



32E13NE0077 2.4903 HOPPER LAKE

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MINING LANDS SECTION

Report on 1982 Overburden Drilling

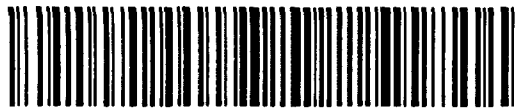
Detour Gold Project

Ontario

(NTS 32E 13/L4)

March, 1982.

G. E. Nutter



32E13NE0077 2.4903 HOPPER LAKE

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Table of Contents

	<u>Page</u>
List of Figures	ii
List of Appendices	iii
Summary and Recommendations	1
Introduction	2
Justification and Programme	4
Methodology	6
Results	8
Discussion	10

List of Figures

Figure		<u>Page</u>
1	Location Map	3
2	1982 Overburden Drilling	(in pocket)

List of Appendices

- I Overburden Drill Logs 1982
- II Laboratory Sample Logs
- III Geochemical Lab Report on Heavy Mineral Concentrates
- IV Geochemical Lab Report on Gold and Silver Content of Bedrock Chip Samples
- V Certificate of Analyses - XRF Whole Rock Analysis of Bedrock Chip Samples
- VI Gold Grain Counts of 1/4 Storage Splits of Heavy Mineral Concentrates

Summary and Recommendations:

Area 4:

The 1981 and 1982 work has suggested the possibility of two sources of gold in this area. A distal source north (up-ice) of hole DO-82-04 (Figure 2) possibly related to a volcanic conglomerate unit which is locally auriferous and a source proximal to (4300 meters) hole DO-81-60.

Follow-up work aimed at bracketing the distal source should entail further overburden sampling. Four holes, two 200 meters apart and 200 meters north (up-ice) from DO-82-04, and two holes 200 meters apart and 400 meters north of DO-82-4 should be sufficient.

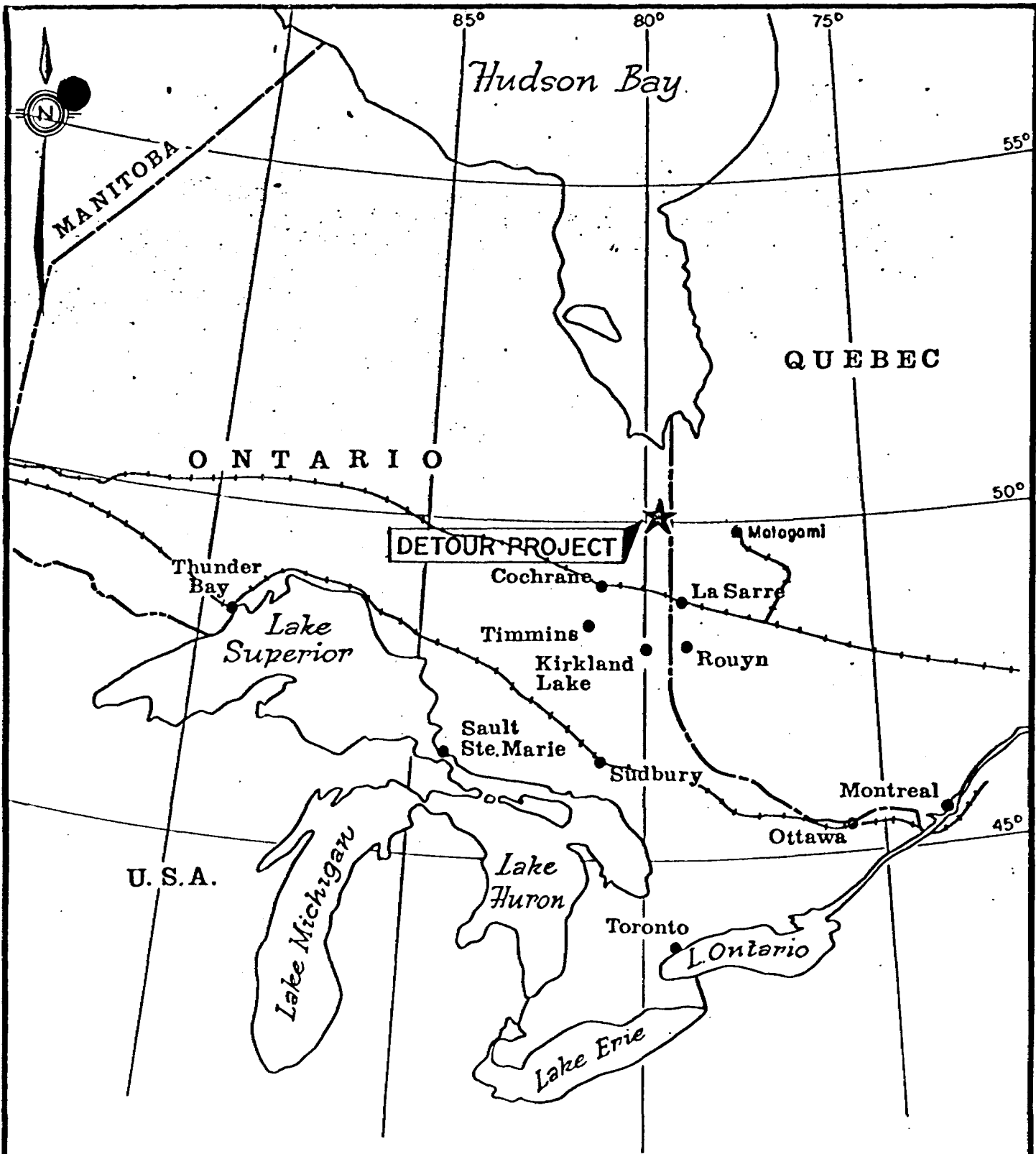
The postulated local source should be tested by diamond drill methods. A -45° hole drilled true north and designed to intersect the bedrock at the same location as DO-81-60 intersected the "gossan" zone in 1981. Special care should be taken to obtain good sludge samples at this location due to the incompetent nature of the bedrock noted in the 1981 overburden program here.

Area 3:

A northern (up-ice) limit has been determined for the origin of the anomalous overburden. An initial test of the source area should entail completion of one diamond drill hole to a total depth of 200 meters. This hole should dip at -045° , be drilled on 0° Az and designed to enter bedrock at the bedrock/overburden interface encountered in overburden hole DO-82-11.

Introduction:

The Detour Gold Project was originated in 1979 subsequent to the discovery of the Detour Lake gold deposit by Amoco Canada Ltd. (Figure 1). Westmin's holdings in this area lie along strike and on the opposite side of a major syncline (or anticline) from the Detour Lake deposit (Figure 2).



Westmin Resources Ltd.

LOCATION MAP
DETOUR PROJECT



Scale: 1:9,400,000.00

Figure 1

Justification and Programme:

A major portion of Westmin's 1981 exploration program in this area involved overburden and bedrock sampling in 93 locations utilizing a Nodwell mounted reverse circulation drill. High gold values were noted in the heavy mineral concentrates of several of the overburden samples. Many of these areas were down-ice from Questor input conductors and these conductors were recommended for testing by diamond drill coring, however, three areas with high gold values and visible gold flecks in the heavy mineral separate did not exhibit spatial relationships with any input conductors. Since Archean hosted gold deposits do not always manifest themselves as input conductors it was felt that follow-up of these results might best be accomplished by undertaking further closer spaced overburden drilling aimed at bracketing a possible source area for the anomalous tills.

In 1982, five reverse circulation holes were drilled in the vicinity DO-81-60 (designated Area 4 subsequent to the 1981 program). In 1981, a value of greater than 15,000 ppb gold was reported in the heavy mineral concentrate of a sample taken two to seven feet above bedrock, while a grain of visible gold was noted in the interval 29 to 35 feet above bedrock.

Six overburden holes were also drilled up glacial ice direction from "Area 3" on anomalous area partially defined by five

holes (DO-81-41, 42, 51, 52, 53) with high gold values and/or grains of visible gold. Two other holes designed to test the validity of the results obtained in holes DO-81-41 and DO-81-42 were also completed in 1982.

Splits of bedrock samples from the 1982 work were sent to Bondar-Clegg Ltd., Ottawa, for analyses for gold and silver and also to X-Ray Assay Limited, of Toronto, for Whole Rock Analyses.

Methodology:

The overburden sampling procedures and equipment used in 1982 were similar to those used in 1981 and described in "Report on 1981 Work, Detour Gold Project by C. J. Rockingham; October 1981". The purpose of this section is to identify deviations and changes made in 1982.

During the drilling programme in 1982, problems were encountered with the air compressor. The sporadic operation of this piece of equipment resulted in lack of or poor return of material in a few sections (noted on logs). A perusal of the wet sample weights from DO-81-41 (1981 report) and DO-82-12 (Appendix I), holes drilled 11 metres apart, indicates an average weight of 5.1 and 5.48 kilograms respectively for the pre Lake Ojibway till section, so the overall effect of the compressor breakdown on the 1982 material is considered minimal except where noted on the logs.

In discussions between C. Rockingham (Westmin) and S. Averill (Overburden Drilling Management) it was decided that any sample concentrate weighing less than 5 grams would be analysed for gold only, utilizing the entire sample. Factors governing the decision included (1) a desire to optimize the detection of gold in a given sample. (In 1981 several samples were noted to contain visible gold on the shaker table but did not return geochemically high gold values presumably because the gold flecks went into either the 1/4 storage split or the base metal analysis split) and (2) an absence of high base metal values in these specific areas in 1981.

Due to an error on the part of Overburden Management Lab personnel visible gold counts were not carried out on the shaker table or on the heavy mineral separates of the 1982 samples. Panning and gold counts are presently being conducted on the 1/4 storage split of the 1982 samples and results will be added to the logs and appended to this report upon receipt (Appendix VI).

Results:

In Area 4, holes DO-82-01, 02 and 03 returned gold values of 500, 1240, and 520 ppb from a 3/4 split of the non-magnetic heavy mineral separate. All of these samples were obtained from the material directly above bedrock. Holes DO-82-04 was the most northerly (furthest up-ice) hole drilled in this area and returned an anomalous gold value of 4,400* from a sample taken between eight and thirteen feet above the bedrock/overburden interface. Samples from hole DO-82-05 did not return any anomalous gold values.

In "Area 3" none of the results from holes DO-82-06, 07, 08, 09, and 10 showed significant values. The basal overburden sample from hole DO-82-11 returned a gold value of 6,250 ppb in a one gram sample.

DO-82-12 was drilled 11 meters east of DO-82-41 which was one of the five holes yielding anomalous gold in till values in area in 1981. The 1982 results yielded positive gold values of 760 ppb (26' - 30' above bedrock) 550 ppb (17' - 21' above bedrock) and 770 ppb (11' - 17' above bedrock) which roughly correlate with positive results received from DO-81-41 of 280 ppb (35' - 36' above bedrock) and 250 ppb and one grain of visible gold (14' - 19' above bedrock). The value of 4,425 ppb obtained in the basal overburden sample from hole DO-81-41 was not duplicated.

*All values obtained from 3/4 split of non-magnetic heavy mineral separates of overburden unless otherwise specified.

Hole DO-82-13 was drilled 5 meters east of hole DO-82-42. Neither hole returned anomalous geochemical values for gold. The basal overburden sample from DO-81-42 was however noted to contain two specks (400 μ and 100 μ) of visible gold. As mentioned previously no visible gold counts were conducted on the 1982 samples but gold grain counts on the remaining 1/4 sample split of the non-magnetic heavy mineral splits will be appended to this report on receipt.

None of the bedrock samples obtained in 1982 exhibited anomalous gold or silver content (see logs, Appendix I and lab sheets, Appendix III). Whole rock analysis data for the bedrock samples is present in Appendix V.

Discussion:

General

In 1982 three main stratigraphic units of glacial overburden were apparent.

A younger till with a high limestone content (the Cochrane Till) was often intersected prior to entering lacustrine sediments characterized by grey, occasionally varved, clays, and sand (Lake Ojibway sediments) which represent a period of sedimentation prior to the younger Cochrane re-advance but part of the ice advance that generated an underlying till horizon. The younger Cochrane till glaciated only the bedrock highs (the widespread lacustrine sediments are undisturbed) so the pre Lake Ojibway till horizon (underlying the lacustrine sediments) is the most sought after for sampling purposes (paraphrased from Averill 1981; Logging Procedures - Detour Lake Area).

Holes DO-82-2, 3, 4, 7, 8, 10, 11, 12, 13 appear to have intersected all units of the above-mentioned pleistocene stratigraphy and holes DO-82-02, 03, 04, 11 and 12 encountered significant gold values in the pre-Lake Ojibway till.

Holes DO-82-01, 05, and 09 were shallow holes which intersected narrow sections of various material before entering bedrock. Hole DO-82-06 was drilled 77 feet to bedrock but encountered a 20 foot thick section of clay (Lake Ojibway sediments) sitting directly on bedrock. The results from these latter four holes should not be considered conclusive as far as defining areal extent of the anomalous pre-Lake Ojibway tills.

Area 4:

Holes DO-82-02, 03, and 04 all show anomalous gold results, (1,240, 520 and 4,400 respectively) in pre-Lake Ojibway till however none are as strong as the value of 15,000 ppb reported in a basal till sample on hole DO-81-60 which is down-glacial ice direction from all of the above holes. Further the highest gold value reported in 1982 (4,400 ppb) in this area is well above the bedrock overburden interface and is also the furthest north (up ice) from hole DO-81-60. It is also worth noting that visible gold was noted higher up in hole DO-81-60 than the anomalous gold sample. This could be indicative of two sources for the gold, one local and one more distal. This supposition is supported by the up-ice distribution of gold values in the 1982 holes. Results from DO-82-01 and 05 are not considered conclusive because of the short distance to bedrock and uncertain origin of the pleistocene material sampled.

Area 3:

While holes DO-82-06 and 09 are not considered to have intersected pre-Lake Ojibway material, holes DO-82-07, 08 and 10 intersected this type of material but returned low values. Hole DO-82-11 did however return a value of 6,250 ppb gold in a thin (1 foot) section of basal till. This would indicate the source is further up-ice from DO-82-11 but south of (down ice) hole DO-82-07 and based on negative results in DO-82-08 probably south of DO-82-09 (see Figure 2).

Appendix I

OVERBURDEN DRILL LOGS 1982

Appendix I
Overburden Drill Logs, 1982

DATE FEB 9, 1982 HOLE No. 90-82-01 GEOLOGIST NUTTER DRILLER R. FOURNEL
HOLE LOCATION 127 M NORTH OF RIVER; 23 M WEST OF EAST SIDE OF WINTER ROAD
BIT No. H00302 FOOTAGE ON BIT START 0 FINISH 25
HOURS MOVE _____ HOURS DRILL 1.5 OTHER 7:00 AM UNTILL
2:30 PM TO START NODWELLS ETC

DEPTH (FEET)	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	ANALYSES						
				Cu (ppm)	Pb (ppm)	Zn (ppm)	Ni (ppm)	Ag (ppm)	Au (ppb)	
			HUMUS BROWN CLAY ORGANIC MATERIAL							
10		-01	TILL - GREY CLAY MATRIX							500
20		-02	BEDROCK - FINE GRAINED BASALT - VESICULAR - SALSITE AND TO A LESSEER EXTENT QUARTZ VEINING					<0.1		ND.

R. Fournel

Appendix I

Overburden Drill Logs, 1982

DATE FEB 9th-10th 1982 HOLE No. DO-82-02 GEOLOGIST NUTTER DRILLER R. FOURNEL
 HOLE LOCATION 340M NORTH OF RIVER; 21M WEST OF EAST SIDE OF WINTER ROAD
 BIT No. H00302 FOOTAGE ON BIT START 25 FINISH 61
 HOURS MOVE 0.4 HOURS DRILL 4.1 OTHER DRILLERS ARRIVED
 AT RIG AT 7:25 AM DOWN FROM 9:30 UNTIL 10:00 AM WATER PUMP PROBLEMS

DEPTH (FEET)	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	ANALYSES					
				Cu (PPM)	Pb (PPM)	Zn (PPM)	Ni (PPM)	Ag (PPM)	Au (PPB)
0-10	[Symbol: Dotted]	-01	CLAY - LIGHT GREY - MINOR SAND - GRAVEL						
10-20	[Symbol: Dotted]	-02	SAND - GRAVELLY - MANY ROUNDED PEBBLES - HIGH PERCENTAGE LIMESTONE						
20-25	[Symbol: Dotted]	-03	GRAVEL - SANDY - LOSS OF RETURN FOR 2 FEET - 2" THICK GRANITE BOULDER AT BASE						
25-30	[Symbol: Dotted]	-04	TILL - BASALT OVER 50% OF COARSE SEPARATE GRANITE 30% - EXTREMELY CLAY RICH AT BASE						<15
30-35	[Symbol: Dotted]	-05	TILL? - CLAY RICH NO COARSE SEPARATE CLAY - SACCHARINE (SAMPLE REJECTED)						185
35-40	[Symbol: Dotted]	-06	TILL - >70% MAPLE VOLCANIC ROCKS IN COARSE SEPARATE AND 10% GRANITOID - LOSS OF RETURN FOR LAST FEW INCHES						1240
40-45	[Symbol: Hatched]	-07	BEDROCK - BASALT - OCCASIONAL DEBRIS - CALCITE VEINING					<0.1	10

C. Rodman

Appendix I
Overburden Drill Logs, 1982

DATE FEB 10 1982 HOLE No. DD-82-03 GEOLOGIST NOTER DRILLER R. FOURNEL
 HOLE LOCATION 576 M NORTH OF RIVER ON WINTER ROAD; 12 M E OF E. SIDE OF ROAD
 BIT No. H00302 FOOTAGE ON BIT START 61 FINISH 151
 HOURS MOVE 0.3 HOURS DRILL 2.8 OTHER _____

DEPTH (FEET)	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	ANALYSES						
				Cu (PPM)	Pb (PPM)	Zn (PPM)	Ni (PPM)	Ag (PPM)	Au (PPM)	
			HUMUS BROWN CLAY ORGANIC MATERIAL							
10		DD-82-02 -01								
15		-02								
20		-03	SAND - GRAVELLY (30%) - COARSE FRACTION 60% MAFIC VOLCANIC 30% GRANITIDS							
25		-04	TILL? - ABUNDANT GRITTY CLAY LUMPS (TILL BALLS?) - UP TO 30% LIMESTONE IN COARSE SEPARATE							
30		-05	TILL? - CLAYEY MATRIX - LITTLE COARSE SEPARATE (MAINLY LIMESTONE)							
35		-06	CLAY - OCCASIONAL SAND AND PEBBLES - PEBBLES MAINLY LIMESTONE							
40		-07	CLAY - AS PREVIOUS SAMPLE EXCEPT SAND AND PEBBLES SLIGHTLY MORE ABUNDANT							
45		-08	TILL? - SANDY WITH CLAY MATRIX - VERY LIMITED COARSE FRACTION MAINLY BASALT AND GRANITIDS							
50		-09	CLAY - DARK GREY LACUSTRINE							
55		-10	CLAY - SANDY AND GRAVELLY							
60		-11	CLAY - SANDY							
65		N.S.	BOULDER - GABBRO (DISCARDED) CLAY - LACUSTRINE							
70		-12	CLAY - LACUSTRINE							
75		-13								
80		-14	TILL - GRAVELLY SAND - MAJORITY OF COARSE FRAGMENTS ARE MAFIC VOLCANIC HOWEVER LIMESTONE AND GRANITIDS ARE ABUNDANT	85	25	186	68	0.5	520	
85		-15	BEDROCK - BASALT MASSIVE - 1 TO 2% PYRITE FOR FIRST TWO FEET					<0.1	ND.	

C.R. Jones

Appendix I
Overburden Drill Logs, 1982

DATE FEB 10TH 11TH 1982 HOLE No. DO-82-04 GEOLOGIST NOTER DRILLER FOURNEL
 HOLE LOCATION 207 M @ 340° T ON TRAIL FROM 216 M POST ON CORE SHACK ROAD
 BIT No. H00302 FOOTAGE ON BIT START 151 FINISH 243 (RETIRED)
 HOURS MOVE 0.7 HOURS DRILL 3.2 OTHER _____

DEPTH (FEET)	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	ANALYSES					
				Cu (PPM)	Pb (PPM)	Zn (PPM)	Ni (PPM)	Ag (PPM)	Au (PPB)
0			HUMUS + BRUNN CLAY ORGANIC MATERIAL						
10		DO-82-04 01	SAND - GRAVELLY - MINOR CLAY CONTENT INCREASING TOWARD THE BASE OF THE SAMPLE						
15		02	CLAY - GREY - MINOR GRIT						
20		03	CLAY - SAND + GRAVEL CONTENT INCREASING TOWARD BASE						
25		04	SAND - MINOR GRAVEL AND CLAY						
30		05	SAND AND GRAVEL - APPROX 50% EACH - COARSE FRACTION; 50% BASIC VOLCANIC 20% GRANITOID, 20% MISCELL AND 10% LIMESTONE						
35		06	SIMILAR TO SAMPLE 05 BUT - SLIGHTLY % GRANITOID - A FEW TILL BALLS NEAR BASE						
40		07	SIMILAR TO 05 AND 06 - OCCASIONAL TILL BALL						
45		08	SIMILAR TO 07						
50		09	CLAY - GREY - LACUSTRINE						
55		REJECTED	CLAY - LACUSTRINE						
60		REJECTED	CLAY - LACUSTRINE						
65		10	REJECTED						
70		11	SAND - GRAVELLY - COARSE FRACTION: 50% BASIC VOLCANIC 20% MISCELL, 20% GRANITOID	130	27	63	55	0.6	* 45
75		12	SAND - GRAVELLY - COARSE FRACTION AS SAMPLE 11						130
80		13	SAND AND GRAVEL - 50/50 - COARSE FRACTION AS IN PREVIOUS TWO SAMPLES						4400
85		14	SAND AND GRAVEL - 50/50 - COARSE FRACTION 160% MAFIC 20% GRANITOID, 20% MISCELL						<10
90		15	GRAVEL - SANDY - VERY LIMITED SILT AND CLAY CONTENT						<25
95		16	PEDROCK - BASALT - FINE GRAINED - MASSIVE					<0.1	ND
100									

[Handwritten signature]

* 04-11 1 GRAIN VG 50-50µ

Appendix I
Overburden Drill Logs, 1982

DATE FEB 11 1982 HOLE NO. 00-82-05 GEOLOGIST MYTRA DRILLER R. EURNEL
 HOLE LOCATION 450M NORTH OF RIVER ON WINTER ROAD; DOWN CORE SHACK ROAD 214M
FROM E. SIDE OF WINTER ROAD; 7.5M NW/N SIDE OF CORE SHACK ROAD
 BIT NO. H02226 FOOTAGE ON BIT START 0 FINISH 22' (RETIRED)
 HOURS MOVE 0.4 HOURS DRILL 3.2 OTHER _____

DEPTH (FEET)	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	ANALYSES						
				Cu (ppm)	Pb (ppm)	Zn (ppm)	Ni (ppm)	Ag (ppm)	Au (ppb)	
			MUMUS BROWN CLAY ORGANIC MATERIAL							
10		00-82-05 -01	CLAY - GREY - SANDY							85
		-02	TILL - 2-40% TILL BALLS - COARSE FRACTION 80% MAFIC							<10
20		-03	BEDROCK - DARK GREEN BASALT - MINOR CALCITE VENS						<0.1	N.D.
30										

C. R. ...

Appendix I
Overburden Drill Logs, 1982

DATE FEB. 11, 1982 HOLE NO. 00-82-08 GEOLOGIST MUTTER DRILLER R. FURNEL
 HOLE LOCATION 167 M @ 095° ALONG BULLDOZED TRAIL FROM D.O.-82-07
 BIT NO. H00249 FOOTAGE ON BIT START 0 FINISH 82
 HOURS MOVE 0.8 HOURS DRILL 1.8 OTHER _____

DEPTH (CENT)	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	ANALYSES						
				Cu (PPM)	Pb (PPM)	Zn (PPM)	Ni (PPM)	Ag (PPM)	Au (PPB)	
			HUMUS BROWN CLAY ORGANIC MATERIAL							
10		00-82-05 -01	TILL - CLAY MATRIX - COARSE FRACTION DOMINANTLY LIMB- STONE							
		-02	CLAY - PEBBLEY NEAR BASE							
20		-03	SAND AND GRAVEL - COARSE FRACTION 50% MAFIC							
		-04	SIMILAR TO SAMPLE 03							
30		-05	TILL? - CLAY RICH MATRIX - CLASTS DOMINANTLY MAFIC VOL.							
		06	TILL? - SANDY CLAYEY PEBBLEY - ABUNDANT TILL DRILLS							
40		07	TILL - CLAYEY - ABUNDANT LIMESTONE CLASTS - GRITTY							<25
		08	SIMILAR TO SAMPLE 07 - VARIABLE							10
50		09	TILL - CLAYEY - MINOR SAND AND GRAVEL							<15
		10	TILL - CLAYEY - GRITTY							<15
60			CLAY - LACUSTRINE - GREY							
		11								<50
80		12	BEDROCK - ANDESITIC TUFF - EXTENSIVE QUARTZ VEINING - LIMONITIC ALTERATION ON FRACTURES							<0.1 5

C. R. Mutter

Appendix I

Overburden Drill Logs, 1982

DATE FEB 12 1982 HOLE NO. DO-82-07 GEOLOGIST MUTTER DRILLER R. FOURNELL
 HOLE LOCATION 2.40 M ALONG ROAD (@ 345°) FROM 11+40 N 66+50 E (JUNCTION OF 66+50 AND BULLDOZED ALLEY ROAD)
 BIT NO. H000249 FOOTAGE ON BIT START 82 FINISH 149
 HOURS MOVE 0.9 HOURS DRILL 2.5 OTHER

DEPTH (FEET)	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	ANALYSES						
				Cu (PPM)	Pb (PPM)	Zn (PPM)	Ni (PPM)	Ag (PPM)	Au (PPB)	
			HUMUS BROWN CLAY ORGANIC MATERIAL							
10		DO 82-07 -01	CLAY - GREY - GRITTY - SANDY SECTIONS							
		02	CLAY - LACUSTRINE SAMPLE REJECTED							
20		03	TILL - CLAY RICH (ABUNDANT (70%) TILL BALLS) - COARSE FRACTION GRANITIOIDS 60%, VOLCANICS 30%, LIMESTONE 10%							
		04	TILL - SANDY - COARSE FRACTION MAINLY LIMESTONE AND MAJIL VOLCANICS - ABUNDANT TILL BALLS							
30		05	TILL - SIMILAR TO SAMPLE 03							
		06	TILL - CLAYEY - GRITTY - OCCASIONAL GRANITE AND VOLCANIC GALT							
		07	TILL - SIMILAR TO SAMPLE 05							
40		08	TILL - CLAYEY - GRITTY - SAND AND GRAVEL SEAMS (THIN)							
		09	TILL - SANDY CLAYEY PEBBLEY - COARSE FRACTION > 50% LIMESTONE AND GRANITIOIDS							<15
		10	CLAY - GRITTY - OCCASIONAL COBBLE							<15
50		11	SAND AND GRAVEL RETRACTED CLAY - DARK GREY - LACUSTRINE							<95
		12	GRAVEL - SANDY - COARSE FRACTION DOMINANTLY MAJIL VOLCANICS AND GREEN ARGILLITES	120	36	63	37	0.6		<10
60		13	GRAVEL - SANDY - COARSE FRACTION SIMILAR TO SAMPLE 11 BEDROCK - BASALT - MASSIVE - MINOR FINE GRAINED PYRITE (<1%)						<0.1	5

C. R. Fournell

Appendix I
Overburden Drill Logs, 1982

DATE FEB 12 1982 HOLE NO. DD-82-08 GEOLOGIST MUTZER DRILLER R. FURNELL
 HOLE LOCATION 9+65N 68+87E
 BIT NO. H000249 FOOTAGE ON BIT START 149 FINISH 191
 HOURS MOVE 0.8 HOURS DRILL 1.8 OTHER _____

DEPTH (FEET)	GRAPHIC LOG	SAMPLE No	DESCRIPTIVE LOG	ANALYSES					
				Cu (PPM)	Pb (PPM)	Zn (PPM)	Ni (PPM)	Ag (PPM)	Au (PPB)
			MUMUS BROWN CLAY ORGANIC MATERIAL						
		D.O. 82-08-							
		01	SAND AND GRAVEL LOSS OF RETURN						
10	?	NO SAMPLE							
		5-01	TILL - CLAYEY - GRITTY - COARSE FRACTION 60% MAFIC, 20% GRANITOID						15
20		02	TILL - CLAYEY						<25
		03	CLAY - GREY - LACUSTRINE SAND - GRAVELLY						<25
		04	- COARSE FRACTION DOMINANTLY MAFIC VOLCANICS AND GRANITOID, NO LIMESTONE	130	26	38	35	0.7	45
30		05	SAND - SIMILAR TO 04	80	18	29	42	0.8	20
		06	SAND - GRAVELLY - COARSE FRACTION 80 MAFIC VOLCANICS AND DARK GREEN SEDIMENTS (SOME MAFIC FRAG- MENTS CONTAIN PYRITE)						100
40		07	BEDROCK - BASALT - MASSIVE - CALCITE STRINGERS					0.2	35
50									

C. R. J. [Signature]

Appendix I
Overburden Drill Logs, 1982

DATE FEB 13 1982 HOLE NO. DD-82-09 GEOLOGIST WINTER DRILLER R. FOURNEL
 HOLE LOCATION 9+59 N 67+33 E
 BIT NO. H000249 FOOTAGE ON BIT START 191 FINISH 211
 HOURS MOVE 0.3 HOURS DRILL 0.8 OTHER _____

DEPTH (FEET)	GRAPHIC LOG	SAMPLE No	DESCRIPTIVE LOG	ANALYSES						
				Cu ppm	Pb (ppm)	Zn (ppm)	Ni (ppm)	Ag (ppm)	Au (ppb)	
			HUMUS BROWN CLAY ORGANIC MATERIAL							
10	A-1 A-2 A-3 A-4 A-5 A-6 A-7 A-8 A-9 A-10	DD82-09 -01	TILL - SANDY - ABUNDANT CLAY AND PEBBLES - COARSE FRACTION DOMINANTLY MARL VOLCANICS	147	38	69	48	0.8	20	
15		-02 A	BEDROCK 17.5'-15' ALTERED ANDESITE TUFF							
16		-02 B	15'-16' QUARTZ V. V. NOTICABLE H ₂ S ODOR NO SULPHIDES NOTED					<0.1	ND.	
20		-02 C	16'-20' ANDESITE TUFF NOTE COARSE SEPERATED, FINES NOT					<0.1	ND.	
			<i>C. Winter</i>							

Appendix I
Overburden Drill Logs, 1982

DATE FEB 12TH 1982 HOLE No. DO-82-10 GEOLOGIST NUTTER DRILLER R. FOUNELL
 HOLE LOCATION 8+28N 68+25E
 BIT No. H00249 FOOTAGE ON BIT START 211' FINISH 309' (RETIRED)
 HOURS MOVE 0.7 HOURS DRILL 3.8 OTHER _____

DEPTH (FEET)	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	ANALYSES					
				Cu (PPM)	Pb (PPM)	Zn (PPM)	Ni (PPM)	Ag (PPM)	Au (PPB)
		0082-10	HUMUS BROWN CLAY ORGANIC MATERIAL						
		-01							
10	(27)		GRANITE BOULDER TILL - CLAYEY - COARSE FRACTION CONTAINS ABUNDANT LIMESTONE AND GRANITOID FRAGMENTS - ABUNDANT TILL BALLS						
		-02							
		-03	TILL - CLAYEY - COARSE FRACTION SIMILAR TO SAMPLE 02						
20		-04	GRAVEL AND SAND - COARSE FRACTION 80% MAFIC VOLCANICS						
		-05	SAND - GRAVELLY - COARSE FRACTION 80% MAFIC						
30		-06	SAND - MINOR GRAVEL						
		-07	TILL - SAND AND CLAY RICH - BASALT DOMINANT IN COARSE FRACTION						
40		-08	TILL - CLAYEY - MINOR SAND AND PEBBLES						
		-09	TILL - SIMILAR TO SAMPLE 08						
		-10	TILL - CLAYEY						
50		-11	TILL - SANDY AND CLAYEY						
		-12	TILL - SANDY AND CLAYEY						
60		-13	CLAY - DARK GREEN - OCCASIONAL MAFIC PEBBLES - BUCKET FINES SAMPLED						
		-14							
		-15	TILL - SANDY - THIN SECTIONS OF LIGHT GREEN TILL BALLS - BASALT PEBBLES IN PLACES						60
80		-16	TILL - CLAYEY AND SANDY	133	18	22	30	0.8	80
		-17	TILL - CLAYEY						140
90		-18	TILL - SANDY - ABUNDANT CLAY BALLS - COARSE FRACTION 90% MAFIC VOLCANICS						<15
		-19	BEDROCK - DACITE - MASSIVE - MINOR CALCITE VESIC					<0.1	ND.

C. Rodring

Appendix I
Overburden Drill Logs, 1982

DATE FEB 13 1982 HOLE NO. D0-82-11 GEOLOGIST MYTER DRILLER & JOURNAL
 HOLE LOCATION S+35N 67+3.6E
 BIT NO. H000230 FOOTAGE ON BIT START 0 FINISH 100' (RETIRED)
 HOURS MOVE 0.3 HOURS DRILL 5.6 OTHER 0.9 OF S.G.
 --- NRS = DOWNTIME ---

DEPTH (FEET)	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	ANALYSES					
				Cu (PPM)	Pb (PPM)	Zn (PPM)	Ni (PPM)	Ag (PPM)	Au (PPB)
			HUMUS BROWN CLAY ORGANIC MATERIAL						
10		D0-82-11	CLAY - GRITTY - THIN SAND AND GRAVEL SECTIONS						
		7 - 01							
		9 - 02	CLAY - DARK GREY - GRITTY						
10		5 - 03	TILL - SANDY, GRAVELLY ABUNDANT TILL BALLS - COARSE FRACTION 70% MAFIC VOLCANICS - LOSS OF RETURN LAST FOOT						
		5 - 04	TILL - SANDY - POOR RETURN ON SAMPLE						
70		6 - 05	TILL - SANDY - POOR RETURN ON SAMPLE						
		5 - 06	TILL - SANDY - POOR RETURN						
90		3 - 07	BASALT BOULDER (REJECTED) TILL - SANDY - COARSE FRACTION 80% MAFIC VOL. - MINOR TILL BALLS						
		5 - 08	TILL - SIMILAR TO SAMPLE 07						
50		5 - 09	TILL - SANDY - CLAYEY - COARSE FRACTION 80% BASALT						
		5 - 10	TILL - SANDY - COARSE FRACTION 80% MAFIC VOL.						
60		5 - 11	TILL - CLAYEY - CLAY AT BASE						
		2 - 12	TILL - CLAYEY						
70		2 - 13	GRANITE BOULDER (REJECTED) CLAY - DARK GREEN - LAUDETTRITE - GRITTY - OCCASIONAL PEBBLES AND COBBLES - FIRST BUCKET OF FINES SAMPLED						
80		4 - 14	CLAY SIMILAR TO SAMPLE 13						175
		5 - 15	TILL - PEBBLEY IN PLACES - CLAYEY						325
90		4 - 16	TILL - PEBBLEY SANDY - CLAYEY						35
		5 - 17	TILL - PEBBLEY - OCCASIONAL TILL BALLS - MAFIC BEDROCK - BASALT - MASSIVE - CALCITE VEINING - MINOR PYRITE						6250
100		5 - 18						<0.1	ND

C. R. Johnson

Appendix I
Overburden Drill Logs, 1982

12.

PAGE 1 OF 2

DATE FEB 13th - 14th 1982 HOLE No. DO-82-12 GEOLOGIST MUTTER DRILLER R. FOUANEL
 HOLE LOCATION 7+00N 67+61E (11 M EAST OF RR 91-41)
 BIT No. H00221 FOOTAGE ON BIT START 0 FINISH 102.5
 HOURS MOVE 0.7 HOURS DRILL 3.9 OTHER _____ 3.9 DRILL
 _____ HOURS INCLUDES 1.2 HRS FOR ATTEMPTED COMPRESSOR REPAIR

DEPTH (FEET)	GRAPHIC LOG	SAMPLE No	DESCRIPTIVE LOG	ANALYSES					
				Cu (ppm)	Pb (ppm)	Zn (ppm)	Ni (ppm)	Ag (ppm)	Au (ppb)
			HUMUS BROWN CLAY ORGANIC MATERIAL						
10		DO-82-12-01	SAND - GRAVELLY - THIN CLAY BANDS						
15		-02	TILL - ABUNDANT CLAY BALLS - COARSE FRACTION DOMINANTLY GRANITE						
20		-03	SAND - GRAVELLY - THIN CLAY HORIZONS						
25		-04	SAND - GRAVELLY - POOR RETURN						
30		-05	SAND AND GRAVEL - POOR RETURN						
35		-06	SAND AND GRAVEL - POOR RETURN - TILL BALLS						
40		-07	TILL - CLAYEY - SOME SAND AND GRAVEL - GRANITOID AND MAFIC COBBLES						
45		-08	TILL - CLAYEY - THIN HORIZONS PEBBLEY AND GRAVELLY - COARSE FRACTION 50% MAFIC 50% GRANITE						
50		-09	TILL - CLAYEY - THIN DARK GREEN CLAY AT 53'						
55		-10	CLAY - DARK GREEN SUPER CLAY - OCCASIONAL MAFIC PEBBLES - SAND AND GRAVEL LAST FEW INCHES - COARSE CLAY REJECTED						
60		-11 ✓	SAND - GRAVELLY - COARSE FRACTION 80% MAFIC VOL.						115
65		-12 ✓		17	15	18	20	<0.1	55
70		-13 ✓		12	14	24	18	<0.1	760
75		-14 ✓		50	19	34	59	0.2	85
80		-15 ✓	ONLY MODERATE RETURN LAST 3 FEET SAND AND GRAVEL - LIGHT GREEN CLAY LAST FOOT						550
85		-16 ✓	SAND AND GRAVEL - COARSE FRACTION 75% MAFIC VOL						770
90		-17	SAND AND GRAVEL TILL? - OCCASIONAL TILL BALL - COARSE FRACTION 80% MAFIC VOL						30
95		-18	TILL - CLAYEY - GRITTY - THIN SECTIONS OF SAND AND GRAVEL						75
100		-19	TILL - CLAYEY - SAND AND GRAVEL LAST 2"						



Appendix I

Overburden Drill Logs, 1982

DATE FEB 14 1982 HOLE NO. 00-82-13 GEOLOGIST MUTTER DRILLER R. FOURNEL
 HOLE LOCATION 7+00 N 70+80E (5M EAST OF 00-81-42)
 BIT NO. H000281 FOOTAGE ON BIT START 102 FINISH 154
 HOURS MOVE 0.5 HOURS DRILL 1.0 OTHER _____

DEPTH	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	ANALYSES							
				Cu (PPM)	Pb (PPM)	Zn (PPM)	Ni (PPM)	Ag (PPM)	Au (PPB)		
			HUMUS BROWN CLAY ORGANIC MATERIAL								
10											
20			CLAY - LAUSTRINE - GREY								
		00-82-13	TILL - CLAYEY - GRITTY								
		-01	- 22' - 24' SAND AND GRAVEL RICH - COARSE FRACTION 50% MARIL 50% GRANITOID								30
		-02	TILL - CLAYEY SANDY PEBBLEY								5
30			TILL - SANDY, GRAVELLY - ABUNDANT TILL BALLS								55
		-03	TILL - SANDY - ABUNDANT CLAY BALLS - GRANITE AND MARIL COBBLES								<15
40			SIMILAR TO SAMPLE 04 - CLAY RICH AT BASE								4
		-05									<15
			CLAY - GREY - LAUSTRINE								
		-06	SAND GRAVEL CLAY BALLS								<15
50		-07	BEDROCK - MARIL TURF								<0.1 20
60											

C. R. ...

+ 10 GRAIN V.G. 250-250 μ

Appendix II

LABORATORY SAMPLE LOGS

Appendix IILABORATORY SAMPLE LOGS

List of abbreviations used on lab data sheets.

Tr	Trace
Cobs	Cobbles
Pebs	Pebbles
GClS	Gritty clay balls
SClS	Smooth clay balls
V/S	Volcanic and/or sedimentary rocks
Gr	Granitic rocks
Lime	Limestone

OVERBURDEN DRILLING MANAGEMENT LIMITED

LABORATORY SAMPLE LOG

Appendix II

Sample Number	Weight (kg. wet)			Weight (grams dry)				Grains V.G.	Description		Classification
	Table Split	+10 Rock Chips	-10 Table Feed	Table Conc	M.I. Lights	Non-mag	Mag		+ 10	Matrix	
DO-82											
01-01	1.9	0.1	1.8	40.3	33.2	4.8	2.3		Cobs 90% Gr. 10% v/s	Unsorted grey-beige with clay	TILL
02-03	1.4	0.4	1.0	59.7	57.2	1.6	0.9		Cobs 3% Lime 50% Gr. 45% v/s	"	TILL
-04	4.8	1.2	3.6	78.5	68.5	7.0	2.0		Cobs 5% Lime 70% Gr. 25% v/s	"	TILL
-05	1.3	0.2	1.1	47.1	43.9	2.0	1.2		Cobs 95% Gr. 5% v/s	"	TILL
-06	6.0	1.4	4.6	59.3	48.8	6.6	3.9		Cobs 2% Lime 45% Gr. 50% v/s	"	TILL
03-14	6.1	0.8	5.3	90.6	73.0	12.5	5.1		Cobs tr. Lime GCLs 30% Gr. 60% v/s	"	TILL
04-11	6.3	0.3	6.0	130.9	111.8	12.8	6.3		Cobs 3% Lime 70% Gr. 25% v/s	"	TILL
-12	6.6	0.3	6.3	71.4	59.4	7.2	4.8		Peb's 5% Lime 70% Gr. 20% v/s	"	TILL
-13	5.8	1.2	4.6	33.2	22.5	7.1	3.6		Peb's 1% Lime 65% Gr. 20% v/s	Unsorted grey-beige with silt	TILL
-14	7.2	0.9	6.3	71.3	53.5	10.6	7.2		Peb's tr. Lime 35% Gr. 60% v/s	"	TILL
-15	5.1	0.7	4.4	60.3	52.1	4.7	3.5		Peb's tr. Lime 60% Gr. 35% v/s	"	TILL
05-01	3.0	0.4	2.6	70.0	32.0	4.5	1.5		Peb's 5% Lime 60% Gr. 30% v/s	Unsorted grey-beige with clay	TILL
-02	7.0	2.2	4.8	65.0	52.1	8.2	4.7		Cobs 2% Lime 35% Gr. 60% v/s	"	TILL
06-07	3.1	0.4	2.7	45.5	39.4	4.4	1.7		Cobs 3% Lime 55% Gr. 40% v/s	"	TILL
-08	6.4	0.8	5.6	70.1	56.7	9.2	4.2		Cobs 5% Lime 60% Gr. 35% v/s	"	TILL
-09	3.5	0.4	3.1	44.7	38.0	4.9	1.8		Peb's 10% Lime 50% Gr. 40% v/s	"	TILL
-10	4.1	0.4	3.7	47.5	41.1	4.8	1.6		Peb's 10% Lime 40% Gr. 50% v/s	"	TILL
-11	5.3	0.2	5.1	49.2	46.3	2.2	0.7		Peb's 10% Lime 60% Gr. 30% v/s	"	TILL
07-08	5.5	0.9	4.6	58.9	50.3	6.2	2.4		Cobs 15% Lime 50% Gr. 35% v/s	"	TILL

APPENDIX II

OVERBURDEN DRILLING MANAGEMENT LIMITED

LABORATORY SAMPLE LOG

Appendix II

Sample Number	Weight (kg. wet)			Weight (grams dry)				Grains V.G.	Description		Classification
	Table Split	+10 Rock Chips	-10 Table Feed	Table Conc	M.I. Lights	Non-mag	Mag		+ 10	Matrix	
20-82 07-09	7.2	1.1	6.1	42.7	323	7.4	3.0		Cob's 20% GCL's 40% Gr. 40% v/s	Unsorted grey-beige with clay	TILL
-10	2.1	0.4	1.7	35.6	31.6	2.7	1.3		Cob's tr. Lime 20% GCL's 50% Gr. 30% v/s	"	TILL
-11	6.9	0.4	6.5	73.7	52.8	13.4	7.5		Cob's 5% Lime 50% Gr. 45% v/s	"	TILL
-12	6.1	0.2	5.9	48.2	40.6	4.7	2.9		Cob's 30% Gr. 70% v/s	"	TILL
08-01	5.8	1.4	4.4	54.3	43.7	7.7	2.9		Cob's 20% Lime 40% Gr. 40% v/s	"	TILL
-02	2.7	0.2	2.5	43.7	39.3	3.2	1.2		Cob's 5% Lime 75% Gr. 20% v/s	"	TILL
-03	0.8	<0.1	0.8	23.7	20.5	2.5	0.7		Peb's	"	TILL
-04	9.1	0.2	8.9	112.8	96.4	5.9	10.5		Cob's 50% Gr. 50% v/s	Unsorted grey-beige with silt	TILL
-05	8.3	0.1	8.2	114.5	93.0	11.8	9.7		"	Unsorted beige with silt	TILL
-06	5.7	0.4	5.3	46.5	30.0	9.2	7.3		"	Unsorted grey-beige with clay	TILL
09-01	9.5	0.6	8.9	95.6	55.8	28.3	11.5		Cob's 5% Lime 20% GCL's 35% Gr. 40% v/s	"	TILL
10-15	8.0	1.4	6.6	57.4	46.7	6.3	4.4		Cob's 2% Lime 40% Gr. 55% v/s	"	TILL
-16	8.2	1.6	6.6	58.5	36.8	13.5	8.2		"	"	TILL
-17	7.5	0.6	6.9	87.0	73.6	7.9	5.5		Peb's 40% GCL's 10% Gr. 50% v/s	"	TILL
-18	6.5	1.2	5.3	53.5	38.7	8.0	6.8		Cob's tr. Lime 15% GCL's 15% Gr. 70% v/s	"	TILL
11-14	1.5	<0.1	1.5	31.9	27.4	3.3	1.2		Peb's	"	TILL
-15	5.1	1.2	3.9	35.1	24.5	6.8	3.8		Cob's tr. Lime 60% Gr. 40% v/s	"	TILL
-16	6.6	1.8	4.8	71.1	59.4	7.0	4.7		Cob's tr. Lime 40% Gr. 60% v/s	"	TILL
-17	1.4	0.4	1.0	28.3	25.3	1.4	1.6		Cob's tr. Lime 5% Gr. 95% v/s	Unsorted grey with clay	TILL

APPENDIX II

OVERBURDEN DRILLING MANAGEMENT LIMITED

LABORATORY SAMPLE LOG

Appendix II

Sample Number	Weight (kg. wet)			Weight (grams dry)				Grains V.G.	Description		Classification
	Table Split	+10 Rock Chips	-10 Table Feed	Table Conc	M.I. Lights	Non-mag	Mag		+ 10	Matrix	
Do-82 12-11	5.8	0.1	5.7	110.9	101.4	8.3	1.2		Peb's 50% Gr. 50% v/s	Unsorted grey with silt	TILL
-12	5.3	0.1	5.3	106.6	76.0	29.2	1.4		Peb's	"	TILL
-13	6.4	0.9	5.5	60.6	48.2	12.2	0.2		Peb's 40% Gr. 60% v/s	"	TILL
-14	5.8	0.1	5.7	69.2	56.6	10.2	2.4		Cob's 40% Gr. 60% v/s	"	TILL
-15	4.5	0.2	4.3	67.5	54.4	8.4	4.7		Cob's tr. Lime 30% Gr. 70% v/s	"	TILL
-16	5.5	0.2	5.3	84.3	68.0	10.0	6.3		Cob's 40% Gr. 60% v/s	"	TILL
-17	4.4	0.8	3.6	62.0	53.1	5.9	3.0		Cob's tr. Lime 30% Gr. 70% v/s	Unsorted grey-beige with clay	TILL
-18	6.4	1.1	5.3	66.2	53.8	8.4	4.0		Cob's tr. Lime 35% Gr. 65% v/s	"	TILL
-19	5.3	1.0	4.3	80.0	68.8	6.8	4.4		"	"	TILL
13-01	5.4	0.6	4.8	58.3	47.3	7.7	3.3		Cob's tr. Lime GCL's 50% Gr. 40% v/s	"	TILL
-02	4.0	0.9	3.1	56.8	39.5	12.6	4.7		Cob's 60% Gr. 40% v/s	"	TILL
-03	3.3	0.7	2.6	60.1	53.1	5.2	1.8		Cob's tr. Lime 60% Gr. 40% v/s	"	TILL
-04	4.9	0.8	4.1	50.9	41.6	6.0	3.3		Cob's 5% Lime 55% Gr. 40% v/s	"	TILL
-05	3.4	0.4	3.0	54.0	48.6	4.0	1.4		Cob's 10% Lime GCL's 50% Gr. 30% v/s	"	TILL
-06	3.0	0.5	2.5	45.6	36.1	5.6	3.9		Cob's 20% Gr. 80% v/s	"	TILL

APPENDIX II

Appendix III

GEOCHEMICAL LAB REPORT ON HEAVY

MINERAL CONCENTRATES



BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z6 PHONE: (613) 237-3110 TELEX: 053-4465

Geochemical Lab Report

REPORT: 112-0272

FROM: WESTMIN RESOURCES LIMITED

SUBMITTED BY: OVERBURDEN DRILLING

DATE: 23-MAR-82 PROJECT:

ELEMENT	LOWER DETECTION LIMIT	EXTRACTION	METHOD	SIZE FRACTION	SAMPLE TYPE	SAMPLE PREPARATIONS
Cu	1 PPM	HNO3-HCL HOT EXTR	Atomic Absorption	-200	HEAVY MINERAL CONC.	PULVERIZE -200
Pb	2 PPM	HNO3-HCL HOT EXTR	Atomic Absorption	-200		
Zn	1 PPM	HNO3-HCL HOT EXTR	Atomic Absorption	-200		
Ni	2 PPM	HNO3-HCL HOT EXTR	Atomic Absorption	-200		
Ag	.1 PPM	HNO3-HCL HOT EXTR	Atomic Absorption	-200		
Au	5 PPB	AQUA REGIA	Fire Assay AA	-200		

REPORT COPIES TO: MR. G.E. NUTTER
BRADLEY BROS. DRILLING

INVOICE TO: MR. G.E. NUTTER

REMARKS: IS MEANS INSUFFICIENT SAMPLE
< MEANS LESS THAN

DETECTION LIMITS FOR GOLD
10 gram sample: 5 PPB.
5 gram sample: 10 PPB.
1 gram sample: 50 PPB.

Sample Wt. 10 g. unless otherwise stated.

NOTE:
Check concentration/sample weight ratio
for effective detection level.

APPENDIX III

APPENDIX III



BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z6 PHONE: (613) 237-3110 TELEX: 053-4455

Geochemical Lab Report

REPORT: 112-0272 PROJECT:

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Zn PPM	Ni PPM	As PPM	Au PPB	wt/Au GM	NOTES
DO-82-01-01		18	18	18	18	18	500	2.60	
DO-82-02-03		18	18	18	18	18	18		
DO-82-02-04		18	18	18	18	18	<15	4.10	
DO-82-02-05		18	18	18	18	18	135	0.75	
DO-82-02-06		18	18	18	18	18	1240	3.70	
DO-82-03-14		85	25	136	68	0.5	520	7.10	
DO-82-04-11		130	27	63	55	0.6	45	7.70	
DO-82-04-12		18	18	18	18	18	180	3.90	
DO-82-04-13		18	18	18	18	18	4400	4.10	
DO-82-04-14		141	58	77	57	0.6	<10	5.20	
DO-82-04-15		18	18	18	18	18	<25	2.40	
DO-82-05-01		18	18	18	18	18	85	2.30	
DO-82-05-02		18	18	18	18	18	<10	4.40	
DO-82-06-07		18	18	18	18	18	<25	2.40	
DO-82-06-08		18	18	18	18	18	10	4.90	
DO-82-06-09		18	18	18	18	18	<15	2.70	
DO-82-06-10		18	18	18	18	18	<15	2.40	
DO-82-06-11		18	18	18	18	18	<50	1.00	
DO-82-07-08		18	18	18	18	18	<15	3.20	
DO-82-07-09		18	18	18	18	18	<15	4.40	
DO-82-07-10		18	18	18	18	18	<45	1.20	
DO-82-07-11		120	36	63	37	0.6	<10	7.90	
DO-82-07-12		18	18	18	18	18	<25	2.10	
DO-82-08-01		18	18	18	18	18	15	3.20	
DO-82-08-02		18	18	18	18	18	<25	1.30	
DO-82-08-03		18	18	18	18	18	<25	1.30	
DO-82-08-04		130	26	38	35	0.7	45	9.50	
DO-82-08-05		80	18	29	42	0.8	20	6.60	
DO-82-08-06		18	18	18	18	18	100	5.50	
DO-82-09-01		147	38	69	48	0.8	20		

APPENDIX III

APPENDIX III



BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: (613) 237-3110 TELEX: 053-4455

Geochemical Lab Report

REPORT: 112-0272 PROJECT:

PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Zn PPM	Ni PPM	Ag PPM	Au PPM	wt/Au GM	NOTES
DO-82-10-15		18	18	18	18	18	60	3.40	
DO-82-10-16		133	18	22	30	0.8	80	7.90	
DO-82-10-17		18	18	18	18	18	140	4.30	
DO-82-10-18		18	18	18	18	18	<15	4.80	
DO-82-11-14		18	18	18	18	18	175	1.70	
DO-82-11-15		18	18	18	18	18	325	4.00	
DO-82-11-16		18	18	18	18	18	35	4.00	
DO-82-11-17		18	18	18	18	18	6250	1.00	
DO-82-12-11		18	18	18	18	18	115	5.20	
DO-82-12-12		17	15	18	20	<.1	55		
DO-82-12-13		12	14	24	18	<.1	760	7.20	
DO-82-12-14		50	19	34	59	0.2	85	6.00	
DO-82-12-15		18	18	18	18	18	550	5.00	
DO-82-12-16		18	18	18	18	18	770	6.80	
DO-82-12-17		18	18	18	18	18	30	3.50	
DO-82-12-18		18	18	18	18	18	75	5.20	
DO-82-12-19		18	18	18	18	18	40	3.60	
DO-82-13-01		18	18	18	18	18	30	4.80	
DO-82-13-02		118	36	56	35	0.8	5	7.60	
DO-82-13-03		18	18	18	18	18	55	2.60	
DO-82-13-04		18	18	18	18	18	<15	3.50	
DO-82-13-05		18	18	18	18	18	<15	2.20	
DO-82-13-06		18	18	18	18	18	<15	3.10	

APPENDIX III

APPENDIX III

Appendix IV

GEOCHEMICAL LAB REPORT ON GOLD AND

SILVER CONTENT OF BEDROCK

CHIP SAMPLES



BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: (813) 237-3110 TELEX: 053-4455

Geochemical Lab Report

REPORT: 112-0175

FROM: WESTMIN RESOURCES LIMITED

SUBMITTED BY: WESTMIN

DATE: 23-FEB-82 PROJECT:

ELEMENT	LOWER DETECTION LIMIT	EXTRACTION	METHOD	SIZE FRACTION	SAMPLE TYPE	SAMPLE PREPARATIONS
Ag	.1 PPM	HNO3-HCL HOT EXTR	Atomic Absorption	-200	OTHER	PULVERIZE -200
Au	5 PPB	AQUA REGIA	Fire Assay AA	-200		

REPORT COPIES TO: MR. G.E. NUTTER
C. ROCKINGHAM

INVOICE TO: MR. G.E. NUTTER

APPENDIX IV

REMARKS: SAMPLE NO. DD-82-09-02-R SHOULD READ
DD-82-09-02-15'-16'
OTHER FOR SAMPLE PREP. REFERS TO ROCK CHIPS
ND MEANS NOT DETECTED.

DETECTION LIMITS FOR GOLD
10 gram sample: 5 ppb.
5 gram sample: 10 ppb.
1 gram sample: 50 ppb.

Sample Wt. 10 g. unless otherwise stated.

NOTE:

Check concentration/sample weight ratio
for effective detection level.

RM
to CR

APPENDIX IV



BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: (613) 237-3110 TELEX: 053-4455

Geochemical Lab Report

REPORT: 112-0175 PROJECT:

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag	Au	wt/Au GM	NOTES
		PPM	PPB		
DO-81-01-02		ND	ND		
DO-81-02-07		ND	10		
DO-82-03-15		ND	ND		
DO-82-04-16		ND	ND		
DO-82-05-03		ND	ND		
DO-82-06-12		ND	5		
DO-82-07-13		ND	5		
DO-82-08-07		0.2	35		
DO-82-09-02-A		ND	ND		
DO-82-09-02-B		ND	ND		
DO-82-10-19		ND	ND		
DO-82-11-18		ND	ND		
DO-82-12-20		ND	ND		
DO-82-13-07		ND	20		

APPENDIX IV

APPENDIX IV

APPENDIX V

CERTIFICATES OF ANALYSIS - XRF WHOLE ROCK

ANALYSIS OF BEDROCK CHIP SAMPLES

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755

TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: WESTMIN RESOURCES LTD.
ATTN: G.E. NUTTER
390 BAY ST., STE 1414
TORONTO, ONT.
M5H 2Y2

RECEIVED
MAR 15 1982

CUSTOMER NO. 605

DATE SUBMITTED
18-FEB-82

REPORT 14334

REF. FILE 10043-H6

13 ROCKS

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
WRMAJ %	XRF	0.010
WRMIN PPM	XRF	10.000

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY *[Signature]*

DATE 09-MAR-82

*** UNLESS INSTRUCTED OTHERWISE WE WILL DISCARD REJECTS ***
30 DAYS AND PULPS 180 DAYS FROM DATE OF THIS REPORT

X	X	RRRRR	A	LL
XX	XX	RR RR	AAA	LL
XX	XX	RR RR	AA AA	LL
XXX		RR RR	AA AA	LL
XXX		RRRRR	AAAAAAA	LL
XX	XX	RR RR	AA AA	LL
XX	XX	RR RR	AA AA	LLLLLLL
X	X	RR R	AA AA	LLLLLLL

XRF - WHOLE ROCK ANALYSIS

WESTMIN RESOURCES LTD.

REPORT 14334

09-MAR-82

XRF W. R. A. SUMS INCLUDE ALL ELEMENTS DETERMINED.
FOR SUMMATION ELEMENTS ARE CALCULATED AS OXIDES.

SAMPLE	SI02	AL2O3	CAO	MGO	NA2O	K2O	FE2O3	MNO	TI02	P2O5	CR2O3	LOT	SUM
D0-82-01-02	64.3	16.3	4.51	2.12	5.40	0.84	2.96	0.03	0.28	0.10	0.01	3.70	100.6
D0-82-02-07	48.5	12.8	11.0	4.54	3.14	0.35	13.6	0.23	1.68	0.13	0.00	3.85	99.9
D0-82-03-15	55.7	13.4	5.78	5.00	4.51	1.00	5.81	0.08	0.61	0.13	0.04	8.54	100.7
D0-82-04-16	51.7	12.9	5.65	4.60	1.87	0.25	16.2	0.18	1.62	0.14	0.00	3.54	98.7
D0-82-05-03	53.0	12.5	10.9	2.88	2.01	0.98	12.0	0.20	1.14	0.11	0.00	3.70	99.5
D0-82-06-12	67.9	16.4	0.50	1.71	6.12	1.24	3.47	0.01	0.32	0.11	0.01	2.16	100.0
D0-82-07-13	63.1	14.0	2.69	3.03	4.03	1.13	6.93	0.09	0.71	0.12	0.02	4.31	100.2
D0-82-08-07	48.4	14.5	6.35	3.03	0.36	2.42	15.6	0.24	1.05	0.09	0.02	7.77	99.8
D0-82-09-02	56.6	13.8	4.19	5.00	4.02	0.78	7.10	0.08	0.63	0.29	0.07	7.23	99.8
D0-82-10-19	49.1	13.8	11.2	3.43	1.71	0.29	12.6	0.21	0.93	0.08	0.02	6.85	100.2
D0-82-11-18	46.4	13.7	8.1	4.51	0.61	0.12	13.1	0.23	0.92	0.07	0.02	7.93	100.7
D0-82-12-20	46.4	13.5	8.14	6.19	2.46	1.06	13.0	0.18	1.02	0.08	0.02	8.85	100.9
D0-82-13-07	49.8	13.2	7.34	5.21	4.21	0.24	13.9	0.20	1.38	0.08	0.01	4.31	99.9

SAMPLE	RB	SR	7R
DO-82-01-02	10	760	70
DO-82-02-07	10	100	80
DO-82-03-15	30	370	90
DO-82-04-16	170	110	110
DO-82-05-03	30	170	90
DO-82-06-12	40	330	70
DO-82-07-13	40	170	130
DO-82-08-07	50	120	70
DO-82-09-02	10	410	130
DO-82-10-19	0	180	50
DO-82-11-18	0	120	50
DO-82-12-20	30	70	40
DO-82-13-07	0	50	70

Appendix VI

GOLD GRAIN COUNTS OF 1/4 STORAGE SPLITS

OF HEAVY MINERAL CONCENTRATES



OVERBURDEN DRILLING MANAGEMENT LIMITED

192 POWELL AVENUE, OTTAWA, ONTARIO K1S 2A5 - (613) 822-0202

March 25, 1982

Westmin Resources Limited
Ste. 1414 - 390 Bay Street
Toronto, Ontario
M5H 2Y2

Attention: Mr. Chris Rockingham

Dear Sir:

Re: Detour Area Overburden Drilling Program

Attached find the gold grain counts obtained from our panning of the 1/4 Heavy splits of your Detour area samples.

Only two gold grains were found and it can confidently be assumed that these represent most or all of the V.G. present. If you have obtained a high analysis (say 5000+ ppb) from the matching 3/4 Heavy splits, it will mean that several similar grains were present in that split. If, on the other hand, you have obtained a high analysis where we did not find V.G., it can generally be assumed that:

(a) The 3/4 split contained one or two coarse (300+ microns) grains of V.G.

or

(b) The gold is contained in pyrite.

To assist in determining the above, we have estimated the percentage of pyrite in all concentrates. (attached)

Should you require any additional information, do not hesitate to contact the undersigned.

Yours truly,

S. A. Averill
President

attach.

APPENDIX VI

2.

<u>SAMPLE NO.</u>	<u>GRAINS V.G.</u> <u>IN 1/4 H</u>	<u>SIZE</u> <u>(MICRONS)</u>	<u>TYPE</u>	<u>% SULPHIDES</u> <u>(PYRITE)</u>
01 -01	0			<1%
02 -03	0			20
-04	0			20
-05	0			15
-06	0			10
03 -14	0			20
04 -11	1 grain	50x50	Abraided	20%
-12	0			20
-13	0			15
-14	0			15
-15	0			10
05 -01	0			<1%
-02	0			3
06 -07	0			5
-08	0			15
-09	0			5
-10	0			5
-11	0			2
07 -08	0			1
-09	0			2
-10	0			2
-11	0			5
-12	0			5
08 -01	0			5
-02	0			8
-03	0			8
-04	0			20
-05	0			20
-06	0			50
09 -01	0			15
10 -15	0			8
-16	0			8
-17	0			1
-18	0			<1%
11 -14	0			20
-15	0			20
-16	0			25
-17	0			45
12 -11	0			3
-12	0			<1%
-13	0			1
-14	0			10
-15	0			25
-16	0			25
-17	0			30
-18	0			30
-19	0			30

APPENDIX VI

3.

Sample No.	GRAINS V.G. IN 1/4 H	SIZE (MICRONS)	TYPE	%SULPHIDES (PYRITE)
13-01	0			3
-02	0			3
-03	0			3
-04	0			3
-05	1 grain	250 x 250	Abraided	3
-06	0			1

DETOUR OVERBURDING DRILLING

<u>DRILL HOLE</u>	<u>CLAIM</u>	<u>DEPTH</u>
DO-82-01	P.553467	25ft - 7.6 m
DO-82-02	P.553342	36ft - 11.0 m
DO-82-03	P.553343	90ft - 27.4 m
DO-82-04	P.553466	92ft - 28.0 m
DO-82-05	P.553466	22ft - 6.7 m
DO-82-06	P.553554	82ft - 25.0 m
DO-82-07	P.553554	67ft - 20.4 m
DO-82-08	P.553304	42ft - 12.8 m
DO-82-09	P.553555	20ft - 6.1 m
DO-82-10	P.553304	98ft - 30.0 m
DO-82-11	P.553555	100ft - 30.5 m
DO-82-12	P.553556	104ft - 31.7 m
DO-82-13	P.553303	44ft - 13.4 m

		<u>822 ft - 250.6 meters</u>

EXPENDITURE BREAKDOWN

1. Overburden Drilling	\$22,975.25
2. Charter Flying	\$ 237.60
3. Freight	\$ 196.87
4. Assay & Geochem.	\$ 2,193.05
5. Salary - Drilling Supervision	\$ 3,471.49
6. Travel	\$ 622.84
7. Gas	\$ 36.00
8. Maps	\$ 266.56
9. Project Management & Overhead	\$ 2,999.96

\$32,999.62

=====

\$15.00/day = 2,199,97 days to be filed as assessment work.

February 15, 1982

(la)

**BRADLEY
BROS.
LIMITED**

BRADLEY
BROS.
LIMITED

CONTRACT DIAMOND DRILLING

Westmin Resources Limited
Eastern Canada Exploration Office
Suite 1414 - 390 Bay Street
Toronto, Ontario
M5H 2Y2

HOLE NO.	TO COVER DIAMOND DRILLING FOR	FROM	TO	FOOTAGE COMPLETED		
	Feb. 8 to 15, 1982					
	Detour Lake Area					
1		0'	25'	25'		
2		0'	36'	36'		
3		0'	90'	90'		
4		0'	92'	92'		
5		0'	22'	22'		
6		0'	82'	82'		
7		0'	67'	67'		
8		0'	42'	42'		
9		0'	20'	20'		
10		0'	98'	98'		
11		0'	100'	100'		
12		0'	104'	104'		
13		0'	44'	44'		
	Mobilization and equipment rental -					
55	63 1/2 hours	@		\$218.00		\$13,843.00
65	<i>same as above</i>	@		\$175.00		11,990.00
	Breakdown:					1,157.00
	1/2 hour	@		178.00		89.00
	Down the hole consumable:					
	5 Tricone bits	@	\$725.00	-	\$3625.00	
	1 Adaptor	@	570.00	-	570.00	
					\$4195.00	
	PRECIOUS METALS Plus 15%				629.25	14,824.25
	63 Meals supplied	@			9.00	567.00
	DEMOLITION 221					2,800.00
	Demobilization		21,338.25			\$22,123.25
						21,338.25



Westmin Resources Limited
Toronto, Ontario

CONTROL NO. 0175 (1a)

TO THE BANK OF MONTREAL
MAIN BRANCH
VANCOUVER, B.C.

WESTERN MINES LTD. \$208,400 and 02 cts

DATE April 19, 1982

AMOUNT \$ 208,400.02

Westmin Resources Limited

PAY TO THE ORDER OF

BRADLEY BROS. LIMITED
98, 14th Street
P.O. Box 367
NORANDA, Quebec
J9X 5A9

00981-001
COMPENSATION SPECIAL
SPECIAL CLEARING
00981-001

[Signature]
[Signature]

MAY 4 1982

⑆00040⑆00⑆⑆ 1091⑆⑆⑆⑆ ⑆0020840002⑆

Bank of Montreal
MAY 4 1982

FOR DEPOSIT ONLY
TO THE CREDIT OF
BRADLEY BROS. LIMITED

MY '82 031
BANK OF MONTREAL
BANQUE DE MONTREAL

MAY 4 1982

DATA Centre
VANCOUVER 3, B.C.

⑆ 10129457 ⑆ ⑆ 1130465

WESTMIN



Westmin Resources Limited

Toronto, Ontario

CONTROL NO.

0175 (1a)

TO THE BANK OF MONTREAL
MAIN BRANCH
VANCOUVER, B.C.

WESTMIN
RESOURCES LTD. \$208,400 and 02 cts

DATE April 19, 1982

AMOUNT \$ 208,400.02
Westmin Resources Limited

PAY
TO THE
ORDER OF

BRADLEY BROS. LIMITED
98, 14th Street
P.O. Box 367
NORANDA, Quebec
J9X 5A9

NOT NEGOTIABLE

REMITTANCE VOUCHER - DETACH BEFORE DEPOSITING CHEQUE

0175

EXPLANATION	BALANCE
Invoice dated Feb. 15/82 re Feb. 8 to 15, 1982 Drilling	\$ 22,123.25
Less: Adjustments per Memo dated Mar. 15/82 attached	(785.00)
Invoice dated Feb. 28/82 re Feb. 16 to 28, 1982 Drilling	52,664.07
Less: Debit Memo No. 0005 attached	(1,634.50)
Invoice dated Mar. 15/82 re Mar. 1 to 15, 1982 Drilling	57,455.84
Less: Debit Memo No. 0010 attached	(113.00)
Invoice dated Mar. 15/72 re Mar. 1 to 15, 1982 Drilling	78,833.36
Less: Debit Memo No. 0011 attached	(144.00)
	<u>\$208,400.02</u>

CB 154



Westmin Resources Limited
Toronto, Ontario

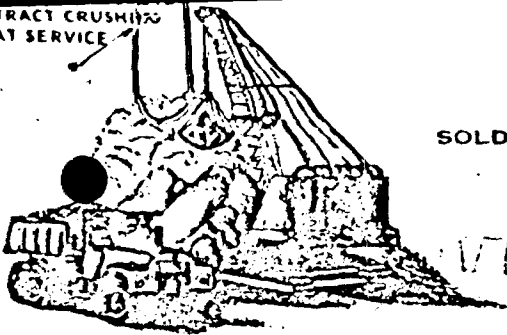
CONTRACT CRUSHING
FLOAT SERVICE



M Contractors

16

17-1st St. - P.O. Box 610
COCHRANE, ONT.
POL ICO



SOLD TO

Westmin Resources Limited,
Suite 1414, 390 Bay Street,
TORONTO, Ontario.
M5H 2Y2.

INVOICE

82-19

CUSTOMER'S ORDER NO. _____

Jan. 31 198 2.

Terms: Net 30 Days - 1 1/2% Interest Per Month Charged On Post Due Accounts

81K

DATE		RATE	DEBIT	CREDIT
1982	Rental 66 Equipment for Drilling Program at Detour Lake.			
13-29	✓ 39 Hours - Cat D6C #47 @	57.50	\$2,242.50	✓
	✓ 3 Hours - Nodwell @	34.50	103.50	✓
	✓ 9 Hours - Cat 966C #11 @	70.00	630.00	✓
	✓ 1 Hour - Cat D6C #42 @	57.50	57.50	✓
			<u>\$3,033.50</u>	✓

PRECIOUS METALS		
DETOUR	305	1,396.50
✓	221	4,637.00
		3,033.50

Please Pay from INVOICE - Statement sent only on request
GRAVEL PITS THROUGHOUT THE COCHRANE DISTRICT



Westmin Resources Limited
Toronto, Ontario

CONTROL NO. 0050 (16)

TO THE BANK OF MONTREAL
MAIN BRANCH
VANCOUVER, B.C.

WESTMIN MINES LTD. \$3,033 and 50cts

DATE February 26, 1982

AMOUNT \$ 3,033.50
Westmin Resources Limited

PAY TO THE ORDER OF

M.J. LABELLE CO. LTD.
17 - 1st St.
P.O. Box 610
COCHRANE, Ontario
POL 1CO

R.H. McMillan
B. Lewis

⑆00040⑆00⑆⑆ 109⑆⑆⑆⑆⑆⑆⑆ ⑆0000303350⑆

REMITTANCE VOUCHER - DETACH BEFORE DEPOSITING CHEQUE

0050

EXPLANATION	BALANCE
Invoice No. 82-19 dated Jan. 31, 1982	<u>\$3,033.50</u> CB 148



Westmin Resources Limited
Toronto, Ontario

70292-002
THE BANK OF MONTREAL
COCHRANE, ONTARIO

DEPOSIT TO THE CREDIT OF
M. J. LABELLE CO. LTD.
ACCT. No. 10-15

MAR 02 1982
BANK OF MONTREAL
DATA CENTRE
TORONTO

MAR 02 1982
BANK OF MONTREAL
TORONTO REGIONAL
DATA CENTER

⑆002⑆⑆⑆⑆⑆⑆⑆ ⑆000000⑆⑆ ⑆562⑆⑆⑆⑆⑆⑆⑆



Westmin Resources Limited
Toronto, Ontario

CONTROL NO. 0090 (29)

TO THE BANK OF MONTREAL
MAIN BRANCH
VANCOUVER, B.C.

WESTERN MINES LTD. \$475 and 20cts

DATE March 15, 1982

AMOUNT \$ 475.20
Westmin Resources Limited

R.H. [Signature]
S. Lewis

PAY TO THE ORDER OF

LINDBERGH'S AIR SERVICE LTD.
Box 998
COCHRANE, Ontario
POL 1C0

⑆00040⑆001⑆ 1091⑆113⑆ ⑆0000047520⑆

EXPLANATION	BALANCE
Invoice No. 1450 dated Feb. 8, 1982 " " 2455 " Feb. 12, 1982	\$237.60 <u>237.60</u> <u>\$475.20</u> (B 1 5 0)



Westmin Resources Limited
Toronto, Ontario

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1153L
1091
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170921 COLMAR, ONT. MAR 23 1982

WESTMIN RESOURCES LIMITED



Westmin Resources Limited
Toronto, Ontario

CONTROL NO. 0054

39

TO THE BANK OF MONTREAL
MAIN BRANCH
VANCOUVER, B.C.

WESTERN MINES LTD. \$17 and 04cts

DATE February 26, 1982

AMOUNT \$ 17.04

Westmin Resources Limited

R.A. [Signature]

[Signature]

PAY TO THE ORDER OF

PUROLATOR COURIER LTD.
P.O. Box 105, Station G
TORONTO, Ontario
M4M 3E8

⑆00040⑆001⑆

1091⑆113⑆

⑆0000001704⑆

0054

EMITTANCE VOUCHER - DETACH BEFORE DEPOSITING CHEQUE

EXPLANATION

BALANCE

Invoice No. 786231 1 dated Jan. 23, 1982

\$17.04

CB 149



Westmin Resources Limited
Toronto, Ontario

FOR DEPOSIT ONLY
PUROLATOR COURIER LTD.
02 26 82
FOR DEPOSIT ONLY
02 26 82
FOR DEPOSIT ONLY
PUROLATOR COI

FEB '82 26
BANK OF MONTREAL
TORONTO REGIONAL
DATA CENTER

⑆7402058⑆

⑆10187708⑆

⑆4583226⑆

REMIT TO: PO BOX 105 STATION G TORONTO, ONT M4M 3E8

NO DU COMPTE ACCOUNT NO. 01-07-32402
 NO DE LA FACTURE INVOICE NO. 122113 4
 DÉLAI FINISSANT PERIOD ENDING 02-06-82

WESTMIN RESOURCES LTD
 390 BAY ST 1414
 TORONTO ONT
 M5H 2Y2

"LE SERVICE DE COURRIER LE PLUS IMPORTANT AU CANADA" CANADA'S LARGEST COURIER SERVICE

DESCRIPTION DES FRAIS — DESCRIPTION OF CHARGES				FRAIS CHARGES
NO. DE RÉFÉRENCE DE P.C.L. / P.C.L. REFERENCE NO.	POIDS / WEIGHT	BIL DATE / BL. DATE	NO. DE LA FACTURE / INVOICE NO.	
501-069-012282	1.00	01/21/82	1385	7.62
501-103-020182	1.00	01/28/82	138915	9.42
CHARGE TO PRECIOUS METALS DE TOUR 330 EMP. ADVANCE - D. ROBINSON 942				17.04
P113 CE COMPTE DOIT ÊTRE PAYÉ DANS LES SEPT JOURS SUIVANT THIS ACCOUNT MUST BE PAID WITHIN 7 DAYS				
MONTANT À PAYER / PLEASE PAY THIS AMOUNT →			\$	17.04

ORIGIN / POINT D'ORIGINE		DESTINATION	
AIRPORT/AÉROPORT	AREA/ZONE	AIRPORT/AÉROPORT	
(473-4467)		CHECK ONE ENCOCHER UNE	
POSTAL CODE / CODE POSTAL 2K0.		<input checked="" type="checkbox"/> 7 <input type="checkbox"/> 7	
TIME/HEURE 182		DECLARED VALUE / VALEUR DÉCLARÉE \$ 6	
WEIGHT/POIDS 200 grams		WEIGHT RATE / TARIF AU POIDS 740	
SPECIALS / SPÉCIAUX 3% Ius/Ste		ADVANCE CHARGES / À COMPTÉ	
TOTAL WEIGHT / POIDS TOTAL		EXCESS VALUE / VALEUR EXCÉDENTAIRE 22	
TIME/HEURE		TOTAL CHARGES / FRAIS TOTAUX 76.2	

00000501000001
 De Tour Lake



Westmin Resources Limited
Toronto, Ontario

CONTROL NO. 0136

32

TO THE BANK OF MONTREAL
MAIN BRANCH
VANCOUVER, B.C.

WESTERN MINES LTD. \$350 and 35cts

DATE March 26, 1982

AMOUNT \$ 350.35
Westmin Resources Limited

PAY TO THE ORDER OF

OVERBURDEN DRILLING MANAGEMENT LTD.
192 Powell Avenue
OTTAWA, Ontario
K1S 2A5

R.D. [Signature]
[Signature]

⑆00040⑆00⑆⑆

109⑆⑆⑆113⑆⑆

⑆0000035035⑆⑆

REMITTANCE VOUCHER - DETACH BEFORE DEPOSITING CHEQUE

0136

EXPLANATION	BALANCE
Invoice dated March 1, 1982 re Overburden Drilling Program	<u>\$350.35</u> <i>CB152</i>



Westmin Resources Limited
Toronto, Ontario

WESTMIN

APR 02 '82 05
BANK OF MONTREAL
VANCOUVER REGIONAL
DATA CENTRE
100-09610

APR 02 '82
BANK OF MONTREAL
BANK OF MONTREAL

20737372

890041297

20167394



Westmin Resources Limited
Toronto, Ontario

CONTROL NO. 0122 (30)

TO THE BANK OF MONTREAL
MAIN BRANCH
VANCOUVER, B.C.

WESTERN MINES LTD. \$68 and 90cts

DATE March 26, 1982

AMOUNT \$ 68.90
Westmin Resources Limited

R. H. Marshall
S. Lewis

PAY TO THE ORDER OF

AIR CANADA
P.O. Box 966
WINNIPEG, Manitoba
R3C 2V6

⑆00040⑆001⑆

1091⑆113⑆

⑆0000006890⑆

WESTMIN

1091⑆113⑆

⑆0000006890⑆

SCOTTABANK
DATA CENTRE
WINNIPEG

1 MR. 29 29 1

PAY TO THE ORDER OF
THE BANK OF NOVA SCOTIA
MAR 29 1982
AIR CANADA
CARGO

⑆0000006890⑆

WAYBILL NO. 1409032940 0	PPD	WESTMIN RESOURCES LTD	BONDAR-CLEGG O CO LTD	WEIGHT CHARGE TAXE AU POIDS
DATE FEB 16 82		X 390 BAY ST STE 1414 TORONTO ONT M5H 2Y2	OTTAWA ONT	VALUATION CHARGE TAXE A LA VALEUR
COMMODITY MARCHANDISE	WEIGHT POIDS 450	NATURE AND QUANTITY OF GOODS NATURE ET QUANTITE DES MARCHANDISES ROCK SAMPLE	CONV. RATE 1.0000	PICK-UP ENLEVEMENT
	RATE TARIFF 0.730	DESTINATION CHNG ACC YOYAC ERROR		DELIVERY LIVRAISON
				INSURANCE ASSURANCE
				AGENT'S DISB DEBOURS D'AGENT
				OTHER AUTRES TAXES
				TOTAL

3c

WAYBILL NO. 1409033010 0	PPD	WESTMIN RESOURCES LTD	X RAY ASSAY LAB LTD	WEIGHT CHARGE TAXE AU POIDS
DATE FEB 16 82		X 390 BAY ST STE 1414 TORONTO ONT M5H 2Y2	1885 LESLIE ST DON MILLS ONT M3B 3J4	VALUATION CHARGE TAXE A LA VALEUR
COMMODITY MARCHANDISE	WEIGHT POIDS 350	NATURE AND QUANTITY OF GOODS NATURE ET QUANTITE DES MARCHANDISES ROCK SAMPLES	CONV. RATE 1.030	PICK-UP ENLEVEMENT
	RATE TARIFF 1.030	BROKER-BORDER 676-3700 DOMESTIC SHPT ON DLVRY ON ARVL		DELIVERY LIVRAISON
				INSURANCE ASSURANCE
				AGENT'S DISB DEBOURS D'AGENT
				OTHER AUTRES TAXES
				TOTAL

WAYBILL NO. 1409033010 0	PPD	WESTMIN RESOURCES LTD	X RAY ASSAY LAB LTD	WEIGHT CHARGE TAXE AU POIDS
DATE FEB 16 82		X 390 BAY ST STE 1414 TORONTO ONT M5H 2Y2	1885 LESLIE ST DON MILLS ONT M3B 3J4	VALUATION CHARGE TAXE A LA VALEUR
COMMODITY MARCHANDISE	WEIGHT POIDS 350	NATURE AND QUANTITY OF GOODS NATURE ET QUANTITE DES MARCHANDISES ROCK SAMPLES	CONV. RATE 1.030	PICK-UP ENLEVEMENT
	RATE TARIFF 1.030	BROKER-BORDER 676-3700 DOMESTIC SHPT ON DLVRY ON ARVL		DELIVERY LIVRAISON
				INSURANCE ASSURANCE
				AGENT'S DISB DEBOURS D'AGENT
				OTHER AUTRES TAXES
				TOTAL

WAYBILL NO. 1409033010 0	PPD	WESTMIN RESOURCES LTD	X RAY ASSAY LAB LTD	WEIGHT CHARGE TAXE AU POIDS
DATE FEB 16 82		X 390 BAY ST STE 1414 TORONTO ONT M5H 2Y2	1885 LESLIE ST DON MILLS ONT M3B 3J4	VALUATION CHARGE TAXE A LA VALEUR
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				INSURANCE ASSURANCE
				AGENT'S DISB DEBOURS D'AGENT
				OTHER AUTRES TAXES
				TOTAL

WAYBILL NO. 1409033010 0	PPD	WESTMIN RESOURCES LTD	X RAY ASSAY LAB LTD	WEIGHT CHARGE TAXE AU POIDS
DATE FEB 16 82		X 390 BAY ST STE 1414 TORONTO ONT M5H 2Y2	1885 LESLIE ST DON MILLS ONT M3B 3J4	VALUATION CHARGE TAXE A LA VALEUR
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	RATE TARIFF 1.030	BROKER-BORDER 676-3700 DOMESTIC SHPT ON DLVRY ON ARVL		DELIVERY LIVRAISON
				INSURANCE ASSURANCE
				AGENT'S DISB DEBOURS D'AGENT
				OTHER AUTRES TAXES
				TOTAL

WAYBILL NO. 1409033010 0	PPD	WESTMIN RESOURCES LTD	X RAY ASSAY LAB LTD	WEIGHT CHARGE TAXE AU POIDS
DATE FEB 16 82		X 390 BAY ST STE 1414 TORONTO ONT M5H 2Y2	1885 LESLIE ST DON MILLS ONT M3B 3J4	VALUATION CHARGE TAXE A LA VALEUR
COMMODITY MARCHANDISE	WEIGHT POIDS 350	NATURE AND QUANTITY OF GOODS NATURE ET QUANTITE DES MARCHANDISES ROCK SAMPLES	CONV. RATE 1.030	PICK-UP ENLEVEMENT
	RATE TARIFF 1.030	BROKER-BORDER 676-3700 DOMESTIC SHPT ON DLVRY ON ARVL		DELIVERY LIVRAISON
				INSURANCE ASSURANCE
				AGENT'S DISB DEBOURS D'AGENT
				OTHER AUTRES TAXES
				TOTAL

WAYBILL NO. 1409033010 0	PPD	WESTMIN RESOURCES LTD	X RAY ASSAY LAB LTD	WEIGHT CHARGE TAXE AU POIDS
DATE FEB 16 82		X 390 BAY ST STE 1414 TORONTO ONT M5H 2Y2	1885 LESLIE ST DON MILLS ONT M3B 3J4	VALUATION CHARGE TAXE A LA VALEUR
COMMODITY MARCHANDISE	WEIGHT POIDS 350	NATURE AND QUANTITY OF GOODS NATURE ET QUANTITE DES MARCHANDISES ROCK SAMPLES	CONV. RATE 1.030	PICK-UP ENLEVEMENT
	RATE TARIFF 1.030	BROKER-BORDER 676-3700 DOMESTIC SHPT ON DLVRY ON ARVL		DELIVERY LIVRAISON
				INSURANCE ASSURANCE
				AGENT'S DISB DEBOURS D'AGENT
				OTHER AUTRES TAXES
				TOTAL

DATE	AIR WAYBILL NO. NO DE LETTRE DE TRANSPORT AERIEN	AMOUNT MONTANT	DATE	AIR WAYBILL NO. NO DE LETTRE DE TRANSPORT AERIEN	AMOUNT MON
FEB 16 82	01409032940 0 01	32.85	FEB 16 82	01409033010 0 02	36.

AIR CANADA CARGO WESTMIN RESOURCES LTD X 390 BAY ST STE 1414 TORONTO ONT M5H 2Y2	A CREDIT CHARGE OF 1.750 % PER MONTH (21 % PER ANNUM) IS PAYABLE ON OVERDUE ACCOUNTS	PAGE TOTAL 68. TOTAL DE LA PAGE 68. INVOICE TOTAL 68. TOTAL DE LA FACTURE 68.
	UN INTERET MENSUEL DE 1.750 % (21 % L'AN) EST FACTURE SUR LE SOLDE IMPAYE	ADDRESS INQUIRIES TO. ADRESSER LES RECLAMATIONS A PH/TEL (204) 985-5782

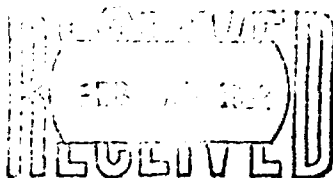
AIR CA
P.O. BOX
WINNIPEG
R3C 2V6
TEL: 07-5

BONDAR-CLEGG & COMPANY LTD.

4a

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110 TELEX: 053-4455

Westmin Resources Limited
c/o Mr. G.E. Nutter
Suite 1414-390 Bay Street
Toronto, Ontario
M5H 2Y2



INVOICE: **F 02609**
DATE: February 23, 1982
REPORT NO: 112-0175
PROJECT:

14	Analyses of Silver	@ \$1.75	\$24.50 ✓
14	Analyses of Gold	@ 5.25	73.50 ✓
14	Sample Preparation	@ 1.25	17.50 ✓
	Shipping Charge		<u>5.30</u>
		Total	<u>\$120.80 ✓</u>

126

dr

Precious Metals (detour)

detour

335

120 80

P111 SAM R

120 80

Wm

THIS IS A PROFESSIONAL SERVICE
ACCOUNTS DUE WHEN RENDERED

46



Westmin Resources Limited
Toronto, Ontario

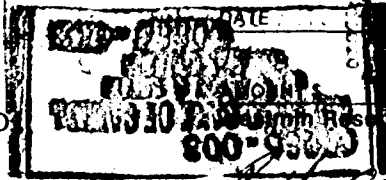
CONTROL NO. 0155

TO THE BANK OF MONTREAL
MAIN BRANCH
VANCOUVER, B.C.

WESTERN MINES LTD. \$469 and 00cts

April 15, 1982

59.00



BONDAR-CLEGG & COMPANY LTD.
764 Belfast Road
OTTAWA, Ontario
K1G 0Z5

R.H. McMillan
S. Lewis

FOR DEPOSIT ONLY
TO THE CREDIT OF
BONDAR - CLEGG & CO. LIMITED
106-637-2

0004000010

1091113

0000046900

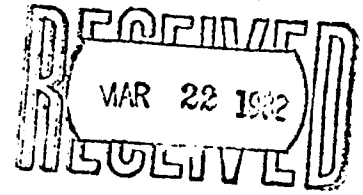


OVERBURDEN DRILLING MANAGEMENT LIMITED

192 POWELL AVENUE, OTTAWA, ONTARIO K1S 2A5 - (613) 822-8288

4c

226 1774



March 18, 1982

To: Westmin Resources Limited
Ste. 1414 - 390 Bay Street
Toronto, Ontario
M5H 2Y2

Attention: Mr. G. E. Nutter

Re: Sample Processing D0-82-01-01 to 13-06

Credit note \$2.50/sample
53 samples

\$132.50 ✓

INVOICE TOTAL -revised

\$1147.50

Averill
Nancy Averill
General Manager

PRECIOUS METALS				
QUANTITY	UNIT	PRICE	TOTAL	AMOUNT
	DETOUR	335		1147 ⁵⁰
Total				1147 ⁵⁰

1147 *AMJ* *75* *1147⁵⁰*

WESTMIN

Westmin Resources Limited
Toronto, Ontario

CONTROL NO. **0187**

4c

TO THE BANK OF MONTREAL
MAIN BRANCH
VANCOUVER, B.C.

WESTMIN RESOURCES LTD. \$1,147 and 50cts

DATE **April 27, 1982**

AMOUNT **\$1,147.50**

Westmin Resources Limited

R.A. McMillan

S. Lewis

PAY TO THE ORDER OF

OVERBURDEN DRILLING MANAGEMENT LIMITED
192 Powell Avenue
OTTAWA, Ontario
K1S 2A5

⑆00040⑆00⑆⑆

1091⑆113⑆

⑆0000114750⑆

YELG

WESTMIN RESOURCES LTD. 0187

0187-007
WESTMIN RESOURCES LTD.
TORONTO, ONTARIO
0187-007

⑆24789755

⑆90452224

⑆10166104

7d



Westmin Resources Limited
Toronto, Ontario

CONTROL NO. 0173

TO THE BANK OF MONTREAL
MAIN BRANCH
VANCOUVER, B.C.

WESTERN MINES LTD. \$273 and 75cts

DATE April 15, 1982

AMOUNT \$ 273.75
Westmin Resources Limited

R. L. MacMillan

E. Lewis

PAY
TO THE
ORDER OF

X-RAY ASSAY LABORATORIES LIMITED
1885 Leslie Street
DON MILLS, Ontario
M3B 3J4

⑆00040⑆001⑆

1091⑆113⑆

⑆0000027375⑆

CV10

FOR DEPOSIT ONLY
TO THE CREDIT OF
X-RAY ASSAY LABORATORIES LTD.
AP '82' 20
BANK OF MONTREAL
TORONTO REGIONAL
DATA CENTER

06852-003
BANK OF MONTREAL
TORONTO, ONTARIO
06852-003

⑆2682239⑆

⑆1070155⑆

⑆4871255⑆

PROJECT AFE (EASTERN REGION)

⑤
4/19

Project DETOUR
F.E. _____

Month FEBRUARY
Year 1982

	<u>Current Month</u>	<u>Amount To Date</u>	<u>Total Budget</u>
LAND COSTS			
101 Option/Property Acquisition Costs...			
105 Finders Fee.....			
110 Staking Costs.....			
115 Legal Surveys.....	25.00	25.00	
120 Recording Fees.....			
125 Holding Fees.....			
TOTAL ACQUISITION COSTS	25.00	25.00	
EXPLORATION COSTS			
Contractors			
201 Geophysical.....	29,160.21	29,160.21	
202 Geological.....			
205 Linecutting.....			
210 Surveying.....			
216 Diamond Drilling.....			
221 Percussion Drilling.....	1,637.00	1,637.00	
230 Geochemical.....			
235 Bulldozing, Trenching.....			
240 Other Contractors.....			
245 Contract Labour.....		48.00	
250 Charter Flying - Fixed Wing.....	2,910.90	3,262.20	
255 - Helicopter.....			
SUB-TOTAL	33,708.11	34,107.41	
Project Field Costs			
301 Camp Expense - Food.....	235.61	568.79	
305 Materials & Supplies.....	24,628.82	4,311.80	
310 Equipment Rentals - External.....			
311 - Internal.....	2,655.00	3,955.00	
315 Non Capital Equipment.....	2,120.00	2,120.00	
320 Equipment Maintenance.....			
325 Fuel (Excluding vehicles).....	736.02	983.24	
330 Freight.....	1,075.52	1,384.39	
335 Assay & Geochem.....	188.80	188.80	
SUB-TOTAL	31,639.77	13,512.02	
Engineering			
408 Environmental Land Use.....			
Other.....			
SUB-TOTAL			
Administrative			
801 Contract Technical Help.....			
802 Salary - Permanent Technical.....	5,059.00	8,615.00	
820 Fringe Benefits @ 34.0%.....	1,720.00	2,929.00	
804 Salary - Temporary Technical.....	1,275.00	1,887.00	
821 Fringe Benefits @ 17.0%.....	217.00	321.00	
827 Travel & Subsistence.....	533.78	1,051.58	
830 Entertainment.....	41.70	60.75	
845 Automotive Gas & Repairs.....	623.49	623.49	
848 Automotive Expense.....	1,900.00	3,500.00	
850 Telephone Communications.....	122.00	122.00	
856 Office Supplies.....			
863 Drafting Materials.....			
864 Maps & Reports.....	57.94	69.60	
878 Computer Service.....			
895 Project Management Fees.....			
896 Project Overhead Costs.....	7,692.28	6,682.39	
899 Project Accruals.....	28,000.00	63,000.00	
SUB-TOTAL	47,242.19	88,861.81	
TOTAL PROJECT COST	112,615.07	136,506.24	
Recoveries			
950 Joint Venture Recoveries.....			
NET PROJECT COST	112,615.07	136,506.24	



PRIORITY TRAVEL LIMITED
 68 YONGE STREET, TORONTO, CANADA M5E 1L1
 (416) 366-3519

Nº 47808

Ca

DATE
 Mar. 08th 1982
 PASSENGER
 Mr. E. Nutter
 DESTINATION

ORIGINAL INVOICE

Toronto Timmins Cochrane

Westmin Resources Limited
 Suite 1414
 390 Bay St.
 Toronto
 Ontario

PRECIOUS METALS		AMOUNT
DETOUR 827		152 30

SUPPLIER:		AIR CANADA
Date of Travel	Ticket No.	
Mar. 10/82	014 3605 948 270	
Amount	XXX \$152.30	
52 30		

TERMS : NET CASH



PRIORITY TRAVEL LIMITED
 68 YONGE STREET, TORONTO, CANADA M5E 1L1
 (416) 366-3519

Nº 47908

DATE
 March 17/82
 PASSENGER
 Mr. E. Nutter
 DESTINATION

ORIGINAL INVOICE

COCHRANE/TIMMINS/TORONTO

Westmin Resources
 390 Bay Street, Suite 1414
 Toronto, Ontario
 M5H 1N6

PRECIOUS METALS		AMOUNT
DETOUR 827		151 30

SUPPLIER:		AIR CANADA
Date of Travel	Ticket No.	
Mar 19/82	014 3605948338	
Amount	XXXXXX \$151.30	
151 30		

TERMS : NET CASH



Westmin Resources Limited
Toronto, Ontario

CONTROL NO.

0137 (6a)

TO THE BANK OF MONTREAL
MAIN BRANCH
VANCOUVER, B.C.

WESTERN MINES LTD. \$414 and 85cts

DATE March 26, 1982

AMOUNT \$ 414.85
Westmin Resources Limited

PAY TO THE ORDER OF

PRIORITY TRAVEL LIMITED
68 Yonge Street
TORONTO, Ontario
M5E 1L1

R. H. McMillan

S. Lewis

⑆00040⑆00⑆⑆

⑆09⑆⑆⑆⑆⑆⑆⑆⑆

⑆000004⑆⑆⑆⑆⑆⑆⑆⑆

0137

DEBIT VOUCHER - DETACH BEFORE DEPOSITING CHEQUE

EXPLANATION	BALANCE
Invoice No. 47808 dated March 8, 1982	\$152.30
" 47815 " March 8, 1982	111.25
" 47908 " March 17, 1982	151.30
	<u>\$414.85</u>
	CB 152



Westmin Resources Limited
Toronto, Ontario

100-209486
100-209486
100-209486

MR '82
BANK OF MONTREAL
TORONTO REGIONAL
DATA CENTER

MAR 29 1982

100-209486

5251 78161

⑆000002⑆⑆⑆⑆⑆⑆⑆⑆

⑆02407⑆⑆⑆⑆⑆⑆⑆⑆

enRoute

STATEMENT RELEVÉ

DIRECT ENQUIRIES TO ADDRESS SHOWN ON REVERSE.
ADRESSER TOUTE CORRESPONDANCE À L'ADRESSE INDIQUÉE AU VERSO.

66

STATEMENT DATE
DATE DU RELEVÉ **MAR 10/82**

ACCOUNT NO.
N° DE COMPTE **290 376 2**

PAGE
PAGE **1**

DATE		REFERENCE NO.	CARD SERIAL NO.	FOR EXPLANATION	DESCRIPTION	L'EXPLICATION DES	AMOUNT																				
MO.	DAY	N° DE RÉFÉRENCE	N° DE SÉRIE DE LA CARTE	OF ENTRIES	DESCRIPTION	MENTIONS FIGURE	MONTANT																				
MOIS	JOUR			SEE REVERSE		AU VERSO																					
03	02	0302012			PAYMENT THANK YOU		110.15CR																				
02	16	820208300005	0091		AIRCANADA 4449685514 ROU/MON/TOR																						
					NUTTER/E MR		203.05																				
TOTAL		NUTTER/GE				203.05																					
02	03	820209749004	0109		AIRCANADA 3101740604 TIM/TOR																						
					RDKINGHAM M C		110.15 ✓																				
TOTAL		ROCKINGHAM/CJ				110.15																					
02	04	83402699128	0117		BESSBOROUGH HOTEL	SASKATOON	64.59 ✓																				
TOTAL		NICHOLLS/PRJ				64.59																					
<p>CHARGE TO UJV</p> <table border="1" style="margin: auto;"> <tr> <td>RUSSELL</td> <td>827</td> <td>32</td> <td>30</td> </tr> <tr> <td>RUSSELL LN</td> <td>827</td> <td>32</td> <td>29</td> </tr> <tr> <td>DEWAR</td> <td>827</td> <td>110</td> <td>15</td> </tr> <tr> <td></td> <td>827</td> <td colspan="2" style="border: 2px solid black; border-radius: 50%; padding: 5px;">203.05</td> </tr> <tr> <td></td> <td></td> <td>277</td> <td>79</td> </tr> </table>								RUSSELL	827	32	30	RUSSELL LN	827	32	29	DEWAR	827	110	15		827	203.05				277	79
RUSSELL	827	32	30																								
RUSSELL LN	827	32	29																								
DEWAR	827	110	15																								
	827	203.05																									
		277	79																								

D16

PREVIOUS BALANCE SOLDE PRÉCÉDENT	PAYMENTS VERSEMENTS	CREDITS CRÉDITS	UNPAID BALANCE SOLDE IMPAYÉ	TO AVOID A CREDIT CHARGE, PAYMENT OF THE "TOTAL DUE" MUST BE RECEIVED BY: POUR NE PAS AVOIR À PAYER D'INTÉRÊT, NOUS FAIRE PARVENIR LE RÉGLEMENT DU DÉBIT TOTAL AU PLUS TARD LE: MO DAY YEAR MOIS JOUR ANNÉE
586.53	110.15CR			
CREDIT CHARGE INTÉRÊTS	PURCHASES/ADJUSTMENTS ACHATS/RECTIFICATIONS	TOTAL DUE DÉBIT TOTAL	MINIMUM PAYMENT ACOMPTÉ MINIMAL	
	377.79	854.17		

APR 04/82

66



Westmin Resources Limited
Toronto, Ontario

CONTROL NO. 0047

TO THE BANK OF MONTREAL
MAIN BRANCH
VANCOUVER, B.C.

WESTERN MINES LTD. \$81 and 93cts

BANK OF MONTREAL
TORONTO REGIONAL
DATA CENTER
100-29690
0-592-000

DATE February 26, 1982
AMOUNT \$ 81.93
Westmin Resources Limited

PAY TO THE ORDER OF

DATA REPRO. COM LTD.
299 Queen Street West
TORONTO, Ontario
M5V 1Z9

R. H. McMillan
B. Lewis

⑆00000008193⑆ 1091 113 1000400011

0047

REMITTANCE VOUCHER - DETACH BEFORE DEPOSITING CHEQUE

EXPLANATION	BALANCE
<p><u>Account No. 290 376 2</u></p> <p>Statement dated March 10, 1982</p>	<p><u>\$377.79</u></p> <p>CB 100</p>

WESTMIN
Westmin Resources Limited
Toronto, Ontario

EXPENSE STATEMENT

PAGE 2 OF 2

CURRENCY CAN

EXCHANGE RATE N/A

62

E. G. L. NUTTER DEPT./DIVISION MINING DATE Mar 25 PERIOD COVERED Jan 1 TO MAR 19

LINE	LOCATION	827				HOTEL/MOTEL	MEALS	845 AUTO/GAS REPAIRS	305 SUPPLIES/ MATERIALS	830 ENTER- TAINMENT	MISC.	EXPLANATION	TOTAL	CODES		
		TRAVEL	TAXI/PARK RENTALS	PERSONAL km/mi	CAR TOTAL									GL	AFE	S.F.
9	TORONTO			10	2 ⁵⁰ 40							2 ⁵⁰				DETOUR
10	"		1 22 ⁰⁰		3							22 ⁰⁰				"
10	Cochrane					129 ⁴⁰						29 ⁴⁰				"
10	Cochrane						1 27 ⁸²					27 ⁸²				"
11	Cochrane						7 ⁵⁰					7 ⁵⁰				"
19	Timmins						10 ⁰⁰					10 ⁰⁰				"
19	TORONTO		1 22 ⁰⁰									22 ⁰⁰				"
BRANCH																
											ADMIN	831	56 ⁵⁰			
												836	35 ⁰⁰			
											DUBAWNT	830	93 ⁴¹			
												827	17 ⁵⁰			
												205	21 ⁷			
											DETOUR	827	26 ⁷⁹			
												825	36 ⁰⁰			
											PROJECT	CH#0194	53 ⁸³			
												# 521,37	ARCDO (17.00)			
												MAR 2681	ATTNED # 521,37			
TOTALS			1 22 ⁰⁰		10 ²⁰ 7 ⁸⁰	113 32	53 32	36 ⁰⁰	32 17	93 41	91 50		538 ³⁷ 535 ⁰⁰			

SIGNATURES

Author _____
 Approval - Next highest level of authority _____
 Approval - Other (When necessary) _____
 Accounting _____

TOTAL EXPENSES _____
 LESS ADVANCES _____
 AMOUNT DUE (Company) -Employee _____

7

G.E. NUTTER

DEPT./DIVISION MINING

DATE Mar 25

PERIOD COVERED Jan 1 TO MAR 19

LOCATION	827				HOTEL/MOTEL	MEALS	845 AUTO/GAS REPAIRS	305 SUPPLIES/ MATERIALS	830 ENTER- TAINMENT	MISC.	EXPLANATION	TOTAL	CODES		
	TRAVEL	TAXI/PARK RENTALS	PERSONAL km/mi	CAR TOTAL									G.L.	AFE	S.F.
TORONTO			10	2 ⁵⁰ ₄₀							Pick up Equip	2 ⁵⁰ ₄₀			DETOUR
"		1 22 ⁰⁰		3							Taxi	22 ⁰⁰			"
Cochrane					1 29 ⁴⁰						Hotel	29 ⁴⁰			"
Cochrane						1 27 ⁸²					Meals	27 ⁸²			"
Cochrane						7 ⁵⁰					breakfast	7 ⁵⁰			"
Timmins						10 ⁰⁰					Lunch	10 ⁰⁰			"
TORONTO		1 22 ⁰⁰									Taxi	22 ⁰⁰			"
BRANCH															
ADMIN													831	56 ⁵⁰	
-													836	35 ⁰⁰	
DUBAWNT													830	93 ⁴¹	
-													827	17 ⁵⁰	
-													205	21 ¹⁷	
DETOUR													827	262 ⁰⁹	
-													836	36 ⁰⁰	
PROV													CH# 0144	538 ³⁷	
-													521,37	ARCDO (12,00)	
-													MAG 2681	ATTNED \$ 521,37	
TOTALS		1 22 ⁴⁵		10 ²⁰ 7 ⁵⁰	113 ³²	53 ³²	36 ⁰⁰	32 ¹⁷	93 ⁴¹	91 ⁵⁰		538 ³⁷ 535 ⁰⁰			

SIGNATURES

[Handwritten Signature]

TOTAL EXPENSES \$

- Next highest level of authority

LESS ADVANCES

- Other (When necessary)

AMOUNT DUE (Company) -Employee



Westmin Resources Limited
Toronto, Ontario

CONTROL NO. 0188

8

TO THE BANK OF MONTREAL
MAIN BRANCH
VANCOUVER, B.C.

WESTMIN
RESOURCES LTD. \$54 and 70cts

DATE April 27,

AMOUNT \$ 54.70
Westmin Resources Limited

PAY
TO THE
ORDER OF

PARAGON INDUSTRIAL PHOTOGRAPHIC
REPRODUCTIONS LIMITED
1160 Ellesmere Road
SCARBOROUGH, Ontario
M1P 2X4

R.H. Macmillan
S. Lewis

⑆00040⑆001⑆

1091⑆113⑆

⑆0000005470⑆

0188

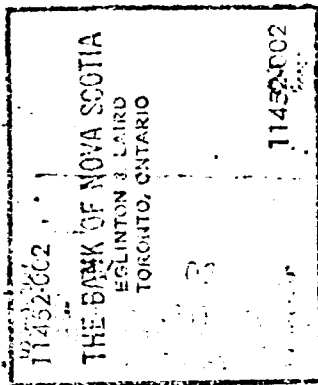
REMITTANCE VOUCHER - DETACH BEFORE DEPOSITING CHEQUE

EXPLANATION	BALANCE
Invoice No. 92573 dated March 25, 1982	<u>\$54.70</u> <i>CB154</i>



Westmin Resources Limited
Toronto, Ontario

DEPOSIT TO THE CREDIT OF
Paragon Industrial
Photographic Reproductions
48-16



WESTMIN RESOURCES LTD. 92573

APR 27 1982
BANK OF MONTREAL
TORONTO REGIONAL
DATA CENTER

130121204

⑆0011692⑆

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Paragon

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PLEASE DO NOT WRITE IN THIS BOX
INVOICE DATE
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INVOICE NO
92573

SOLD TO

WESTMIN RESOURCES
390 BAY ST STE 1414
TORONTO ONT
M5H 2Y2

TRACINGS WILL BE RETURNED WITH PRINT
UNLESS OTHERWISE INSTRUCTED

TIME REQUIRED		CUSTOMER ORDER NO.	FEDERAL LICENCE NO.	PROV. LICENCE NO.	DATE OF ORDER			
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ORIGINALS ENCLOSED	DRAWING NO. OR DESCRIPTION	TYPE OF PRINT REQUIRED			NO OF COPIES OF EACH	TOTAL SQ. FT.	PRICE PER SQ. FT.	AMOUNT
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	DE 100K	864			5470			

SPECIAL INSTRUCTIONS

ln P115 R 5470

TOTAL	46
FEDERAL TAX	4
SUB-TOTAL	51
PROVINCIAL TAX	3
PLEASE PAY THIS AMOUNT	54

REPRO ORDER
101343

ORDERED BY *ln*

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WHITE PRINTS	XEROX COPIES IN COLOUR	NEGATIVES	OVERHEAD PROJECTUALS
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RESOLUTELY

WESTMIN RESOURCES LIMITED
SUITE 1414
390 BAY STREET
TORONTO
M5H 2Y2

4383
DATE
APRIL 2 1982

19 MARCH

PREC. METALS

DETOUR PROJECT

DETOUR 864

PREPARING 1982 FOLLOW-UP MAP
OVERBURDEN DRILLING

DRAFTING 198.00
PST 13.86
\$ 211.86

FILE

[Signature]

[Signature]

21186



Westmin Resources Limited
Toronto, Ontario

CONTROL NO. 0165 (82)

TO THE BANK OF MONTREAL
MAIN BRANCH
VANCOUVER, B.C.

WESTERN MINES LTD. \$1,571 and 71cts

DATE April 15, 1982

AMOUNT \$ 1,571.71
Westmin Resources Limited

R. O'Shannessy
S. Lewis

PAY
TO THE
ORDER OF

DES O'SHANNESSEY MAPPING SERVICES
80 Richmond St. West
Suite 1902
TORONTO, Ontario
M5H 2A4

⑆00040⑆00⑆⑆⑆ ⑆09⑆⑆⑆⑆⑆⑆⑆⑆⑆ ⑆⑆0000⑆57⑆7⑆⑆⑆⑆⑆⑆⑆⑆⑆

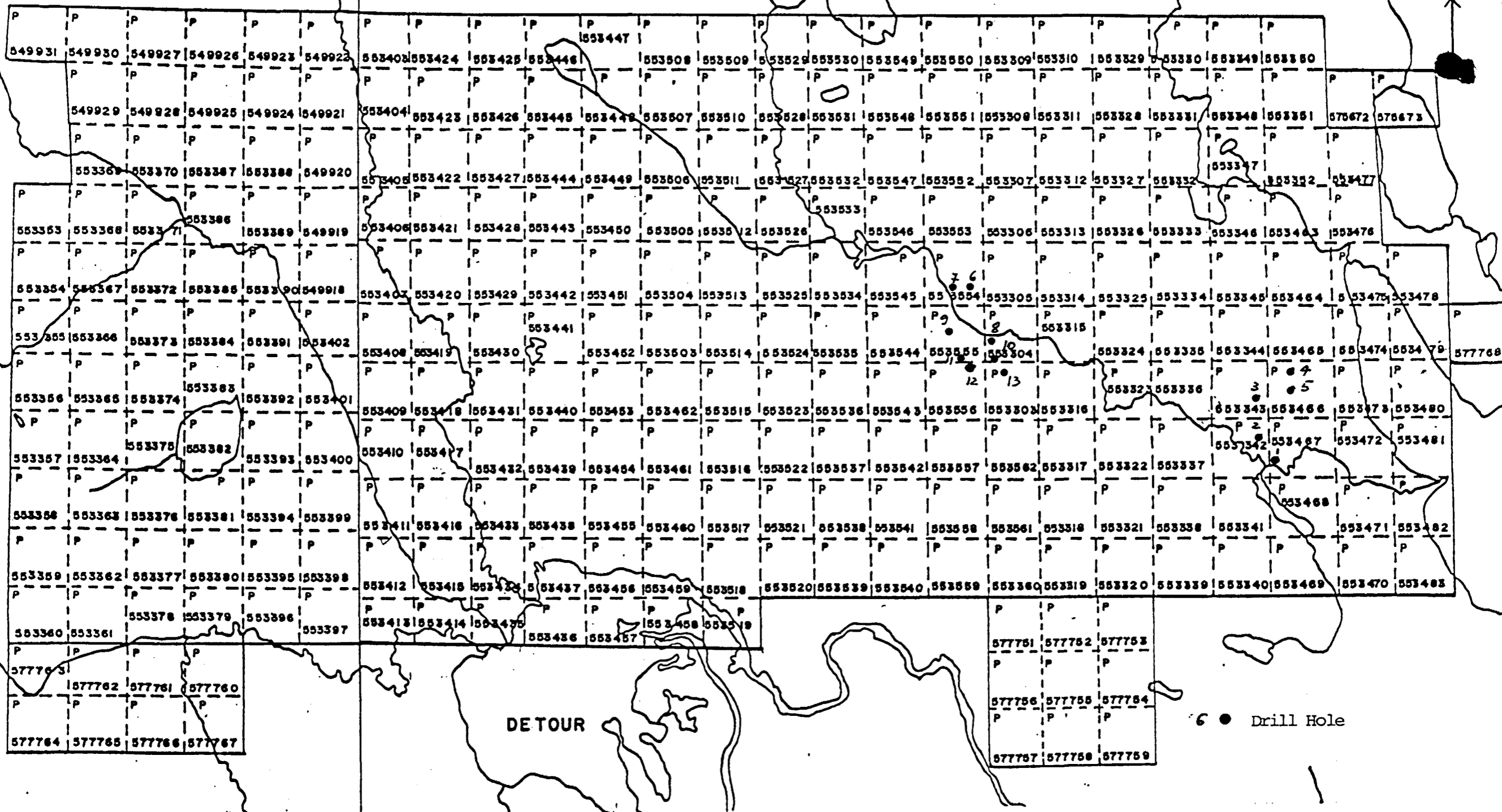
0165

REMITTANCE VOUCHER - DETACH BEFORE DEPOSITING CHEQUE

EXPLANATION	BALANCE
<p>Invoice No. 4379 dated April 2, 1982 " 4383 " April 2, 1982</p>	<p>\$1,359.85 <u>211.86</u> <u>\$1,571.71</u> (B153</p>



Westmin Resources Limited
Toronto, Ontario



DRILL HOLE LOCATION MAP

SCALE: 1:31,680



32E13NE0077 2.4903 HOPPER LAKE

900

1983 06 13

2.4903

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

Dear Sir:

Combe Air Drill Management

RE: Assaying submitted under Section 77(19) of the
Mining Act RSO 1980, on Mining Claims P 553467,
et al, in the Hopper Lake & Lower Detour Lake Area

11/5/83

*49-58-30
49-46
49-58-30
49-30
32E/13N*

The enclosed statement of assessment work credits for assaying expenditures has 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 6540
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416 /965-1380

R. Pichette:mc

Encl.

cc: Westmin Resources Limited
390 Bay Street
Suite 1414
Toronto, Ontario

G. E. Miller

cc: Resident Geologist
Timmins, Ontario

1983 06 13

Recorded Holder WESTMIN RESOURCES LIMITED
Township or Area HOPPER LAKE AND LOWER DETOUR LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Section 86(18) ⁷⁷⁽¹⁹⁾ XXXXX see across _____ days Geological _____ days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input 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.	<p>\$32,999.62 spent on reverse circulation Overburden Drilling on mining claims P553467, P553554, P553342, P553343, P553466, P553304, P553555, P553556, P553303</p> <p>2200 assessment work days are allowed which may be grouped in accordance with Sec(76)6 of the Mining Act RSO 1980</p> <p>For Mining Recorders use: The work assignment for each of the above listed 9 claims is 244.4 days per claim</p>

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

--

No credits have been allowed for the following mining claims

<input type="checkbox"/> not sufficiently covered by the survey	<input type="checkbox"/> 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 86(18)-60:



P-549918

Ministry of Natural Resources

Notification of recording of assessment work credits

RECEIVED

JUL 7 1982

MINING LANDS SECTION

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

Date of recording of work: June 29, 1982

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

Township or Area: HOPPER LAKE AREA & LOWER DETOUR LAKE AREA

Table with 2 columns: Type of survey and number of Assessment days credit per claim, Mining claims. Rows include Geophysical (13.52 days), Electromagnetic, Magnetometer, Radiometric, Induced polarization, Section 22 19 (18) Overburden drilling, Geological, Geochemical, Man days, Airborne, Special provision, Ground.

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.

Signature of Mining Recorder, c.c. Regional Mining Recorder Westmin Resources Limited

Mining Lands Comments

To: Geophysics

Comments

<input type="checkbox"/> Approved	<input type="checkbox"/> Wish to see again with corrections	Date	Signature
-----------------------------------	---	------	-----------

To: Geology - Expenditures

W.R. Kustka

Comments

<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Wish to see again with corrections	Date <i>Jan 10/83</i>	Signature <i>W.R. Kustka</i>
--	---	-----------------------	------------------------------

To: Geochemistry

Comments

(1)

<input type="checkbox"/> Approved	<input type="checkbox"/> Wish to see again with corrections	Date	Signature
-----------------------------------	---	------	-----------

To: Mining Lands Section, Room 6462, Whitney Block. (Tel: 5-1380)

1982 07 06

2. 4903

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

Dear Sir:

We have received reports and maps for an Overburden Drilling programme submitted under Section 77(19) of the Mining Act R.S.O. 1980 submitted on mining claims P 549920 et al in the area of 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: 416/965-1316

J. Skura/sc

c.c. Westmin Resources Limited
Toronto, Ontario
Attn: S. Kuprejanov

c.c. G.E. Nutter
265 Balliol Street
Apartment 204
Toronto, Ontario
M4S 1C9



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

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

REGISTERED MAIL

June 25, 1982.

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

Re: Assessment Report Claim P.549920, et al

Dear Mr. Matthews:

Please find in duplicate Report on 1982 Overburden Drilling Detour Gold Project, by G. E. Nutter. The form "Report of Work" has been forwarded to the Mining Recorder Office in Timmins.

Also is enclosed brief resume of Mr. G. E. Nutter's education for your file.

I hope you will find everything in order.

Yours truly,

WESTMIN RESOURCES LIMITED

(Mrs.) S. Kuprejanov,
 Administrative Geologist.


SK/hmc
 Encls.

CERTIFICATION

I, G. E. Nutter of Apt. 204, 265 Balliol Street,
Toronto, Ontario, M4S 1C9 certify:

- 1) I hold a B.Sc.(1976) degree with a major in
Geology from Dalhousie University, Halifax,
Nova Scotia.
- 2) I have practiced my profession for six (6)
years.
- 3) I am a Fellow of the Geological Association
of Canada.
- 4) I am a member of; the Canadian Institute of
Mining and Metallurgy and The Prospectors
and Developers Association.

Toronto, Ontario.
April 23, 1982


G. E. Nutter



COPY

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

name of Recorded Holder Prospector's Licence
390 Bay Street, Suite 1414, Toronto, Ontario M5H 2Y2
Post Office Address

do hereby report the performance of 2,190.24 days of Overburden Drilling 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. Contains claim numbers and durations.

All the work was performed on Mining Claim (s) P.553467, P.553554, P.553342, P.553343, P.553466... (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 Report : G. E. Nutter
Footage: 822 ft
Operator: Bradley Bros. Limited; 98, 14th Street, Noranda, Quebec J9X 5A9
Total Cost: \$32,999.62
Work was carried out between February 9 - February 14, 1982

Date 24 June 1982
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)

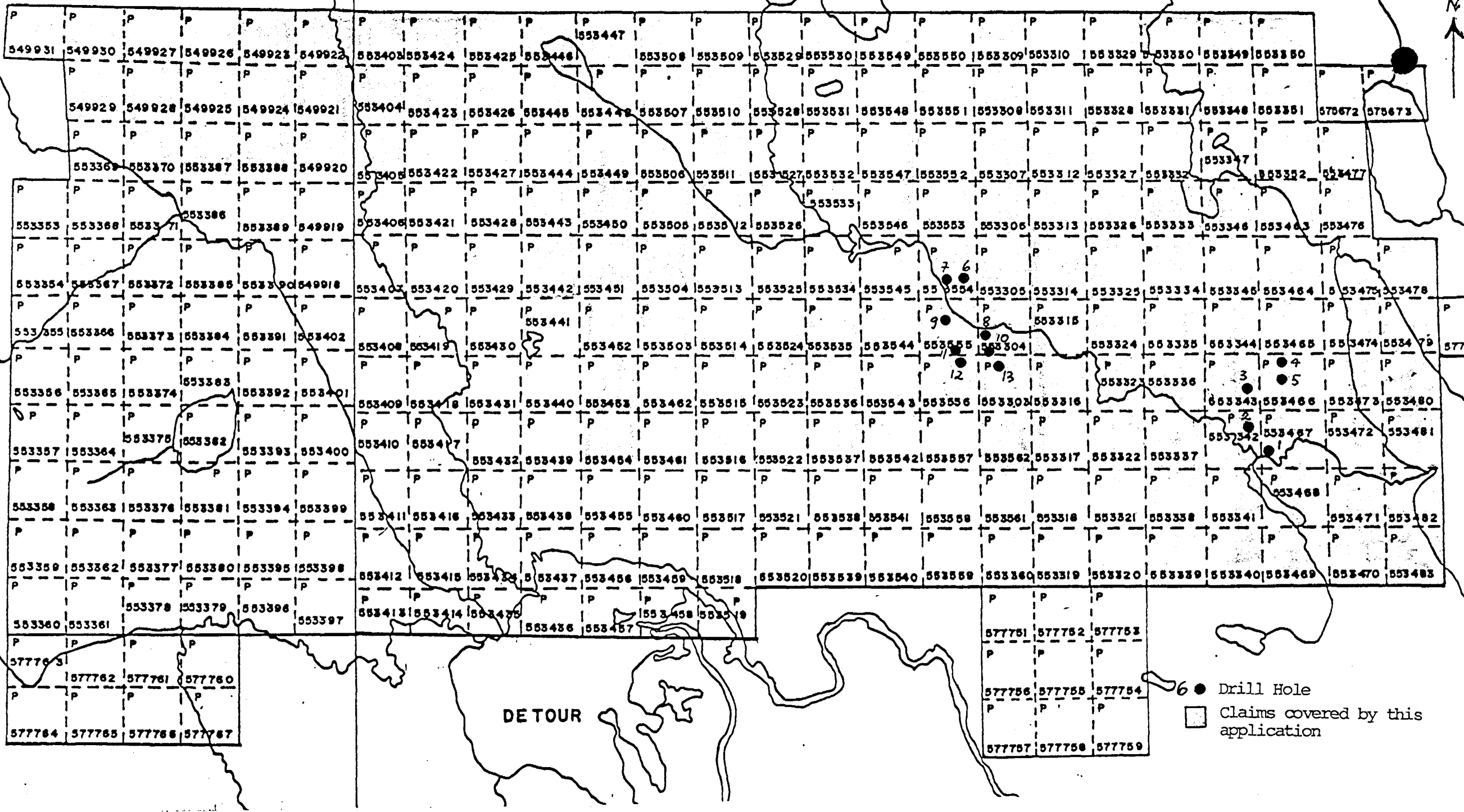
hereby certify:

- 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 June 24 1982 C. Rockingham Signature

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

DETOUR - LOWER DETOUR LAKE



Scale: 1:31,680

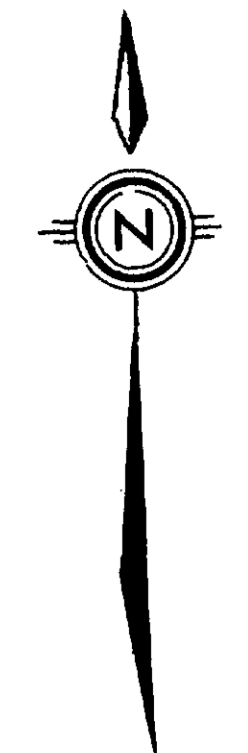
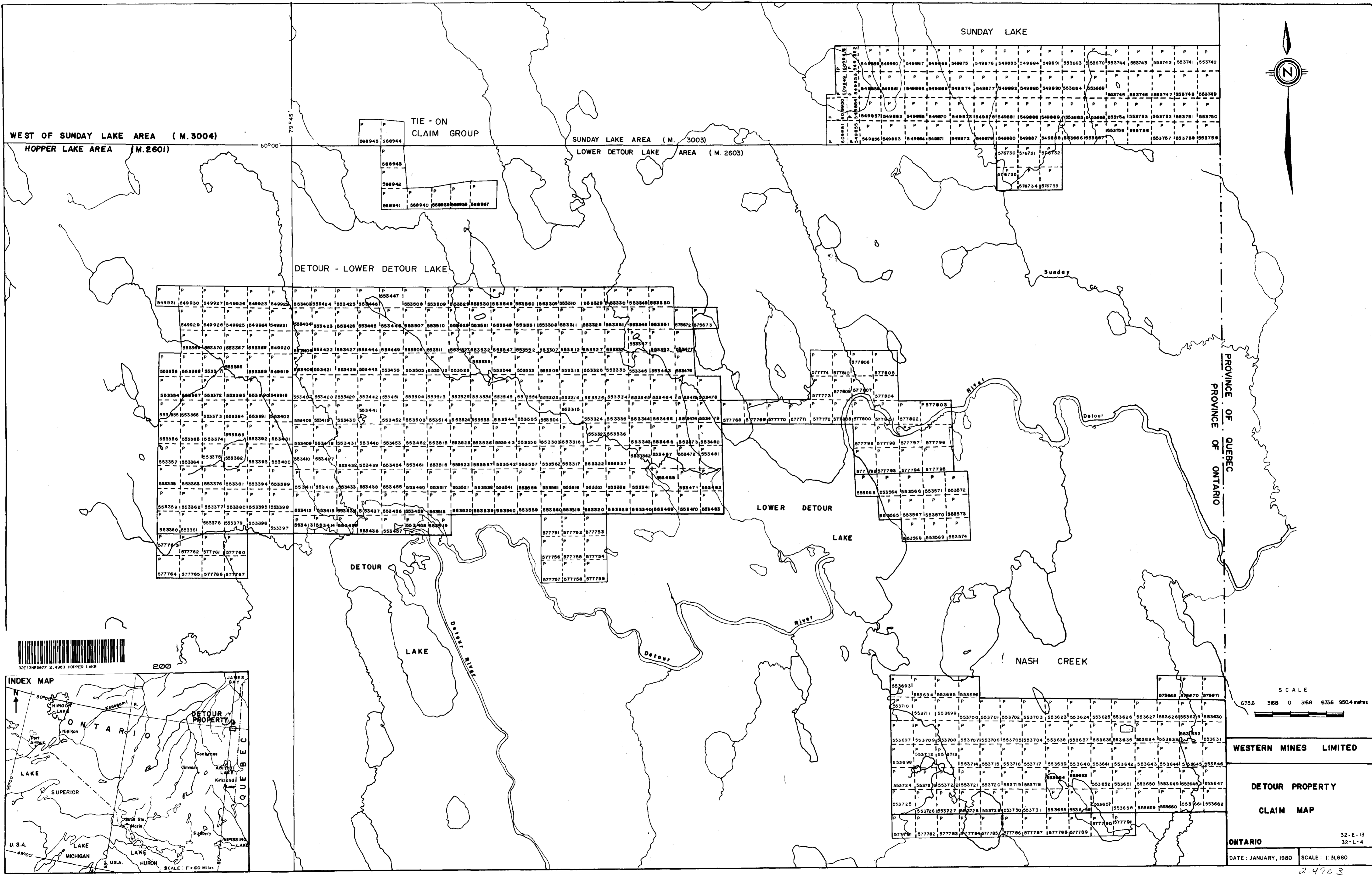
OVERBURDEN DRILLING

DETOUR LAKE CLAIM GROUP

	<u>Claim</u>	<u>Days</u>		<u>Claim</u>	<u>Days</u>
1.	P.549920	13.52	33.	P.553449	13.52
2.	P.529921	13.52	34.	P.553450	13.52
3.	P.529922	13.52	35.	P.553451	13.52
4.	P.549923	13.52	36.	P.553452	13.52
5.	P.549924	13.52	37.	P.553453	13.52
6.	P.549925	13.52	38.	<u>P.553454</u>	13.52
7.	P.549926	13.52	39.	P.553461	13.52
8.	P.549927	13.52	40.	<u>P.553462</u>	13.52
9.	P.549928	13.52	41.	P.553503	13.52
10.	P.549929	13.52	42.	P.553504	13.52
11.	P.549930	13.52	43.	P.553505	13.52
12.	<u>P.549931</u>	13.52	44.	P.553506	13.52
13.	P.553369	13.52	45.	P.553507	13.52
14.	<u>P.553370</u>	13.52	46.	P.553508	13.52
15.	P.553387	13.52	47.	P.553509	13.52
16.	<u>P.553388</u>	13.52	48.	P.553510	13.52
17.	P.553403	13.52	49.	P.553511	13.52
18.	P.553404	13.52	50.	P.553512	13.52
19.	<u>P.553405</u>	13.52	51.	P.553513	13.52
20.	P.553422	13.52	52.	P.553514	13.52
21.	P.553423	13.52	53.	P.553515	13.52
22.	P.553424	13.52	54.	<u>P.553516</u>	13.52
23.	P.553425	13.52	55.	P.553522	13.52
24.	P.553426	13.52	56.	P.553523	13.52
25.	<u>P.553427</u>	13.52	57.	P.553524	13.52
26.	P.553442	13.52	58.	P.553525	13.52
27.	P.553443	13.52	59.	P.553526	13.52
28.	P.553444	13.52	60.	P.553527	13.52
29.	P.553445	13.52	61.	P.553528	13.52
30.	P.553446	13.52	62.	P.553529	13.52
31.	P.553447	13.52	63.	P.553530	13.52
32.	P.553448	13.52	64.	P.553531	13.52

	<u>Claim</u>	<u>Days</u>		<u>Claim</u>	<u>Days</u>
65.	P.553532	13.52	99.	P.553312	13.52
66.	P.553533	13.52	100.	P.553313	13.52
67.	P.553534	13.52	101.	P.553314	13.52
68.	P.553535	13.52	102.	P.553315	13.52
69.	P.553536	13.52	103.	P.553316	13.52
70.	P.553537	13.52	104.	P.553317	13.52
71.	P.553542	13.52	105.	P.553318	13.52
72.	P.553543	13.52	106.	P.553319	13.52
73.	P.553544	13.52	107.	P.553320	13.52
74.	P.553545	13.52	108.	P.553321	13.52
75.	P.553546	13.52	109.	P.553322	13.52
76.	P.553547	13.52	110.	P.553323	13.52
77.	P.553548	13.52	111.	P.553324	13.52
78.	P.553549	13.52	112.	P.553325	13.52
79.	P.553550	13.52	113.	P.553326	13.52
80.	P.553551	13.52	114.	P.553327	13.52
81.	P.553552	13.52	115.	P.553328	13.52
82.	P.553553	13.52	116.	P.553329	13.52
83.	P.553554	13.52	117.	P.553330	13.52
84.	P.553555	13.52	118.	P.553331	13.52
85.	P.553556	13.52	119.	P.553332	13.52
86.	P.553557	13.52	120.	P.553333	13.52
87.	P.553560	13.52	121.	P.553334	13.52
88.	P.553561	13.52	122.	P.553335	13.52
89.	P.553562	13.52	123.	P.553336	13.52
90.	P.553303	13.52	124.	P.553337	13.52
91.	P.553304	13.52	125.	P.553338	13.52
92.	P.553305	13.52	126.	P.553339	13.52
93.	P.553306	13.52	127.	P.553340	13.52
94.	P.553307	13.52	128.	P.553341	13.52
95.	P.553308	13.52	129.	P.553342	13.52
96.	P.553309	13.52	130.	P.553343	13.52
97.	P.553310	13.52	131.	P.553344	13.52
98.	P.553311	13.52	132.	P.553345	13.52

	<u>Claim</u>	<u>Days</u>		<u>Claim</u>	<u>Days</u>
133.	P.553346	13.52	148.	P.553471	13.52
134.	P.553347	13.52	149.	P.553472	13.52
135.	P.553348	13.52	150.	P.553473	13.52
136.	P.553349	13.52	151.	P.553474	13.52
137.	P.553350	13.52	152.	P.553475	13.52
138.	P.553351	13.52	153.	P.553476	13.52
139.	P.553352	13.52	154.	P.553477	13.52
140.	P.553463	13.52	155.	P.553478	13.52
141.	P.553464	13.52	156.	P.553479	13.52
142.	P.553465	13.52	157.	P.553480	13.52
143.	P.553466	13.52	158.	P.553481	13.52
144.	P.553467	13.52	159.	P.553482	13.52
145.	P.553468	13.52	160.	P.553483	13.52
146.	P.553469	13.52	161.	P.575672	13.52
147.	P.553470	13.52	162.	P.576673	13.52



WEST OF SUNDAY LAKE AREA (M. 3004)
 HOPPER LAKE AREA (M. 2601)

SUNDAY LAKE AREA (M. 3003)
 LOWER DETOUR LAKE AREA (M. 2603)

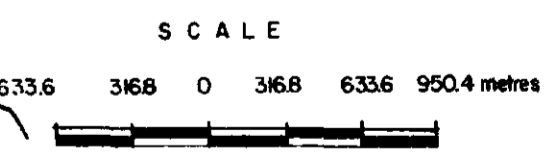
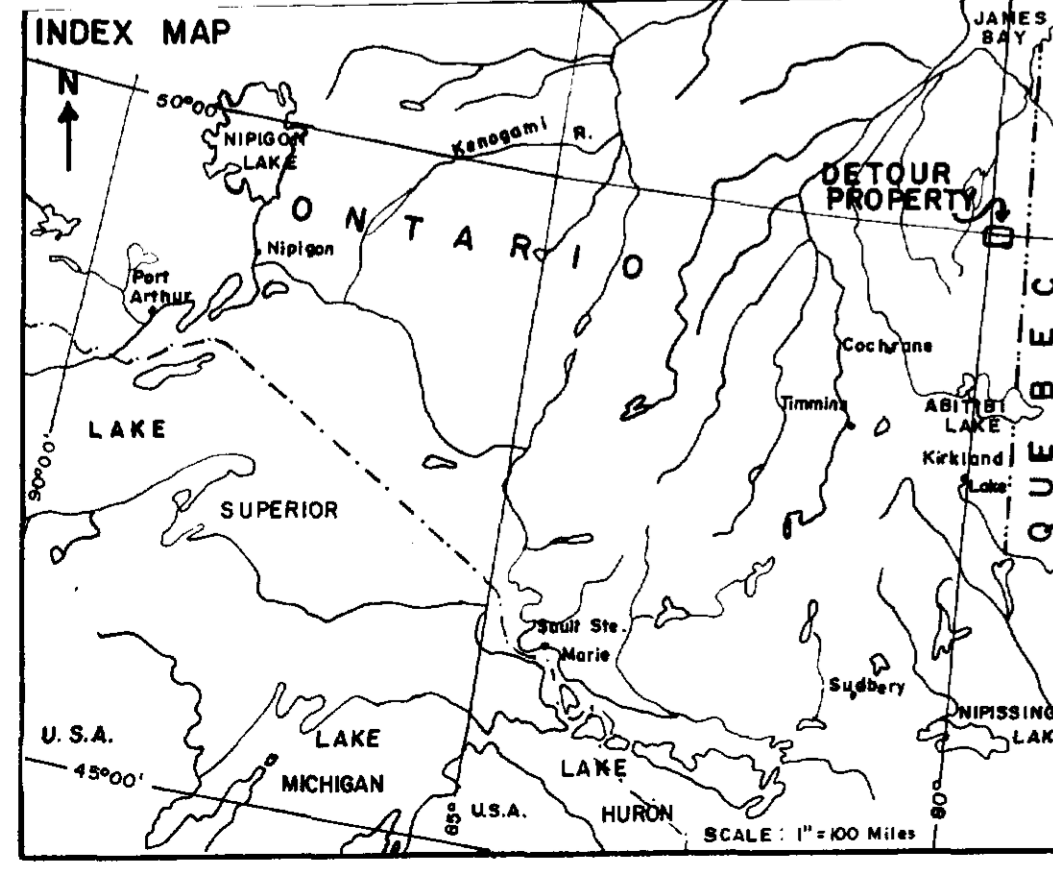
DETOUR - LOWER DETOUR LAKE

LOWER DETOUR LAKE

DETOUR LAKE

NASH CREEK

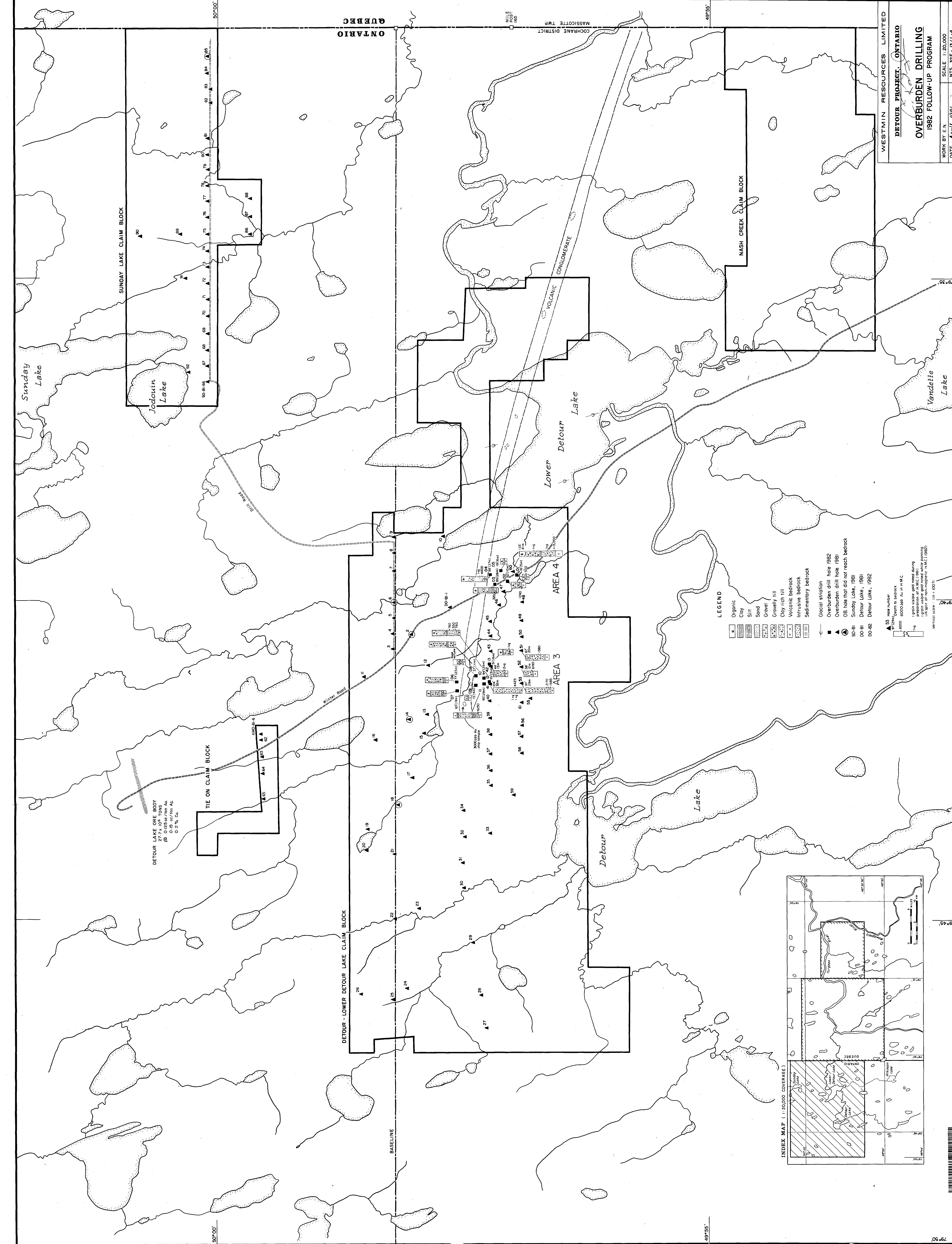
PROVINCE OF QUEBEC
 PROVINCE OF ONTARIO



WESTERN MINES LIMITED
 DETOUR PROPERTY
 CLAIM MAP

ONTARIO
 DATE: JANUARY, 1980
 SCALE: 1:31,680

2.4963

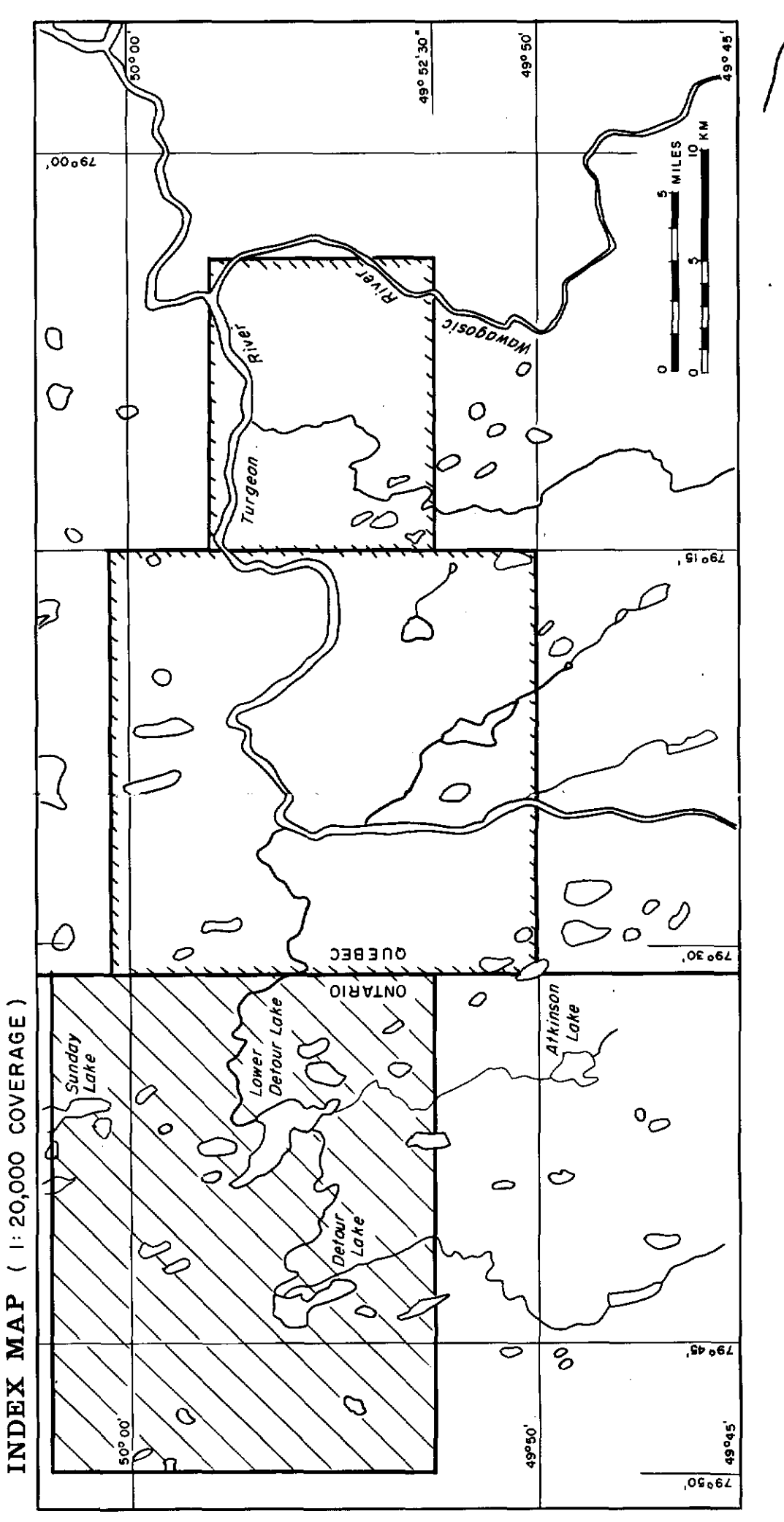


DETOUR LAKE ORE BODY
 27 400 TONS
 0.15% Au
 0.15 oz/ton Au
 0.2% Cu

LEGEND

- Organic
- Clay
- Silt
- Sand
- Gravel
- Gravelly fill
- Clay rich fill
- Volcanic bedrock
- Intrusive bedrock
- Sedimentary bedrock
- Glacial striation
- Overburden drill hole 1982
- Overburden drill hole 1981
- OB hole that did not reach bedrock
- SO-81 Sunday Lake, 1981
- DO-81 Detour Lake, 1981
- DO-82 Detour Lake, 1982

▲ 53 Hole number
 ▲ 70-79 Open to bedrock
 ▲ 80-89 6000' AS IN M.C.
 ▲ 90-99 1 grain visible gold noted during
 rotation of hole during white panning
 (▲ 91 of non-magnetic M.C. (1982))
 Vertical scale = 1 in = 100 ft



WESTMIN RESOURCES LIMITED
 DETOUR PROJECT, ONTARIO
 OVERBURDEN DRILLING
 1982 FOLLOW-UP PROGRAM
 WORK BY E.N.
 DATE April, 1982
 SCALE 1:20,000
 N.T.S. 32-13/1-4