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GEOPHYSICS REPORT

ON THE

RIVER VALLEY PGE PROPERTY

NORTH GRID

DISTRICT OF NIPPISSING

SUDBURY

MINING DIVISION

FOR

MUSTANG MINERALS CORP.

BY

Dan Patrie

Dan Patrie December 01, 1999



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INTRODUCTION

Mustang Minerals Corp., acquired a group of unpatented mining claims comprising of 445 units, totaling over 7,000 hectares located in Henry, Crerar, Gibson, McWilliams, Dana and Janes Townships, located on the southern half of the River Valley layered ultramafic intrusion, which is located approximately 50 kilometers east of the city of Sudbury Ontario. In the District of Nippissing in the Sudbury Mining Division.

As per request of the property owners a geophysics program consisting of line cutting, and magnetometer survey was done starting October and ran till the 30th day of November, 1999 and was carried out by Dan Patrie Exploration Ltd.

SUMMARY AND RECOMMENDATIONS

The River Valley PGE North Grid property is located in Northeastern Ontario, District of Nippissing, Ontario, Sudbury Mining Division.

Further exploration of the River Valley North Grid PGE Property is warranted in proving its considerable merit in hosting economic PGE mineralization.

A program of 47.85 kilometers of line cutting and magnetic survey was done over the grid to explore the its PGE potential.

Due to the lack of geological information the following programs are recommended to complete the evaluation.

- 1. Completion of the grid lines over entire property.
- 2. Humus sampling over anomalous areas to better define drill targets.
- 3. Magnetometer survey over all of property.

4. Induced Polarization over all of property.

5. Diamond drilling I. P. anomalies to establish sulphide content and geology.

Following completion of this work and contingent upon the results then additional work should be considered to further evaluate the economic potential of the property for PGE mineralization.

The following report summarizes the results obtained from the work carried out during the current program and the interpretation is speculative.

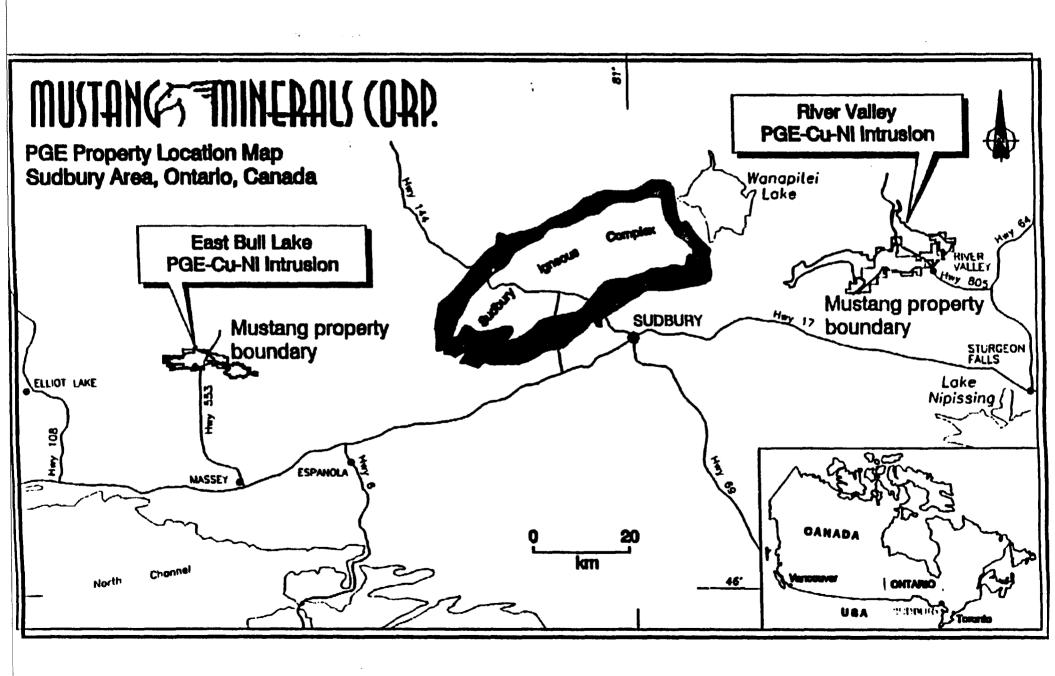
Respectfully submitted,

Daniel F. Patrie

Geology and Geophysics Technologist

December 01, 1999

Only



LOCATION AND ACCESS

The River Valley PGE North Grid property is located 50 kilometers east of Sudbury and accessed via an old logging road running north east from the center of the town of River Valley.

Access to the grid is by taking a series of old ATV trails from River Valley to the west side of the grid and a series of ATV trails running along the south and east end of the grid.

GEOLOGY

The River Valley PGE North Grid Property of Mustang Minerals Corp., covers the southern half of the River Valley layered ultramafic intrusion which is an early Proterozoic layered gabbro-anorthosite intrusion hosting platinum, palladium, rhodium, gold, copper and nickel, located 50 kilometers east of Sudbury.

Mustang controls approximately 40 kilometers of total strike length along the margin of the intrusion.

TOPOGRAPHY AND VEGETATION

The River Valley PGE North Grid property is a mixture alders and maple trees with black spruce swamps centered in the middle of the grid.

CLAIM DESCRIPTION

Consisting of 63 unpatented mining claims, on the River Valley PGE property, located in the District of Nipissing, Sudbury Mining Division.

TABLE 1

RIVER VALLEY PGE PROPERTY, DISTRICT OF NIPISSING

SUDBURY MINING DIVISION

CLAIM DESCRIPTION

CLAIM#	CLAIM#	CLAIM#	CLAIM#	CLAIM#
1210817	1231118	1214774	1236443	1230061
1214609	1231119	1214775	1236444	1230062
1214610	1231120	1228800	1237507	1230063
1214637	1231253	1229367	1237521	1230064
1214771	1231259	1229373	1231260	1230065
1214772	1231262	1229374	1229157	1230066
1214773	1231263	1229482	1229158	1230067
1214776	1231264	1231181	1229159	1231258
1229523	1231267	1231265	1229160	1231261
1229526	1235901	1231266	1230016	1229157
1229527	1235902	1235836	1230019	1229158
1230534	1235903	1235837	1230021	
1230564	1214638	1235904	1230060	

INSTRUMENTATION AND WORK DONE

MAGNETOMETER SURVEY

The magnetometer survey was carried out using an Envi Magnetometer made by Scintrex Ltd. The Envi Mag has the capability to measure the total field and using an Envi Magnetometer as a station for correcting magnetic drift. These are total field magnetometers which measure the magnetic field through the use of proton processional effects caused by the interaction of a magnetic field with a spin aligned, proton rich fluid. An instrument accuracy precision and resolution of 0.1 nt may be obtained with these instruments under ideal conditions. While in gradient mode the unit has the accurate means of measuring both the total field and the gradient of the total field and measuring both sensors simultaneously to calculate the true gradient. In gradient mode the instrument sharply defines the magnetic responses determined by the total field. It individually delineates closely spaced anomalies rather than collectively identifying them under one broad magnetic response. In gradient mode the instrument enables you to conduct a gradient survey during a magnetic storm because of the technique of simultaneously measuring the two sensors cancels out the effects of diurnal magnetic variations. The VLF allow you to read the vertical in-phase, vertical quadrature, total field strength, dip angle and the ability to obtain as many as 3 VLF stations, but at the time the VLF was not read. Microprocessors contained in these instruments allow for the collection of the readings along with the time and its position in digital form suitable for downloading to a computer for data processing.

A total of 47.85 kilometers of magnetic readings were taken and readings were taken along the lines at 12.5 meter station intervals. The field measurements were corrected for diurnal variations of the earth's magnetic field by direct subtraction of the base station readings from the

reading taken at the same moment in the field units. The corrected data was then downloaded to a computer and plotted on the total field magnetic map.

INTERPRETATION

The magnetic of the property is quite homogenous overall, with a relatively quiet background relief on the order of 100-200 nT which suggests granite area being interrupted with high amplitude anomalies in the order of 800-1200 nT above background which suggests intrusive rocks which may be the source of these anomalies which are mostly running in a north east direction.

The magnetic anomalies are of elongated feature in the center of the grid except over to the east side where the anomaly is more of a wide and long feature probably due to disseminated syngenetic magnetite and pyrrhotite content. These anomalies should looked at more carefully with induced polarization surveys and in conjunction with the geological mapping and sampling of the grid with utilizing the results for a drill target.

The magnetic anomalies run off the grid to the east and to the south which suggests that these areas be extended.

The magnetometer survey proved successful in finding anomalous areas which should be looked at in detail for its PGE potential.

CONCLUSIONS

With the presence of a favorable geological environment for the localization of PGE mineralization of economic importance to further evaluate the property's potential the writer recommends an on going work program over the remaining claims and areas not already covered on the property, consisting of line cutting, magnetometer and induced polarization surveys to locate areas of disseminated sulphides.

RECOMMENDED EXPLORATION PROGRAM

The following program is recommended to evaluate the property for its potential to host a PGE deposit.

- 1. Complete the line cutting as required to provide a control for geological, geochemical and geophysical work.
- 2. Geochemical sampling over target areas.
- 3. Magnetometer survey over areas not covered.
- 4. Detailed Induced Polarization survey.
- 5. Geological mapping and sampling.
- 6. Stripping, trenching over anomalous areas.

As a result of encouraging data obtained from the recently completed geophysics survey additional exploration on the property is recommended.

Daniel F. Patrie

Geology and Geophysical Technologist On Apple

December, 1999

PERSONNEL

Dan Patrie

Massey, Ontario

Bronson Ede

Walford, Ontario

Bryan Patrie

Massey, Ontario

Claude Dubreuil

Spanish, Ontario

Brent Patrie

Elliot Lake, Ontario

Henry Grimmard

Spanish, Ontario

Mark Fairburn

Massey, Ontario

Darryl Harper

Serpent River, Ontario

Lance Paradis

Spanish, Ontario

Claude Grimmard

Spanish, Ontario

REFERENCES

- J. A. Ayer, C. L. Baker, R. I. Kelly, G. M. Stott and P. C. Thurston, 1999, Ontario
 Geological Survey, Open File Report 6000, Summary of Field Work and Other Activities
 1999.
- 2. Ken J. Lapiere, Vice President, Exploration, Personal Communication.
- 3. Northern Miner and Press Releases etc.

CERTIFICATE OF OUALIFICATION

I, Daniel Patrie do hereby certify:

- 1. That I am a Geology and Geophysics Technologist and I reside at Hwy. 17 West, P.O. Box 45, Massey, Ont., Canada, POP 1PO,
- 2. I graduated from Cambrian College Of Applied Arts and Technology, Sudbury, Ontario, in 1987 with a diploma in Geological Technology with a one year certificate in Geophysics,
- 3. And I have practiced my profession continuously since graduation, as well as being an active prospector since 1972.
- 4. That my report on the River Valley PGE Property, North Grid, Sudbury Mining Division, Ontario, is based on my personal knowledge of the geology of the area, and on a review of published and unpublished information on the property and surrounding area.

Daniel F. Patrie

Ou los Geology and Geophysics Technologist (Dipl. T)

December, 1999

LETTER OF CONSENT

I, Daniel F. Patrie, of the Town of Massey, Ontario, do hereby consent to Mustang
Minerals Corp., using in whole or in part my Geophysics report on the River Valley PGE
Property, North Grid situated the District of Nippissing, Sudbury Mining Division in a prospectus of statement of material facts or for filing with government regulatory bodies as deemed necessary.

Dated at Massey, Ontario, this 5th day of December, 1999, in the District of Sudbury.

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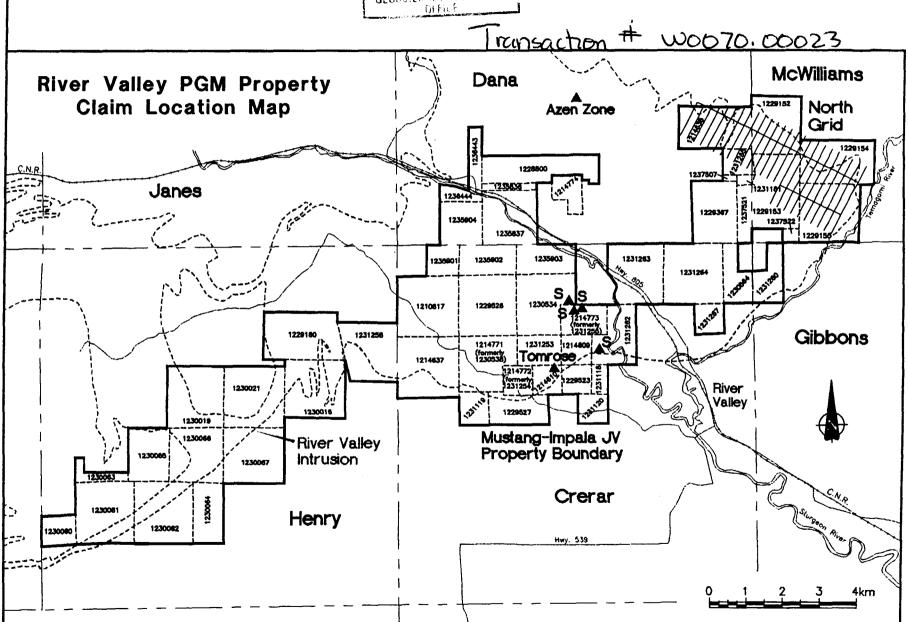
Daniel F. Patrie

Geology and Geophysics Technologist

RECEIV

GEOSCIENCE FOSES

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Timr (705

Geophysical North Grid Fred Geophysical **McWilliams** River Valley PGM Property Dana Figure 3: Claim Location Map Azen Zone 1228800 Janes 1236444 1229367 1235904 1237522 1235837 1235903 1231263 1235901 1235902 1231264 1229526 1210817 1231258 1231253 1214609 1214771 Tomrose. Gibbons 1214637 River 1230021 Valley **∮**″ii 1230016 1230019 Mustang-Impala JV Property Boundary 1230066 River Valley Intrusion 1230067 1230063 Crerar 1230061 Henry Hwy 539 (Must_imp_JV_Clms.dwg; Jan. 11, 2000)



Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 65(3), R.S.O. 1990

Transaction Number (office use)

UU0 70. 0003

Assessment Files Research Imaging



sections 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, this nt work and correspond with the mining land holder. Questions about this collection and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 685.

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Instructions: - For work performed on Crown Lands before recording a claim, use form 0240.

- Please type or print in ink.

North Grid

1. Recorded holder(s) (Attach a list if ne	cessary)			
Name Mustam Mineral	CXD.		Client Number 30	>3851
Address PO BOX 1433			Telephone Number	267-7389
Timmins Dat			Fax Number_	267.7389
Name			Client Number	201-138-1
Address	7		Telephone Number	
	***		Fax Number	
2. Type of work performed: Check (✓) a	nd report on only C	ONE of the following	g groups for this	declaration.
Geotechnical: prospecting, surveys, assays and work under section 18 (reg		ysical: drilling strip		Rehabilitation
Work Type Lineco Him.				Office Use
Geophysics-Maynet	oneter		Commodity	1
			Total \$ Value of Work Claimed	23,927
Delee Work From C1 10 QQ Performed Day Month Year	To 30 I	1 99	NTS Reference	
Global Positioning System Data (if available) Township/A	™ Dana/M	Levilliams	Mining Division	Sudpury
M or G-Pten	Number		Resident Geologis District	Sudbury
Please remember to: - obtain a work permit - provide proper notice - complete and attach - provide a map showi - include two copies of	e to surface rights has a Statement of Coordinate of Coordinate of Coordinate of Coordinate of the state of t	olders before start sts, form 0212; ng lands that are li	ing work;	g work;
3. Person or companies who prepared t	he technical repo			
Name Dan Patrie Explorati	on Ltc1		Telephone Number	-844.2113
Address Hwy. 17 West POBox		On POPIPO	Eav Mumber	- 844 -2057
Name			Telephone Number	
Address	RECEIV	ED	Fax Number	
Name	FEB 0 3 23	60	Telephone Number	The state of the s
Address	GEOSCIENCE ASSE		Fax Númber	HDALL -
4. Certification by Recorded Holder or A I. Ken Lagerre (Print Name) this Declaration of Assessment Work having	Agent , do hereby o	certify that I have p		ge of the facts set forth in
completion and, to the best of my knowledge				or arrived to
				Date Feb 3/80

Revised.

work

KLVISEO

FEB 04 '00 10:51 FR DEDSCIENCE ASSESSMENT

FER 04 '00 10:51 FR GEOSCIENCE ASSESSMENT

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P. 02/02

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (edjoining) to the milling land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

W0070.00023 Mining Claim Number. Or if Number of Claim Value of work Value of work Value of work Bank, Value of Viork work was done on other eligible mining land, show in this Units. For other performed on this applied to this assigned to other la be distributed mining land, list claim or other mining daims. at a future date column the location number hectares. mining land. Indicated on the claim map TB 7827 16 ha \$26,825 N/A \$24,000 \$2,625 **e**g 1234567 0 ٥ 12 \$24,000 **9**9 0 1234568 2 \$ 8,892 \$ 4,000 ٥ \$4,892 00 12146381331265 1 15 6,000 6,000 193 2 2312651 2 4 1,193 1,000 16 3 1220155 6.400 4.400 4 15 4,000 1229153. 6,000 51.943 5 1229154. 15 1,000 1229152. 8 2.385 2,385 12 9 10 11 12 13 14 15 Column Totals 22785 pierse _ , 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. Signature of Recorded Holder or Agent Authorized in Writing Spierre עווושכ טפוווש Deemed Approved Date **Date Notification Sent** Date Approved Total Value of Credit Approved Approved for Recording by Mining Recorder (Signature) 0241 (03/97)

RECEIVED

FEB 0 3 2000

GEOSCIENCE ASSESSMENT OFFICE



212 (03/97)

Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use)

Personal 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 Act, 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 collection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 385.

	i K		North	
Work Type	Units of work Depending on the type of work, list the n hours/days worked, metres of drilling, kil grid line, number of samples, etc.		Cost Per Unit of work	Total Cost
Lineattina	47.85		\$321/km	15,360
Lineasting Magnetometer	41.85		96.30/km	4,608
Report				1,200
Supervision	6 days		\$ 350 day	2,100
Associated Costs (e.g. supp	olies, mobilization and demobiliza	tion).		
Trans	portation Costs			
f-111	eage 1,69.8km x .3	Ø		500
Food a	nd Lodging Costs			
	3days		\$50 day	150
	RECEIVED	Total Va	lue of Assessment Work	23,927
If work is filed after two years an	FEB 0 3 2383 GEOSCIENCE ASSESSMENT of the commander of t	, it can only	be claimed at 50% of the	ork. Fotal
TOTAL VALUE OF ASSESSMENT	WORK	x 0.50 =	Total \$ value of	worked claimed.
request for verification and/or co Minister may reject all or part of tification verifying costs: (please print full name) determined and the costs were in	ed to verify expenditures claimed in rection/clarification. If verification at the assessment work submitted. , do hereby certify, that the ancurred while conducting assessment	mounts sho	wn are as accurate as may	reasonably
claration of Work form as Mos	ded holder, agent, or state company position with a	igning authority)	L I am authorized to make	uns ceruncation.
•	Signature	60	Palo	en zlan

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

May 31, 2000

MUSTANG MINERALS CORP. 120 ADELAIDE STREET WEST SUITE 514 TORONTO,, ONTARIO M5H-1T1 **Ontario**

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

Dear Sir or Madam:

Submission Number: 2.20077

Status

Subject: Transaction Number(s):

W0070.00023 Approval After Notice

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

Steven B. Benetaw

Mining Lands Section

Work Report Assessment Results

Submission Number:

2.20077

Date Correspondence Sent: May 31, 2000

Assessor: BRUCE GATES

Transaction

First Claim

Number

Township(s) / Area(s)

Status

Approval Date

W0070.00023

1214638

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Approval After Notice

May 30, 2000

Section:

Number

14 Geophysical MAG

The revisions outlined in the Notice dated May 1, 2000 have been marginally corrected. The grid location map should be at a more appropriate scale such that the work can be accurately located on the claim disposition and the grid co-ordinates should be labeled. All corrections are required in DUPLICATE.

Assessment work credit has been approved as outlined on the Declaration of Assessment Work Form accompanying this submission.

Correspondence to:

Recorded Holder(s) and/or Agent(s):

Resident Geologist

Ken Lapierre

Sudbury, ON

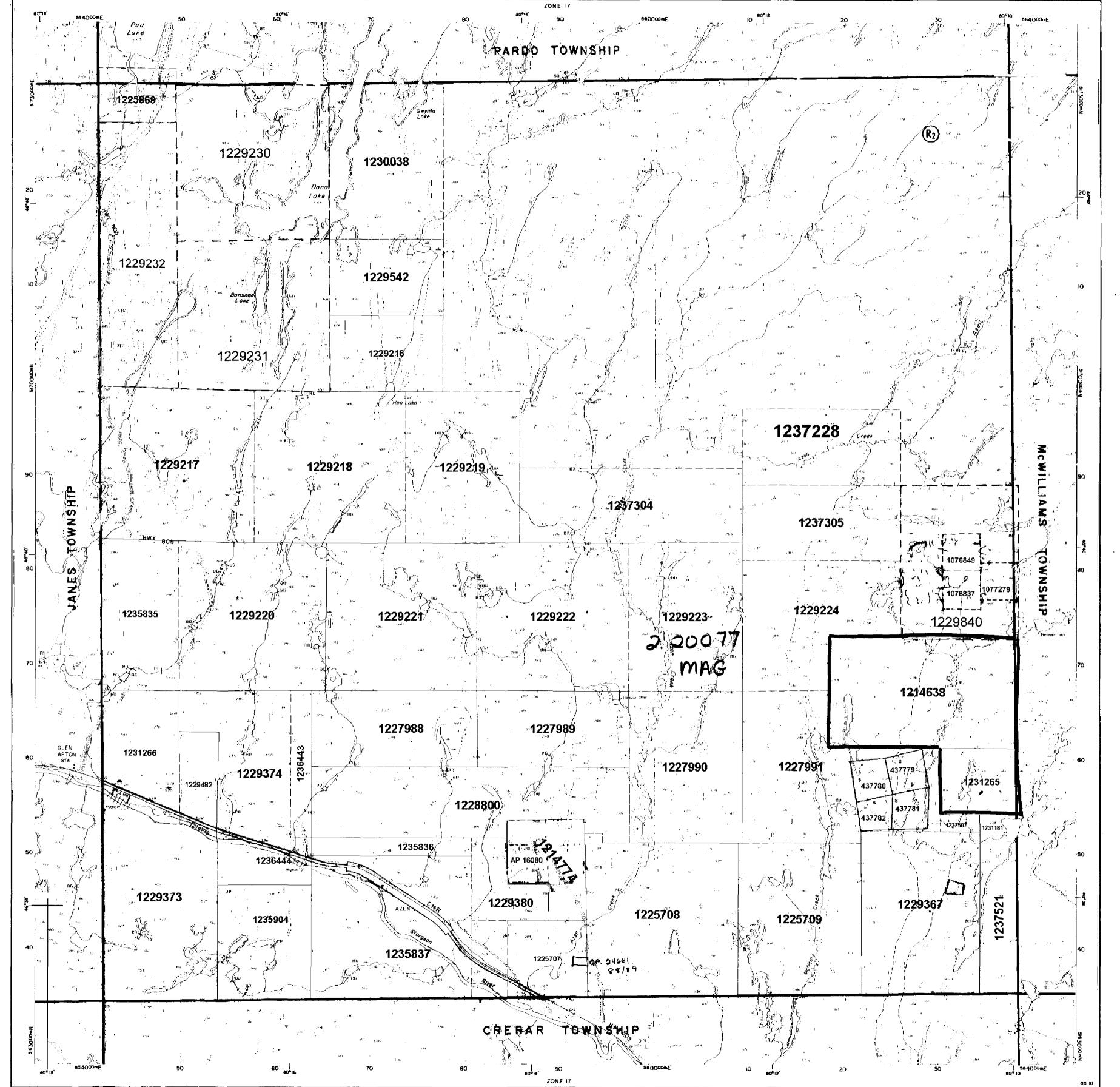
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Assessment Files Library

MUSTANG MINERALS CORP.

Sudbury, ON

TORONTO,, ONTARIO





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Ministry of Natural Resources

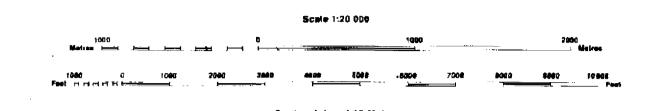
Ministry of Northern Development and Mines

INDEX TO LAND DISPOSITION

G-2904
TOWNSHIP

DANA

M.N.R. ADMINISTRATIVE DISTRICT
NORTH BAY
MINING DIVISION
SUDBURY
LAND TITLES/REGISTRY DIVISION
NIPISSING



SYMBOLS

Boundary
Township, Meridian, Baseline
Road allowance; surveyed
shoreline
Lot/Concession; surveyed
unsurveyed
unsurveyed

Parcel; surveyed
Right-of-way; road
railway
utility.

Reservation

Cliff, Pit, Pite

Contour
Interpolated
Approximate
Depression
Control point (horizontal)
Flooded land
Mine head frame
Pipeline (above ground)
Railway; single track
double track
abandoned
Road; highway, county, township
access
trail, bush
Shoreline (original)
Transmission line
Wooded area

AREAS WITHDRAWN FROM DISPOSTION

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

*C.38.80 0-8-22/84 03/05/84 M 0 8 M 0860

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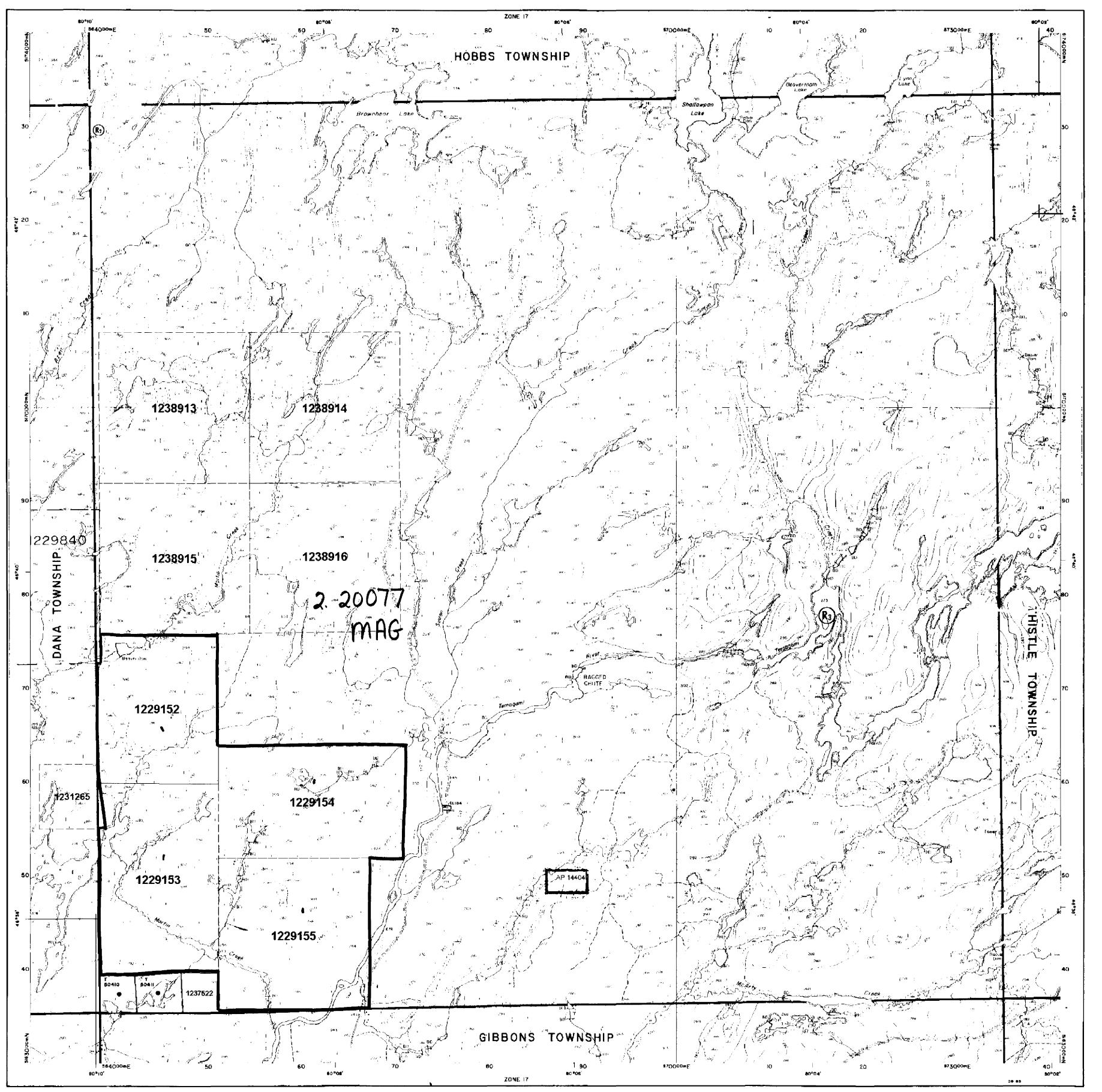
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DISPOSITION OF CROWN LANDS

Pa	tent	
	Surface & Mining Rights	•
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	Mining Rights Only	ě
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LA	ND USE PERMIT	ሗ

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, 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.

Map base and land 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.





Ministry of Northern Development and Mines

Ontario

INDEX TO LAND DISPOSITION

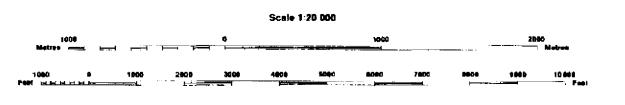
G-2910

McWILLIAMS

M.N.A. ADMINISTRATIVE DISTRICT NORTH BAY

MINING DIVISION SUDBURY LAND TITLES/REGISTRY DIVISION

NIPISSING



REFERENCES

AREAS WITHDRAWN FROM DISPOSTION

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

Tert of order W 2/88 RECPENSO by order

(E) Sec. 35 W-LL-C182/99 ONT 11/05/99 M & S

(E) SEC 35. W-LL-P139/99 ONT MAY 11/99 M&S (200 METERS FROM WATERS EDGE)

NOTES

SURCIVISION OF THIS TOWNSHIP INTO LOTS AND CONCESSIONS WAS

DISPOSITION OF CROWN LANDS

double track.....

SYMBOLS

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	
Cancelled	
Reservation	······
Sand & Gravel	
LAND USE PERMIT	
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THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, 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.

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

