2.13395

Westmin Mines Limited

Report on Overburden Drilling

Completed on the

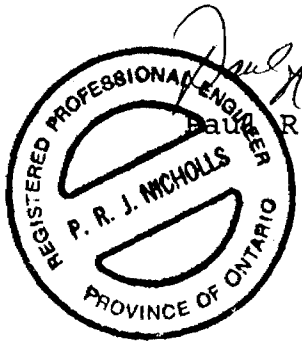
South Detour Claims, March 1990

N.T.S. 32 E/13

Latitude 49° 47'N

Longitude 79° 40'W

June 1990



Paul R. J. Nicholls, P.Eng.

Introduction:

During March 1990, Westmin Mines Limited completed a programme of overburden drilling on the South Detour Claim Group (Figure 1).

Claim Status:

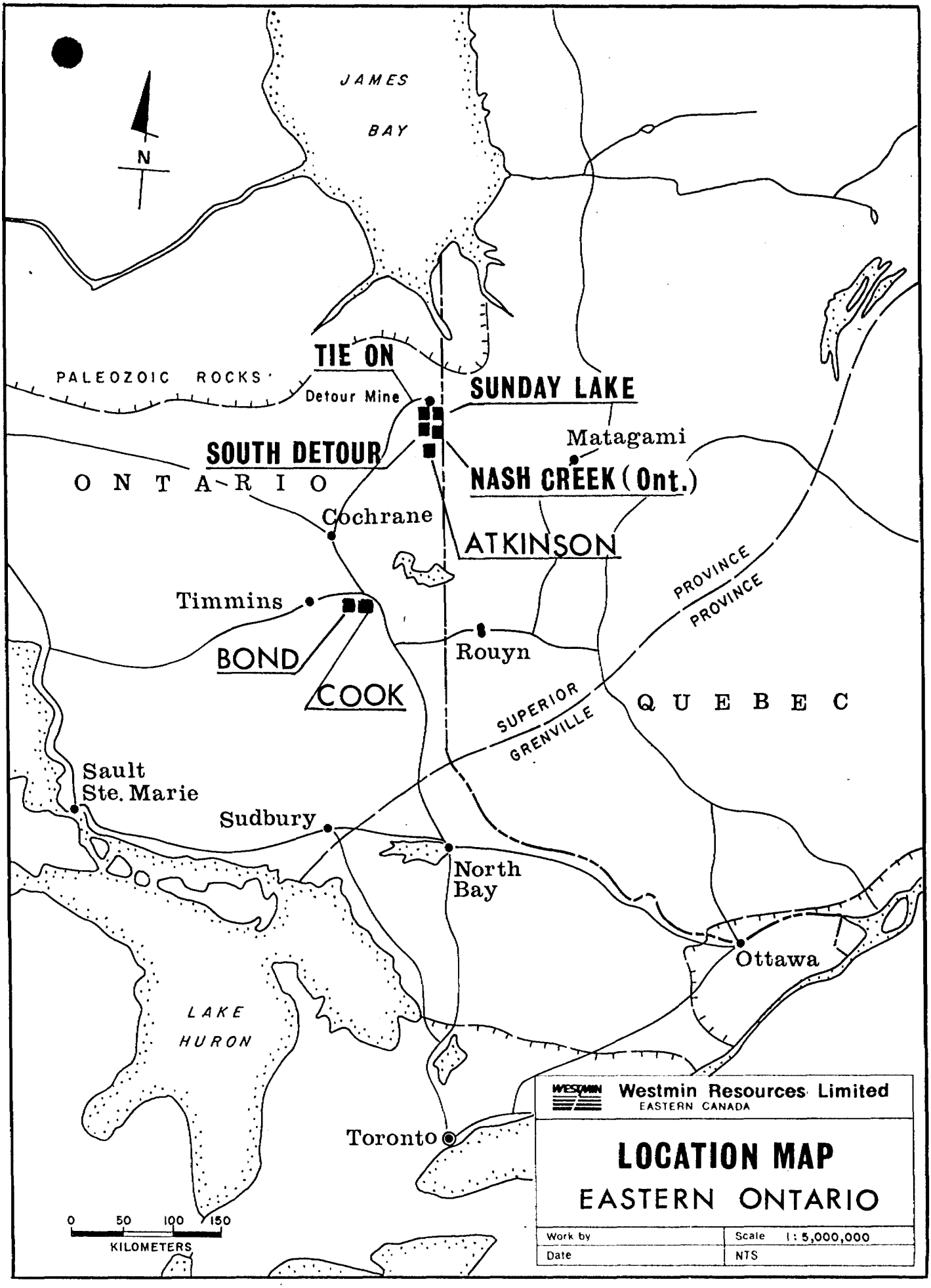
The property consists of 462 claims located in the Hopper Lake and Lower Detour Lake areas (Figure 1, Table 1) that are presently in good standing.

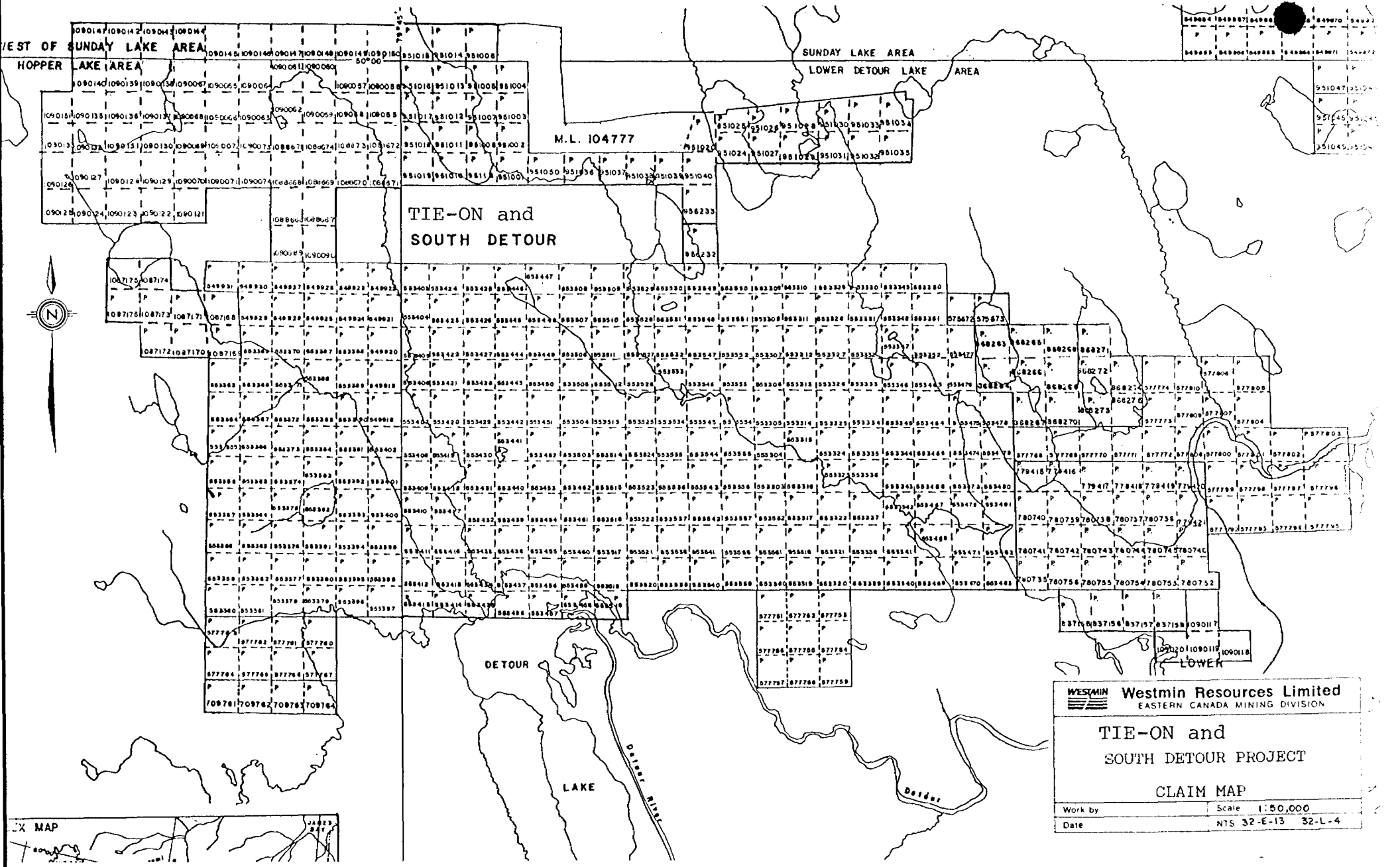
Work Programme:

A programme of overburden and bedrock drilling was carried out under contract to Bradley Bros. for Westmin Mines Limited.

During the period March 3 to March 15, 1990, 17 overburden drill holes totalling 689.0 metres were completed. All overburden was sampled except the clay sections. The overburden thickness varied from 2.5 metres to 60.6 metres. Locations and summary of the overburden drilling is given in Table 2.

Logs of the overburden drill holes are given in Appendix 3 with the results of Au, Cu, and Zn analyses as well as the gold grain count for each sample.


JAMES
BAY
N
TIE ON
PALEOZOIC ROCKS
Detour Mine
SUNDAY LAKE
Matagami
SOUTH DETOUR
ONTARIO
NASH CREEK (Ont.)
Cochrane
ATKINSON
PROVINCE
PROVINCE
Timmins
Rouyn
BOND
COOK
SUPERIOR
GRENVILLE
QUEBEC
Sault
Ste. Marie
Sudbury
North
Bay
Ottawa
LAKE
HURON
Toronto
0 50 100 150
KILOMETERS
Westmin Resources Limited
EASTERN CANADA
LOCATION MAP
EASTERN ONTARIO
Work by
Scale 1:5,000,000
Date
NTS


WEST OF SUNDAY LAKE AREA
HOPPER LAKE AREA
SUNDAY LAKE AREA
LOWER DETOUR LAKE AREA
M.L. 104777
TIE-ON and
SOUTH DETOUR
DETOUR
LAKE
Detour River
LOWER
INDEX MAP
Westmin Resources Limited
EASTERN CANADA MINING DIVISION
TIE-ON and
SOUTH DETOUR PROJECT
CLAIM MAP
Work by
Scale 1:50,000
Date
NTS 32-E-13 32-L-4

SOUTH DETOUR PROJECT- PROPERTY STATUS

Location: Hopper Lake Area (G-1636), Lower Detour Lake Area (G-1647),
Porcupine Mining Division, Ontario
N.T.S.32-E-13

Equity: Westmin Mines Limited 100%

Claim Name & Number	Recording Date	Lease Due	Assessment Work Due	Extension To
P.549918-549931 (14)	04 Jan. 1980	04 Jan. 1986	Completed	4 January 1991
P.553303-553483 (181)	04 Jan. 1980	04 Jan. 1986	Completed	4 January 1991
P.553503-553562 (60)	04 Jan. 1980	04 Jan. 1986	Completed	4 January 1991
P.575672-575673 (2)	10 Oct. 1980	10 Oct. 1986	Completed	10 October 1990
P.577751-577774 (24)	10 July 1980	10 July 1986	Completed	10 July 1990
P.577792-577810 (19)	10 July 1980	10 July 1986	Completed	10 July 1990
P.709761-709764 (4)	25 Mar. 1983	25 Mar. 1989	Completed	25 March 1991
P.779415-779421 (7)	25 Nov. 1983	25 Nov. 1989	Completed	24 November 1990
P.780735-780746 (12)	25 Nov. 1983	25 Nov. 1989	Completed	24 November 1990
P.780752-780756 (5)	25 Nov. 1983	25 Nov. 1989	Completed	24 November 1990
P.837155-837158 (4)	28 Mar. 1985	28 Mar. 1991	Completed	----------
P.868263-868275 (13)	07 Oct. 1985	07 Oct. 1991	Completed	----------
P.1087168-1087176 (9)	14 Sept.1988	14 Sept.1994	14 Sept.1993	----------
P.1090117-1090120 (4)	01 Mar. 1989	01 Mar. 1995	01 Mar. 1992	----------
P.1114018-1114019 (2)	25 Apr. 1989	25 Apr. 1995	25 Apr. 1990	25 October 1990

360 claims = 5,760 ha

Date: 25 June 1990

TIE -ON PROJECT - PROPERTY STATUS

Location: Lower Detour Lake Area (G.1647), Sunday Lake Area (G.1677)
West of Sunday Lake Area (G.1680), Hopper Lake Area (G-1636)
Porcupine Mining Division, Ontario
N.T.S. 32-E-13, 32-L-4

Equity: Westmin Mines Limited 100%

Mining Lease	Area	Date Issued	Expiry Date	Rights	Taxes	Claims
104777	339.93 ac. 137.57 ha	1 Jan.1987	1 Jan.2008	Mining and Surface	$84.98	P.568937 to P.568945

Claims	Recording Date	Assessment Work Due	Lease Due	Extension to:
P.951001-020 (20)	11 Dec.1986	Completed	11 Dec.1992	----------
P.951024-040 (17)	11 Dec.1986	Completed	11 Dec.1992	----------
P.951050 (1)	11 Dec.1986	Completed	11 Dec.1992	----------
P.956232-233 (2)	23 Feb.1987	Completed	23 Feb.1993	----------
P.1088666-675 (10)	2 Feb.1989	Completed	2 Feb.1995	----------
P.1090055-074 (20)	2 Feb.1989	Completed	2 Feb.1995	----------
P.1090089-090 (2)	2 Feb.1989	Completed	2 Feb.1995	----------
P.1090121-133 (13)	1 Mar.1989	1 Mar.1990	1 Mar.1995	4 Sept.1990
P.1090135-151 (17)	1 Mar.1989	1 Mar.1990	1 Mar.1995	4 Sept.1990

102 claims (1,632 ha)

Taxes $84.98

1987 = paid
1988 = paid
1989 = paid
1990 = paid

Date: 25 June 1990

Table 2

1990 South Detour

Summary of Overburden Drilling

Hole	Overburden (m)	Bedrock Drilled (m)	EOH (Total Depth)	Claim
DO-90-01	7.2	1.8	9.0	P.553328
02	39.0	1.5	40.5	P.553287
03a	60.6	0.9	61.5	P.553332
03b	59.8	2.0	61.8	P.553332
04	24.0	1.5	25.5	P.553331
05	32.0	1.5	33.5	P.553331
06	37.5	1.5	39.0	P.553348
07	18.0	1.5	19.5	P.553347
08	20.0	1.5	21.5	P.553347
09	54.0	1.5	55.5	P.553352
10	57.4	1.1	58.4	P.553351
11	40.5	1.5	42.0	P.553335
12	44.5	1.5	46.0	P.553335
13	42.0	3.0	45.0	P.553343
14	38.8	1.2	40.0	P.553343
15	44.7	1.6	46.3	P.553343
16	35.4	1.2	36.6	P.553344
17	36.4	1.1	37.5	P.553344

Appendix 1

Description of Overburden and Bedrock Drilling and Sampling

The equipment was a Longyear drill converted to dual tube reverse circulation. It is mounted on a Nodwell FN-160 carrier. Power for the drill is taken from the drill engine with aid of hydraulics. The drill string comprised 3 metre foot sectional dual-tube rods of 2 15/15" size and a standard tricone 15/16 bit. Rapid and reliable penetration and recovery of glacial overburden is achieved with a combination of air and water and a 20 foot continuous feed.

Water is pumped down between the outer and inner tubes to exist near the bit cone. The resultant mixture of water and sediment is returned up the centre tube of the drill string and discharges through a 1 foot diameter steel funnel (cyclone) into a ± 300 gallon water recovery tank, thus allowing for recycling of drill water.

Silt, sand gravel are collected below the discharge cyclone in 5 gallon plastic pails which rest upon a steel grate lying on the top of the recovery tank. The clay size fraction is allowed to overflow the pail into the tank. Figure 1, which is reproduced from G.S.C. Open File #116, 1972, is a schematic version of this sampling system.

A 10 mesh Tyler screen is placed over the bucket to allow the geologist to continuously log the nature of the coarser drift particles, i.e. sand, gravel and till chunks, and a portion of the +10 mesh fraction may be temporarily retained for field geological examination. In normal practice, however, the +10 mesh fraction is dumped into the bucket at the end of each run so that all sediment, exclusive of clay fines, are available for laboratory investigation. Samples are bagged from each run at periodic intervals and transported to a central laboratory.

Drilling continues below the glacial drift section into bedrock for depths of up to 3m. The +10 mesh bedrock chips, which are up to 1cm in diameter, are collected on the Tyler screen during drilling and kept separately from -10 mesh bedrock fines which pass into the sample bucket.

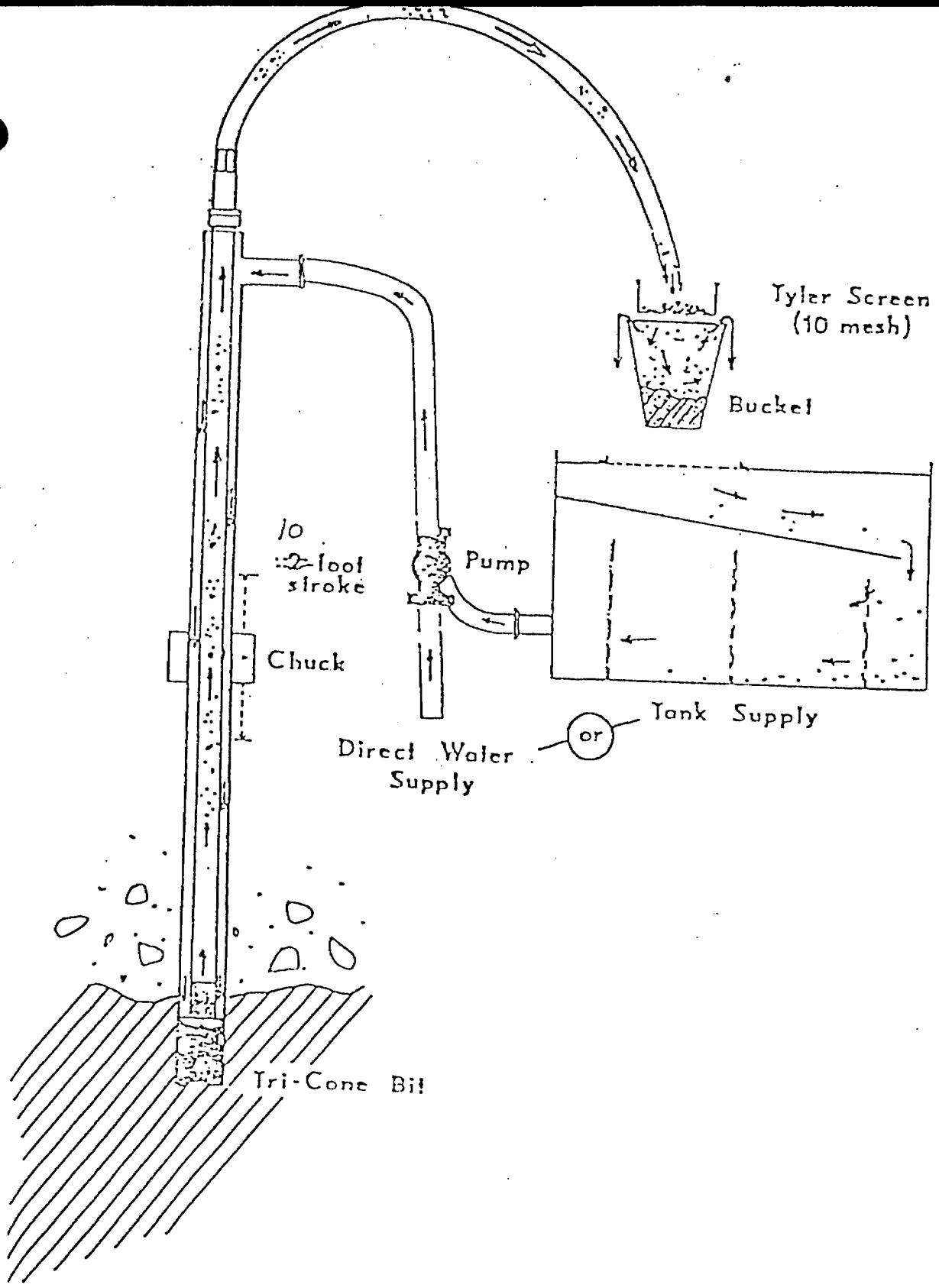


FIGURE 1 Schematic Section of Dual Tube Drilling System

The samples, as received from the drill, are sent to the Overburden Management Ltd., in Ottawa, for heavy metal separation. The samples are passed through a 10 mesh screen and the -10 mesh part (most of the sample) is passed over a shaking table and the heavys and lights are separated. The heavy fraction is dried, mixed with a solution of methylene iodide of 3.35G and the heavy part of the heavys are collected. A 3/4 split of the heavy segment is then sent to Chemex Labs for analysis of copper, zinc, cobalt, iron, molybdenum, lead, manganese, nickel, silver, and gold.

Bedrock chips from each hole are also collected, examined and analysed.

May 1990

Appendix 2

Detour Project Sampling Procedures

1) Samples were collected every 1.5m and/or if not enough material was available for an adequate sample size the sample length was extended until such time as enough material was available in the sample buckets.

2) Sample sizes ranged from 3/4 to 7/8 of a 10"x14" plastic sample bag (6 to 9kg). In most cases only enough material was available for a sample to be sent to the lab. In those cases where extra material was available the excess material (generally in the range of 1-3kg) was placed in a separate sample bag. All samples were labelled on the rig.

   Samples to be sent to the lab were allowed to stand open for 5 to 10 minutes. This was necessary as water was added to each sample bucket to flush all fines out of the pails into the sample bags. The excess water was poured off and the sample bags were sealed. At this point samples to be sent to OVB Management were placed in a sample can and sealed. Then can was delivered to the mine site by Bradley Brothers (skidoo). The samples which were to be concentrated on the property were delivered to the camp by us.

3) Knelsen Concentrator Procedures:

   The initial sample tested in the concentrator was run four separate times. This was done in order to optimize the heavy mineral return. Initial water pressures tested were, 2, 4, 6 and 7 lbs. The sample was salted with 5 metallic balls supplied by J. Tilsley. (These balls approximated the specific gravity of an Au grain). The best returns were made utilizing 7 lbs. of water pressure. During the concentrator process heavies were collected in a rotating gyro within the concentrator itself. Fine material is allowed to drain off into a catchment bucket. In those cases where an inadequate sample concentrate was obtained the fine material waste was run for a second and sometimes a third time to make sure that no heavies were missed.

4) The Knelson concentrate was flushed from the gyro bowl into a metallic pan. At this time the sample was hand panned by Dan and visually inspected with a hand lens (for interesting heavy minerals). All samples were then allowed to dry and later inspected with my binocular microscope for any visible Au grains. Entires were made into the logs as to what minerals were known to be present and an approximate quantitative estimate was made. After the grain inspections were made the samples were flushed with water into the sample vials which we presently now have.

5) Two samples were processed with Jim Tilsley's home made water column by Dan and Steve. The process was not successful in that a continuous supply of fresh water was not available. Water and sample materials added to the column quickly discoloured the water to the point of not being able to visually inspect the grains in the glass separation column.

Certification

I, Paul R. J. Nicholls of 40 Albert Street South, Stouffville, Ontario, L4A 4H1, certify the following:

1) I have practised my profession for fourteen years.

2) I hold an Honours B.Sc., in Geological Engineering obtained from Queen's University, Kingston, Ontario, in 1976.

3) I am a Registered Professional Engineer in the Province of Ontario.

4) I have conducted work on the property and reviewed all the data presented in the report.

5) I have no financial interests in the property covered by this report.

May 1990

Paul R. J. Nicholls

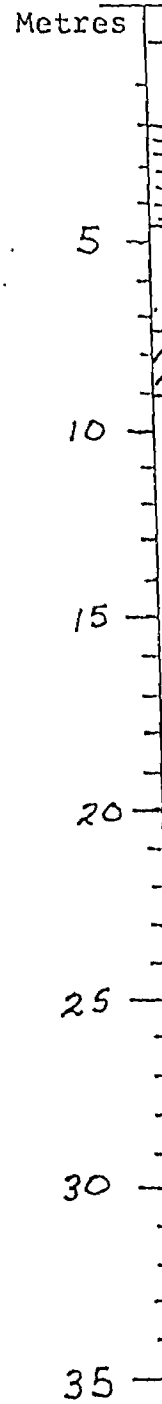
Paul R. J. Nicholls, P.Eng.

Geologist: Don Holmes Date: March 3, 1990 Hole# Do-90-01

Sampler: S. Anderson Claim Group: South Detour Prov.: Ontario

Contractor/ Driller: Bradley Field Location: 7900E - 2550N

Bit No.: NTS: 32 E-13



Log	Sample#	Overburden Description	Notes & Analyses Au (ppb)	Cu (ppm)	Zn (ppm)	Au grains #	Au grains Descriptio
		0-2.0 no return					
		2.0-4.6 - Ojibway II sediments poor recovery - gritty to non gritty clay, silt 4.0-4.6					
	D90-01-001	4.6-7.2 - Matheson Till matrix supported till - sand silt matrix - occaissional clay lumps. cobble and pebbles - 60% granitoid 40% volcanics	<5	85	62	0	
	D90-01-002		<5				
		2-9.0 - Bedrock (Mafic volc.) dark green; weakly foliated 35-40% chlorite, 1% $CaCO_3$ minor quartz veins,					
		9.0 End of Hole					

Paul R.J. Nichols

Hole#	Page
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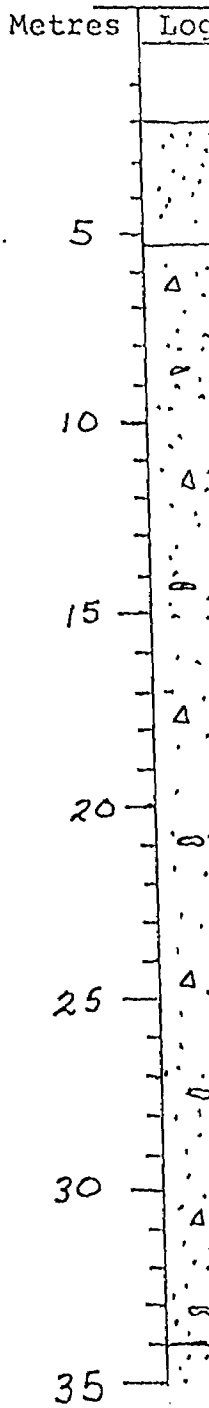
Geologist: A. O'Connor Date: March 4, 1990 Hole# D0-90-02.

Sampler: S. Anderson Claim Group: South Detour Prov.: Ontario

Contractor/ Driller: Bradley Field Location: 8100E, 2400N

Bit No.: K000896 NTS: 32 E-13



Overburden Description	Au (ppb)	Cu (ppm)	Zn (ppm)	Au grains #	Description
0 - 2.0 no return.					
2.0 - 5.2 - Osibway II Sediments poor recovery - sand and pebble Horizons					
5.2 - 39.0 - Matheson Till					
5.2 - 8.0 - matrix supported	<10	122	108	0	
@ 6.0 limestone cobble, till has gray sand silt matrix	<10	110	48	0	
@ 15.5 - non gritty clay balls, clast composition 70% granitoid, 25% volcanic sedimentary, 5% limestone	<10	83	66	0	
	<10	111	66	1	modifiec
20.5 - 21.0 - sandy section	<10	89	106	0	
	30	—	—	0	
	90	35	20	1	reshap
	680	65	16	4	2 modifi 2 reshap
26.0 - 26.5 clay balls, non-gritty clay rich layers	70	114	16	2	1 pristi 1 modifi
	<10	59	20	0	
	20	—	—	0	
34.0 - 37.0 - Missinaibi Sediments - fine beige oxidized sand - occasional pebble intervals					

Hole#	Page
D-90-2	1

WESTMIN MINES LTD.

Geologist: A. O'Connor Date: March 4, 1990 Hole# DO-90-02

Sampler: S. Anderson Claim Group: South Detour Prov.: Ontario

Metres	Log	Sample#	Overburden Description	Notes & Analyses: Au (ppb)	Cu (ppm)	Zn (ppm)	Au grains #	Au grains Description
		012		10	35	12	0	
		013	37.0-39.0 - Lower Till-clast supported - gray sand silt matrix, cobbles 50% granitoid 50% volcanic-sedimentary	375	238	120	1	modified
40		014		<5				
			39.0-40.5 Bedrock, grey green, fine grained, trace carbonate veining at 40.5 eoh.					
45								
50								

Paul R.J. Nicholls

Hole#	Page
DO-90-02	2

Geologist: Don Holmes Date: March 4 to 6, 1990 Hole# DO-90-03

Sampler: S. Anderson Claim Group: South Detour Prov.: Ontario

Contractor/ Driller: Bradley Field Location: 8100E, 2200N

Bit No.: K000896/B000163 NTS: 32 E-13

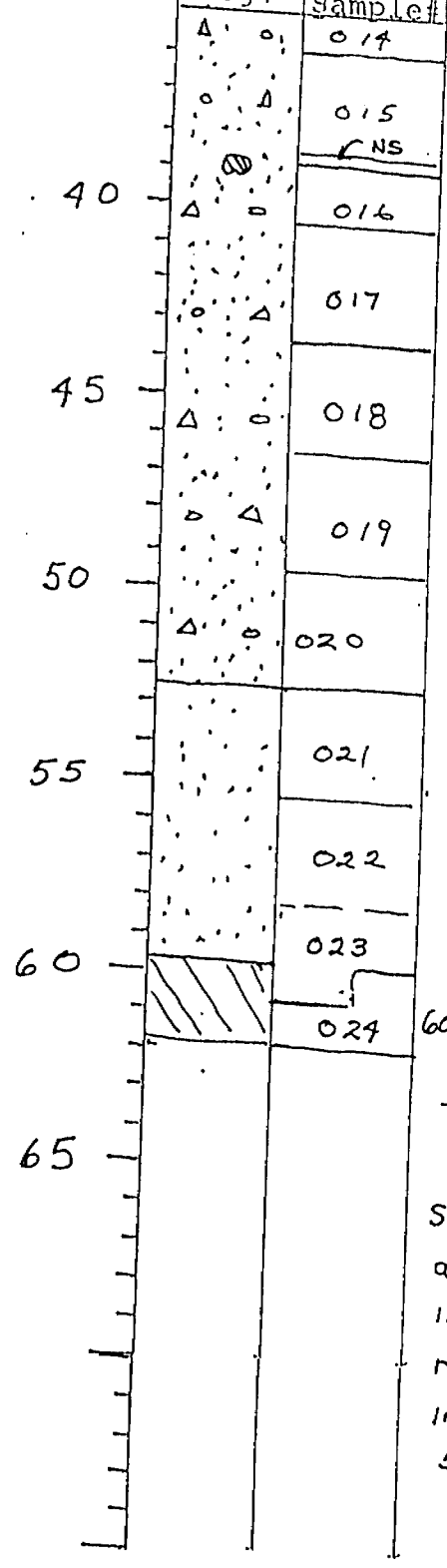
Metres	Log	Sample#	Overburden Description	Au (ppb)	Cu (ppm)	Zn (ppm)	Au Grains #	Au Grains Description
			0.0 - 1.5 - organics					
			1.5 - 4.4 - Ojibway Sediments slightly gritty to non gritty clay					
5		001	4.4 - 52.5 - Matheson Till	40	103	146	0	
		002	grey silt-fine sand matrix	10	210	108	0	
		003	cobbly to pebbly, composition 70% granitoid, 20% volcanic - sedimentary, 10% limestone	290	118	48	0	
10		004	4.4 - 7.5 - possibly clast supported	670	89	52	2	1 modified 1 reshaped
			after 7.5 matrix supported					
15		005	@ 7.8 first appearance of clay balls	35	95	38	1	modified
		006	15.0 - 17.0 - minor clay balls	210	163	60	1	reshaped
		NS	19.0 - 19.3 granodiorite boulder	15	126	32	0	
20		007						
		NS	21.5 - 23.0 granodiorite boulder	10	—	—	0	
		008		10	49	24	0	
25		009						
		010		120	85	62	1	reshape
		NS	27.0 - 27.5 greywacke boulder					
		011		60	391	26	0	
30		012	at 27.5 clast lithology changes gradionally to 70% mafic volcanic 30% granitoid	40	83	28	1	modif
		013		40	128	24	1	pristi
		NS						
		013		10	38	20	1	modif
35		014						

Hole#	Page
DO-90-03	1

WESTMIN MINES LTD.

Geologist: D. Holmes Date: March 4 to 6 Hole# DO-90-03

Sampler: S. Anderson Claim Group: South Detour Prov.: Ontario



Overburden Description	Au (ppb)	Cu (ppm)	Zn (ppm)	Au grains #	Au grains Description
					Notes & Analyses
38.4 - 38.6 boulder ?	150	121	24	1	modified
	85	143	54	0	
	900	—	—	6	2 - reshaped 2 - modified 2 - pristine
	145	116	44	1	reshaped
	35	—	—	2	1 - reshaped 1 - modified
	55	—	—	0	
52.5 - 60.6 Missinaibi Sediments 52.5 - 55.4 - fine beige - grey sand, 55.4 - 55.6 - dry competent gritty clay with volcanic cobble 55.6 - 60.6 - fine grey to beige sand	185	87	38	1	modified
	35	255	28	0	
	50	—	—	0	
60.6 - 61.8 - Bedrock grey green intermediate to mafic volcanic trace pyrite, epidote, quartz	<5				

Samples 23 and 24 overlap as bit K000896 disentigrated in hole at 60.6, hole was redrilled 3m west and intersected bedrock at 59.8

Daniel R. J. Nicholls

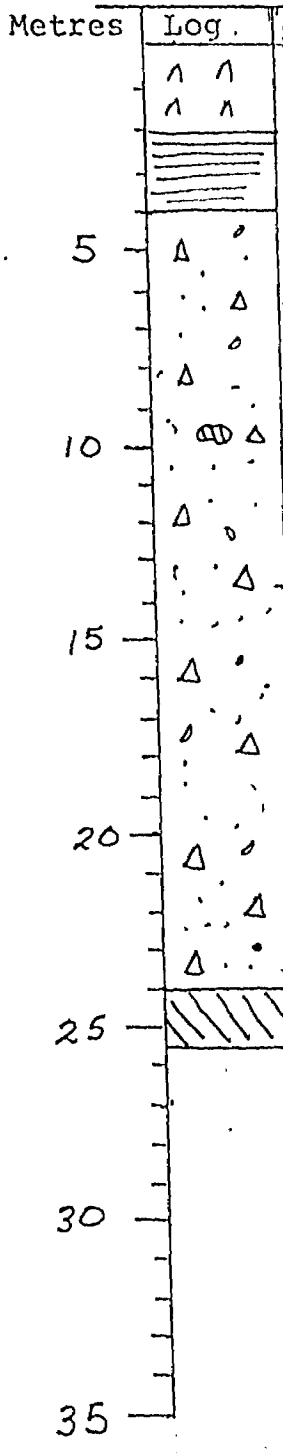
Hole#	Page
DO-90-03	2

Geologist: D. Bonner Date: March 6, 1990 Hole# DO-90-04

Sampler: S. Anderson Claim Group: South Detour Prov.: Ontario

Contractor/ Driller: Bradley Field Location: 8100E 2550N

Bit No.: B000139 NTS: 32 E-13



Log	Sample#	Overburden Description	Au ppb	Cu ppm	Zn ppm	Au grains #	Desc.
		0-2.0 organics					
		2.0-4.0 - Clay Varved dark grey					
		4.0-24.0 Matheson Till fine sand silt matrix with light grey clay balls, cobbles and pebbles 70% granitic, tr limestone					
	001		135	122	79	0	
	002	@ 9.6-10.0 a granite boulder	90	127	60	0	
	003		20	130	66	0	
		after 16.5 clay balls diminish but are still locally present					
	004		<10	129	82	0	
	005		<5	139	94	0	
	006		<20	390	68	0	
	007	24.0-25.5 - Bedrock mafic rock with 5% calcite, pyrite, trace arsenopyrite	<5				

Paul R.J. Nicholls

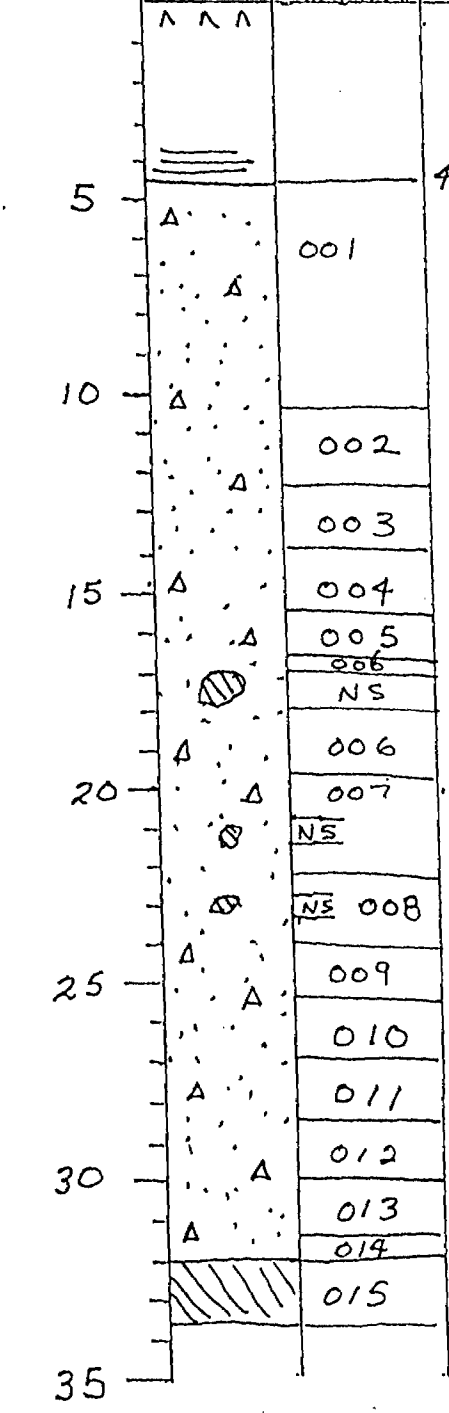
Hole#	Page
90-04	1

Geologist: D. Bunner Date: March 6 Hole# DO-96-05

Sampler: S. Anderson Claim Group: South Detour Prov.: Ontario

Contractor/ Driller: Bradley Field Location: 8300E 2400N

Bit No.: B000139 NTS: 32 E-13



Log	Sample#	Overburden Description	Au ppb	Cu ppm	Zn ppm	Au Grains #	Desc.
		0-4.5 no return clay and organics					
		4.5-32.0 Matheson Till light grey beige, sand to silt matrix, local clay lumps, pebbles and cobbles - 60% granitoid, 40% volcanic.					
	001		160	136	56	2	modified
	002		130	100	30	0	
	003		120	124	38	0	
	004	17.0-17.9 - granite boulder	50	117	46	3	1-reshape 2-modifie
	005		370	90	48	4	modifiec
	006						
	NS	18.0-19.8 - thin clay seams	160	83	39	9	2-reshape 7-modifie
	006	21.0-21.8 - granite boulder					
	007	21.8-22.8 - clean washed gravel	70	176	38	0	
	NS	22.8-23.5 - Volcanic boulder					
	NS 008	23.0-25.0 - clast supported	60	178	50	0	
	009	26.0-28.0 - matrix supported green grey clay balls 70% volcanic clasts	365	98	48	0	
			10	–	–	0	
	010		350	126	28	2	1 modifie 1 pristin
	011		640	160	26	4	modified
	012		465	126	16	1	modifiec
	013	31.0-32.0 - sandy till	<5	537	38	0	
	014						
	015	32.0-33.5 Bedrock. fine grained, dk brown with up to 15% disseminated pyrite	<5				

David R.G. Nicholls

Hole#	Page
90-05	1

Geologist: A. O'Connor Date: March 6, 1990 Hole# DO-90-06

Sampler: S. Anderson Claim Group: South Detour Prov.: Ontario

Contractor/ Driller: Bradley Field Location: 8700E 2650N

Bit No.: B000139 NTS: 32 E-13

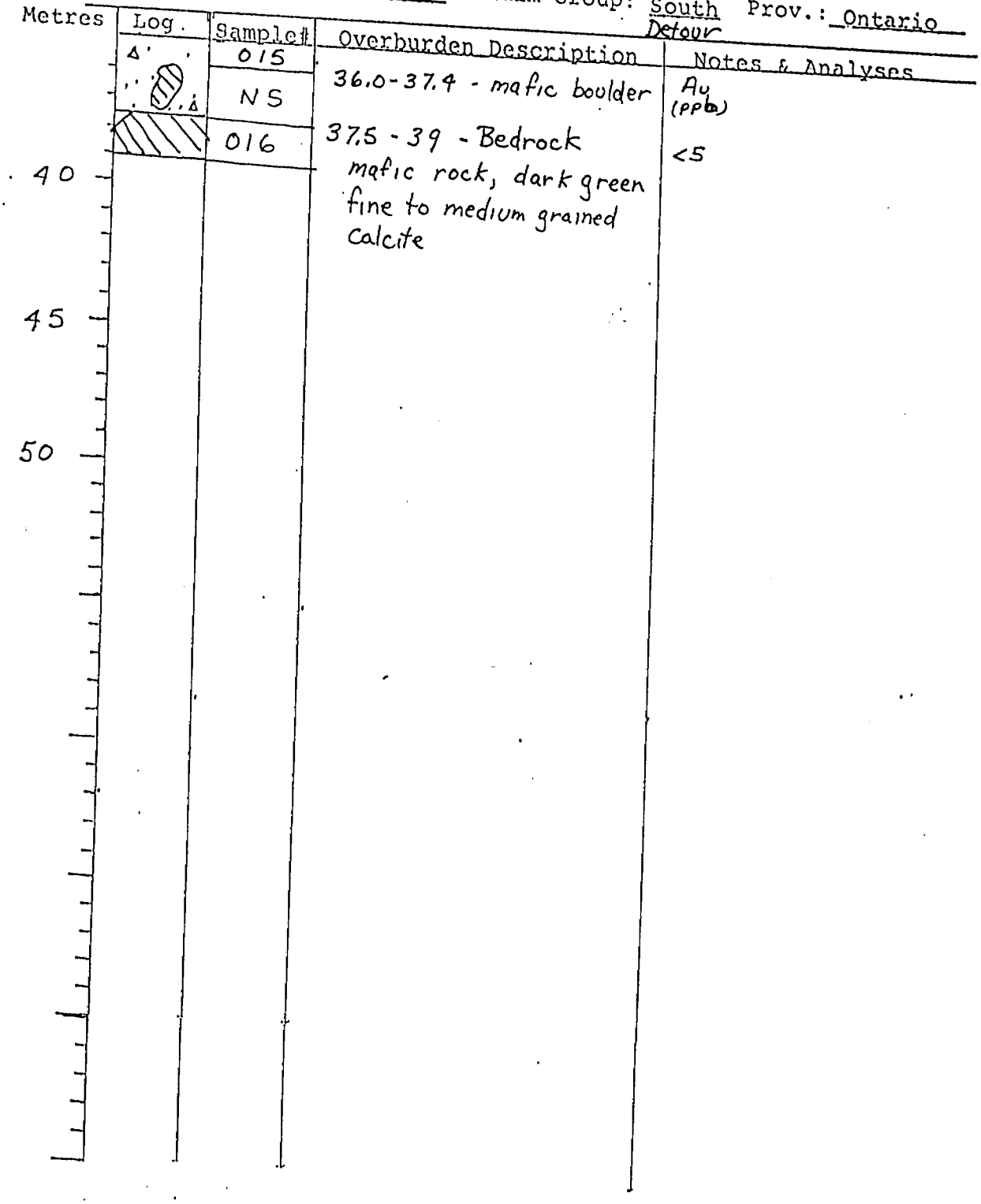
Metres	Log	Sample#	Overburden Description	Au ppb	Cu ppm	Zn ppm	Au Grains #	Au Grains Desc.
	^ ^ ^ ^		0 - 1.5 organics					
	Δ	001	1.5 - 37.5 - Matheson Till grey fine sand silt matrix matrix supported - cobbles and pebbles	60	101	36	1	modified
5	Δ	002	70% granitoid, 25% vol/sed, 5% limestone	<10	211	42	0	
	Δ		8.0 - 8.5 granitic boulder					
10	Δ	003		<5	99	44	0	
	Δ	004		10	87	56	0	
	Δ	005		25	93	40	0	
15	Δ	NS 006	16 - 16.5 - granitic boulder	30	132	48	0	
	Δ	007	19.7 - 20.0 - soft grey clay balls	320	107	36	2	1 reshaped 1 modified
20	Δ	008		440	96	52	3	reshaped
	Δ	009	22.5 - 23.5 - clay balls	<10	161	84	1	reshaped
25	Δ	010	clasts 60% volc/sed after 28.5	<5	146	142	0	
	Δ	011		<5	88	28	0	
30	Δ	012	31.5 - 33.0 - mafic volcanic boulder	<10	73	26	2	modified
	Δ	013		40	92	46	1	modified
	Δ	014		15	96	32	0	
35	Δ	015		280	569	40	3	modified

Hole#	Page
90-06	1

WESTMIN MINES LTD.

Geologist: A. O'Connor Date: March 6, 1990 Hole# DO-90-06

Sampler: S. Anderson Claim Group: South Detour Prov.: Ontario



David R.J. Nicholls

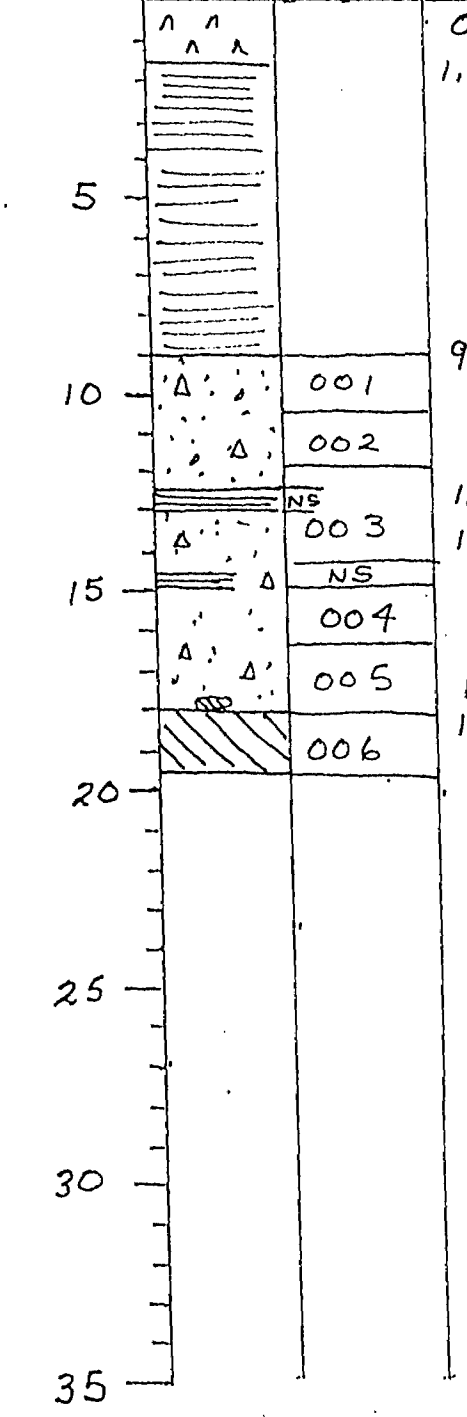
Hole#	Page
90-06	2

Geologist: D. Bunner Date: March 8, 1990 Hole# DO-90-07

Sampler: S. Anderson Claim Group: South Detour Prov.: Ontario

Contractor/ Driller: Bradley Field Location: 8160 E 2200N

Bit No.: K000897 NTS: 32 E-13



Sample#	Overburden Description	Au ppb	Cu ppm	Zn ppm	Au grains #	Desc.
	0-1.5 organics					
	1.5-9.0 Clay, varved grey hard packed, trace limestone pebbles					
001	9.0-12.5 Matheson Till matrix supported till fine sand - 80% granitoid pebles	50	132	156	1	modified
002		<10	125	132	1	modified
NS	12.5-13.0 - varved clay					
003	13.0-18.0 - Matheson Till similar to above with varved clay between 14.5 and 15	120	166	96	1	modified
NS						
004		170	—	—	2	reshaped
005	17.8-18.0 - mafic boulder	<20	106	38	1	modified
006	18.0-19.5 - Bedrock intermediate to mafic volcanic, grey, 1-5% pyrite	<5				

Paul R.J. Nicholls

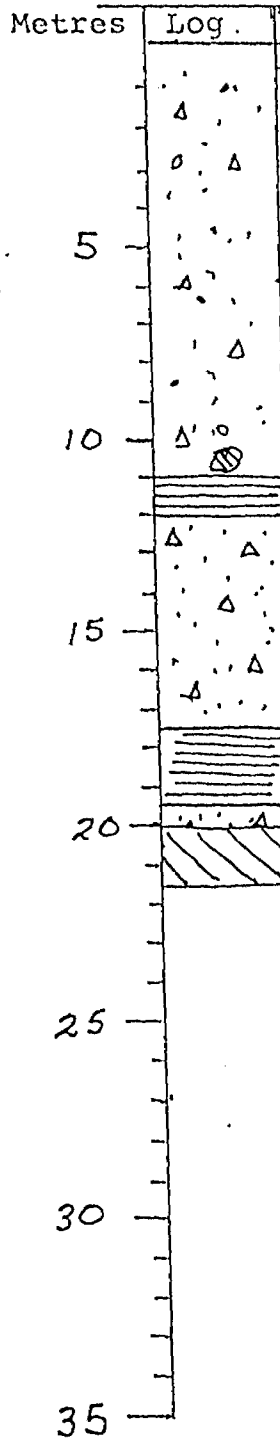
Hole#	Page
90-07	1

Geologist: D. Bunner Date: March 8, 1990 Hole# DO-90-08

Sampler: S. Anderson Claim Group: South Detour Prov.: Ontario

Contractor/ Driller: BRADLEY Field Location: 8700E 2400N

Bit No.: K000897 NTS: 32 E-13



Log	Sample#	Overburden Description	Notes & Analyses: Au ppb	Co ppm	Zn ppm	Au #	grains desc.
		0 - 0.5 no return					
	001	0.5 - 11.0 Matheson Till fine sand silt matrix with pebble and cobbles 10% limestone, 40% granite 50% volc/sed	<10	131	170	0	
	002						
	003		660	313	140	1	modified
		10.5 - 11.0 granite boulder					
	NS	11.0 - 12.0 clay balls, grey					
	004	12.0 - 17.5 Matheson Till	15	-	-	0	
	005	similar to above	<5	-	-	0	
	006	@14.0 a 1cm pyrite chip	<10	126	44	0	
	NS	17.5 - 19.5 Clay, unconsolidated with fine silt, rare pebbles	40	550	78	0	
	007	19.5 - 20.0 - Matheson till 100% mafic pebbles	<5				
	008	20 - 21.5 - Bedrock light green grey, schistose rock 10% calcite					

Paul R.J. Nicholls

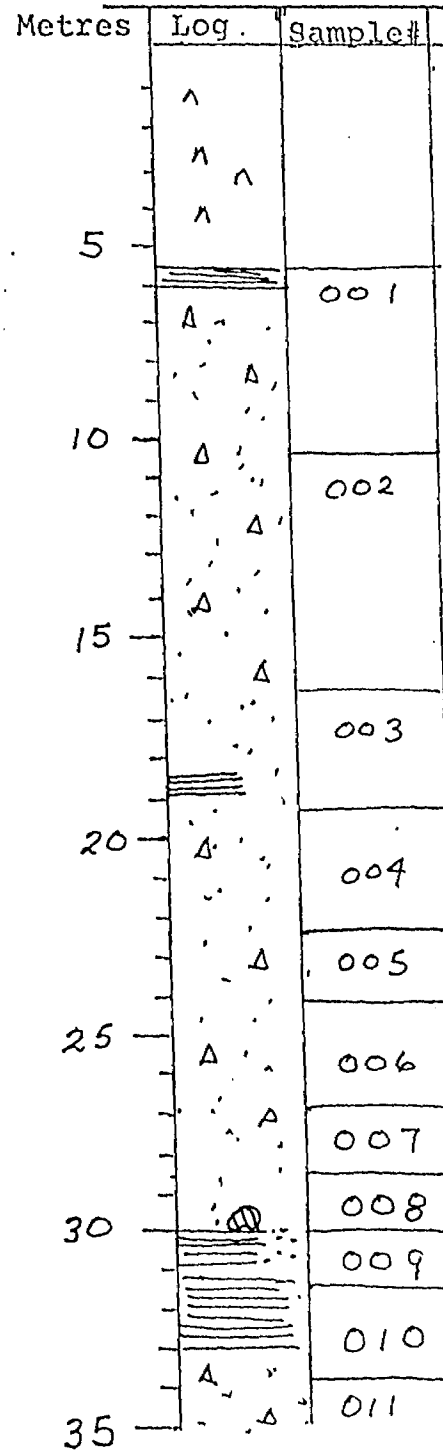
Hole#	Page
90-08	1

Geologist: D. Bunner / A. O'Connor Date: March 8-9, 1990 Hole# DO-90-09

Sampler: S. Anderson Claim Group: South Detour Prov.: Ontario

Contractor/ Driller: Bradley Field Location: 9300E 23+50N

Bit No.: B000140 NTS: 32 E-13



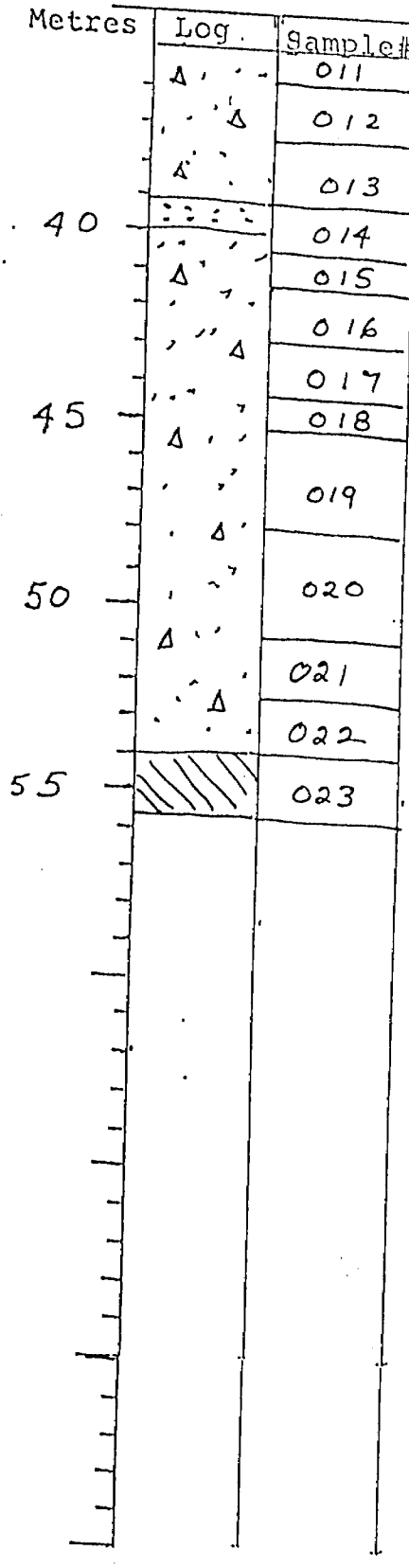
Log	Sample#	Overburden Description	Notes & Analyses: Au ppb	Cu ppm	Zn ppm	Au Grains #	Grains Desc.
		0.0 - 5.5 organics little return					
		5.5 - 6.0 Clay . brown					
	001	6.0 - 54.6 Matheson Till or gravel fine sand matrix, beige to grey, clast supported till, pebbles and cobbles 80% granitoid	60	115	66	1	modified
	002		<10	121	170	0	
		@ 14.8 first appearance of clay balls, till becomes matrix supported					
	003	18.4 - 18.8 - predominantly clay	<20	217	359	0	
		@ 20.5 clay balls dis appear					
	004						
	005						
	006		115	186	30	3	2 - modifed 1 - pristine
	007						
	008	29.5 - 30.0 Mafic boulder					
	009	30.0 - 31.5 - dark grey clay with 80% mafic pebbles	>10,000	67	22	2	modified
	010	31.5 - 33.0 - clay					
	011	@ 34.5 clay balls reappear					

Hole#	Page
90-09	1

D. Bunner WESTMIN MINES LTD.

Geologist: A. O'Connor Date: March 8-9, 1990 Hole# D-90-09

Sampler: S. Anderson Claim Group: South Prov.: Ontario



Overburden Description

39.2-40 - coarse gravel / 60% mafic clasts

@ 44.0 clay balls disappear

53.0-54.0 - no clasts

54.0-55.5 - Bedrock soft chloritic, fine grained

Notes & Analyses

Au ppb	Cu ppm	Zn ppm	Au #	Grains Desc
210	91	40	3	modified
230	188	40	2	modified
100	194	36	0	
550	149	72	2	modified
390	140	96	3	modified
460	158	52	1	modified
<20	114	59	1	modified
950	306	199	2	modified
200	296	112	0	
-	2001	1390	0	
<5				

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Hole#	Page
90-09	2

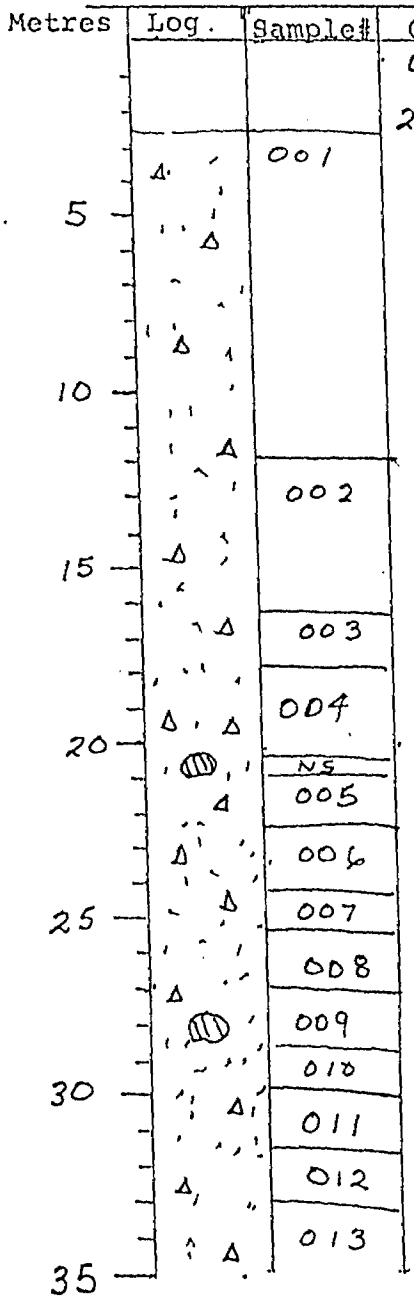
WESTMIN MINES LTD.

Geologist: A.O'Connor D.Bunner Date: March 9-10, 1990 Hole# DO-90-16

Sampler: S.Anderson Claim Group: South Detour Prov.: Ontario

Contractor/ Driller: Bradley Field Location: 9300E 2550N

Bit No.: B000140/B000138 NTS: 32 E-13



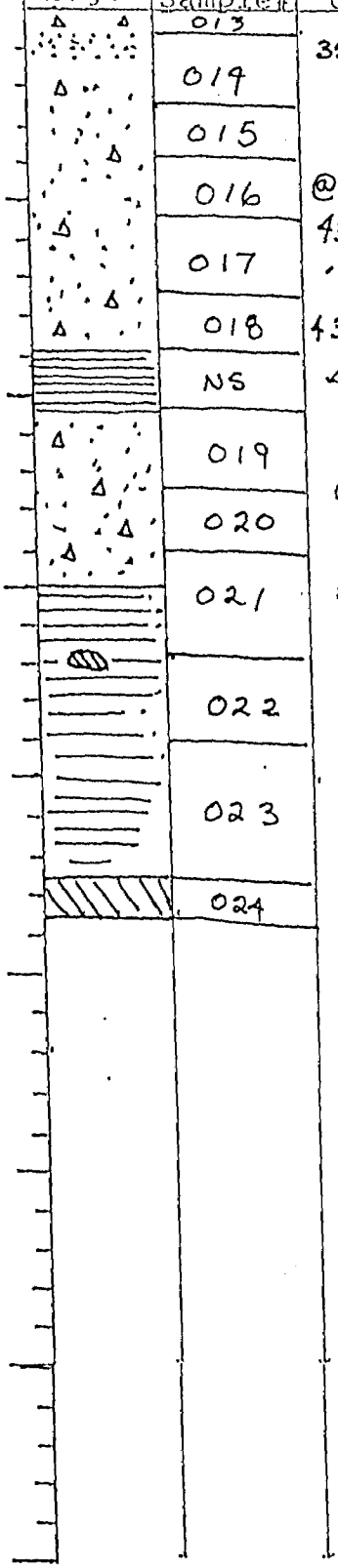
Log.	Sample#	Overburden Description	Notes & Analyses: Au ppb	Co ppm	Zn ppm	Au #	Grains Desc
		0-2.4 - no return.					
	001	2.4-43.8 Matheson Till matrix supported with pebbles and cobbles fine grey sand and silt matrix. clasts - 70% granitoid 5% limestone 25% volc/sed.	100	265	350	0	
	002	@11.8 - small clay balls	<10	49	56	0	
	003						
	004	20.4-21.0 granite boulder	50	82	54	0	
	NS						
	005	22.5-25.5 - grey clay balls					
	006		25	173	56	0	
	007	25.5-27. pebbles dominant no clay					
	008						
	009	27.8-28.5 granite boulder					
	010						
	011	@28.5 mafic volc compose 70%-90% of clasts	159	64		1	modified
	012						
	013						

Hole#	Page
90-10	1

WESTMIN MINES LTD.

Geologist: A.O'Connor D. Bunner Date: March 9-10, 1990 Hole# DO-90-10

Sampler: S. Anderson Claim Group: South Detour Prov.: Ontario



Metres	Sample#	Overburden Description	Au ppb	Co ppm	Zn ppm	Au #	Grains Description
	013						
	014	35.5-36.0 - fine sand with minor clay balls	215	104	38	4	modified
	015						
40	016	@ 40.2 - pyrite observed.					
	017	43.2-43.5 - pyrite in sericite, schist chips	110	206	64	3	modified
	018	43.8 - 45.2 - Clay, dark grey hard trace grit.					
45	NS	45.2 - 50.0 - Matheson Till - Clayrich					
	019	matrix with < 20% clasts	140	246	62	0	
	020	clasts are 60-80% mafic.	-	-	-	4	1 reshaped 3 modified
50	021	50.0-57.4 - Clay with mafic pebbly grit	150	146	62	1	reshaped
	022	51.9 - 52.4 - mafic boulder	-	124	56	0	
55	023		4000	196	64	3	1 reshaped 2 modified
	024	57.4 - 58.5 Bedrock	10				
60		black fine grained, weakly schistose rock with 1% pyrite.					

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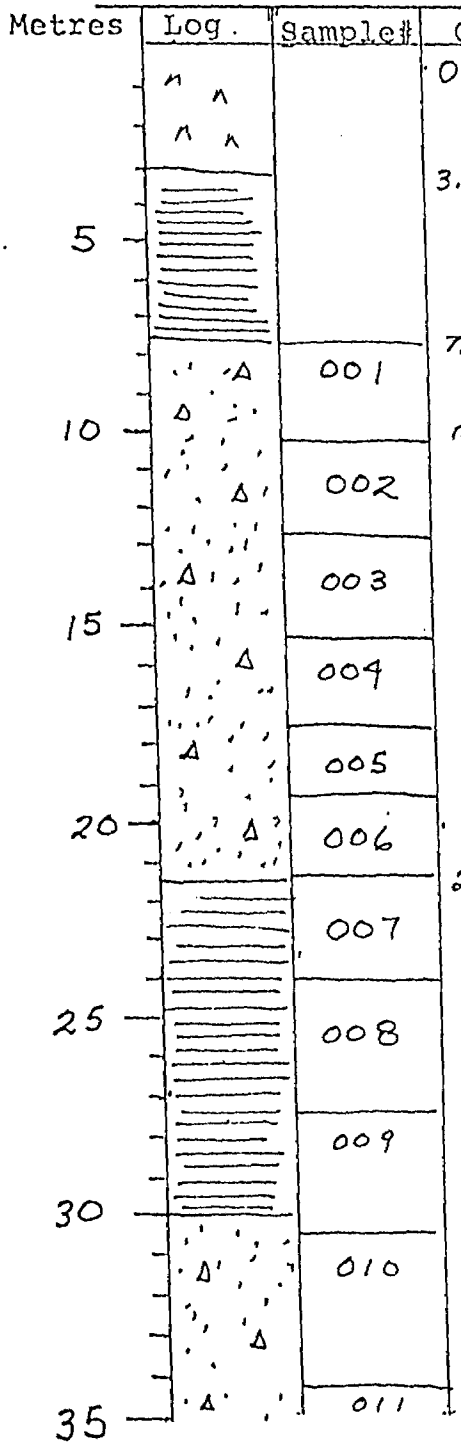
Hole#	Page
90-10	2

Geologist: D. Bunner Date: March 10, 1990 Hole# DO-90-11

Sampler: S. Anderson Claim Group: South Detour Prov.: Ontario

Contractor/ Driller: Bradley Field Location: 8400E 1000N

Bit No.: B000141 NTS: 32 E-13



Metres	Overburden Description	Au ppb	Cu ppm	Zn ppm	Au Grains #	Au Grains Desc.
	0-3.0 no return, organics					
	3.0-7.5 - Clay, large grey gritty clay balls and ropy clay					
	7.5-21.5 Matheson Till grey fine sand silt matrix matrix supported till with clasts (cobbles) of, 70% granite 10% limestone, 20% volc/sed.	-	142	140	1	reshaped
	12.8-14.6 large clay balls					
	15.0-21.5 - no clay balls	800	162	84	1	modified
	17.7-17.9 - granodiorite boulder					
	21.5-30.0 - Clay dark grey clay balls with minor clasts	185	169	60	2	modified
		110	203	56	3	modified
	30.0-39.2 Matheson Till grey, fine sand silt matrix with cobbles matrix supported clasts are 70% mafic 25% granitoid, 5% limestone	90	125	86	0	
		105	238	544	0	

Hole#	Page
90-11	1

WESTMIN MINES LTD.

Geologist: D. Bunner Date: March 10-11, 1990 Hole# DO-90-11

Sampler: S. Anderson Claim Group: South Detour Prov.: Ontario

Metres	Log	Sample#	Overburden Description	Notes & Analyses			
				Au ppb	Cu ppm	Zn ppm	Au grains # Desc.
		011					
		012		3220	219	92	3 1 reshaped 2 modified
		013		440	341	72	6 {4 modified 2 pristine
40		014	39.2 - 42.0 · Bedrock ? mainly mafic chips, dark green with 5 to 10% white and red carbonate fine grained.	240	324	64	1 modified.
		015		10			
45							
50							

Paul R.J. Nichols

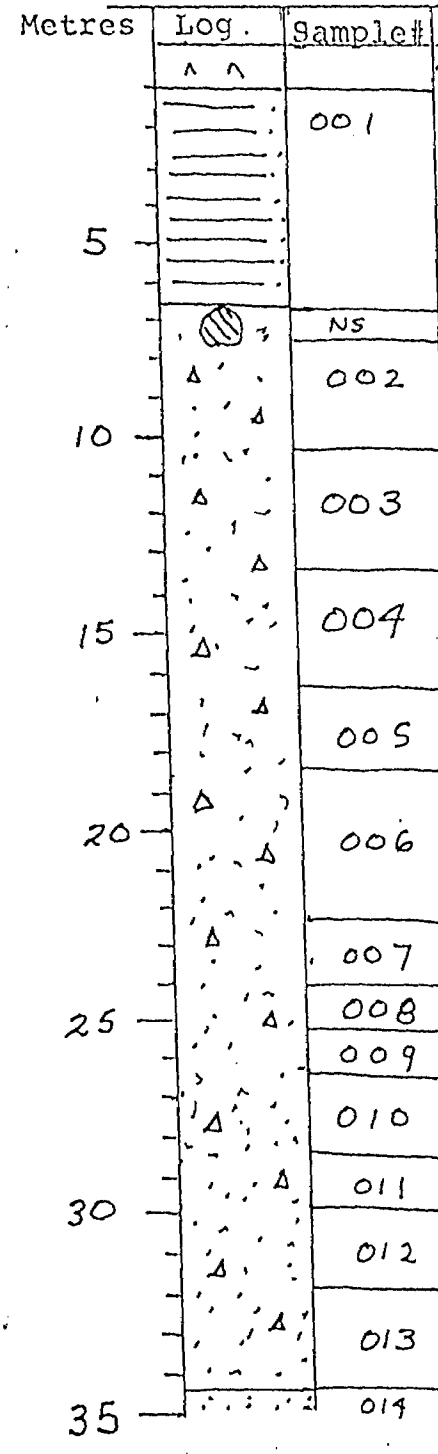
Hole#	Page
90-11	2

Geologist: A. O'Connor, D. Bonner Date: March 11-12, 1990 Hole# DO-90-12

Sampler: S. Anderson Claim Group: South Detour Prov.: Ontario

Contractor/ Driller: Bradley Field Location: 8400E 1200N

Bit No.: B000141 NTS: 32 E-13



Sample#	Overburden Description	Au ppb	Cu ppm	Zn ppm	Au Grains #	Au Grains Desc.
	0.0-1.0 organics					
001	1.0-6.5 Clay balls, gritty trace clasts	10	257	132	0	
	6.5-34.5 Matheson Till					
NS	@6.6-7.5 - granodiorite boulder					
002	fine sand silt matrix, matrix supported till with pebbles of 70% granitoid.	100	156	64	0	
003	20% volc/sed, 10% limestone					
004	7.5-11.0 - grey soft non gritty clay balls	200	120	90	1	modified
005	16.6-30.6 - grey soft clay balls.					
006		150	85	34	2	modifie
007						
008	@25.5 clast composition					
009	70% mafic volc/sed, 25%	300	72	22	2	modifie
010	granitoid, 5% limestone.					
011						
012		620	76	36	2	modifie
013						
014	34.5-43.5 - Sand, light grey to beige minor pebbly interbeds.	380	99	58	0	

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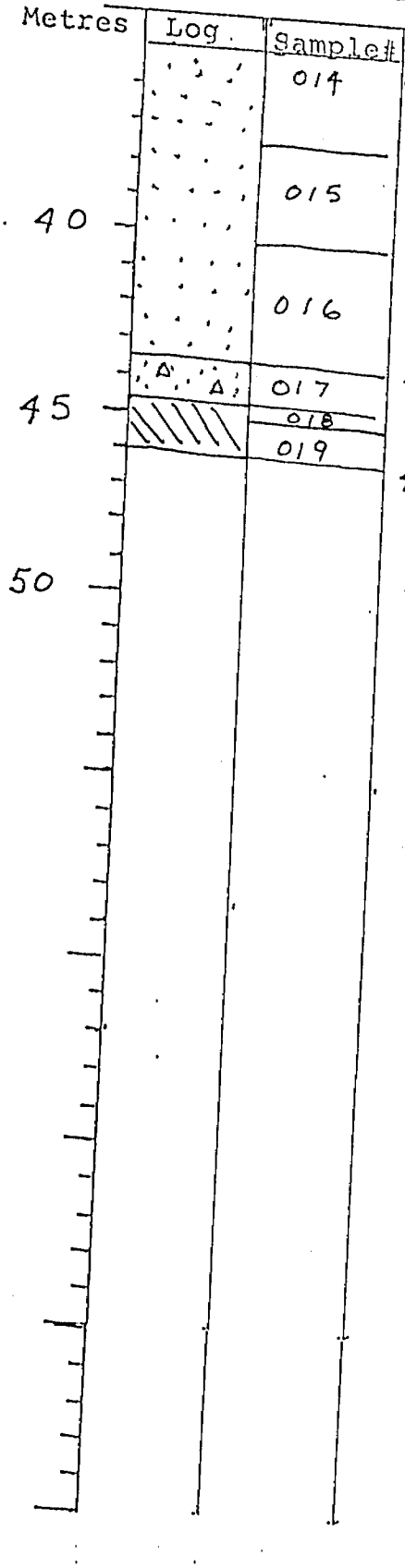
90-12	1

WESTMIN MINES LTD.

Geologist: A. O'Connor / D. Bonner Date: March 11-12, 1990 Hole# DO-90-12

Sampler: S. Anderson Claim Group: South Detour Prov.: Ontario



Log	Sample#	Overburden Description	Notes & Analyses Au ppb	Cu ppm	Zn ppm	Au Grains #	Desc.
	014						
	015						
			150	113	60	0	
	016						
			15	86	48	0	
	017	43.5-44.5 - Till, pebbly to cobbly till, sand silt matrix 70% granitoid clasts	180	231	76	1	reshaped
	018		5				
	019	44.5-46.0 - Bedrock	<5				
		44.5-45.0 - dark green fine grained					
		45.0-46.0 - quartz vein with chlorite					

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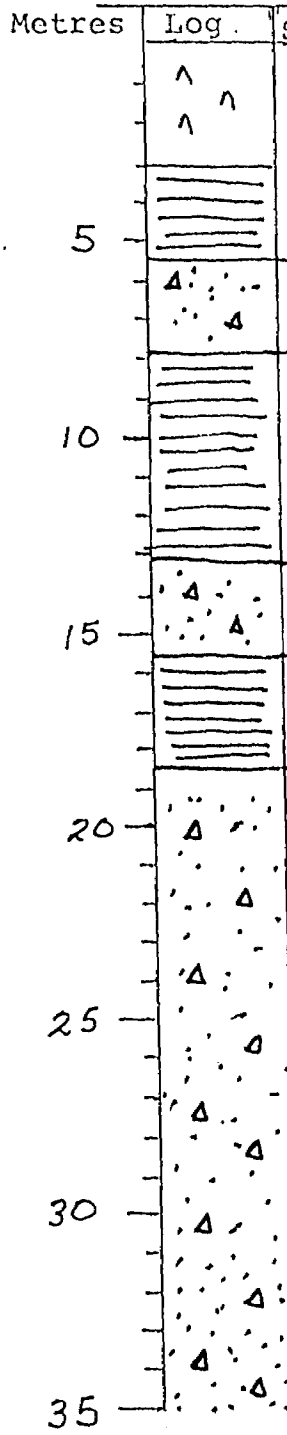
Hole#	Page
90-12	2

Geologist: D. Bunner Date: March 12, 1990 Hole# DO-90-13

Sampler: S. Anderson Claim Group: South Detour Prov.: Ontario

Contractor/ Driller: Bradley Field Location: 8600 670N

Bit No.: B000169 NTS: 32 E-13



Log	Sample#	Overburden Description	Notes & Analyses: Au ppb	Cu ppm	Zn ppm	Au #	Grains Desc.
		0.0 - 3.0 - Organics					
		3.0-5.4 - Clay, light brown soft, non gritty					
	001	5.4 - 7.8 - Till, clay rich, light grey gritty with pebbles and cobbles 50% mafic	<20	70	78	0	
	NS	7.8 - 13.1 - Clay grey soft					
	002	13.1 - 15.5 - Till clay rich matrix minor pebbles 70% granitoid.	40	188	86	0	
	NS	15.5 - 18.4 Clay - varved.					
	003	18.4 - 38.9 - Matheson Till fine sand matrix, matrix supported till with pebbles and cobbles, 70-90% granitoid, 20-30% volc/sed.					
	004		10	120	79	1	modified
	005						
	006						
	007		285	97	54	1	reshaped
	008						
	009		15	106	44	0	
	010	32.0 - 33.3 - Clay light grey clay balls	<10	108	50	1	modified
	011		240	71	42	0	

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90-13	1

WESTMIN MINES LTD.

Geologist: D. Bunner Date: March 12, 1990 Hole# DO-90-13

Sampler: S. Anderson Claim Group: South Detour Prov.: Ontario

Metres	Log	Sample#	Overburden Description	Notes & Analyses				
				Au ppb	Cu ppm	Zn ppm	Au Grains #	Desc
		612	35.2 - 35.4 fine sand	<10	64	39	1	reshaped
		613		<5	66	32	0	
40		014	38.9 - 40.5 - Sand, fine to medium grained	<5	12	20	0	
		015	40.5 - 42.0 - Matheson Till as above	<5	261	20	0	
		016	42.0 - 45.0 - Bedrock white medium grained rock, quartz feldspar trace amphibole	<5				
45								
50								

Dave R.J. Nicholls

Hole#	Page
90-13	2

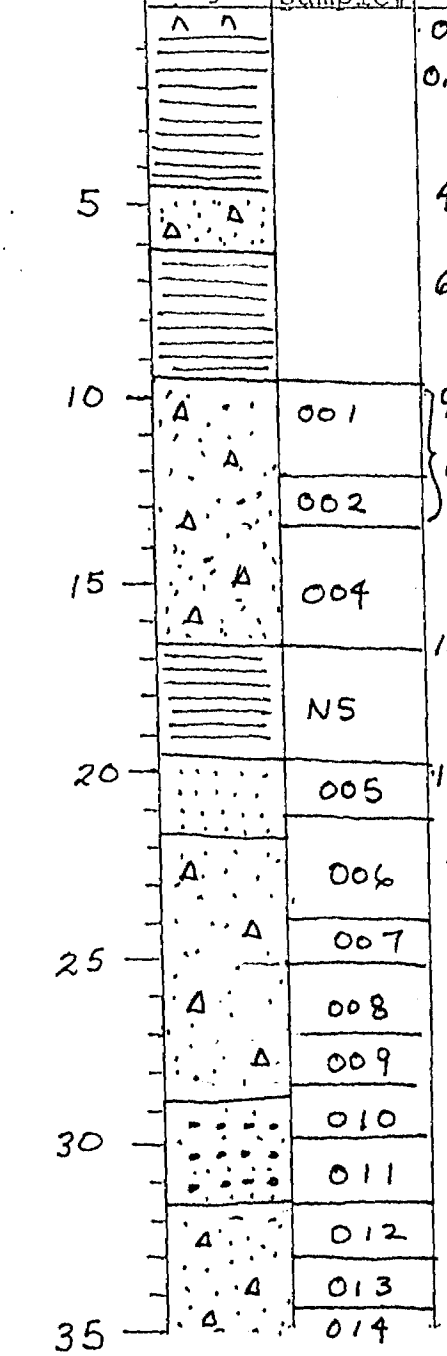
WESTMIN MINES LTD.

Geologist: A. O'Connor Date: March 13, 1990 Hole# DO-90-14

Sampler: S. Anderson Claim Group: South Detour Prov.: Ontario

Contractor/ Driller: Bradley Field Location: 8700E 600N

Bit No.: B000173 NTS: 32 E-13



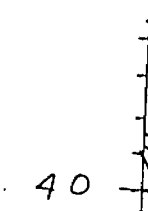
Sample#	Overburden Description	Au ppb	Co ppm	Zn ppm	Au #	Grains Desc.
	0-0.5 - organics					
	0.5-4.5 - clay, oxidized brown, non gritty clay balls					
	4.5-6.0 - Till, clay matrix 70% granitoid clasts					
	6.0-9.4 - Clay, varved and non gritty clay balls granite boulder @ 6.5-6.7					
001	9.4-16.6 - Till, fine sand silt matrix.	50	154	86	0	
002						
003						
004	13.8-14.0 Clay interbeds 14.4-14.6 Clay	<20	185	112	0	
NS	16.6-19.6 Clay - varved non gritty					
005	19.6-21.7 - Sand, very fine light grey to beige	130	83	48	0	
006	21.7-28.7 - Matheson Till fine sand silt matrix with pebbles and cobbles 50-60% granitoid 20-30% volc/sed.	10	205	86	2	reshaped
007						
008						
009	fine sand interbed @ 24.2-24.5	25	186	148	2	1 reshaped 1 modified
010	28.7-31.4 - Gravel, coarse sand matrix	<10	1111	72	1	reshaped
011						
012	31.4-35.6 - Matheson Till similar to above with grey gritty clay balls 60-80% granitoid. 20-40% volc/sed.	<10	272	348	0	
013		<10	151	178	0	
014		140	163	158	0	

Hole#	Page
90-14	1

WESTMIN MINES LTD.

Geologist: A. O'Connor Date: March 13, 1990 Hole# DO-90-19

Sampler: S. Anderson Claim Group: South Detour Prov.: Ontario



Metres	Log	Sample#	Overburden Description	Notes & Analyses				
				Au ppb	Cu ppm	Zn ppm	Au #	Grains Desc.
		014	35.6 - 38A - Gravel with sand matrix, no clay	380	228	140	0	
		015						
		016		<20	260	80	0	
40		017	38.4 - 38.8 - Matheson T, Il					
			38.8 - 40.0 - Bedrock, magnetic dark green, carbonate-rich rock	<5				
45								
50								

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Hole#	Page
DO-14	2

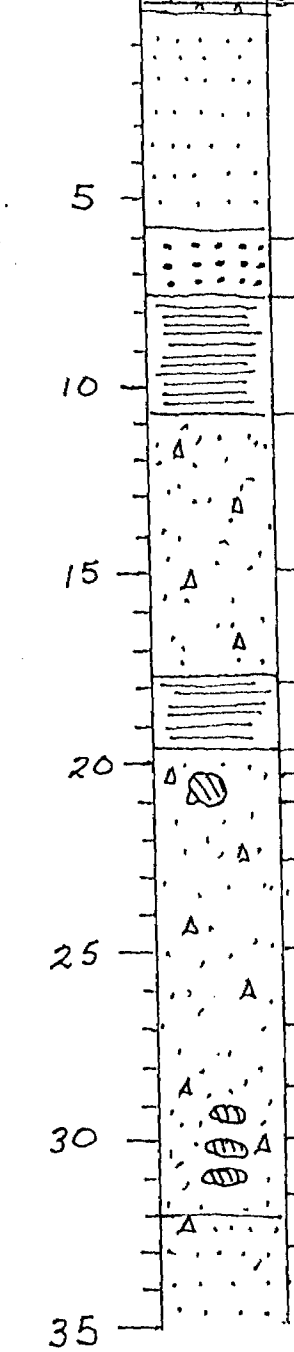
WESTMIN MINES LTD.

Geologist: D. Bunner Date: March 14-15, 1990 Hole# DO-90-15

Sampler: S. Anderson Claim Group: South Detour Prov.: Ontario

Contractor/ Driller: Bradley Field Location: 8700E 800N

Bit No.: B000171 NTS: 32 E-13



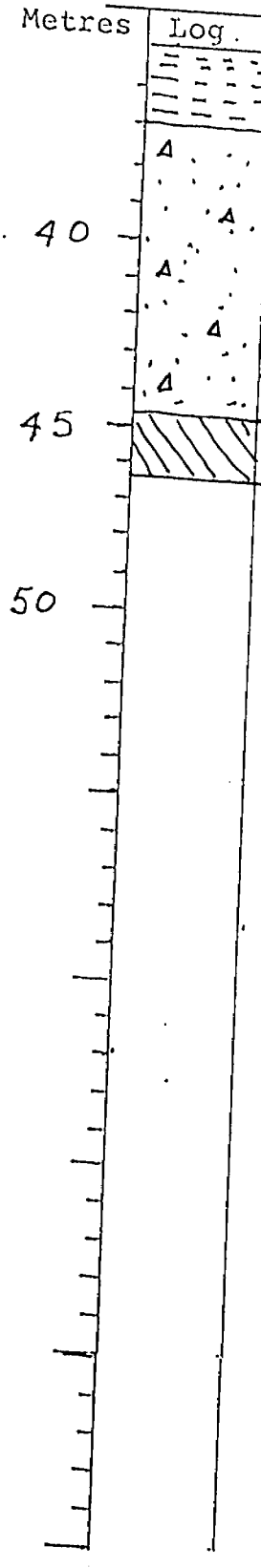
Log	Sample#	Overburden Description	Notes & Analyses: Au ppb	Cu ppm	Zn ppm	Au Grains #	Au Grains Desc.
		0.0 -0.2 Organics 0.2-5.8 - Sand, fine, beige to brown					
	001	5.8-7.4 - Gravel, fine to medium sand matrix, oxidized pebbles 50% limestone, 40% granitoid	<10	28	18	0	
	NS	7.4-10.8 - Clay, grey, soft non gritty					
	002	10.8 - 17.8 - Matheson Till matrix supported, grey clay balls, fine sand matrix with silt interbeds pebbles and cobbles - 60-80% granitoid, 5% limestone.	<20	133	130	0	
	003	15.0-17.8 - clay ball rich till	90	134	154	1	reshaped
	NS	17.8-19.5 - Clay, varved grey non gritty					
	004	19.5 - 31.5 - Matheson Till similar to above, minor clay balls					
	NS						
	005	20.2-21.0 - granite boulder	50	157	66	1	reshaped
	006						
	007						
	008		535	145	60	1	reshaped
	009	29.0-29.5 - granite boulder					
	010	30.0-30.5 - granodiorite boulder 30.7-31.2 - " "					
	011	31.5-37.0 - Sand, light grey, reverse graded with silt near bottom	50	163	48	0	
	012						

Hole#	Page
90-15	1

WESTMIN MINES LTD.

Geologist: D. Bunner Date: March 19-15 Hole# DO-90-15

Sampler: S. Anderson Claim Group: South Detour Prov.: Ontario



Log	Sample#	Overburden Description	Notes & Analyses: Au ppb	Cu ppm	Zn ppm	Au grains # Desc.
	012	36.2-37.0 - silt and clay				
	013	37.0-43.5 - Matheson Till as above, @ 38.0 - first appearance of clay balls	550	76	20	1 reshaped
	014		230	397	32	1 reshaped
	015					
	016	44.7-46.3 - Bedrock, dark green, schistose, 10% white calcite, trace to 1% pyrite disseminated	185	1084	36	2 reshaped
			5			

Paul R. J. Nicholls

Hole#	Page
90-15	2

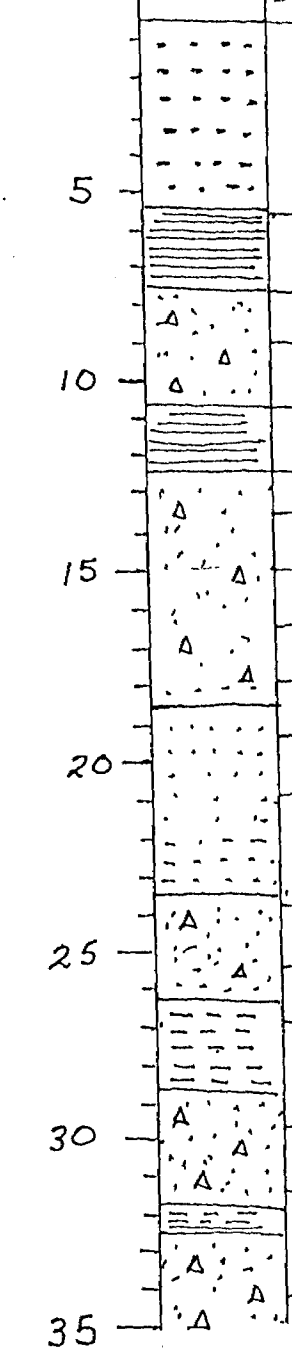
WESTMIN MINES LTD.

Geologist: D. Bunner Date: March 15, 1990 Hole# DO-90-16

Sampler: S. Anderson Claim Group: South Detour Prov.: Ontario

Contractor/ Driller: Bradley Field Location: 8600E 870N

Bit No.: B000142 NTS: 32 E-13



Log	Sample#	Overburden Description	Notes & Analyses: Au ppb	Cu ppm	Zn ppm	Au Grains #	Au Grains Desc.
		0.0 - 0.5 - no return					
	001	0.5 - 5.3 - Gravel, brown to yellowish brown, minor clay balls, 80% limestone pebbles	<10	92	36	0	
		5.3 - 7.5 - Clay, soft grey					
	NS						
	002	7.5 - 10.7 - Matheson Till fine sand silt clay ball matrix - 90% granitoid pebbles	<10	196	118	0	
	003		<10	190	80	1	reshaped
	NS	10.7 - 12.3 - Clay, soft, grey non gritty					
	004	12.3 - 18.5 - Matheson Till as above					
	004		70	133	98	0	
	005						
	006		<5	109	44	0	
	007	18.5 - 23.4 - Sand, reverse graded sand at top to silt at bottom					
	008						
	009		<5	103	52	0	
		23.4 - 26.2 - Matheson Till					
	010		<10	120	40	0	
	011	26.2 - 28.6 - Silt, minor pebbles and clay balls	<10	64	26	0	
	012						
		28.6 - 31.8 - Matheson Till - clasts are 60-80% mafic volcanic	<10	82	26	0	
	013						
		31.8 - 32.6 - Silt, minor cobble chips					
	014	32.6 - 35.4 - Till, clay rich, with minor mafic pebbles, clay balls are soft and non gritty	240	116	34	1	reshaped
	015		90	3574	80	0	

Hole#	Page
90-16	1

WESTMIN MINES LTD.

Geologist: D. Bunner Date: March 15, 1990 Hole# DO-90-16

Sampler: S. Anderson Claim Group: South Detour Prov.: Ontario

Metres	Log	Sample#	Overburden Description	Notes & Analyses
		015	35.0 - 35.2 - mafic boulder	Au ppb
		016	35.4 - 36.6 - Bedrock, dark green, fine grained massive, trace calcite and pyrite	<5
40				
			Paul R.J. Nicholls	
45				
50				

Hole#	Page
90-16	2

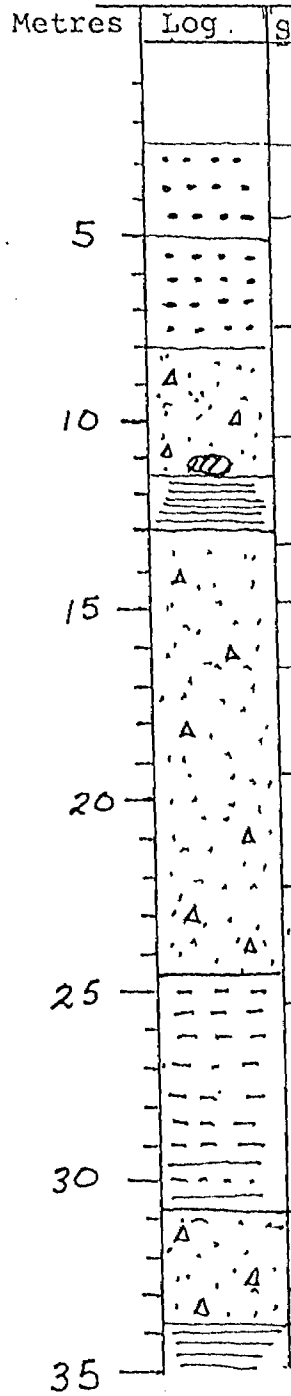
WESTMIN MINES LTD.

Geologist: D. Bunner Date: March 15, 1990 Hole# DO-90-17

Sampler: S. Anderson Claim Group: South Detour Prov.: Ontario

Contractor/ Driller: Bradley Field Location: 8700E 1000N

Bit No.: B000142 NTS: 32 E-13



Sample#	Overburden Description	Au ppb	Cu ppm	Zn ppm	Au # Grains	Desc.
	0.0 - 2.5 no return					
001	2.5 - 5.0 - Gravel, tran brown sand matrix with pebbles 40-80% limestone, 20% granitoid.	90	149	30	0	
002	5.0 - 8.0 - Gravel, beige colour unoxidized					
003	8.0 - 11.4 - Till, grey clay balls gritty, pebbles and cobbles 50% granite, 50% volc/sed. @ 11.0 - 11.4 - mafic boulder	<10	321	90	0	
004	11.4 - 13.0 - clay, grey					
005	13.0 - 29.6 - Matheson Till sand silt clay ball matrix, with pebbles, 60% granitoid 40% mafic volcanic.	<10	110	50	0	
006						
007		10	110	36	0	
	18.8 - 24.6 - only minor pebbles in clay ball matrix					
008						
009		<10	69	24	0	
	24.6 - 30.9 - Silt, minor grit and pebble and cobble chips becoming clay rich down section					
010		5960	130	30	0	
	30.9 - 33.8 - Matheson Till sand silt clay ball matrix pebbles and cobbles 90% mafic volcanic	3480	238	50	0	
011						
012		250	303	50	0	
NS	33.8 - 35.7 - Clay					

Hole#	Page
90-17	1

WESTMIN MINES LTD.

Geologist: D,Bunner Date: March 15,1990 Hole# DO-90-17

Sampler: S.Anderson Claim Group: South Detour Prov.: Ontario

Metres	Log	Sample#	Overburden Description	Notes & Analyses Au ppb
		NS	35.7 - 36.4 - Matheson Till	
		013	36.4 - 37.5 - Bedrock, dark green, massive fine grained minor quartz, calcite, and pyrite	<5
40				
45				
50				

Paul R.J. Nicholls

Hole#	Page
90-17	2

Ministry of Northern Development and Mines
Ontario

DOCUMENT No. W 9006.60406

32E13NE0004 2.13395 LOWER DETOUR LAKE

900

Mining Act

Report of Work
(Expenditures, Subsection 77(19))

Type of Work Performed	Mining Division	Township or Area
Overburden Drilling	Porcupine	Lower Detour Lake Area

Recorded Holder	Prospector's Licence No.
Westmin Mines Limited	T-4638
Address	**Telephone No.**
25 Adelaide Street East, #1400, Toronto, Ont. M5C 1Y2	(416) 364-8116

Work Performed By: Bradley Bros. Limited

Name and Address of Author (of Submission): Paul R.J.Nicholls — 25 Adelaide St.E.,#1400, Toronto, Ontraio M5C 1Y2

Date When Work was Performed — From: 03 03 90 (Day Mo. Yr.) To: 15 03 90 (Day Mo Yr)

All the work was performed on Mining Claim(s): Indicate no. of days performed on each claim. *See Note No. 1 on reverse side

Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days
P.553327	191	P.553328	42	P.553331	298	P.553332	404
P.553335	474	P.553343	644	P.553344	349	P.553347	273
P.553348	157	P.553351	262	P.553352	100		

Instructions
Total days credits may be distributed at claim holder's choice. Enter number of days credits per claim in the expenditure days credit column (below).

Calculation of Expenditure Days Credits: Total Expenditures $ 47,914.80 ÷ 15 = Total Days Credits 3194

Total Number of Mining Claims Covered by this Report of Work: 41

Mining Claims (List in numerical sequence). If space is insufficient, attach schedules with required information

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend Days Cr
P	1087168-76	60/ea									
P	1090121-33	60/ea.									
P	1090135-51	60/ea.									
P	1114018-19	60/ea.									

For details please see the attached Sheet "A"

ONTARIO GEOLOGICAL SURVEY ASSESSMENT FILES OFFICE
JUL 16 1990
RECEIVED

RECORDED
JUN 26 1990

Total Number of Days Performed	Total Number of Days Claimed	Total Number of Days to be Claimed at a Future Date
3,194	2,460	734

Certification of Beneficial Interest *See Note No. 2 on reverse side

I hereby certify that, at the time the work was performed, the claims covered in this report of work were recorded in the current recorded holder's name or held under a beneficial interest by the current recorded holder. Date: 22 June 1990. Recorded Holder or Agent (Signature): [signature]

Certification Verifying Report of Work

I hereby certify 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 and the annexed report is true.

Name and Address of Person Certifying: Paul R.J.Nicholls, 25 Adelaide St.E.,#1400 Toronto, Ontario M5C 1Y2

Telephone No: (416)364-8116 Date: 22 June 1990 Certified By (Signature): Paul R.J. Nicholls

Received Stamp: JUN 26 1990

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
2460	JUNE 26/90	[signature] Mining Recorder
	Date Approved as Recorded	Provincial Manager, Mining Lands
	13 July 90	[signature]

E78 (89/06)

SHEET "A"

	Prefix	Mining Claim	Expend. Days Cr.		Prefix	Mining Claim	Expend. Days Cr.
1)	P.	1087168	60	22)	P.	1090133	60
2)	P.	1087169	60	23)	P.	1090135	60
3)	P.	1087170	60	24)	P.	1090136	60
4)	P.	1087171	60	25)	P.	1090137	60
5)	P.	1087172	60	26)	P.	1090138	60
6)	P.	1087173	60	27)	P.	1090139	60
7)	P.	1087174	60	28)	P.	1090140	60
8)	P.	1087175	60	29)	P.	1090141	60
9)	P.	1087176	60	30)	P.	1090142	60
10)	P.	1090121	60	31)	P.	1090143	60
11)	P.	1090122	60	32)	P.	1090144	60
12)	P.	1090123	60	33)	P.	1090145	60
13)	P.	1090124	60	34)	P.	1090146	60
14)	P.	1090125	60	35)	P.	1090147	60
15)	P.	1090126	60	36)	P.	1090148	60
16)	P.	1090127	60	37)	P.	1090149	60
17)	P.	1090128	60	38)	P.	1090150	60
18)	P.	1090129	60	39)	P.	1090151	60
19)	P.	1090130	60	40)	P.	1114018	60
20)	P.	1090131	60	41)	P.	1114019	60
21)	P.	1090132	60				

Total days: 2,460
==========

Hole	Feet	Claim	Cost	Days
DO-90-01	30	P.553328	$ 636.04	42.4 = 42
DO-90-02	135	P.553327	$2,862.18	190.8 = 191
DO-90-03	201	P.553332	$4,261.47	284.1 = 284
DO-90-04	211	P.553331	$4,473.48	298.2 = 298
DO-90-05	85	P.553332	$1,802.11	120.1 = 120
DO-90-06	111	P.553348	$2,353.35	156.9 = 157
DO-90-07	128	P.553347	$2,713.77	180.9 = 181
DO-90-08	65	P.553347	$1,378.09	91.9 = 92
DO-90-09	71	P.553352	$1,505.29	100.4 = 100
DO-90-10	185	P.553351	$3,922.24	261.5 = 262
DO-90-11	195	P.553335	$4,134.26	275.6 = 276
DO-90-12	140	P.553335	$2,968.19	197.9 = 198
DO-90-13	153	P.553343	$3,243.80	216.3 = 216
DO-90-14	150	P.553343	$3,180.20	212.0 = 212
DO-90-15	153	P.553343	$3,243.80	216.3 = 216
DO-90-16	122	P.553344	$2,586.56	172.4 = 172
DO-90-17	125	P.553344	$2,650.17	176.7 = 177
	2,260 feet		$47,915.00	3,194 days

Claim	Days
P.553327	191
P.553328	42
P.553331	298
P.553332	404
P.553335	474
P.553343	644
P.553344	349
P.553347	273
P.553348	157
P.553351	262
P.553352	100
	3,194

Westmin Mines Limited
Suite 1400, 25 Adelaide Street East
Toronto, Ontario, Canada
M5C 1Y2
416 364-8116 FAX: 416 364-4920

Mines Westmin Limitée
Bureau 1400, 25, rue Adelaide est
Toronto (Ontario), Canada
M5C 1Y2
(416) 364-8116 FAX: 416 364-4920

PRIORITY POST

June 25, 1990

Land Management Branch
Mining Land Section
Ministry of Northern Development and Mines
880 Bay Street, 3rd Floor
Toronto, Ontario
M5S 1Z8

Dear Sir: Re: Overburden Drilling, Lower Detour Lake Area
Completed during the month of March 1990

Please find enclosed in duplicate the above mentioned report. We would like to apply for a Special Provision Credits under Section 77 (19), of maximum allowed 60 days per claim. A form "Report of Work" has been forwarded to the District Mining Recorder Office in Timmins (copy enclosed).

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

Yours truly,

WESTMIN MINES LIMITED

Skuprejanov 2.13395

S. Kuprejanov
Administrative Geologist

SK/hmc
Encls.

FOR DEPOSIT ONLY
TO THE CRF
BRADLEY BROS. L... D

AP '90 12
C.I.B.C.
MONTREAL DATA CENTRE
MONTREAL, QUEBEC

BANK OF MONTREAL
BANQUE DE MONTRÉAL

WESTMIN

Westmin Mines Limited
Toronto, Ontario

CONTROL NO. 01342

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

WESTMIN MINES LTD. $47,914 and 80cts

DATE April 6, 1990

AMOUNT $ $47,914.80

PAY TO THE ORDER OF
Bradley Brothers Limited
98,14th Street
P.O. Box 2367
Rouyn-Noranda
Quebec
J9X 5A9

Westmin Mines Limited

⑆00040⑈001⑆ 1230⑈152⑈ ⑈0004791480⑈

BRADLEY BROS. LIMITED

APR - 2 1990

March 15, 1990

CONTRACT DIAMOND DRILLING

Westmin Mines Limited
Suite 1400 - 25 Adelaide St. East
Toronto, Ontario M5C 1Y2

Invoice No.1571-01

HOLE No.	TO COVER DIAMOND DRILLING FOR February 28 to March 15, 1990					
	FROM	TO	FOOTAGE COMPLETED			
		Detour Area				
	Mobilization of tractor				$700	00
	Mobilization of drill				1,200	00
DO-90-01	0	30	30	feet		
02	0	135	135			
03	0	201	201			
03A	0	211	211			
04	0	85	85			
05	0	111	111			
06	0	128	128			
07	0	65	65			
08	0	71	71			
09	0	185	185			
10	0	195	195			
11	0	140	140			
12	0	153	153			
13	0	150	150			
14	0	133	133			
15	0	153	153			
16	0	122	122			
17	0	65	65			
	Operating hours 110 1/2 hours			$170.00	18,785	00
				45.00	4,972	50
				170.00	935	00

CHARGE TO

ACCOUNT	SUB-SIDIARY LEDGER	SUB FEATURE	AFE.	AMOUNT	
1020	South Detour	386		47,914.	80

RECD. BY [illegible] 19 | CK'D. BY D.P.B | APP'D. FOR PAY [illegible] | 47,914.80

98, 14th STREET • P.O. BOX 2367 ROUYN-NORANDA (QUEBEC) J9X 5A9 • TEL.: (819) 797-0755 FAX: (819) 797-0916

BRADLEY BROS. LIMITED

CONTRACT DIAMOND DRILLING

March 15, 1990

Westmin Mines Limited
Suite 1400 - 25 Adelaide St. East
Toronto, Ontario M5C 1Y2

Invoice No.1571-01

HOLE No.	TO COVER DIAMOND DRILLING FOR February 28 to March 15, 1990 FROM / TO / FOOTAGE COMPLETED			
	Down the hole consumables			
	11 tricone bits	$650.00 -	$7150.00	
	3 bit subs	290.00 -	870.00	
			8020.00	
	Plus 15%		1203.00	9,223 00
	Cost to Make roads with tractor -			
	83 man hours ← should be less 5 hour due to tractor breakdown not wait for new machine		31.00	2,573 00
	83 tractor hours ←		55.00	4,565 00
	Travelling Crew -			
	14 hours X 3 men X $48.00			2,016 00
	Tractor driver			
	1 1/2 hours X $48.00			72 00
	Room & Board Crew -			
	14 days X 3 men X $40.00			1,680 00
	tractor operator			
	8 days X $40.00			320 00
	615 litres gasoline		.67	412 05
	1025 litres Kerosene		.45	461 25
				$47,914 80

98, 14th STREET • P.O. BOX 2367 ROUYN-NORANDA (QUEBEC) J9X 5A9 • TEL.: (819) 797-0755 FAX: (819) 797-0916

SUNDAY LAKE G-1677

HOPPER LAKE G-1636

ATKINSON LAKE G-1626

PROVINCE OF QUEBEC

79°45'

79°30'

50°00'

49°52'30"

CLM 234

CLM 236

CLM 239

CLM 240

2.13395

Detour Lake

Detour River

Lower Detour Lake

44 43 42 41 40 39 38 37 36 35 34 33 32 31

59 58 57 56 55 54 53

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

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

Description	Order No.	Date	Disposition	File
(A) ~~N.R.W.1/81~~		~~15/1/81~~	~~S.R.O.~~	~~1885H~~
(R2) NRO 27/85		22/7/85	S.R.O.	

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

LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES
  - TOWNSHIPS, BASE LINES, ETC.
  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" , SURFACE RIGHTS ONLY	◒
" , MINING RIGHTS ONLY	◒
LEASE, SURFACE & MINING RIGHTS	■
" , SURFACE RIGHTS ONLY	▭
" , MINING RIGHTS ONLY	▭
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	(R)
CANCELLED	⊗
SAND & GRAVEL	(S)

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1.

SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000
METRES 0 200 1000 (1 KM) 2000 (2 KM)

AREA

LOWER DETOUR LAKE

M.N.R. ADMINISTRATIVE DISTRICT

COCHRANE

MINING DIVISION

PORCUPINE

LAND TITLES / REGISTRY DIVISION

COCHRANE

Ministry of Natural Resources — Land Management Branch
Ontario

Date DECEMBER 1982

Number G-1647

200

498793

SUNDAY LAKE

TIE-ON

ML 105076

WEST OF SUNDAY LAKE

HOPPER LAKE AREA (G.1636)

SUNDAY LAKE AREA (G.1677)

LOWER DETOUR LAKE AREA (G.1647)

ML 104777

SOUTH DETOUR

DETOUR LAKE

LOWER DETOUR LAKE

NASH CREEK

ML 104778

NASH CREEK WEST

Sunday Cr.

Detour River

Detour Lake

PROVINCE OF QUEBEC
PROVINCE OF ONTARIO

79°45'

79°40'

▲14 DRILL HOLE LOCATION

2.13395

SCALE

6336 3168 0 3168 6336 9504 metres

INDEX MAP

ONTARIO

QUEBEC

LAKE SUPERIOR

DETOUR PROPERTY

MICHIGAN

LAKE HURON

SCALE 1":100 Miles

32E13NE0004 2.13395 LOWER DETOUR LAKE

WESTMIN EXPLORATION LTD

1990 OVERBURDEN DRILLING
SOUTH DETOUR
SUNDAY LAKE
TIE-ON
NASH CREEK

Ontario

32-E-13
32-L-4

DATE: MARCH, 1990

SCALE 1:31,680