



32E13NE0085 2.4333 LOWER DETOUR LAKE

010

Westmin Resources Limited

Nash Creek Claim Group

Geology

Assessment Report

Lower Detour Lake Area  
N.T.S. 32-E-13

Claims: P.553623-553662 incl.,  
P.553693-553731 incl.,  
P.575669-575671 incl.,  
P.577781-577791 incl.

**RECEIVED**

NOV 3 0 1981

**MINING LANDS SECTION**

July, 1981.

C. J. Rockingham, M.Sc.

L.D.

a) Location and Access

The Nash Creek claim block is located on the Ontario/Quebec boundary at latitude 49°54'. This is 82 miles NNW of La Sarre, Quebec, 84 miles NNE of Cochrane, and ten miles southeast of the Detour Lake gold mine. Access to the property in the summer is by float-equipped plane or helicopter from La Sarre or Cochrane. In the winter the property is accessible using the winter road from La Sarre to the Detour Lake gold mine. This road crosses the southwest part of the property on line 180W to 200W.

b) Property Status

The Nash Creek claim block consists of 93 unpatented mining claims that are wholly owned by Westmin Resources Limited (formerly Western Mines Limited) of 390 Bay Street, Suite 1414, Toronto, Ontario, M5H 2Y2.

The picket lines for this survey were cut by Ingamar Explorations Ltd. of Connaught, Ontario in March and April of 1981 and the property was mapped by the author and two assistants, Peter Harris and Kevin Slauenwhite, from May 27 - June 19, 1981.

The claims covered by this survey are as follows:

- P. 553623 - 553662 46
  - P. 553693 - 553731 39
  - P. 575669 - 575671 9
  - P. 577781 - 577791 11
- $$\frac{11}{93}$$

### c) History of Exploration

The first recorded exploration on the property is a diamond drill hole on Horner Lake in March 1959 (Lower Detour Lake Report No. 12). The 340 ft. hole intersected graphite, pyrite, pyrrhotite and magnetite in argillite although the core was dominantly, rhyolite, rhyolite breccia, and andesite. The next work recorded on this property was that of Amoco Canada Ltd. in January 1975. Amoco drilled two holes (14-1 703 ft., 14-2 583 ft., Lower Detour Lake Report No. 18) that are approximately located on the map as they could not be found on the ground and the location map in the assessment files is entirely inadequate. Both of these holes intersected graphite, pyrite and pyrrhotite within a sequence of interbedded mafic and felsic volcanic tuffs. In 1976 Amoco drilled two more holes (Lower Detour Lake Report No. 20). Both of these holes (18-1 741 ft. and 18-2 608 ft.) are almost entirely within mafic volcanic flows and neither satisfactorily explained the conductor. Hole 18-2 did however, intersect 3 ft. of 0.22% Cu, 0.23% Zn. and 0.09 oz/ton Ag. In 1980 the author along with Don Robinson and two assistants spent two weeks mapping the property as part of a more regional mapping program in the Detour Lake area.

### d) Geology

#### i) Pleistocene Geology

The Nash Creek claim block is covered by extensive areas of muskeg with only a few small ridges "down ice" from the outcrops. These ridges or "crag and tail" structures are prominent on the air-photos and have a consistent strike of 160° that is parallel to the

glacial striae. They are composed of calcareous sand and gravel that is in part derived from the James Bay Lowlands during one of the late Cochrane re-advances. The material underlying the muskeg is a less well sorted calcareous sand and gravel with a higher clay content that makes this material so impermeable. Based on the diamond drill data in the area the depth to bedrock probably averages 100 ft. across the whole property.

ii) Archean Geology

Unit 7 Diabase

The one exposed diabase dyke on the property occurs on line 20W at 25N. The rock has a orange-brown weathered surface and a green-grey fresh surface that is medium to coarse-grained with a typical diabase texture. The mineralogy is simple consisting predominantly of plagioclase, amphiboles after pyroxene and magnetite.

Unit 5b Diorite

One outcrop of diorite occurs on line 28W at 52S. The weathered surface is a patchy dark green and white. The fresh surface is massive, medium to coarse-grained and consists of approximately equal amounts of hornblende and feldspar with minor quartz.

#### 4 Chemical Metasediments

Chemical metasediments, such as chert, are not a mappable unit on this property. Nevertheless chert does occur as small lenses and pods in several of the outcrops along Nash Creek. In the intermediate to felsic tuffs on the north end of the property the chert occurs as discontinuous lenses that may be up to one foot thick and several feet long. They are buff white on the weathered surface and pale blue white on the fresh surface. The rock has a conchoidal fracture, is extremely fine-grained and very hard. Pyrite, and to a lesser extent pyrrhotite and chalcopyrite occur with the chert and, in hand specimen, may be up to 20% of the rock.

There is also a chert lense in the large outcrop on lines 20 and 24W at 8S. This occurrence is up to three feet thick and twenty feet long with minor associated pyrite, pyrrhotite, and chalcopyrite.

#### Unit 3 Clastic Metasedimentary Rocks

There are no outcrop exposures of clastic metasedimentary rocks on the Nash Creek claims although they have been described in both the Kesagami Syndicate and Amoco Canada diamond drill core (Lower Detour Lake reports No. 12, 18). These rocks are generally graphitic, very fine-grained and may or may not have associated pyrite and pyrrhotite.

## Unit 2 Felsic to Intermediate Volcanic Rocks

The intermediate to felsic volcanic rocks exposed on the property occur along Nash Creek on the north part of the property. The weathered surface is a beige white with a moderate to well developed foliation and numerous quartz eyes, 2 - 10 mm, and chloritic lapilli, 41 cm. The fresh surface is fine-grained, grey, with sericite alteration throughout. Disseminated pyrite and pyrrhotite occur with these rocks and may constitute up to 5% of the rock.

Thin units of intermediate composition are also found in almost all outcrops of mafic volcanic rock on the property. These units have a beige to white weathered surface and a slight purple tint on the fresh surface. They are more siliceous than the mafic volcanic rocks and have an aphanitic quartzofeldspathic groundmass.

## Unit 1 Mafic Volcanic Rocks

Mafic volcanic rocks are the dominant rock type exposed on the Nash Creek claims. The weathered surface is dark green and may be either massive or exhibit pillow structures. The massive mafic volcanic rocks vary from very fine-grained to coarse-grained flows or sills that are similar to the subvolcanic gabbros exposed elsewhere in the Detour Lake area. The pillowed mafic volcanic rocks are too deformed to determine the facing direction. Sulfide minerals associated

with the mafic volcanic rocks are very limited in extent and are limited to fractures and pillow interstices. In each case they constitute less than 5% of the rock.

iii) Structure

The only structural features observed on the property are the foliations indicated on the geological map. The intermediate to felsic volcanic rocks on the northeast have a consistent well developed foliation of  $105 - 110^\circ$  with a vertical dip. The mafic volcanics have a strike of  $80^\circ$  so that there may be a fold with the closure east of the Ontario-Quebec boundary near the baseline.

## Qualifications of the Author

### Education:

B.Sc., 1972 U. of Toronto (Biology and Chemistry)

M.Sc. 1979 U. of Western Ontario (Geology)

### Memberships:

Fellow Geological Association of Canada

Member Canadian Institute of Mining and Metallurgy

Member Geological Association of America

Associate Member Society of Economic Geologists

### Occupation:

Project Geologist Westmin Resources Limited

Qualifications  
on file 2.3164.



## EXPENDITURE BREAKDOWN

1. Linecutting - as per invoices	\$22,776.12
2. Geological Mapping - 31 man days \$150/day	\$ 4,650.00
	<hr/>
	\$27,426.12



AMAR EXPLORATIONS LIMITED  
 CEDAR HILL, CONNAUGHT, ONTARIO  
 PON 1A0

OUR NUMBER	102480
DATE	April 15, 1981
CUSTOMER'S ORDER	
SALESMAN	
TERMS	

SOLD TO Western Mines Limited  
Suite 1414, 390 Bay Street, TORONTO, Ont. M5H 2Y2  
 SHIPPED TO \_\_\_\_\_  
 ADDRESS \_\_\_\_\_ VIA \_\_\_\_\_

INVOICE

RE: OUR PROJECT #81-19					
Nash Creek Area Linecutting					
76.59 Miles of Line cut and chained @ \$265.00/mile				20296.35	✓
<i>PRECIOUS METALS</i>					
QUANTITY	SUBSTRATE	PRICE	AMOUNT		
50271	332		20,296.35		

*P86 CR* 20,296.35

INE

16	2725	4558
20	2975	4512
24	2986	4460
28	2925	4460
32	2958	4462
36	1340	4412
40	1350	4420
44	1428	4425
48	1430	4360
52	1406	4357
56	1425	5940
60	1460	6000
64	1475	6000
68	1500	6000
72	1440	6000

WESTERN MINES LIMITED

390 BAY STREET, TORONTO, ONTARIO  
M5H 2Y2

No. 02282

DATE May 15, 19 81

WESTERN MINES LIMITED  
TORONTO IMPREST ACCOUNT

\$ 24,476.35

WESTERN MINES LIMITED  
TORONTO IMPREST ACCOUNT

PAY TO THE  
ORDER OF

INGAMAR EXPLORATIONS LIMITED

*H.A. [Signature]*  
NOT NEGOTIABLE

BANK OF MONTREAL  
MAIN BRANCH  
VANCOUVER, B.C., CANADA

IN PAYMENT OF: WESTERN MINES LIMITED

Invoice No. 102480 dated April 15, 1981 .. \$20,296.35  
" 102481 " April 16, 1981 .. 4,180.00

\$24,476.35

INGAMAR EXPLORATIONS LIMITED

BANK OF MONTREAL  
MAIN BRANCH  
VANCOUVER, B.C., CANADA

FOR DEPOSIT ONLY  
INGAMAR EXPLORATIONS LIMITED  
Acct. No. 42-0148

WESTERN MINES LIMITED

390 BAY STREET TORONTO, ONTARIO CANADA

WESTERN MINES LTD. 811 and 12018

PAY TO THE ORDER OF

CAMAR EXPLORATIONS LIMITED

BANK OF MONTREAL  
VANCOUVER B.C. CANADA

CAMAR EXPLORATIONS LIMITED  
Act No. 4607018

TO THE ORDER OF

WESTERN MINES LIMITED



# WESTERN MINES LIMITED

DIVISION EXPLORATION

## SALARY DISTRIBUTION — EXPLORATION

No. PETER MARRIS

Month MAY

19 81

Day	Project/Location	AFE No.	Day	Project/Location	AFE
1			16	TURGEON TURGEON	
2			17	" "	
3			18	" "	
4			19	" "	
5			20	" "	
6			21	" "	
7			22	" NORANDA	
8			23	" "	
9			24	" "	
10			25	" "	
11			26	" "	
12			27	" "	
13	TURGEON TORONTO		28	" "	
14	NORANDA		29	" "	
15	TURGEON		30	" "	
			31	" "	

Bonus days earned\* ..... Nil  
 Cumulative bonus days previous month ..... Nil  
 Bonus days taken ..... Nil  
 Cumulative bonus days this month ..... Nil

Distribution: Project	Total Days	%
<u>TURGEON</u>	<u>19</u>	

\* The basic work week is 5½ days per week

Vacation days taken ..... \_\_\_\_\_  
 Sick days taken ..... \_\_\_\_\_

APPROVED: [Signature]

**SPECIAL CODE**  
 P — Public holiday; V — Paid vacation; S — Sick; B.D. — Bonus days taken.

# WESTERN MINES LIMITED

DIVISION EXPLORATION

## SALARY DISTRIBUTION – EXPLORATION

Name PETER HARRIS

Month JUNE

195

Day	Project/Location	AFE No.	Day	Project/Location	AF
1	DETOUR (NASH CK.) / ONT		16	NASH CK (DETOUR) / ONT	
2	" " " ✓		17	" " ✓	
3	BELTRAND / QUE		18	" " ✓	
4	" " ✓		19	" " ✓	
5	" " ✓		20	TURGEON / QUE	
6	" " ✓		21	" " ✓	
7	" " ✓		22	" " ✓	
8	TURGEON / QUE		23	" " ✓	
9	BERTRAND / QUE		24	" " ✓	
10	TURGEON / QUE		25	" " ✓	
11	" " ✓		26	" " ✓	
12	" " ✓		27	" " ✓	
13	" " ✓		28	" " ✓	
14	" " ✓		29	" " ✓	
15	" " ✓		30	" " ✓	
			31		

Bonus days earned\* ..... \_\_\_\_\_

Cumulative bonus days previous month ..... N/A

Bonus days taken ..... N/A

Cumulative bonus days this month ..... \_\_\_\_\_

Distribution: Project	Total Days	%
DETOUR	6	20
TURGEON	18	60
BERTRAND	6	20

\* The basic work week is 5½ days per week

Vacation days taken ..... \_\_\_\_\_

Sick days taken ..... \_\_\_\_\_

APPROVED: R.H. McMillan

**SPECIAL CODE**

P – Public holiday;    V – Paid vacation;    S – Sick;    B.D. – Bonus days taken.

# WESTERN MINES LIMITED

DIVISION EXPLORATION

## SALARY DISTRIBUTION – EXPLORATION

Name C. ROCKINGHAM Month MAY 19 81

Day	Project/Location	AFE No.	Day	Project/Location	AFE No.
1	TURGEON / TORONTO		16	TURGEON / TURGEON	SAT
2			17	" "	1.5 SUN
3			18	" "	P
4	" "		19	" "	
5	DETOUR		20	" "	
6	" "		21	" "	
7	TURGEON		22	" "	
8	" "		23		
9			24	" "	SAT 1.5 SUN
10			25	" "	
11	DETOUR		26	" "	
12	" "		27	" "	
13	" "		28	" "	
14	TURGEON NORANDA		29	" "	
15	" TURGEON		30	" "	
			31	" "	SAT 1.5 SUN

Bonus days earned\* ..... 4.5  
 Cumulative bonus days previous month ..... 3.1  
 Bonus days taken ..... \_\_\_\_\_  
 Cumulative bonus days this month ..... 2.5

Distribution: Project	Total Days	%
DETOUR	5	
TURGEON	21	

\* The basic work week is 5½ days per week

Vacation days taken ..... \_\_\_\_\_  
 Sick days taken ..... \_\_\_\_\_

APPROVED: R. H. McManis

**SPECIAL CODE**  
 P – Public holiday; V – Paid vacation; S – Sick; B.D. – Bonus days taken.



# WESTERN MINES LIMITED

DIVISION EXPLORATION

## SALARY DISTRIBUTION — EXPLORATION

Name CHRIS ROCKINGHAM Month JUNE 19 81

Day	Project/Location	AFE No.	Day	Project/Location	AFE No.
1	TURGEON / TURGEON QUE		16	TURGEON TURGEON QUE	
2	DETOUR NASH CREEK ONT		17	" "	
3	TURGEON TURGEON QUE		18	" "	
4	" " ✓		19	" "	
5	" " ✓		20	" "	
6	" " ✓ SAT		21	" "	SAT 1.5
7	" " ✓ 1.5 SUN		22	" TORONTO	SUN
8	" " ✓		23	" "	
9	" " ✓		24	DETOUR (NASH CREEK) "	
10	" " ✓		25	" " " "	
11	B.D.		26	" " " "	
12	" 1/2 B.D. / ONT		27		SAT
13		SAT	28		SUN
14		SUN	29	" "	
15	TURGEON TURGEON / QUE		30	" "	
			31		

Bonus days earned\* ..... 3.0  
 Cumulative bonus days previous month ..... 7.5  
 Bonus days taken ..... 1.5  
 Cumulative bonus days this month ..... 9.0

Distribution: Project	Total Days	%
DETOUR	6	25
TURGEON	18 1/2	75

\* The basic work week is 5 1/2 days per week

Vacation days taken ..... \_\_\_\_\_  
 Sick days taken ..... \_\_\_\_\_

APPROVED: *[Signature]*

**SPECIAL CODE**

P — Public holiday; V — Paid vacation; S — Sick; B.D. — Bonus days taken.

# WESTERN MINES LIMITED

DIVISION EXPLORATION

## SALARY DISTRIBUTION – EXPLORATION

Name C. ROCKINGHAM Month JULY 19 81

Day	Project/Location	AFE No.	Day	Project/Location	AFE No.
1	DETOUR TORONTO		16	DETOUR TORONTO	
2	DETOUR TORONTO		17	Au GEN "	
3	" "		18		
4			19		
5			20	DETOUR "	
6	" "		21	B.D.	
7	" "		22	B.D.	
8	TURGEON "		23	DETOUR "	
9	" "		24	" "	
10	DETOUR "		25		
11			26		
12			27	B.D. "	
13	B.D.		28	DETOUR "	
14	DETOUR "		29	" "	
15	" "		30	" "	
			31	" "	

Bonus days earned\* ..... —  
 Cumulative bonus days previous month ..... 9  
 Bonus days taken ..... 4  
 Cumulative bonus days this month ..... 5

Distribution: Project	Total Days	%
DETOUR	15	83
TURGEON	2	11
Au GENERATIVE	1	6

\* The basic work week is 5½ days per week

Vacation days taken ..... \_\_\_\_\_  
 Sick days taken ..... \_\_\_\_\_

APPROVED: R.H. [Signature]

**SPECIAL CODE**  
 P – Public holiday; V – Paid vacation; S – Sick; B.D. – Bonus days taken.

# WESTERN MINES LIMITED

DIVISION EXPLORATION

## SALARY DISTRIBUTION — EXPLORATION

Name KEVIN SLAUVENWHITE

Month May 1981

Day	Project/Location	AFE No.	Day	Project/Location	AFE
1			16	TURGEON TURGEON	
2			17	" "	
3			18	" "	
4			19	" "	
5			20	" "	
6			21	" "	
7			22	" "	
8			23	" "	
9			24	" "	
10			25	" "	
11			26	" "	
12			27	" "	
13			28	" "	
14	TURGEON MONTREAL		29	" "	
15	TURGEON		30	" "	
			31	" "	

Bonus days earned\* \_\_\_\_\_  
 Cumulative bonus days previous month NTA  
 Bonus days taken NTA  
 Cumulative bonus days this month \_\_\_\_\_

Distribution: Project	Total Days	%
<u>TURGEON</u>	<u>18</u>	

\* The basic work week is 5½ days per week  
 Vacation days taken \_\_\_\_\_  
 Sick days taken \_\_\_\_\_

APPROVED: R. G. [Signature]

**SPECIAL CODE**  
 P — Public holiday;    V — Paid vacation;    S — Sick;    B.D. — Bonus days taken.

# WESTERN MINES LIMITED

DIVISION EXPLORATION

## SALARY DISTRIBUTION — EXPLORATION

Name KEVIN SLAUVENWHITE Month JUNE 1988

Day	Project/Location	AFE No.	Day	Project/Location	AFE
1	BASE METALS / NORANDA		16	NASH CREEK <sup>DETOUR</sup> / DNT	
2	NASH CK TURGEON / QUE		17	" " " "	
3	BERTRAND		18	" " " "	
4	"		19	" " " "	
5	"		20	TURGEON / QUE	
6	"		21	" " " "	
7	"		22	" " " "	
8	BASE METALS / QUE		23	" " " "	
9	BERTRAND		24	" " " "	
10	BASE METALS		25	" " " "	
11	" "		26	" " " "	
12	" "		27	" " " "	
13	" "		28	" " " "	
14	" "		29	" " " "	
15	" "		30	" " " "	
			31		

Bonus days earned\* ..... N/A  
 Cumulative bonus days previous month ..... N/A  
 Bonus days taken .....       
 Cumulative bonus days this month .....     

Distribution: Project	Total Days	%
<u>BASE METALS GEN</u>	<u>8</u>	
<u>BERTRAND</u>	<u>6</u>	
<u>DETOUR</u>	<u>5</u>	
<u>TURGEON</u>	<u>11</u>	

\* The basic work week is 5½ days per week

Vacation days taken .....       
 Sick days taken .....     

APPROVED: R.A. [Signature]

**SPECIAL CODE**  
 P — Public holiday;    V — Paid vacation;    S — Sick;    B.D. — Bonus days taken.



32E13NE0085 2.4333 LOWER DETOUR LAKE

900

1982 11 05

2.4333

Mining Recorder  
Ministry of Natural Resources  
60 Wilson Avenue  
Timmins, Ontario  
P4N 2S7

Dear Sir:

RE: Geological Survey on Mining Claims P 553623  
et al in the Area of Lower Detour Lake

---

The Geological Survey assessment work credits as listed with my Notice of Intent dated September 7, 1982 have been approved as of the above date.

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

Yours very truly

E.F. Anderson  
Director  
Land Management Branch

Whitney Block, Room 6450  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone: 416/965-1380

A. Barrisc

cc: Westmin Resources Limited  
Toronto, Ontario

cc: Resident Geologist  
Timmins, Ontario



Ministry of  
Natural  
Resources

SEPT 28, 1982

Your file:

Our file: 2.4333

September 7, 1982

Mr. William L. Good  
Mining Recorder  
Ministry of Natural Resources  
60 Wilson Avenue  
Timmins, Ontario  
P4N 2S7

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.

Yours very truly,

E.F. Anderson  
Director  
Lands Administration Branch  
Whitney Block, Room 6450  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone: 416/965-1316

/las

Encl.

cc Westmin Resources Limited  
Toronto, Ontario

cc Mr. G. H. Ferguson, Q.C.  
Mining & Lands Commissioner  
Toronto, Ontario



Ministry of  
Natural  
Resources

Notice of Intent  
for Technical Reports

**File 2.4333**

**September 7, 1982**

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 Lands Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.

Recorded Holder <b>Westmin Resources Limited</b>
Township or Area <b>Lower Detour Lake Area</b>

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
<b>Geophysical</b>	
Electromagnetic _____ days	P 553623 to 25, inclusive
Magnetometer _____ days	P 553627 to 51, inclusive
Radiometric _____ days	P 553655
Induced polarization _____ days	P 553658 to 62, inclusive
	P 553693 to 727, inclusive
	P 553730 - 31
	P 575669 to 71, inclusive
	P 577781 to 83, inclusive
	P 577786 to 88, inclusive
	P 577791
Section 86 (18) _____ days	
Geological <u>40</u> days	
Geochemical _____ days	
Man days <input type="checkbox"/> Airborne <input type="checkbox"/>	
Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/>	
<input type="checkbox"/> Credits have been reduced because of partial coverage of claims.	
<input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	

**Special credits under section 86 (15a) for the following mining claims**

10 days	20 days	30 days
P 553654	P 553653	P 553626
P 553729	P 577790	P 553652
		P 553656 - 57
		P 553728
		P 577789

**No credits have been allowed for the following mining claims**

<input checked="" type="checkbox"/> not sufficiently covered by the survey	<input type="checkbox"/> Insufficient technical data filed
P 577784 - 85	

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 86(18)-60:





Ontario

553623

20333

Ministry of  
Natural  
Resources

Notification of recording  
of assessment work credits

Lands Administration Branch  
Mining Lands Section  
Ministry of Natural Resources  
Room 1617, Whitney Block  
Queen's Park, Toronto  
M7A 1W3

**RECEIVED**

DEC 16 1981

**MINING LANDS SECTION**

Date of recording of work: November 30, 1981

Recorded holder: Westmin Resources Limited  
390 Bay Street, Suite 1414,  
Address: Toronto, Ontario M5H 2Y2

Township or Area: LOWER DETOUR LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining claims
Geophysical	See Attached List.
Electromagnetic _____ days	
Magnetometer _____ days	
Radiometric _____ days	
Induced polarization _____ days	
Section <del>75</del> <sup>77 19</sup> (42) _____ days	
Geological <u>40</u> _____ days	
Geochemical _____ days	
Man days <input type="checkbox"/>	Airborne <input type="checkbox"/>
Special provision <input type="checkbox"/>	Ground <input type="checkbox"/>

Notice to recorded holder:

- Survey reports and maps in duplicate be submitted to the Lands Administration Branch, Toronto within 60 days from the date of recording of this work.
- Reports and maps are being forwarded to the Lands Administration Branch with this letter.

Regional Mining Recorder

c.c. Westmin Resources Limited

SCHEDULE "A"

<u>Claim</u>	<u>Geology</u>	<u>Linecutting</u>	<u>Claim</u>	<u>Geology</u>	<u>Linecutting</u>
1. P.553623	20 days	20 days	48. P.553700	20 days	20 days
2. P.553624	20 "	20 "	49. P.553701	20 "	20
3. P.553625	20 "	20 "	50. P.553702	20 "	20
4. P.553626	20 "	20 "	51. P.553703	20 "	20
5. P.553627	20 "	20 "	52. P.553704	20 "	20
6. P.553628	20 "	20 "	53. P.553705	20 "	20
7. P.553629	20 "	20 "	54. P.553706	20 "	20
8. P.553630	20 "	20 "	55. P.553707	20 "	20
9. P.553631	20 "	20 "	56. P.553708	20 "	20
10. P.553632	20 "	20 "	57. P.553709	20 "	20
11. P.553633	20 "	20 "	58. P.553710	20 "	20
12. P.553634	20 "	20 "	59. P.553711	20 "	20
13. P.553635	20 "	20 "	60. P.553712	20 "	20
14. P.553636	20 "	20 "	61. P.553713	20 "	20
15. P.553637	20 "	20 "	62. P.553714	20 "	20
16. P.553638	20 "	20 "	63. P.553715	20 "	20
17. P.553639	20 "	20 "	64. P.553716	20 "	20
18. P.553640	20 "	20 "	65. P.553717	20 "	20
19. P.553641	20 "	20 "	66. P.553718	20 "	20
20. P.553642	20 "	20 "	67. P.553719	20 "	20
21. P.553643	20 "	20 "	68. P.553720	20 "	20
22. P.553644	20 "	20 "	69. P.553721	20 "	20
23. P.553645	20 "	20 "	70. P.553722	20 "	20
24. P.553646	20 "	20 "	71. P.553723	20 "	20
25. P.553647	20 "	20 "	72. P.553724	20 "	20
26. P.553648	20 "	20 "	73. P.553725	20 "	20
27. P.553649	20 "	20 "	74. P.553726	20 "	20
28. P.553650	20 "	20 "	75. P.553727	20 "	20
29. P.553651	20 "	20 "	76. P.553728	20 "	20
30. P.553652	20 "	20 "	77. P.553729	20 "	20
31. P.553653	20 "	20 "	78. P.553730	20 "	20
32. P.553654	20 "	20 "	79. P.553731	20 "	20
33. P.553655	20 "	20 "	80. P.575669	20 "	20
34. P.553656	20 "	20 "	81. P.575670	20 "	20
35. P.553657	20 "	20 "	82. P.575671	20 "	20
36. P.553658	20 "	20 "	83. P.577781	20 "	20
37. P.553659	20 "	20 "	84. P.577782	20 "	20
38. P.553660	20 "	20 "	85. P.577783	20 "	20
39. P.553661	20 "	20 "	86. P.577784	20 "	20
40. P.553662	20 "	20 "	87. P.577785	20 "	20
41. P.553693	20 "	20 "	88. P.577786	20 "	20
42. P.553694	20 "	20 "	89. P.577787	20 "	20
43. P.553695	20 "	20 "	90. P.577788	20 "	20
44. P.553696	20 "	20 "	91. P.577789	20 "	20
45. P.553697	20 "	20 "	92. P.577790	20 "	20
46. P.553698	20 "	20 "	93. P.577791	20 "	20
47. P.553699	20 "	20 "			

L.O.

SCHEDULE "A"

<u>Claim</u>	<u>Geology</u>	<u>Linecutting</u>	<u>Claim</u>	<u>Geology</u>	<u>Linecutting</u>
1. P.553623	20 days	20 days	48. P.553700	20 days	20 days
2. P.553624	20 "	20 "	49. P.553701	20 "	20
3. P.553625	20 "	20 "	50. P.553702	20 "	20
4. P.553626	20 "	20 "	51. P.553703	20 "	20
5. P.553627	20 "	20 "	52. P.553704	20 "	20
6. P.553628	20 "	20 "	53. P.553705	20 "	20
7. P.553629	20 "	20 "	54. P.553706	20 "	20
8. P.553630	20 "	20 "	55. P.553707	20 "	20
9. P.553631	20 "	20 "	56. P.553708	20 "	20
10. P.553632	20 "	20 "	57. P.553709	20 "	20
11. P.553633	20 "	20 "	58. P.553710	20 "	20
12. P.553634	20 "	20 "	59. P.553711	20 "	20
13. P.553635	20 "	20 "	60. P.553712	20 "	20
14. P.553636	20 "	20 "	61. P.553713	20 "	20
15. P.553637	20 "	20 "	62. P.553714	20 "	20
16. P.553638	20 "	20 "	63. P.553715	20 "	20
17. P.553639	20 "	20 "	64. P.553716	20 "	20
18. P.553640	20 "	20 "	65. P.553717	20 "	20
19. P.553641	20 "	20 "	66. P.553718	20 "	20
20. P.553642	20 "	20 "	67. P.553719	20 "	20
21. P.553643	20 "	20 "	68. P.553720	20 "	20
22. P.553644	20 "	20 "	69. P.553721	20 "	20
23. P.553645	20 "	20 "	70. P.553722	20 "	20
24. P.553646	20 "	20 "	71. P.553723	20 "	20
25. P.553647	20 "	20 "	72. P.553724	20 "	20
26. P.553648	20 "	20 "	73. P.553725	20 "	20
27. P.553649	20 "	20 "	74. P.553726	20 "	20
28. P.553650	20 "	20 "	75. P.553727	20 "	20
29. P.553651	20 "	20 "	76. P.553728	20 "	20
30. P.553652	20 "	20 "	77. P.553729	20 "	20
31. P.553653	20 "	20 "	78. P.553730	20 "	20
32. P.553654	20 "	20 "	79. P.553731	20 "	20
33. P.553655	20 "	20 "	80. P.575669	20 "	20
34. P.553656	20 "	20 "	81. P.575670	20 "	20
35. P.553657	20 "	20 "	82. P.575671	20 "	20
36. P.553658	20 "	20 "	83. P.577781	20 "	20
37. P.553659	20 "	20 "	84. P.577782	20 "	20
38. P.553660	20 "	20 "	85. P.577783	20 "	20
39. P.553661	20 "	20 "	86. P.577784	20 "	20
40. P.553662	20 "	20 "	87. P.577785	20 "	20
41. P.553693	20 "	20 "	88. P.577786	20 "	20
42. P.553694	20 "	20 "	89. P.577787	20 "	20
43. P.553695	20 "	20 "	90. P.577788	20 "	20
44. P.553696	20 "	20 "	91. P.577789	20 "	20
45. P.553697	20 "	20 "	92. P.577790	20 "	20
46. P.553698	20 "	20 "	93. P.577791	20 "	20
47. P.553699	20 "	20 "			



Mining Lands Comments

L.D.

You wanted to see this survey again.  
Within

To: Geophysics

Comments

Approved

Wish to see again with corrections

Date

Signature

To: Geology - Expenditures

Mr. Kustra

Comments

Approved

Wish to see again with corrections

Date

Signature

July 21/82 Kustra

To: Geochemistry

Comments

Approved

Wish to see again with corrections

Date

Signature

To: Mining Lands Section, Room 6462, Whitney Block.

(Tel: 5-1380)



Westmin Resources Limited  
Suite 1414, 390 Bay Street  
Toronto, Ontario, Canada  
M5H 2Y2  
416 364-8116 Telex: 06-22072

<b>RECEIVED</b>	
Land Management Branch	
CIRCULATE	<input checked="" type="checkbox"/>
COMMENTS PLEASE	<input type="checkbox"/>
BY	
JUN 28 1982	
E. F. ANDERSON	
J. R. MORTON	
J. C. SMITH	
J. M. ...	
RETURN TO R 6450	

REGISTERED MAIL

June 24, 1982.

Ministry of Natural Resources,  
Land Management Branch,  
Whitney Block, Room 6450,  
Queen's Park,  
Toronto, Ontario.  
M7A 1W3.

Attention: Mr. F. W. Matthews

Re: Your File: 2.4333

2.4333

Dear Sir:

Please find enclosed two maps Nash Creek Geology, that we are returning to your office after completion of the information, as required in your letter of 31 May 1982.

Thank you, and we hope you will find everything in order.

Yours truly,

WESTMIN RESOURCES LIMITED

(Mrs.) S. Kuprejanov,  
Administrative Geologist.

SK/hmc  
Encls.

1982 05 31

2.4333

Westmin Resources Limited  
Attn: Mr. C.J. Rockingham, M.Sc.  
Suite 1414 - 390 Bay Street  
TORONTO, Ontario  
M5H 2Y2

Dear Sir:

Re: Geological Survey submitted on Mining Claims P553623  
et al in the Area of Lower Detour Lake Area

Enclosed are the plans (in duplicate) for the above-mentioned survey. In order to complete your submission, the following information is required on these maps:

- a) Outcrop must be designated by colour and by a number corresponding to the rock type as listed in the legend.
- b) The character of the overburden (boulder clay, gravel, sand, clay) and distribution of swamp, muskeg and forest cover must be shown on traverse lines where no outcrops were found.

For further information, please contact Mr. F.W. Matthews at 965-1380.

Yours very truly,

E.F. Anderson  
Director  
Land Management Branch

Whitney Block, Room 6450  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone: 416/965-1316

A. Barr/amc

Encl.

cc Mining Recorder  
Timmins, Ontario

Mining Lands Comments

- maps to be returned  
- no return  
- no expenditures

To: Geophysics

Comments

Approved

Wish to see again with corrections

Date

Signature

To: Geology - Expenditures

Mr. Kustra

Comments

Approved

Wish to see again with corrections

Date

Mar 23/82

Signature

eKustra

To: Geochemistry

Comments

Approved

Wish to see again with corrections

Date

Signature

To: Mining Lands Section, Room 6462, Whitney Block.

(Tel: 5-1380)

December 14, 1981

2.4333

Office of the Mining Recorder  
Ministry of Natural Resources  
60 Wilson Avenue  
Timmins, Ontario  
P4N 2S7

Dear Sir:

We have received reports and maps for a Geological Survey submitted under Special Provisions (credit for Performance and Coverage) on Mining Claims P.553623 et al, in the Area of Lower Detour Lake.

This material will be examined and assessed and a statement of assessment work credits will be issued.

Yours very truly,

E.F. Anderson  
Director  
Land Management Branch

Whitney Block, Room 6450  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone: 416/965-1380

J. Skura/bk

cc: Westmin Resources Limited  
Toronto, Ontario  
Attention: S. Kuprejanov

cc: C.J. Rockingham  
Toronto, Ontario





**WESTMIN RESOURCES LIMITED**  
(formerly Western Mines Limited)

EASTERN CANADA EXPLORATION OFFICE  
SUITE 1414  
390 BAY STREET  
TORONTO, ONTARIO, CANADA M5H 2Y2  
TELEPHONE: (416) 364-8116  
TELEX: 06-22072

REGISTERED MAIL

November 26, 1981.

Ontario Ministry of Natural Resources,  
Lands Admin. Branch,  
Whitney Block, Room 6450,  
Queen's Park,  
Toronto, Ontario.  
M7A 1X1.

Dear Sirs:

Please find enclosed in duplicate Geological Report, Nash Creek Claim Group by C. J. Rockingham. The Mining Act Report of Work form has been forwarded to the Mining Recorder Office, in Timmins.

Thank you, and I hope you will find everything in order.

Yours truly,

WESTMIN RESOURCES LIMITED

(Mrs.) S. Kuprejanov,  
Administrative Geologist.

SK/hmc  
Encls.

**RECEIVED**  
NOV 30 1981  
MINING LANDS SECTION



A separate form is required for each type of work to be recorded.

THE MINING ACT REPORT OF WORK

To the Recorder of Porcupine Mining Division, Westmin Resources Limited T-778, 390 Bay Street, Suite 1414, Toronto, Ontario M5H 2Y2, do hereby report the performance of 3,720 days of Geological & Linecutting type of work

not before reported to be applied on the following contiguous claims

Table with 6 columns: Claim No., Days, Claim No., Days, Claim No., Days. Rows include claim numbers like P.553623-553662 and P.553693-553731 with 40 days each.

For details see attached schedule "A"

All the work was performed on Mining Claim (s) All claims listed in schedule "A" (In the case of geological and/or geophysical survey (s) where more than 18 claims are involved attach a schedule)

READ CAREFULLY: THE FOLLOWING INFORMATION IS REQUIRED BY THE MINING RECORDER.

- For Manual Work, Stripping or Opening up of Mines, Sinking Shafts or Other Actual Mining Operations - Names and addresses of the men who performed the work and the dates and hours of their employment. For Diamond and other Core Drilling - Footage, No. and angle of holes and diameter of core. Name and address of owner or operator of drill. Dates when drilling was done. Signed core log and sketch in duplicate. For Compressed Air or Other Power Driven or Mechanical Equipment Type of drill or equipment. Names and addresses of men engaged in operating equipment and the dates and hours of their employment. For Power Stripping - Type of equipment. Name and address of owner or operator. Amount expended. Dates on which work was done. Proof of actual cost must be submitted within 30 days of recording. With each of the above types of work sketches are required to show the location and extent of the work in relation to the nearest claim post. In the case of diamond or other core drilling the sketch must be submitted in duplicate. For Geophysical, Geological, Geochemical Surveys and Expenditure Credits - the name of author of report. Covering dates of survey (linecutting & office). Type of instrument used. Total amount of expenditure. Technical reports, maps, expenditure breakdown, receipts must be filed in duplicate with the Minister within 60 days of recording. For Land Survey - the name and address of Ontario Land surveyor.

The Required Information is as Follows: (Attach a list if this space is insufficient)

Author of the report: C.J.Rockingham
Dates of survey : March - July 1981
Expenditure : Linecutting \$22,776.12, Geology \$4,650.00, Total: \$27,426.12

Date 24 November 1981 Signature of Recorded Holder or Agent

The Mining Act Certificate Verifying Report of Work

C.J.Rockingham, 390 Bay Street, Suite 1414, Toronto, Ontario M5H 2Y2 (Post Office Address)

hereby certify:

- 1. That I have a personal and intimate knowledge of the facts set forth in the report of work annexed hereto, having performed the work or witnessed same during and/or after its completion.
2. That the annexed report is true.

Dated 24 November 1981 Signature

THE PENALTY FOR MAKING A FALSE STATEMENT IN THIS REPORT AND/OR CERTIFICATE IS \$500. OR SIX MONTHS IMPRISONMENT OR BOTH

SCHEDULE "A"

<u>Claim</u>	<u>Geology</u>	<u>Linecutting</u>	<u>Claim</u>	<u>Geology</u>	<u>Linecutting</u>
1. P.553623	20 days	20 days	48. P.553700	20 days	20 days
2. P.553624	20 "	20 "	49. P.553701	20 "	20
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13. P.553635	20 "	20 "	60. P.553712	20 "	20
14. P.553636	20 "	20 "	61. P.553713	20 "	20
15. P.553637	20 "	20 "	62. P.553714	20 "	20
16. P.553638	20 "	20 "	63. P.553715	20 "	20
17. P.553639	20 "	20 "	64. P.553716	20 "	20
18. P.553640	20 "	20 "	65. P.553717	20 "	20
19. P.553641	20 "	20 "	66. P.553718	20 "	20
20. P.553642	20 "	20 "	67. P.553719	20 "	20
21. P.553643	20 "	20 "	68. P.553720	20 "	20
22. P.553644	20 "	20 "	69. P.553721	20 "	20
23. P.553645	20 "	20 "	70. P.553722	20 "	20
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25. P.553647	20 "	20 "	72. P.553724	20 "	20
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29. P.553651	20 "	20 "	76. P.553728	20 "	20
30. P.553652	20 "	20 "	77. P.553729	20 "	20
31. P.553653	20 "	20 "	78. P.553730	20 "	20
32. P.553654	20 "	20 "	79. P.553731	20 "	20
33. P.553655	20 "	20 "	80. P.575669	20 "	20
34. P.553656	20 "	20 "	81. P.575670	20 "	20
35. P.553657	20 "	20 "	82. P.575671	20 "	20
36. P.553658	20 "	20 "	83. P.577781	20 "	20
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38. P.553660	20 "	20 "	85. P.577783	20 "	20
39. P.553661	20 "	20 "	86. P.577784	20 "	20
40. P.553662	20 "	20 "	87. P.577785	20 "	20
41. P.553693	20 "	20 "	88. P.577786	20 "	20
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45. P.553697	20 "	20 "	92. P.577790	20 "	20
46. P.553698	20 "	20 "	93. P.577791	20 "	20
47. P.553699	20 "	20 "			

SUNDAY LAKE M-3003

AREA OF LOWER DETOUR LAKE

DISTRICT OF COCHRANE

PORCUPINE MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

- PATENTED LAND Ⓟ
- CROWN LAND SALE C.S.
- LEASES Ⓛ
- LOCATED LAND L.O.
- LICENSE OF OCCUPATION M.R.O.
- MINING RIGHTS ONLY S.R.O.
- SURFACE RIGHTS ONLY
- ROADS
- IMPROVED ROADS
- KING'S HIGHWAYS
- RAILWAYS
- POWER LINES
- MARSH OR MUSKEG
- MINES
- CANCELLED

NOTES

400' Surface rights reservation around all lakes and rivers

Areas withdrawn from staking under Section 43. of the Mining Act (R.S.O. 1970).

Order No.	File	Date	Disposition
NR. W.1/81	18851	15/1/81	S.R.O.

2.4333

DATE OF ISSUE  
**JUL 22 1982**  
 Ministry of Natural Resources  
 TORONTO

NATIONAL TOPOGRAPHIC SERIES 32E13

PLAN NO. - M.2603

ONTARIO  
MINISTRY OF NATURAL RESOURCES  
SURVEYS AND MAPPING BRANCH

ATKINSON LAKE M-2622





