate. One lot was tested by Falconbridge. In a letter dated June 19, from D'Arcy Quinn, the writer was advised by Falconbridge that "the sand is a material that we could use in the process" (i.e. the smelting process at Kidd Creek).

Bibliography G. Guillet: Westree Sand Deposit: Ont. Geol. Surv.

Open File Report 5445, 1983



PHOTO 14 SANDY ROAD FACING W. CLAIM 1151242



PHOTO 17 SANDY ROAD FACING E. CLAIM 1151242



PHOTO 18

FACING W. ALONG THE

DOMTAR LOGGING ROAD

CLAIM 1151242



PHOTO 20

LARGE DUNE AT SIDE OF ROAD 560(A)



PHOTO 22

SWAMP WITH
WATERLOGGED WINTER TRAIL



PHOTO 25
FACING W.
CNR STATION AT
WESTREE



Declaration of Assessment Work Performed on Crown Lands

Mining Act. Subsection 66(2), R.S.O. 1990

Transaction Number (office use) NOO60.00303

Assessment Files Research Imaging



900

Instructions: - For work performed on mining lands, use form 0241.

- Please type or print in ink

2,20392

GEOSCIENCE ASSESSMENT OFFICE

bsection 66(2) of the Mining Act. Under section 8 of the Mining Act, this information is and correspond with the mining land holder. Questions about this collection should be Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

1. Recorded holder(s) (Attach a list if necessary)	
Name JOHN HARTLEY MORGAN	Client Number 172343
Address 215 2835 LAKESHORE W.	Telephone Number (416) 201-9072
ETOBICOKE, ONT. M8V. 3V8	Fax Number
Name	Client Number
Address	Telephone Number
	Fax Number
2. Type of work performed. Only regional surveys and prospecting work are For work performed after recording a claim or o	
Work Type PROSPECTING BEFORE RECORDING	Office Use
(10 DAYS)	Commodity
	Total \$ Value of ♯ 坮, 158
Deles Work From 15 05 00 To 24 05 00 Performed Day Month Year Day Month Year	NTS Reference
Global Positioning System Data (if available) Township/Area GARVEY TWP.	Mining Division Porcupi i.e. Resident Geologist Dimmins
PORCUPINE DIV. 6-974	Resident Geologist District
Please remember to: - complete and attach a Statement of Costs, form 0212; - provide a map showing contiguous mining lands that are - include two copies of your technical report; - provide proper notice to surface rights holders before st	arting work.
3. Person or companies who prepared the technical report (Attach a list if	Telephone Number
Name JOHN HARTLEY MORGAN	(416) 201- 907 Z Fax Number
Address 215-2835 LAKESHORE W., ETOBICOKE M8V 3V8	
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number
this Declaration of Assessment Work having caused the work to be performed or completion and, to the best of my knowledge, the annexed report is true. Signature of Recorded Holder **Castant** Work name: **The Control of Part Name: **The Control	Dale June 23 2000
Agents Address As above Telephone Number (416) 201-	9072 Fax Number

below). Work can only be assigned to claims that are contiguous to (adjoining) the lands where work was performed at the . work was performed. A map showing the contiguous link must accompany this form. WUU60. 00303 Value of work performed No. of before recording a mining claim Value of work Value of work Bank. Value of work Mining Claim Number applied Claim (a) Work now within (b) Work on adjacent assigned to other to be distributed Units a claim. Show 100% Crown lands. Show to this claim mining claims at a later date of cost 25% of cost. 1234567 4 \$4980 \$1600 \$800 \$3305 1234568 2 N/A N/A \$ 800 N/A N/A 115/24/ 2,079 2,079 1151242 2.079 2,079 R 10 11 12 13 14 15 4,158 4, 158 Column Totals MORGAN JOHN HARTLEY , do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done. re of Recorded Holder or Agent Authorized in Writing Instruction for cutting back credits that are not approved. Some of the credits claimed in this declaration may be cut back. Please check (1) in the boxes below to show how you wish to prioritize the deletion of credits: 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated. 2. Credits are to be cut back starting with the claims listed last, working backwards; or 3. Credits are to be cut back equally over all claims listed in this declaration; or 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe): 2.20255 9 90392 Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary. For Office Use Only Deemed Approved Date **Date Notification Sent** Received Stamp **Total Value of Credit Approved Date Approved** Approved for Recording by Mining Recorder (Signature) 0240 (03/97)

5. Work to be recorded and distributed. Work that is performed on Crown Lands that are subsequently staked claim, can be claimed at 100% of its value (state this amount in column "a" below). If work is performed on Crown not enclosed within a subsequently recorded claim, it can be claimed at 25% of its value (state this amount in column to colu



Statement of Costs for Assessment Credit

Transaction Num	ber (office use)
4000000	00303

sonal information collected on this form is obtained under the authority of subsection 6 (1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining t, this information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this lection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E

Work Type	Depending on the ty hours/days worked, grid line, number of	metres of drilli	l the number of		Total Cost
DNOSPECTING	10	days	<i>(∂</i>)	\$ 240 diem.	2,400
REPORT		daus	<u>(a)</u>	300/diem	400
Associated Costs (e.g. supplie	es, mobilization	and demol	oilization).		
MOBILIZATION +	DEMOBILIZA	HOITA	6 HRS @	\$ 30	180
Supplies		10	days @	\$ 12	/20
Transpo	ortation Costs				
450	km		(a)	\$ C.35	/58 ^v
Food and	Lodging Costs				
10	days (P			\$ 40	4.0()
	2.20	392	Total Va	alue of Assessment Work	4,158
Iculations of Filing Discounts:					
Work filed within two years of perfolions filed after two years and Value of Assessment Work. If this	up to five years a	Ker perforn	nance, it can only	be claimed at 50% of the T	rk. otal

- 2

TOTAL VALUE OF ASSESSMENT WORK	x 0.50 ≈	Total \$ value of worked claimed

Note:

- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:	,	

100 REAL do hereby certify, that the amounts shown are as accurate as may reasonably HARTLEY

be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying

Declaration of Work form as / FTOR DED HOLDER I am authorized to make this certifica

0212 (03/97)

Ministry of Northern Development and Mines Ministère du Développement du Nord et des Mines

July 12, 2000

Dear Sir or Madam:

JOHN HARTLEY MORGAN 2835 LAKESHORE BLVD. W. APT #215 ETOBICOKE, Ontario M8V-3V8



Geoscience Assessment Office 933 Ramsey Lake Road 6th Floor Sudbury, Ontario P3E 6B5

Telephone: (888) 415-9845 Fax: (877) 670-1555

Visit our website at: www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Submission Number: 2.20392

Status

Subject: Transaction Number(s): W0060.00303 Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact BRUCE GATES by e-mail at bruce.gates@ndm.gov.on.ca or by telephone at (705) 670-5856.

Yours sincerely,

ORIGINAL SIGNED BY Steve B. Beneteau

Acting Supervisor, Geoscience Assessment Office

teren B. Beneteau

Mining Lands Section

Work Report Assessment Results

Submission Number:

2.20392

Date Correspondence Sent: July 12, 2000

Assessor: BRUCE GATES

Transaction Number

First Claim

Number Township(s) / Area(s)

Status

Approval Date

W0060.00303

1151241

GARVEY

Approval

July 11, 2000

Section:

9 Prospecting PROSP

Correspondence to:

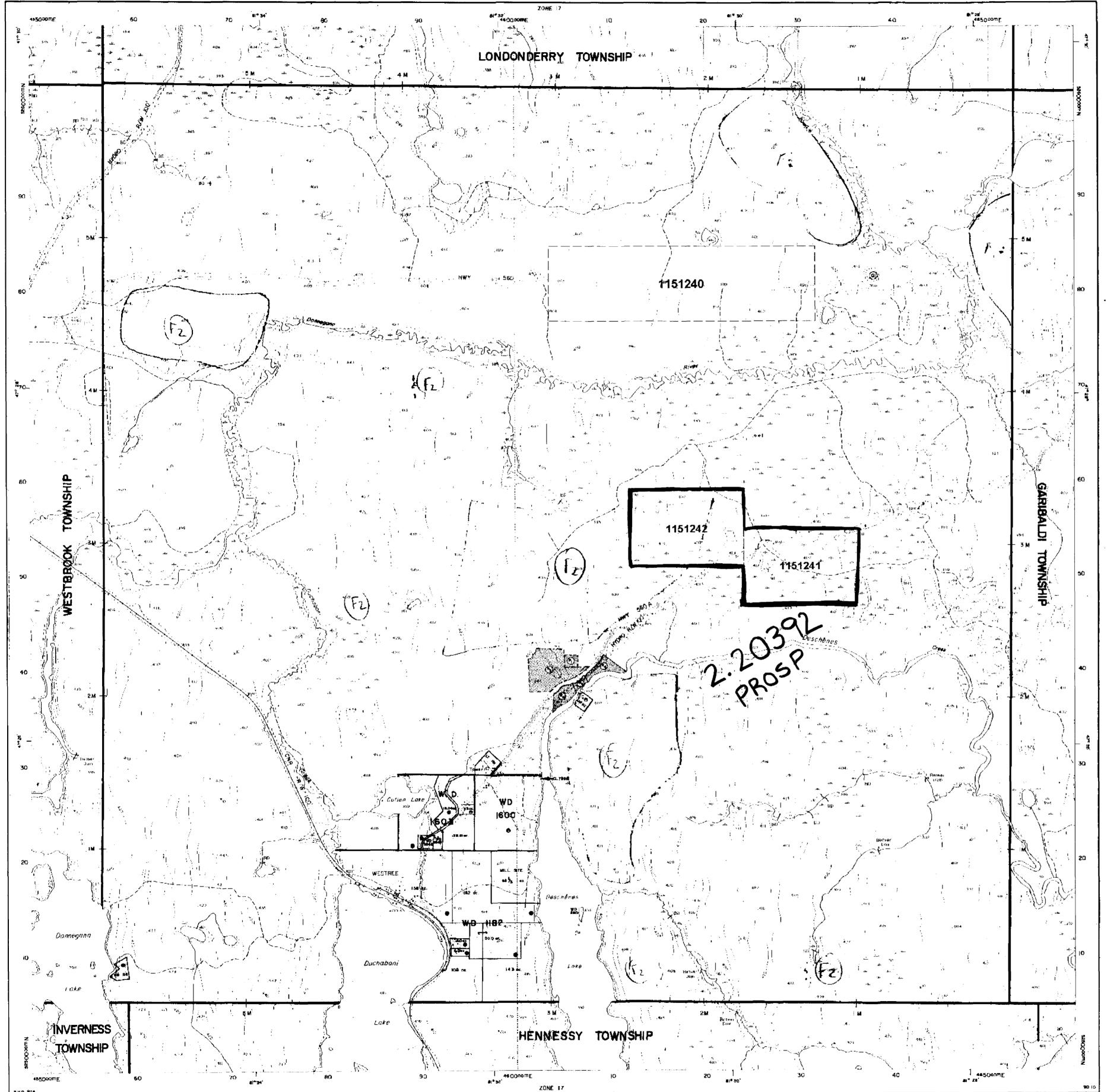
Resident Geologist South Porcupine, ON Recorded Holder(s) and/or Agent(s):

JOHN HARTLEY MORGAN

ETOBICOKE, Ontario

Assessment Files Library

Sudbury, ON





Ministry of Northern Development Resources and Mines

INDEX TO LAND DISPOSITION

G-974

TOWNSHIP

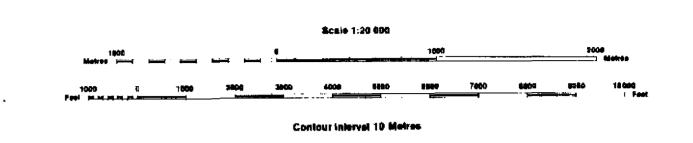
GARVEY

Control point (horizontal) .

M.N.R. ADMINISTRATIVE DISTRICT GOGAMA

MINING DIVISION PORCUPINE

LAND TITLES/REGISTRY DIVISION SUDBURY



AREAS WITHDRAWN FROM DISPOSITION

MRO - Mining Rights Only SRO - Surface Rights Only

SYMBOLS THIS TWP. IS SUBJECT TO FOREST ACTIVITY IN 1998/96 / 97 FURTHER INFORMATION AVAILABLE ON FILE. . _____

(G) M.T.C. GRAVEL PIT (M.N.R. FILE 3-C-2).

DISPOSITION OF CROWN LANDS

Surface & Mining Rights		
Surface Rights Only		 \varTheta
Mining Rights Only	· · · · · · · · · · · · · · · · · · ·	
Lagae		
Surface & Mining Rights		
Surface Rights Only		
Mining Rights Only		
Licence of Occupation		 .
Order-In-Council		 oc
Cancelled		 🏚
Reservation	.	 O
Sand & Gravel		_

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS BOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

PLACED IN SERVICE 92-APR-03

Map base and hand disposition drafting by Surveys and Mapping Branch, Ministry of Natural Resources.

The disposition of land, location of lot fabric and parcel boundaries on this index was compiled for administrative purposes only.



8 M D 974

PROSPECTING MAP

46200ME

GARVEY TWP. [N.E. PART] BLOCK CLAIMS 1151241+1151242 (M+S.) 6 UNITS EA. CLAIM. AEOLIAN SAND DUNES. PLAN G-974 MAP DRAWN BY J. MORGAN 24-05-1000 PORCUPINE MNG. DIV. GOGAMA DIST. BASE MAP 03-04-1992, SCALE 1:5000 OR 1 CM = 50 M. SYMBOLS KEY FOREST LOW LYING SWAMPY AREA HWY. 560 (A) HYDRO ELECTRIC POWER LINE . 407 m. Elevation in metres (Spot) Tackpine LOGGING ROAD Black spruce Balsam Fir FOREST LINE POST Trail White birch CORNER POST REF. GRID LINE BLOCK CLAIM 1151242 (6 UNITS) M+S Poplar (aspen) Poplar (bulm) CLAIM BOUNDARY - UNIT boundary BOUNDARY OF SURFACE DEPOSIT To 560 (A) 2.5 Km. Direction declian drift dune sands) AEOLIAN SAND DEPOSIT 461000ME 4630 00ME Ref. Grid line 525 60 N Ref. Grid line 52560 00M N ...Old Trail To Westree 407m 395 m elevi Low lying torest forest Low lying 1 (6 UNITS) M & S BLOCK CLAIM 1151241 To Hwy, 560 2 km, . 400 ~ LP 52555 00M 525 55-N- LP May 15 408 m. `trail Logging road Sand May 24 cutover Cutover •403m 419 m . Sand Sand Swamp Dune Sand $\sqrt{\mathbf{k}}$ sand Low lying & Swamp ·407m Curove Dune sand 4 km. NR Storion Hurr. 560 (A) 1525 5000MN 525 50 00MN ~ -6411 m Grid line Ref. Dune sand & Swamp Dune Sand Y Dune sand * St Sand

463000ME

Ref. Grid Line

52545 00M N -

sand

525/45 00M

Ref. Grid line