

DIAMOND DRILLING

AREA: LOWER DETOUR LAKE

REPORT NO: 41

WORK PERFORMED FOR: Westmin Exploration Ltd.

RECORDED HOLDER: Same as Above [xx]
: Other []

<u>Claim No.</u>	<u>Hole No.</u>	<u>Footage</u>	<u>Date</u>	<u>Note</u>
P 553332	D-89-48	160.0m	Feb/89	(1)
P 553477	D-89-49	176.3m	Feb/89	(1)
P 868264	D-89-50	119.0m	Feb/89	(1)
	D-89-50A	169.3m	Feb/89	(1)
P 868266	D-89-51A	173.0m	Feb/89	(1)
P 868270/ 868273	D-89-52	151.0m	Feb/89	(1)
	<u>26</u>	4052.6 m		

NOTES: (1) W8906-220, date filed June/89
W8906-238, date filed June/89
W8906-240, date filed June/89



32E13NE0010 41 LOWER DETOUR LAKE

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DIAMOND DRILLING

AREA: LOWER DETOUR LAKE

REPORT NO: 41

WORK PERFORMED FOR: Westmin Exploration Ltd.

RECORDED HOLDER: Same as Above [xx]
: Other []

<u>Claim No.</u>	<u>Hole No.</u>	<u>Footage</u>	<u>Date</u>	<u>Note</u>
P 553473	D-89-22	200.0m	Jan/89	(1)
P 553343	D-89-23	152.0m	Jan/89	(1)
P 553344	D-89-24	149.0m	Jan/89	(1)
P 553335	D-89-25	203.0m	Jan/89	(1)
P 553324	D-89-26	152.0m	Jan/89	(1)
P 553304	D-89-27	162.0m	Jan/89	(1)
	D-89-28	160.0m	Jan/89	(1)
P 553555	D-89-29	161.0m	Jan/89	(1)
	D-89-30	161.0m	Jan/89	(1)
	D-89-31	155.0m	Jan/89	(1)
P 553535	D-89-32	134.0m	Jan/89	(1)
P 553429	D-89-33	153.0m	Jan/89	(1)
P 553431	D-89-34	149.0m	Jan/89	(1)
P 553444	D-89-41	146.0m	Feb/89	(1)
P 553505	D-89-42	149.0m	Feb/89	(1)
P 553506	D-89-43	164.0m	Feb/89	(1)
P 553513	D-89-44	134.0m	Feb/89	(1)
P 553526	D-89-45	137.0m	Feb/89	(1)
P 553531	D-89-46	143.0m	Feb/89	(1)
P 553547	D-89-47	140.0m	Feb/89	(1)

NOTES: (1) W8906-220, date filed June/89
W8906-238, date filed June/89
W8906-240, date filed June/89

.../2

Page: 1
 Co-ords: 725N 9500 E
 Az : 180.0
 Dip: -50.0
 Length: 200.0
 Core Size: BQ
 Purpose: TEST PARACONGLOMERATE UNIT

WESTMIN RESOURCES LIMITED
 DIAMOND DRILL RECORD

PROPERTY: SOUTH DETOUR CLAIMS
 HOLE NO.: D-89-22

Date Started: 19/01/89
 Date Completed: 21/01/89
 Date Logged: 23/01/89
 Logged by: P.R.J.N.

Dip Tests

Depth Az. Dip
 200.00 180.0 -41.0

from to
 (m) (m)

Sample from to Length Au
 No. (m) (m) (m) ppb

Paul R. J. Nicholls

.0 43.2 OVERBURDEN AND CASING

43.2 86.0 MAFIC FLOW OR TUFF

Fine to medium grained well foliated at 60 to 70 degrees to core axis	79001	47.0	48.2	1.2
medium to dark green chlorite amphibole unit with up to 10 % white calcite as thin veins, locally laminated.	79002	53.5	54.5	1.0
47.0 48.2 : unit friable and micaceous, a 10 cm quartz vein between 47.5 and 47.6.	79003	54.5	55.5	1.0
48.2 50.0 : lost core.	79004	64.0	65.0	1.0
50.0 52.2 : minor broken sections.	79005	65.0	66.0	1.0
52.2 53.0 : lost core.	79006	66.0	67.0	1.0
53.7 54.1 : 10 to 20 % milky white quartz calcite veins.	79007	67.0	68.0	1.0
54.9 55.6 : calcite leached core broken and friable.	79008	68.0	69.0	1.0
64.0 65.0 : calcite leached core broken	79009	69.0	70.0	1.0
67.0 73.1 : 5 to 10 % white quartz calcite veins up to 2 cm at various angles to degrees to core axis.	79010	70.0	71.0	1.0
73.1 86.1 : possibly more tuffaceous, minor quartz tourmaline veins at 80.3.	79011	71.0	72.0	1.0
	79012	72.0	73.0	1.0
	79013	80.0	81.0	1.0

86.0 110.2 MAFIC VOLCANIC FLOW

Fine grained massive medium green flow, 10 % calcite in matrix, 5 % calcite as veins, minor quartz veins, trace epidote, unit is magnetic.	79014	101.0	102.0	1.0
101.0 105.0 : trace quartz veins with minor sulphides.	79015	102.0	103.0	1.0
107.0 110.2 : trace fragments, banded with thin banded magnetite sections at 107.0 and 110.0 (4cm).	79016	103.0	104.0	1.0
	79017	104.0	105.0	1.0
	79018	105.0	106.0	1.0
	79019	106.0	107.0	1.0
	79020	107.0	108.0	1.0
	79021	108.0	109.0	1.0
	79022	109.0	110.0	1.0
	79023	110.0	111.0	1.0

110.2 114.4 FELSIC INTRUSIVE

Fine grained light grey to pink quartz feldspar rock with trace biotite, massive.	79024	111.0	112.0	1.0
	79025	112.0	113.0	1.0
	79026	113.0	114.0	1.0



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WESTMIN RESOURCES LIMITED
HOLE NO.: D-89-22

from (m)	to (m)		Sample No.	from (m)	to (m)	Length (m)	Au ppb
		110.2 110.7 : trace quartz eye , trace quartz tourmaline veins with pyrite.	79027	114.0	115.0	1.0	
		110.7 111.3 : Mafic Flow or Tuff with 10 % grey white quartz veins with minor calcite.					
		111.3 114.4 : massive pink with trace quartz eye up to 2 mm.					
114.4	125.7	INTERMEDIATE TUFF					
		Fine grained medium grey to green unit with mafic fragments , sections of Paraconglomerate , locally bands of magnetite.	79028	115.0	116.0	1.0	
			79029	116.0	117.0	1.0	
			79030	117.0	118.0	1.0	
			79031	118.0	119.0	1.0	
		114.4 116.0 : unit is lighter grey bleached , contain minor sections of felsic Intrusive sericite and trace pyrite , white quartz vein between 115.6 and 115.7.	79032	119.0	120.0	1.0	
			79033	120.0	121.0	1.0	
			79034	121.0	122.0	1.0	
			79035	122.0	123.0	1.0	
			79036	123.0	124.0	1.0	
		116.0 125.0 : light grey unit interbanded with Paraconglomerate , magnetite in bands , trace quartz veins , and up to 5 % pyrite disseminated core broken between 119.0 and 122.0 , banding at 70 degrees to core axis.	79037	124.0	125.0	1.0	
			79038	125.0	126.0	1.0	
		125.0 125.7 : 40 % quartz veining , trace pyrite , calcite , grey and pink dolomite and trace tourmaline ?.					
125.7	178.2	PARACONGLOMERATE					
		Fine to medium grained medium green matrix with 30 to 40 % clasts up to 2 cm thick and aligned at 60 to 70 degrees to core axis , trace disseminated magnetite.	79039	126.0	127.0	1.0	
			79040	129.5	130.5	1.0	
			79041	135.5	136.0	.5	
			79042	140.0	141.0	1.0	
			79043	148.0	149.0	1.0	
		At 172.3 a 10 cm section with quartz calcite vein containing tourmaline pyrite and dolomite.	79044	152.5	153.5	1.0	
			79045	153.5	154.5	1.0	
			79046	159.5	160.5	1.0	
		125.7 130.0 : unit moderately magnetic , at 130.0 a 2 cm white quartz vein with pyrite and trace green mica at 135.8 a 1 mm quartz vein at 70 degrees to core axis , at 141.5 a 10 cm zone with quartz veining , tourmaline and pyrite.	79047	168.5	169.5	1.0	
			79048	172.0	172.5	.5	
			79049	172.5	173.5	1.0	
			79050	173.5	174.5	1.0	
		148.6 148.7 : pink altered zone trace quartz veins with pyrite and trace tourmaline.					
		152.5 154.5 : trace pink alteration , quartz veins with pyrite and minor tourmaline at 159.7 , 160.3 and 169.1 , 3 cm sections with vuggy quartz vein with pyrite and trace tourmaline ?.					
		173.0 174.5 : core broken , minor					

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WESTMIN RESOURCES LIMITED
HOLE NO.:D-89-22from to
(m) (m)Sample from to Length Au
No. (m) (m) (m) ppb

quartz vein.

178.2 192.3 FELDSPAR PORPHYRY

Fine grained medium grey to pink matrix with 20 % white feldspar phenocrysts up to 1.5 mm.

178.2 179.8 : pink with trace to 5 % quartz veins and trace tourmaline.

181.0 182.0 : quartz calcite veins , 10 % of section , trace tourmaline and pyrite.

190.3 192.3 : grey and pink Feldspar Porphyry with 5 mm quartz tourmaline vein at 190.3.

79051 181.0 182.0 1.0

192.3 200.0 MAFIC FLOW OR TUFF

Fine grained medium green grey foliated unit with foliation at 60 to 70 to degrees to core axis , minor fragmental sections , trace calcite at 197.1 a 2 cm section of Feldspar Porphyry with blue quartz eye and trace pyrite.

199.6 199.8 : section of Paraconglomerate , at 200.0 END OF HOLE

79052 196.6 197.3 .5

Page: 1
 Co-ords: 770N 9000 E
 Az: : .0
 Dip: -50.0
 Length: 152.0
 Core Size: BQ
 Purpose: TEST WEAK CONDUCTOR

WESTMIN RESOURCES LIMITED
 DIAMOND DRILL RECORD

PROPERTY: SOUTH DETOUR CLAIMS
 HOLE NO.: D-89-23

Date Started: 21/01/89
 Date Completed: 23/01/89
 Date Logged: 24/01/89
 Logged by: PRJN

Dip Tests
 Depth Az. Dip
 150.00 .0 -49.0

from to
 (m) (m)

Sample from to Length Au
 No. (m) (m) (m) ppb

.0 71.0 OVERBURDEN AND CASING

71.0 77.3 OXIDIZED ROCK AND CLAY

Fine grained yellow brown limonitic
 rock and clay, possibly altered and
 weathered Mafic Volcanic Flow, trace
 quartz vein, core broken.
 75.9 77.0 : lost core.

79053	71.0	72.0	1.0
79054	72.0	73.0	1.0
79055	73.0	74.0	1.0
79056	74.0	75.0	1.0
79057	75.0	75.9	.9
79058	77.0	78.3	1.3

77.3 85.0 MAFIC VOLCANIC FLOW

Similar to 71.0 to 77.3, more green
 in colour, trace quartz veining.
 78.3 80.0 : lost core.
 82.0 83.0 : lost core.

79059	80.0	81.0	1.0
79060	81.0	82.0	1.0
79061	83.0	84.0	1.0
79062	84.0	85.0	1.0

85.0 92.2 MAFIC VOLCANIC FLOW

Fine grained medium green rock
 foliated at 50 to 60 degrees to core
 axis, trace to 5% calcite in
 fractures and in matrix, trace pyrite
 , core broken, 90% recovery.
 90.8 91.1 : rock hematitic.

79063	85.0	86.0	1.0
79064	86.0	87.0	1.0
79065	87.0	88.0	1.0
79066	88.0	89.0	1.0
79067	89.0	90.0	1.0
79068	90.0	91.0	1.0
79069	91.0	92.0	1.0
79070	92.0	93.0	1.0

92.2 93.8 FELDSPAR PORPHYRY

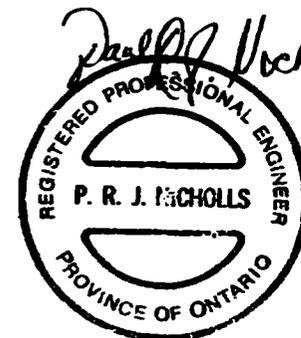
Fine to medium grained grey matrix
 with 10% irregular feldspars, trace
 grey anhedral quartz, trace
 disseminated pyrite and minor quartz
 and tourmaline veining.

79071	93.0	94.0	1.0
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93.8 115.3 MAFIC VOLCANIC FLOW

Fine grained massive to foliated at 50
 degrees to core axis, medium green,
 trace pyrite, 5% calcite as
 irregular veins and bands.
 94.5 95.1 : unit vuggy and core broken.
 95.1 101.0 : 5% quartz calcite veins

79072	94.0	95.0	1.0
79073	95.0	96.0	1.0
79074	96.0	97.0	1.0
79108	97.0	98.0	1.0
79075	98.0	99.0	1.0
79076	99.0	100.0	1.0



Page: 1
 Co-ords: 960N 8700 E
 Azi : 180.0
 Dip: -50.0
 Length: 149.0
 Core Size: BQ
 Purpose: Test Paraconglomerate

WESTMIN RESOURCES LIMITED
 DIAMOND DRILL RECORD

PROPERTY: SOUTH DETOUR CLAIMS
 HOLE NO.: D-89-24

Date Started: 20/01/89
 Date Completed: 21/01/89
 Date Logged: 24/01/89
 Logged by: PRJN

Dip Tests
 Depth Az. Dip
 149.00 180.0 -50.0
 from to
 (m) (m)

Sample from to Length Au
 No. (m) (m) (m) ppb

.0 62.0 OVERBURDEN AND CASING

62.0 128.3 MAFIC VOLCANIC FLOW

Fine grained massive to foliated at 50 degrees to core axis, medium green flow, up to 5 % calcite in matrix and in fracture and veins up to 2 cm, trace disseminated magnetite.

62.0 65.0 : 60 % core recovery, trace to 10 % quartz calcite veins.

67.0 68.0 : 10 % quartz calcite veins with minor magnetite.

68.0 74.0 : 10 % quartz calcite veins with trace pyrite and epidote, veins up to 4 cm, at 73.1 a 0.3 meters seam, no core.

81.4 83.8 : 10 % quartz calcite veins with trace pyrite.

83.8 90.5 : trace to 5 % calcite and quartz veins.

90.5 107.0 : unit banded possibly a tuff with bands of magnetite, banding at 40 degrees to core axis, trace veining.

107.0 128.3 : massive to banded, trace to 5 % disseminated magnetite crystals up to 0.5 mm trace to 5 % quartz calcite veins at 107.0 - 110.0, 113.0, and 115.0 - 116.0.

79089	62.0	63.0	1.0
79090	63.0	65.0	2.0
79091	67.0	68.0	1.0
79092	68.0	69.0	1.0
79093	69.0	70.0	1.0
79094	70.0	71.0	1.0
79095	71.0	72.0	1.0
79096	72.0	73.0	1.0
79097	73.0	74.0	1.0
79098	107.0	108.0	1.0
79099	108.0	109.0	1.0
79100	109.0	110.0	1.0
79101	112.5	113.5	1.0

128.3 134.1 FELDSPAR PORPHYRY

Fine to medium grained pink and grey quartz feldspar matrix with 20 % white feldspar phenocryst up to 2 mm, trace disseminated pyrite, trace quartz eye at 133.2 a 1 cm calcite quartz vein with tourmaline ? at 30 degrees to core axis.

79102	132.0	132.5	.5
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134.1 149.0 MAFIC VOLCANIC FLOW

Similar to above, massive to banded, magnetic, trace to 5 % calcite veins.

79103	141.5	142.5	1.0
79104	142.5	143.5	1.0



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WESTMIN RESOURCES LIMITED
HOLE NO.:D-89-24

from (m)	to (m)		Sample No.	from (m)	to (m)	Length (m)	Au ppb
	141.5	146.5 : up to 10 % quartz	79105	143.5	144.5	1.0	
		calcite veins with trace pyrite , at	79106	144.5	145.5	1.0	
	149.0	END OF HOLE.	79107	145.5	146.5	1.0	

Page: 1
 Co-ords: 950N 8200 E
 Azi : 180.0
 Dip: -50.0
 Length: 203.0
 Core Size: BQ
 Purpose: Test Paraconglomerate

WESTMIN RESOURCES LIMITED
 DIAMOND DRILL RECORD

PROPERTY: SOUTH DETOUR CLAIMS
 HOLE NO.: D-89-25

Date Started: 22/01/89
 Date Completed: 24/01/89
 Date Logged: 25/01/89
 Logged by: E.M.

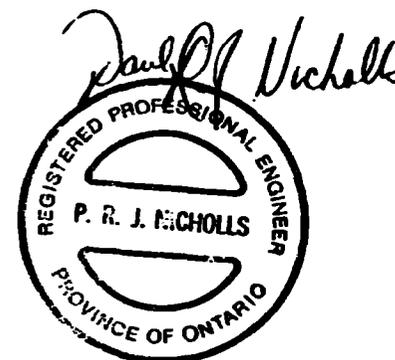
Dip Tests
 Depth Az. Dip
 203.00 180.0 -38.0

from	to	Sample No.	from (m)	to (m)	Length (m)	Au ppb
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.0 59.0 OVERBURDEN AND CASING

59.0 175.6 MAFIC FLOW OR TUFF

Mafic flow/tuff dark green, fine to medium grain with 80 to 90 % chloritic amphibole ground mass.	79111	59.0	60.0	1.0
Approximately 10% fine grained calcite in matrix and in numerous veins at 40 30 degrees to core axis.	79112	60.0	61.0	1.0
2 to 3 % altered calcite veining in upper section of unit.	79113	61.0	62.0	1.0
At 84.75 : 20 cm brecciated section with approximately 5% epidote and numerous fractures at 20 degrees to core axis.	79114	62.0	63.0	1.0
59.0 62.3 : fe stained quartz carbonate veins approximately 2 % , trace medium grained, euhedral pyrite.	79115	63.0	64.0	1.0
62.3 65.3 : section with trace disseminated euhedral pyrite grains (2-3mm) and 10 to 15% 5 to 10 mm quartz calcite veins.	79116	64.0	65.0	1.0
65.3 65.7 : 80% quartz calcite veins with approximately 10% acicular chlorite 35 degrees to core axis in vein, trace very fine subhedral pyrite	79117	65.0	66.0	1.0
65.7 66.7 : section with 5% subangular 5 to 10 mm calcite clasts, trace pyrite.	79118	66.0	67.0	1.0
66.7 68.0 : trace subhedral 2 to 5 mm pyrite grains.	79119	67.0	68.0	1.0
68.0 68.1 : quartz calcite vein with approximately 10% calcite.	79120	68.0	69.0	1.0
68.1 68.8 : section with lenticular calcite approximately 10 to 15%.	79121	69.0	70.0	1.0
68.9 74.6 : approximately 10 % quartz carbonate veins and trace to 1% 5 to 10 mm calcite clasts.	79122	70.0	71.0	1.0
74.6 74.6 : quartz calcite stringers with 1 to 2% very fine grained disseminated pyrite.	79123	71.0	72.0	1.0
74.6 77.6 : section with trace subhedral pyrite in matrix, 2 to 3 mm in diameter.	79124	72.0	73.0	1.0
	79125	73.0	74.0	1.0
	79126	74.0	75.0	1.0
	79127	75.0	76.0	1.0
	79128	76.0	77.0	1.0
	79129	77.0	78.0	1.0
	79130	78.0	79.0	1.0
	79131	79.0	80.0	1.0
	79132	80.0	81.0	1.0
	79133	81.0	82.0	1.0
	79134	82.0	83.0	1.0
	79135	83.0	84.0	1.0
	79136	84.0	85.0	1.0
	79137	85.0	86.0	1.0
	79138	86.0	87.0	1.0
	79139	87.0	88.0	1.0
	79140	88.0	89.0	1.0
	79141	89.0	90.0	1.0
	79142	90.0	91.0	1.0
	79256	91.0	92.0	1.0
	79143	92.0	93.0	1.0
	79144	93.0	94.0	1.0
	79255	94.0	95.0	1.0
	79145	95.0	96.0	1.0
	79146	96.0	97.0	1.0
	79147	97.0	98.0	1.0
	79148	98.0	99.0	1.0
	79149	99.0	100.0	1.0



from (m)	to (m)	Sample No.	from (m)	to (m)	Length (m)	Au ppb
77.6	80.3	79150	137.0	138.0	1.0	
: section of 30 to 40% brecciated quartz calcite veins with 1 to 2% fine grained subhedral pyrite in veins and disseminated in wall rock.		79151	138.0	139.0	1.0	
Trace to 1% pyrrhotite in strataform lenses.		79152	142.0	143.0	1.0	
		79153	143.0	144.0	1.0	
		79154	144.0	145.0	1.0	
		79155	148.0	149.0	1.0	
80.3	80.4	79156	149.0	150.0	1.0	
: trace chalcopyrite in blebs 2 to 5 mm along brecciated quartz calcite vein wallrock contact.		79157	150.0	151.0	1.0	
		79158	151.0	152.0	1.0	
80.4	81.2	79159	156.0	157.0	1.0	
: similar to 68.87 74.55.		79160	157.0	158.0	1.0	
81.2	81.4	79161	158.0	159.0	1.0	
: section with banded pyrite approximately 10% , pyrrhotite 10% and possible hematite alteration approximately 5%.		79162	161.0	162.0	1.0	
		79163	162.0	163.0	1.0	
81.4	82.7	79164	163.0	164.0	1.0	
: similar to 68.87 74.55.		79165	164.0	165.0	1.0	
82.7	85.1	79166	165.0	166.0	1.0	
: approximately 15% quartz calcite veins with trace disseminated pyrite , trace epidote and trace black biotite at 84.70.		79167	166.0	167.0	1.0	
		79168	167.0	168.0	1.0	
85.1	89.2	79169	168.0	169.0	1.0	
: unit more fine grained and massive with less calcite.		79170	169.0	170.0	1.0	
89.2	89.4	79171	170.0	171.0	1.0	
: trace to 1% disseminated subhedral 3 to 5 mm pyrite in section with 50% quartz calcite veins at 30 degrees to core axis.		79172	171.0	172.0	1.0	
		79173	172.0	173.0	1.0	
		79174	173.0	174.0	1.0	
89.4	94.3	79175	174.0	175.0	1.0	
: similar to 85.05 89.20 , at 94.35 chalcopyrite.		79176	175.0	176.0	1.0	
94.4	95.2					
: trace thin veins of possibly brown sphalerite.						
95.2	102.1					
: similar to 85.05 89.20 with trace to 2% epidote.						
102.1	102.3					
: quartz carbonate veins 30 degrees to core axis , 5 to 10% black fine grained biotite with chloritic amphibole bands containing approximately 5% pyrite along vein contact.						
102.3	105.7					
: trace pyrite in lenses , trace epidote approximately 10% quartz calcite veins.						
105.7	115.9					
: more tuffaceous character , less calcite content, approximately 10% as fine grained matrix component.						
115.9	117.6					
: approximately 20% quartz calcite veins at 10 degrees to core axis with reddish-pink alteration along vein contact , approximately 5% epidote , numerous fractures.						
117.6	119.0					
: similar to 105.7 115.9.						
119.0	122.5					
: approximately 15% quartz calcite veins with trace disseminated pyrite. Approximately 2 to 3 % 3 to 5 mm calcite clasts between 121.20 121.50						
122.5	130.6					
: more massive , fine grained , trace epidote approximately						

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WESTMIN RESOURCES LIMITED
HOLE NO.:D-89-25from to
(m) (m)Sample from to Length Au
No. (m) (m) (m) ppb

5% quartz calcite veins with trace fine grained black biotite.

Crenulation cleavage towards end of section.

130.6 138.2 : approximately 20% quartz calcite vein with trace disseminated pyrite , trace to 2% pyrrhotite in stringers with trace black biotite in veins.

138.2 142.1 : similar to 122.50 130.56 darker green , more fine grained.

142.1 142.4 : section of 4 to 5 cm thick quartz calcite veins , trace epidote , trace fine disseminated pyrite.

142.4 144.2 : similar to 138.2 142.13.

144.2 145.0 : 20% quartz calcite veins , 2 to 3 cm thick containing trace fine grained , disseminated pyrite and pyrrhotite.

145.0 148.1 : similar to 138.2 142.13.

148.1 150.5 : trace pyrite disseminated in ribboned quartz calcite veins at 30 degrees to core axis , trace epidote.

151.8 152.0 : similar to above.

152.0 156.5 : similar to 145.0 148.10.

156.5 158.2 : section containing approximately 15% 1 to 3 cm quartz calcite veins with trace disseminated pyrite.

161.0 161.4 : section with deformed stringers containing 1 to 2 % disseminated fine grained pyrite.

161.4 167.1 : similar to 138.2 142.13 with trace 3 to 10 mm calcite epidote garnets and approximately 10% thin calcite stringers. Trace lensitic pyrite at 165.5 167.0.

167.0 168.4 : 15 cm quartz carbonate vein with epidote at 30 degrees to core axis. Trace disseminated pyrite and ribboned quartz calcite veins. Trace to 1% lensitic and medium to coarse grained pyrite.

168.4 170.1 : trace pyrite in lensitic.

170.1 175.6 : section with approximately 30 % chloritic inclusions , trace to 1% pyrite , trace epidote.

175.6 184.7 SULPHIDE FACIES IRON FORMATION

Banded section containing up to 10 cm thick sequences of alternating bands of quartz , calcite , pyrite , brown

79177 176.0 177.0 1.0
79178 177.0 178.0 1.0
79179 178.0 179.0 1.0

Page: 4

WESTMIN RESOURCES LIMITED
HOLE NO.:D-89-25

from (m)	to (m)		Sample No.	from (m)	to (m)	Length (m)	Au ppb
		biotite , chlorite. Up to 10% sulphides in some sections.	79180	179.0	180.0	1.0	
		Bands at 30 degrees to core axis , trace disseminated anhedral pyrrhotite.	79181	180.0	181.0	1.0	
			79182	181.0	182.0	1.0	
			79183	182.0	183.0	1.0	
			79184	183.0	184.0	1.0	
			79185	184.0	185.0	1.0	
184.7	203.0	MAFIC VOLCANIC FLOW					
		Gradational contact , similar to previous.	79186	187.0	188.0	1.0	
		184.7 187.2 : similar to 145.0 148.10.	79187	190.0	191.0	1.0	
		187.2 187.4 : quartz calcite vein with trace disseminated pyrite.	79188	196.0	197.0	1.0	
			79189	197.0	198.0	1.0	
		187.4 190.3 Similar to 184.7 187.2 with 20% quartz calcite veins.	79190	198.0	199.0	1.0	
			79191	199.0	200.0	1.0	
		190.3 191.0 Quartz calcite vein containing approximately 10% chloritic inclusions , 2 to 3% epidote , trace pyrite.	79192	200.0	201.0	1.0	
			79193	201.0	202.0	1.0	
		191.0 196.4 : more massive , less quartz calcite veins.	79194	202.0	203.0	1.0	
		196.4 198.1 : section with quartz calcite bands up to 1 cm thick , trace stratiform pyrite , trace to 1% pyrrhotite locally , subhedral and 3 to 7 mm in diameter.					
		198.1 203.0 Massive fine grained with approximately 1% quartz calcite veins. Trace to 1% disseminated pyrite in wallrock. Approximately 2 to 3% chloritic inclusions in veins possible hematite staining in vein at 200.65 , trace epidote END OF HOLE.					

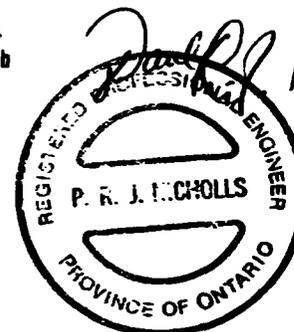
Page: 1
 Co-ords: 960N 7700 E
 Az. : 180.0
 Dip: -50.0
 Length: 152.0
 Core Size: BQ
 Purpose: Test Paraconglomerate

WESTMIN RESOURCES LIMITED
 DIAMOND DRILL RECORD

PROPERTY: SOUTH DETOUR CLAIMS
 HOLE NO.: D-89-26

Date Started: 23/01/89
 Date Completed: 24/01/89
 Date Logged: 28/01/89
 Logged by: E.H.

Dip Tests						
Depth	Az.	Dip				
152.00	180.0	-50.0				
from	to	Sample	from	to	Length	Au
(m)	(m)	No.	(m)	(m)	(m)	ppb
.0	55.2	OVERBURDEN AND CASING				
		Cored till from 43.85 to 55.15.	79386	55.1	56.0	.9
55.2	55.6	QUARTZ FELDSPAR PORPHYRY				
		60 to 70 % light to medium grey matrix, 25 to 30 % quartz, feldspar, calcite, clasts, pale to milky white in colour.				
		Approximately 5 % lepidoblastic green black mineral up to 5 mm in length possibly biotite trace fine grained pyrite disseminated and in fractures foliated at 15 degrees to core axis 2% 1 thin quartz calcite veins with disseminated pyrite in vein and medium grained subhedral crystals along contact.				
55.6	152.0	MAFIC FLOW OR TUFF				
		Medium to dark green, fine to medium grained matrix approximately 60 to 80 % , 20 to 30 % fine to medium grained calcite, sections of abundant quartz calcite veins, trace pyrite locally. Sharp contact at 30 degrees to core axis, foliated at 30 degrees to core axis.	79387	56.0	57.0	1.0
		55.6 57.0 : section with contorted quartz veins, concordant at 30 degrees to core axis discordant at 60 degrees to core axis. 1 to 2 % tourmaline in rims, trace disseminated magnetite, trace disseminated pyrite foliated at 15 to 30 degrees to core axis with numerous microfolds.	79388	67.0	68.0	1.0
		57.0 67.3 : less calcite stringers approximately 1 % , locally trace disseminated pyrite in mafics.	79389	68.0	69.0	1.0
		67.3 69.6 : section with approximately 10 % quartz calcite and quartz carbonate veins possible yellow-brown carbonate alteration. Veins at 30 degrees to core axis, trace pyrite in	79390	69.0	70.0	1.0
			80494	70.0	71.0	1.0
			80495	71.0	72.0	1.0
			80496	72.0	73.0	1.0
			80497	73.0	74.0	1.0
			79391	74.0	75.0	1.0
			79393	75.0	76.0	1.0
			79394	76.0	76.9	.9
			80498	76.9	78.0	1.1
			79395	78.0	79.0	1.0
			80499	79.0	80.0	1.0
			80500	80.0	81.0	1.0
			80501	81.0	82.0	1.0
			80502	82.0	83.0	1.0
			80503	83.0	84.0	1.0
			80504	84.0	85.0	1.0
			80505	85.0	86.0	1.0
			80506	86.0	87.0	1.0
			80507	87.0	88.0	1.0
			80508	88.0	89.0	1.0
			79396	89.0	90.0	1.0



from (m)	to (m)	Sample No.	from (m)	to (m)	Length (m)	Au ppb
		79397	90.0	91.0	1.0	
		79398	91.0	92.0	1.0	
		79399	92.0	93.0	1.0	
		79400	93.0	94.0	1.0	
		79401	94.0	95.0	1.0	
		79402	95.0	96.0	1.0	
		79403	96.0	97.0	1.0	
		79404	97.0	98.0	1.0	
		79405	98.0	99.0	1.0	
		79406	103.0	104.0	1.0	
		79407	104.0	105.0	1.0	
		79408	105.0	106.0	1.0	
		79409	106.0	107.0	1.0	
		79410	110.0	111.0	1.0	
		79411	111.0	112.0	1.0	
		79412	112.0	113.0	1.0	
		79413	113.0	114.0	1.0	
		79414	114.0	115.0	1.0	
		79415	115.0	116.0	1.0	
		79416	116.0	117.0	1.0	
		79417	120.0	121.0	1.0	
		79418	121.0	122.0	1.0	
		79419	124.0	125.0	1.0	
		79420	125.0	126.0	1.0	
		79421	126.0	127.0	1.0	
		79422	127.0	128.0	1.0	
		79423	130.0	131.0	1.0	
		79424	131.0	132.0	1.0	
		79425	139.0	140.0	1.0	
		79426	140.0	141.0	1.0	
		79427	141.0	142.0	1.0	
		79428	142.0	143.0	1.0	
		79429	143.0	144.0	1.0	
		79430	144.0	145.0	1.0	
		79431	145.0	146.0	1.0	
		79432	146.0	147.0	1.0	
		79433	150.5	152.0	1.5	

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WESTMIN RESOURCES LIMITED
HOLE NO.: D-89-26from to
(m) (m)Sample from to Length Au
No. (m) (m) (m) ppb

pyrite trace bedded magnetite at 45 degrees to core axis.

121.8 124.8 : fine grained section, 2 to 3% thin quartz calcite veins and calcite stringers, no sulphides.

124.8 127.7 : section with approximately 15 % thick quartz calcite veins (4-6 cm), trace fine disseminated pyrite, trace granular epidote and trace black elongate mineral possible tourmaline along contacts.

127.7 130.8 : similar to 121.8 124.8, no boudins.

130.8 131.9 : section with approximately 25 % 3 to 15 cm thick quartz calcite veins at 45 degrees to core axis, trace black biotite, pyrite and epidote. Trace fine grained disseminated subhedral pyrrhotite.

131.9 138.2 : larger grain size, less veining, approximately 1% quartz calcite eyes or clasts.

138.0 145.6 : 10 to 15% quartz calcite veins with approximately 1% equigranular epidote, 2 to 3 % black biotite, trace lensitic pyrite, possible trace tourmaline boudinaged section between 145.0 to 145.4 with biotite chlorite rims.

145.6 150.5 : larger grained section, no sulphides.

150.0.5 152.0 : approximately 5 % quartz calcite veins with 5 to 7% granular epidote, trace pyrite in wall rock, subhedral in fine disseminations

END OF HOLE.

Page: 1
 Co-ords: 1050N 7200 E
 Az.: .0
 Dip: -50.0
 Length: 162.0
 Core Size: BQ
 Purpose: Test Paraconglomerate

WESTMIN RESOURCES LIMITED
 DIAMOND DRILL RECORD

PROPERTY: SOUTH DETOUR CLAIMS
 HOLE NO.: D-89-27

Date Started: 24/01/89
 Date Completed: 25/01/89
 Date Logged: 26/01/89
 Logged by: PRJN

Dip Tests
 Depth Az. Dip
 162.00 .0 -46.0
 from to
 (m) (m)

Sample from to Length Au
 No. (m) (m) (m) ppb

.0 54.9 OVERBURDEN AND CASING

54.9 66.0 FELDSPAR PORPHYRY

Fine to medium grained grey to pink quartz feldspar matrix with up to 15 % grey to pink feldspar phenocrysts, core broken, trace to 2 % quartz thin tourmaline and or quartz veins locally with pyrite, trace epidote and rusty sections, trace disseminated pyrite, trace grey quartz eye.

79195	54.9	56.0	1.1
79196	56.0	57.0	1.0
79197	57.0	58.0	1.0
79198	58.0	59.0	1.0
79199	59.0	60.0	1.0
79200	60.0	61.0	1.0
79201	61.0	62.0	1.0
79202	62.0	63.0	1.0
79203	63.0	64.0	1.0
79204	64.0	65.0	1.0
79205	65.0	66.0	1.0

66.0 90.9 MAFIC FLOW OR TUFF

Fine to medium grained medium green massive to foliated unit, foliation at 30 to 40 degrees to core axis, up to 10 % calcite as bands along the foliation or in fractures, trace disseminated magnetite, unit is weakly magnetic.
 66.0 69.0 : core broken, trace pyrite, 20 % core recovery.
 71.0 72.0 : trace to 2 % white quartz calcite vein at 30 degrees to core axis, at 75.9 a 3 cm grey quartz calcite vein with trace pyrite at 30 degrees to core axis.
 83.0 84.0 : trace to 2 % white quartz calcite veins.
 87.0 90.9 : trace quartz calcite veins with pyrite in vein at 90.9.

79206	66.0	69.0	3.0
79207	71.0	72.0	1.0
79208	75.5	76.5	1.0
79209	83.0	84.0	1.0
79210	84.0	85.0	1.0
79211	85.0	86.0	1.0
79212	86.0	87.0	1.0
79213	87.0	88.0	1.0
79214	88.0	89.0	1.0
79215	89.0	90.0	1.0
79216	90.0	91.0	1.0

90.9 100.2 FELDSPAR PORPHYRY

Fine to medium grained pink grey matrix with up to 15 % feldspar phenocryst subhedral to irregular, trace disseminated pyrite.
 90.9 92.9 : grey Feldspar Porphyry with trace to 2 % white quartz veins

79217	91.0	92.0	1.0
79218	92.0	93.0	1.0
79219	93.0	94.0	1.0
79220	94.0	95.0	1.0
79221	95.0	96.0	1.0
79222	96.0	97.0	1.0



Page: 3

WESTMIN RESOURCES LIMITED
HOLE NO.:D-89-27

from (m)	to (m)	Sample No.	from (m)	to (m)	Length (m)	Au ppb
	ca quartz vein with trace pyrite and tourmaline at 122.0.	79239	128.5	129.5	1.0	
		79240	129.5	130.5	1.0	
	122.0 123.0 : trace quartz and tourmaline veining.	79241	130.5	131.5	1.0	
		79242	131.5	132.5	1.0	
	123.0 125.9 : 2 to 5 % quartz tourmaline calcite veining.	79243	132.5	133.5	1.0	
	125.9 126.2 : 20 % quartz calcite tourmaline veining trace pyrite , veins locally vuggy , at 0 to 30 degrees to core axis.					
	126.2 130.3 : trace veining.					
	130.3 131.1 : Mafic Flow or Tuff similar to above.					
	131.1 133.4 : trace calcite veining.					
133.4	162.0 PARACONGLOMERATE					
	Similar to above , 15 to 30 % clasts , trace disseminated magnetite , foliated at 50 degrees to core axis , trace disseminated pyrite.	79244	133.5	135.0	1.5	
		79245	135.0	136.0	1.0	
		79246	136.0	137.0	1.0	
		79247	137.0	138.0	1.0	
	135.0 138.0 : 5 % quartz calcite veins minor sulphides.	79248	138.0	139.0	1.0	
		79249	144.4	145.5	1.1	
	138.0 138.9 : fine grained felsic intrusive , pillowed flow grey quartz feldspar rock , 5 to 10 % quartz	79250	145.5	146.5	1.0	
		79251	146.5	147.5	1.0	
		79252	147.5	148.5	1.0	
		79253	150.0	150.5	.5	
		79254	157.0	158.0	1.0	
	138.9 144.7 : trace disseminated pyrite and magnetite , quartz tourmaline vein between 144.4 and 144.7					
	144.7 145.3 : felsic intrusive.					
	147.0 148.5 : pink Feldspar Porphyry with 2 to 5 % quartz and tourmaline veins.					
	148.5 150.2 : unit contain 10 % small clasts.					
	150.2 150.4 : quartz calcite vein with chlorite amphibole and trace pyrite.					
	157.2 157.6 : pink altered Paraconglomerate with 10 % quartz calcite vein, with trace tourmaline and pyrite , at 162.0 END OF HOLE.					

Page: 1
 Co-ords: 1050N 7000 E
 Az: 180.0
 Dip: -50.0
 Length: 160.0
 Core Size: 80
 Purpose: Test lahar

WESTMIN RESOURCES LIMITED
 DIAMOND DRILL RECORD

PROPERTY: SOUTH DETOUR CLAIMS
 HOLE NO.: D-89-28

Date Started: 22/01/89
 Date Completed: 23/01/89
 Date Logged: 25/01/89
 Logged by: EM

Dip Tests
 Depth Az. Dip
 160.00 180.0 -51.0
 from to
 (m) (m)

Sample from to Length Au
 No. (m) (m) (m) ppb

Paul P. Nicholls



16.3 OVERBURDEN AND CASING

16.3 27.2 PARACONGLOMERATE

Dark to medium grey green with white to brown clasts at 10 to 15%. Fine to medium grained mafic matrix approximately 60 to 70 % massive to foliated texture at 30 to 60 degrees to core axis. at 5 % fine grained calcite in matrix. Lithic to monomineralic clasts, angular to subrounded with some lapilli. Quartz feldspar calcite composition from 2 to 3 cm in diameter.	79436	16.3	17.0	.7
1 to 5 % pyrite as fine grained lenses and disseminated medium grained subhedral crystals. 1 to 2 % green black biotite showing flame texture. Trace to 2% quartz calcite veins throughout at 30 to 70 degrees to core axis. Trace lenticular fine grained black tourmaline along vein contact and fine disseminated in vein 1 to 2% chlorite.	79437	17.0	18.0	1.0
17.5 17.8 : banded pyrite at 20 degrees to core axis 1 cm thick boudinaged quartz vein.	79438	18.0	19.0	1.0
21.3 22.0 : banded iron formation 30 to 40% ribboned quartz calcite bands and elongate clasts grains. 3 to 5% magnetite as euhedral fine disseminated grains and thin 1 mm bands at 10 degrees to core axis. 2 to 3% pyrite as medium to coarse grained irregular masses. 2 to 3% green mica possible fuchsite.	79439	19.0	20.0	1.0
	79440	20.0	21.0	1.0
	79441	21.0	22.0	1.0
	79442	22.0	23.0	1.0
	79443	23.0	24.0	1.0
	79444	24.0	25.0	1.0
	79445	25.0	26.0	1.0
	79446	26.0	27.0	1.0
	79447	27.0	28.0	1.0

27.2 39.3 QUARTZ FELDSPAR PORPHYRY

Sharp contact at 25 degrees to core axis dull pinkish-grey colour fine grained pink grey matrix with up to 30 to 40 % 5 to 7 mm quartz feldspar phenocrysts. Approximately 2% massive	79448	28.0	29.0	1.0
	79449	29.0	30.0	1.0
	79450	30.0	31.0	1.0
	79451	31.0	32.0	1.0
	79452	32.0	33.0	1.0

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WESTMIN RESOURCES LIMITED
HOLE NO.:D-89-28

from (m)	to (m)		Sample No.	from (m)	to (m)	Length (m)	Au ppb
		chlorite locally 1 to 2% thin quartz	79453	33.0	34.0	1.0	
		tourmaline veins containing trace to	79454	34.0	35.0	1.0	
		2% disseminated pyrite in matrix.	79455	35.0	36.0	1.0	
		Trace to 2% fine grained calcite in	79456	36.0	37.0	1.0	
		matrix and veins.	79457	37.0	38.0	1.0	
		31.2 31.7 : section with approximately	79458	38.0	39.0	1.0	
		1 cm quartz tourmaline vein	79459	39.0	40.0	1.0	
		perpendicular to core axis. 1 to 2%					
		disseminated pyrite 5 cm displacement					
		micro fault with crosscutting 1 cm					
		thick quartz vein.					
		36.2 37.8 : numerous tourmaline veins					
		up to 1 cm thick with trace to 1%					
		pyrite at 15 degrees to core axis.					
		Trace to 2% sericitic, trace green					
		mica possible fucshite.					
39.3	42.8	PARACONGLOMERATE					
		Similar to 16.3 27.20 sharp contact at	79460	40.0	41.0	1.0	
		40 degrees to core axis, approximately	79461	41.0	42.0	1.0	
		1% fine grained pyrite as irregular	79462	42.0	43.0	1.0	
		masses up to 1 cm in diameter.					
		39.4 39.5 : boudinaged quartz vein					
		with trace tourmaline, black biotite,					
		trace pyrite.					
42.8	45.7	QUARTZ FELDSPAR PORPHYRY					
		Similar to 27.20 39.30 with trace fine	79463	43.0	44.0	1.0	
		grained disseminated magnetite. More	79464	44.0	45.0	1.0	
		dark in colour at 45.0. Trace pyrite	79465	45.0	46.0	1.0	
		in matrix locally up to 5% pyrite in					
		thin quartz tourmaline veins at 10 to					
		25 degrees to core axis.					
45.7	76.3	PARACONGLOMERATE					
		Similar to previous description	79466	55.0	56.0	1.0	
		foliated at 25 to 40 degrees to core	79467	61.0	62.0	1.0	
		axis locally trace sulphides.	79468	62.0	63.0	1.0	
		45.7 56.9 : larger clasts up to 6 cm	79469	63.0	64.0	1.0	
		in diameter, more deformed 55.75 : 5	79470	64.0	65.0	1.0	
		cm thick pyrrhotite pyrite	79471	65.0	66.0	1.0	
		chalcopryite fragment 4 cm in length.	79472	66.0	67.0	1.0	
		61.8 68.0 : trace to 1% pyrite trace	79473	67.0	68.0	1.0	
		disseminated magnetite approximately	79474	68.0	69.0	1.0	
		10% chloritic masses and bands.	79475	69.0	70.0	1.0	
		71.6 76.3 : approximately 1%	79476	70.0	71.0	1.0	
		disseminated pyrite in matrix and 2%	79477	71.0	72.0	1.0	
		thin boudinaged quartz veins with	79478	72.0	73.0	1.0	
		trace pyrite and possible trace	79479	73.0	74.0	1.0	
		tourmaline 76.15 : 20 cm brecciated	79480	74.0	75.0	1.0	
		quartz calcite vein at 45 degrees to	79481	75.0	76.0	1.0	
		core axis with 2 to 3% fine grained	79482	76.0	77.0	1.0	
		disseminated pyrite approximately 5%					

Page: 3

WESTMIN RESOURCES LIMITED
HOLE NO.: D-89-28

from (m)	to (m)		Sample No.	from (m)	to (m)	Length (m)	Au ppb
		chloritic.					
76.3	106.8	QUARTZ FELDSPAR PORPHYRY					
		Similar to previous description more	79483	77.0	78.0	1.0	
		feldspar content possible potassic	79484	78.0	79.0	1.0	
		alteration. Numerous thin tourmaline	79485	79.0	80.0	1.0	
		stringers at various degrees to core	79486	80.0	81.0	1.0	
		axis trace fine grained disseminated	79487	81.0	82.0	1.0	
		magnetite throughout trace fine	79488	82.0	83.0	1.0	
		grained disseminated pyrite associated	79489	83.0	84.0	1.0	
		with tourmaline stringers. Develops	79490	84.0	85.0	1.0	
		greenish tint towards end of unit.	79491	85.0	86.0	1.0	
		79.5 80.0 : trace green mica possibly	79492	86.0	87.0	1.0	
		fuchsite.	79493	87.0	88.0	1.0	
		86.2 86.6 : quartz tourmaline vein at	79494	88.0	89.0	1.0	
		0 degrees to core axis approximately 1	79495	89.0	90.0	1.0	
		to 2% fine grained pyrite and	79496	90.0	91.0	1.0	
		disseminated along vein contact.	79497	91.0	92.0	1.0	
		105.6 105.8 : milky white quartz vein	79498	92.0	93.0	1.0	
		with chlorite rimming approximately 5%	79499	93.0	94.0	1.0	
		calcite inclusions , 1% medium grained	79500	94.0	95.0	1.0	
		subhedral pyrite along contact.	79501	95.0	96.0	1.0	
			79502	96.0	97.0	1.0	
			79503	97.0	98.0	1.0	
			79504	98.0	99.0	1.0	
			79505	99.0	100.0	1.0	
			79506	100.0	101.0	1.0	
			79507	101.0	102.0	1.0	
			79508	102.0	103.0	1.0	
			79509	103.0	104.0	1.0	
			79510	104.0	105.0	1.0	
			79511	105.0	106.0	1.0	
			79512	106.0	107.0	1.0	
106.8	111.4	PARACONGLOMERATE					
		Similar to previous description with	79513	107.0	108.0	1.0	
		more clasts approximately 20 to 25 %.	79514	108.0	109.0	1.0	
		High % of feldspar clasts with	79515	109.0	110.0	1.0	
		apparent alteration to yellow-green	79516	110.0	111.0	1.0	
		acicular mineral (sericite) trace to	79517	111.0	112.0	1.0	
		1% disseminated pyrite throughout					
		contorted foliation. Approximately 5%					
		chlorite stringers, weathered rock					
		from 110.40 to 111.40.					
111.4	152.4	QUARTZ FELDSPAR PORPHYRY					
		Similar to previous description more	79518	112.0	113.0	1.0	
		green colour less tourmaline stringers	79519	113.0	114.0	1.0	
		with euhedral medium grained pyrite. 1	79520	114.0	115.0	1.0	
		to 2% disseminated magnetite throughout	79521	115.0	116.0	1.0	
		122.8 : 2 cm quartz tourmaline vein	79522	116.0	117.0	1.0	
		trace disseminated pyrite.	79523	117.0	118.0	1.0	
		116.6 117.0 : quartz tourmaline	79524	118.0	119.0	1.0	

Page: 5

WESTMIN RESOURCES LIMITED
HOLE NO.:D-89-28from to
(m) (m)Sample from to Length Au
No. (m) (m) (m) ppbdisseminated pyrite.
160.0 END OF HOLE.

Page: 1
 Co-ords: 978N 6800 E
 Azimuth: 180.0
 Dip: -50.0
 Length: 161.0
 Core Size: BQ
 Purpose: Test Paraconglomerate Contact

WESTMIN RESOURCES LIMITED
 DIAMOND DRILL RECORD

PROPERTY: SOUTH DETOUR CLAIMS
 HOLE NO.: D-89-29

Date Started: 24/01/89
 Date Completed: 25/01/89
 Date Logged: 28/01/89
 Logged by: PRJN

Dip Tests
 Depth Az. Dip
 161.00 180.0 -40.0
 from to
 (m) (m)
 5.0 6.0 0.

Sample from to Length Au
 No. (m) (m) (m) ppb



Depth (m)	Interval (m)	Description	Sample No.	From (m)	To (m)	Length (m)	Au (ppb)
.0	5.0	OVERBURDEN AND CASING					
5.0	6.3	FELSIC INTRUSIVE Fine grained light pink quartz feldspar rock with trace to 5 % quartz eye , trace disseminated magnetite , trace to 1 % thin quartz and or tourmaline veins , lower contact at 40 degrees to core axis , last 10 cm of unit is grey.	79435	6.0	7.0	1.0	
6.3	10.6	PARACONGLOMERATE Fine grained medium to dark grey matrix with 30 to 40 % clasts up to thick , clast are mafic , felsic , and Feldspar Porphyry , foliated at 40 to 50 degrees to core axis , trace disseminated pyrite and magnetite , trace to 5 % calcite in fractures and trace to 1 % quartz veins with trace pyrite.	79257 79258 79259 79260	7.0 8.0 9.0 10.0	8.0 9.0 10.0 11.0	1.0 1.0 1.0 1.0	
10.6	14.1	FELSIC INTRUSIVE Similar to above , darker pink with trace feldspar up to 1 mm , 5 to 10 % quartz eyes , 2 to 5 % thin quartz and or tourmaline veins with minor sulphides.	79261 79262 79263 79264	11.0 12.0 13.0 14.0	12.0 13.0 14.0 15.0	1.0 1.0 1.0 1.0	
14.1	17.6	PARACONGLOMERATE Similar to above , up to 2 % pyrite , 5 to 10 % calcite in matrix.	79265 79266 79267	15.0 16.0 17.0	16.0 17.0 18.0	1.0 1.0 1.0	
17.6	28.3	FELDSPAR PORPHYRY Similar to above. 17.6 20.7 : dark pink , with 5 to 10 % feldspar up to 2 mm , trace to 1 % disseminated magnetite , trace to 5 %	79268 79269 79270 79271	18.0 19.0 20.0 21.0	19.0 20.0 21.0 22.0	1.0 1.0 1.0 1.0	

Page: 2

WESTMIN RESOURCES LIMITED
HOLE NO.: D-89-29

from (m)	to (m)		Sample No.	from (m)	to (m)	Length (m)	Au ppb
		quartz tourmaline veins with trace pyrite.	79272	22.0	23.0	1.0	
			79273	23.0	24.0	1.0	
		20.7 28.3 : pink to grey , trace disseminated magnetite , trace to 5 % chlorite , trace quartz tourmaline veining.	79274	24.0	25.0	1.0	
			79275	25.0	26.0	1.0	
			79276	26.0	27.0	1.0	
			79277	27.0	28.0	1.0	
			79278	28.0	29.0	1.0	
28.3	29.8	PARACONGLOMERATE Similar to above , trace magnetite.	79279	29.0	30.5	1.5	
29.8	48.4	FELDSPAR PORPHYRY Similar to above.	79280	30.5	32.0	1.5	
		29.8 35.6 : fine to medium grained grey quartz feldspar rock with trace disseminated magnetite and trace quartz and / tourmaline veins.	79281	32.0	33.0	1.0	
			79282	33.0	34.0	1.0	
			79283	34.0	35.0	1.0	
			79284	35.0	36.0	1.0	
		35.6 48.4 : pink fine grained quartz feldspar matrix with 10 to 20 % feldspars , trace disseminated magnetite trace to 5 % quartz and / or tourmaline veins , trace pyrite.	79285	36.0	37.0	1.0	
			79286	37.0	38.0	1.0	
			79287	38.0	39.0	1.0	
			79288	39.0	40.0	1.0	
			79289	40.0	41.0	1.0	
			79290	41.0	42.0	1.0	
			79291	42.0	43.0	1.0	
			79292	43.0	44.0	1.0	
			79293	44.0	45.0	1.0	
			79294	45.0	46.0	1.0	
			79295	46.0	47.0	1.0	
			79296	47.0	48.0	1.0	
			79297	48.0	49.0	1.0	
48.4	50.5	PARACONGLOMERATE Similar to above , with trace to 2 % pyrite.	79298	49.0	50.0	1.0	
			79299	50.0	51.0	1.0	
50.5	73.0	FELDSPAR PORPHYRY Similar to above , pink , with feldspar phenocrysts up to 3 mm , trace disseminated magnetite , trace pyrite , at upper contact a 3 cm quartz tourmaline calcite veins with pyrite , trace to 2 % quartz tourmaline veins locally with pyrite , veins at 30 to 90 degrees to core axis.	79300	51.0	52.0	1.0	
			79301	52.0	53.0	1.0	
			79302	53.0	54.0	1.0	
			79303	54.0	55.0	1.0	
			79304	55.0	56.0	1.0	
			79305	56.0	57.0	1.0	
			79306	57.0	58.0	1.0	
			79307	58.0	59.0	1.0	
		59.5 59.7 : Paraconglomerate foliated at 50 to 60 degrees to core axis.	79308	59.0	60.0	1.0	
			79309	60.0	61.0	1.0	
		65.3 65.9 : Paraconglomerate.	79310	61.0	62.0	1.0	
		65.9 67.1 : trace grey Feldspar Porphyry.	79311	62.0	63.0	1.0	
			79312	63.0	64.0	1.0	
		67.1 67.4 : Paraconglomerate.	79313	64.0	65.0	1.0	
		67.3 68.5 : Paraconglomerate.	79314	65.0	66.0	1.0	
		67.4 68.3 : trace grey Feldspar	79315	66.0	67.0	1.0	

Page: 4

WESTMIN RESOURCES LIMITED
HOLE NO.: D-89-29

from (m)	to (m)	Sample No.	from (m)	to (m)	Length (m)	Au ppb
		79366	127.0	128.0	1.0	
		79367	128.0	129.0	1.0	
		79368	129.0	130.0	1.0	
		79369	130.0	131.0	1.0	
		79370	131.0	132.0	1.0	
		79371	132.0	133.0	1.0	
		79372	133.0	134.0	1.0	
		79373	134.0	135.0	1.0	
		79374	135.0	136.0	1.0	
		79375	136.0	137.0	1.0	
		79376	137.0	138.0	1.0	
		79377	138.0	139.0	1.0	
		79378	139.0	140.0	1.0	
		79379	140.0	141.0	1.0	
		79380	141.0	142.0	1.0	
		79381	142.0	143.0	1.0	

142.6 142.9 MAFIC VOLCANIC FLOW

Brecciated, fine grained, medium green with 20 to 30 quartz calcite veins containing trace pyrite, trace disseminated magnetite.

142.9 144.3 MAFIC VOLCANIC FLOW

Fine grained medium to dark green mafic flow with 2 to 5 % quartz calcite veins, strongly magnetic.

79382	143.0	144.0	1.0
79383	144.0	145.0	1.0

144.3 144.7 OXIDE FACIES IRON FORMATION

Well banded, chert with 5 to 10 % magnetite in bands, trace pyrite, banding at 40 degrees to core axis, trace quartz veining, magnetite also disseminated and in veins.

144.7 160.7 MAFIC VOLCANIC FLOW

Fine grained medium to dark green, similar to above, 2 to 5 % calcite veins, at 147.8 a 3 mm quartz vein with trace pyrite at 30 degrees to core axis.

79384	147.5	148.5	1.0
79385	152.0	152.5	.5

149.0 152.0 : 40 % ground core.
152.0 152.5 : 20 % quartz veins at 40 degrees to core axis with trace pyrite.

160.7 161.0 FELDSPAR PORPHYRY

Similar to above grey, at 161.0 END OF HOLE.

Page: 1
 Co-ords: 1060N 6500 E
 Azimuth: .0
 Dip: -50.0
 Length: 161.0
 Core Size: BQ
 Purpose: Test Paraconglomerate

WESTMIN RESOURCES LIMITED
 DIAMOND DRILL RECORD

PROPERTY: SOUTH DETOUR CLAIMS
 HOLE NO.: D-89-30

Date Started: 25/01/89
 Date Completed: 26/01/89
 Date Logged: 30/01/89
 Logged by: PRJM

Dip Tests
 Depth Az. Dip
 161.00 .0 -45.0
 from to
 (m) (m)

Sample from to Length Au
 No. (m) (m) (m) ppb

Paul P. Nicholls



.0 2.0 OVERBURDEN AND CASING

2.0 72.3 PARACONGLOMERATE

Fine to medium grained medium green matrix with 30 % irregular to rounded clasts, heterolithic, clasts up to 2 cm thick, oriented at 50 degrees to core axis, trace disseminated magnetite.

6.5 6.6 : white to rusty quartz vein.

10.0 11.0 : core rusty, 2 to 5 % quartz veins with trace pyrite, veins at 10 degrees to core axis at 14.3 a

10 cm section with 20 % white quartz calcite veins, at 15.0 the matrix becomes darker green grey in colour and contain up to 5 % calcite.

20.0 21.0 : trace quartz calcite, minor pyrite, at 28.7 a 1 cm quartz vein containing pyrite and tourmaline at 40 degrees to core axis, at 40.9 a 5 cm section of quartz calcite veining with trace pyrite at 44.0 a 1 cm quartz tourmaline vein at 30 degrees to core axis.

45.5 45.7 : unit rusty.

49.5 49.6 : rusty quartz vein contact irregular at 30 degrees to core axis.

52.1 52.4 : core rusty, trace pyrite.

55.5 56.5 : core broken, trace pyrite, rusty fractures.

57.0 57.1 : trace quartz vein, up to 5 % green mica.

71.0 72.3 : up to 2 % pyrite.

79560	6.0	7.0	1.0
79561	10.0	11.0	1.0
79562	14.0	14.5	.5
79563	20.0	21.0	1.0
79564	28.5	29.0	.5
79565	40.5	41.5	1.0
79566	45.0	46.0	1.0
79567	49.0	50.0	1.0
79568	52.0	52.5	.5
79569	55.5	56.5	1.0
79570	56.5	57.5	1.0
79571	72.0	73.0	1.0

72.3 77.3 FELDSPAR PORPHYRY

Fine to medium grained medium greenish-grey matrix with up to 15 % white feldspar, massive to foliated at 35 to 40 degrees to core axis, trace to 2 % pyrite in veins and disseminated, trace to 2 % tourmaline veins, green mica at 72.8, 73.5,

79572	73.0	74.0	1.0
79573	74.0	75.0	1.0
79574	75.0	76.0	1.0
79575	76.0	77.3	1.3

Page: 2

WESTMIN RESOURCES LIMITED
HOLE NO.: B-89-30

from (m)	to (m)	Sample No.	from (m)	to (m)	Length (m)	Au ppb
	74.0 to 74.3 and 75.0.					
	74.0 74.3 : 5 % tourmaline veining with pyrite and trace green mica.					
77.3	161.0 PARACONGLOMERATE					
	Similar to above , at 80.2 a 4 cm	79576	80.0	81.0	1.0	
	quartz calcite vein with tourmaline at	79577	96.0	97.0	1.0	
	30 to 40 degrees to core axis.	79578	97.0	98.0	1.0	
	81.0 82.3 : fine grained grey porphyry	79579	103.5	104.5	1.0	
	, trace quartz calcite veins.	79580	108.5	110.0	1.5	
	96.0 98.0 : unit brecciated , trace to	79581	110.0	111.0	1.0	
	5 % in fractures and disseminated.	79582	111.0	112.0	1.0	
	103.9 104.3 : 70 % white quartz	79583	112.0	113.0	1.0	
	veining with chlorite and pyrite.	79584	113.0	114.0	1.0	
	108.5 110.0 : 70 % white quartz	79585	114.0	115.0	1.0	
	veining with chlorite and up to 2 %	79586	115.0	116.0	1.0	
	pyrite.	79587	123.0	124.0	1.0	
	111.0 116.0 : trace to 5 % quartz	79588	124.0	125.0	1.0	
	calcite vein , trace pyrite , trace	79589	125.0	126.0	1.0	
	chalcopryrite in vein at 115.5.	79590	128.0	129.0	1.0	
	123.3 123.5 : 5 % veining.	79591	134.4	135.4	1.0	
	124.4 125.3 : trace to 5 % quartz	79592	149.0	150.0	1.0	
	calcite veins with trace pyrite.	79593	156.0	157.5	1.5	
	125.3 126.1 : 70 % white quartz	79594	157.5	159.0	1.5	
	calcite veins with trace pyrite.	79595	159.0	160.5	1.5	
	128.4 128.5 : trace quartz calcite	79596	160.5	161.0	.5	
	veining with trace pyrite.					
	134.4 135.4 : 60 % quartz calcite					
	dolomite veining with trace to 5 %					
	pyrite , trace pyrrhotite , at 138.1 a					
	3 cm quartz calcite vein.					
	149.2 149.6 : 40 % quartz veins with					
	trace pyrite , at 151.5 a 2 cm white					
	quartz vein at 40 degrees to core axis.					
	156.5 156.7 : quartz calcite vein with					
	trace pyrite and tourmaline ?.					
	158.0 160.5 : up to 2 % pyrite.					
	160.5 161.0 : 2 to 5 % quartz calcite					
	veins , at 161.0 END OF HOLE.					

Page: 1
 Co-ords: 1061N 6500 E
 Azi: 180.0
 Dip: -50.0
 Length: 155.0
 Core Size: BQ
 Purpose: Test paraconglomerate

WESTMIN RESOURCES LIMITED
 DIAMOND DRILL RECORD

PROPERTY: SOUTH DETOUR CLAIMS
 HOLE NO.: D-89-31

Date Started: 26/01/89
 Date Completed: 27/01/89
 Date Logged: 31/01/89
 Logged by: PRJM

Dip Tests
 Depth Az. Dip
 155.00 180.0 -41.0
 from to
 (m) (m)

Sample from to Length Au
 No. (m) (m) (m) ppb

.0 2.0 OVERBURDEN AND CASING

2.0 43.9 PARACONGLOMERATE

Fine to medium grained medium green grey matrix with 30 to 40 % clasts, clasts are cherty, mafic and felsic, trace disseminated pyrite, foliation at 40 degrees to core axis, matrix contain 5 % calcite.
 5.0 6.0 : minor rusty zone.
 9.5 10.0 : foliated light grey quartz feldspar intrusive, foliation at 50 degrees to core axis, trace feldspar phenocryst, 5 to 10 % chlorite and biotite.
 11.6 12.5 : similar to 9.5 to 10.0 with trace disseminated pyrite.
 21.5 23.0 : trace quartz vein with pyrite, at 21.8 a 3 mm band of pyrrhotite at 40 degrees to core axis, at 33.0 a 1 cm quartz vein with pyrite.
 35.0 36.0 : trace quartz calcite veins.

79598	11.5	12.5	1.0
79599	18.0	19.0	1.0
79600	21.5	22.5	1.0
79601	32.8	33.3	.5
79602	35.0	36.0	1.0

43.9 52.6 FELDSPAR PORPHYRY

Fine grained pink quartz feldspar matrix with trace to 15 % white feldspar phenocryst up to 1.5 mm, unit massive, trace disseminated pyrite, unit contain up to 5 % quartz tourmaline veins with trace pyrite, most extensive veining at upper contact, at 48.5, and 51.5 to 52.6.

79603	43.9	45.0	1.1
79604	45.0	46.0	1.0
79605	46.0	47.0	1.0
79606	47.0	48.0	1.0
79607	48.0	49.0	1.0
79608	49.0	50.0	1.0
79609	50.0	51.0	1.0
79610	51.0	52.0	1.0
79611	52.0	53.0	1.0

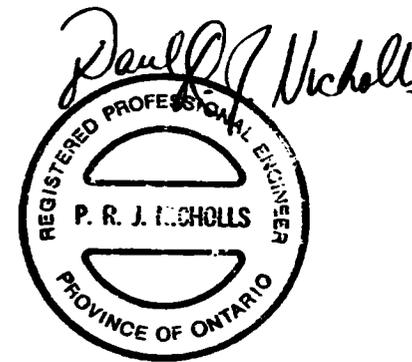
52.6 54.7 PARACONGLOMERATE

Similar to above, trace sulphides.

54.7 55.9 FELDSPAR PORPHYRY

Similar to above, trace quartz tourmaline veins, trace pyrite.

79612	54.7	55.9	1.2
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from (m)	to (m)		Sample No.	from (m)	to (m)	Length (m)	Au ppb
55.9	58.4	PARACONGLOMERATE					
		Similar to above , trace quartz vein ,	79671	55.9	57.0	1.1	
		minor porphyry at 56.5 to 56.7 with	79613	57.0	58.0	1.0	
		trace pyrite , at 57.3 a quartz	79614	58.0	59.0	1.0	
		calcite vein with minor tourmaline.					
58.4	70.2	QUARTZ FELDSPAR PORPHYRY					
		Similar to to porphyry above with up	79615	59.0	60.0	1.0	
		to 5 % quartz eyes.	79616	60.0	61.0	1.0	
		58.4 59.5 : trace to 1 % quartz	79617	61.0	62.0	1.0	
		tourmaline veins , rusty zone at 58.9	79618	62.0	63.0	1.0	
		with trace pyrite.	79619	63.0	64.0	1.0	
		60.0 60.2 : 60 % quartz veining with	79620	64.0	65.0	1.0	
		trace to 5 % tourmaline , trace pyrite.	79621	65.0	66.0	1.0	
		60.8 70.2 : trace to 5 % quartz	79622	66.0	67.0	1.0	
		tourmaline veins , trace chlorite ,	79623	67.0	68.0	1.0	
		green mica at 68.8.	79624	68.0	69.0	1.0	
			79625	69.0	70.0	1.0	
			79626	70.0	71.0	1.0	
70.2	106.1	PARACONGLOMERATE					
		Similar to above , matrix more green	79627	77.0	78.0	1.0	
		in colour , trace calcite in fracture	79628	79.0	80.0	1.0	
		, trace magnetite , quartz calcite	79629	80.0	81.0	1.0	
		veins at 77.6 with chalcopyrite and	79630	81.0	82.0	1.0	
		pyrrhotite , at 79.4 , 80.3 , 81.7 ,	79631	82.0	83.5	1.5	
		83.2 with 5 % pyrrhotite and pyrite	79632	104.0	105.0	1.0	
		and 104.3.	79633	105.0	106.0	1.0	
			79634	106.0	107.0	1.0	
106.1	115.9	FELDSPAR PORPHYRY					
		Similar to above.	79635	107.0	108.0	1.0	
		106.1 107.0 : grey with feldspar	79636	108.0	109.0	1.0	
		phenocryst up to 2 mm , trace	79637	109.0	110.0	1.0	
		disseminated pyrite , minor veining.	79638	110.0	111.0	1.0	
		107.0 111.5 : pink , fine grained ,	79639	111.0	112.0	1.0	
		minor feldspar phenocryst , trace to	79640	112.0	113.0	1.0	
		10 % quartz eyes up to 5 % quartz	79641	113.0	114.0	1.0	
		tourmaline veins with trace sulphides	79642	114.0	115.0	1.0	
		, green mica at 107.5.	79643	115.0	116.0	1.0	
		111.5 115.9 : pink with up to 10 %					
		feldspars , trace disseminated pyrite					
		, trace veining.					
115.9	129.1	PARACONGLOMERATE					
		Similar to above.	79644	116.0	117.0	1.0	
		115.9 117.0 : trace quartz calcite	79645	120.2	120.7	.5	
		vein at 30 to 40 degrees to core axis	79646	125.0	126.0	1.0	
		, at 120.5 a 2 cm quartz calcite vein.	79647	126.0	127.0	1.0	
		125.0 126.5 : trace quartz vein , up	79648	127.0	128.0	1.0	

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WESTMIN RESOURCES LIMITED
HOLE NO.:D-89-31

from (m)	to (m)		Sample No.	from (m)	to (m)	Length (m)	Au ppb
		to 1 % disseminated pyrite.	79649	128.0	129.0	1.0	
		128.5 129.1 : 60 % quartz calcite veining with small sections of Paraconglomerate and grey Feldspar Porphyry , veins contain tourmaline , chlorite , and up to 5 % pyrite.	79650	129.0	130.0	1.0	
129.1	145.5	QUARTZ FELDSPAR PORPHYRY					
		Similar to above , pink with 5 to 10 % quartz eyes up to 1 mm , trace feldspar phenocryst , and trace to 5 % quartz and or tourmaline veins , most extensive veining between 134.0 and 137.0 trace pyrite , at 145.0 a 10 cm section of banded magnetite and quartz tourmaline veining.	79651	130.0	131.0	1.0	
			79652	131.0	132.0	1.0	
			79653	132.0	133.0	1.0	
			79654	133.0	134.0	1.0	
			79655	134.0	135.0	1.0	
			79656	135.0	136.0	1.0	
			79657	136.0	137.0	1.0	
			79658	137.0	138.0	1.0	
			79659	138.0	139.0	1.0	
			79660	139.0	140.0	1.0	
			79661	140.0	141.0	1.0	
			79662	141.0	142.0	1.0	
			79663	142.0	143.0	1.0	
			79664	143.0	144.0	1.0	
			79665	144.0	145.0	1.0	
			79666	145.0	146.3	1.3	
145.5	152.6	PARACONGLOMERATE					
		Similar to above , clast at 40 to 50 degrees to core axis , trace disseminated magnetite.	79667	148.5	149.0	.5	
		145.5 146.3 : 5 to 10 % quartz calcite vein , minor pink alteration , veins up to 10 cm , trace chlorite.	79668	152.0	153.0	1.0	
		148.5 149.0 : 10 % quartz calcite veins , at 152.3 a 4 cm section of pink porphyry.					
152.6	155.0	QUARTZ FELDSPAR PORPHYRY					
		Pink , fine grained , trace to 5 % quartz eye , up to 5 % tourmaline quartz veins with pyrite , green mica at 152.7 , at 155.0 END OF HOLE.	79669	153.0	154.0	1.0	
			79670	154.0	155.0	1.0	

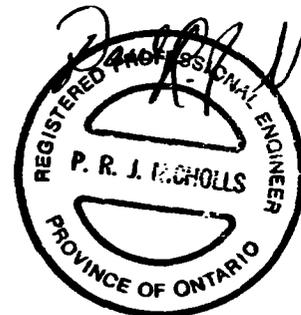
Page: 1
 Co- : 1050N 6000 E
 Azimuth: 180.0
 Dip: -50.0
 Length: 134.0
 Core Size: 88
 Purpose: Test Paraconglomerate

WESTMIN RESOURCES LIMITED
 DIAMOND DRILL RECORD

PROPERTY: SOUTH DETOUR CLAIMS
 HOLE NO.: D-89-32

Date Started: 27/01/89
 Date Completed: 28/01/89
 Date Logged: 01/02/89
 Logged by: PRJN

Dip Tests							
Depth	Az.	Dip					
134.00	180.0	-50.0					
from	to		Sample	from	to	Length	Au
(m)	(m)		No.	(m)	(m)	(m)	ppb
.0	4.8	OVERBURDEN AND CASING					
4.8	8.6	PARACONGLOMERATE Fine grained green matrix with trace to 10 % mafic clasts up to 1 cm , matrix banded at 30 degrees to core axis , trace quartz calcite veins.	79672	8.5	9.5	1.0	
8.6	20.9	FELDSPAR PORPHYRY Pink grey green rock with quartz feldspar matrix , 10 to 20 % white feldspar phenocrysts , feldspar are irregular to subhedral , trace disseminated pyrite , unit is chloritic , trace to 5 % quartz and tourmaline veins at various angular , veins contain trace sulphidess and minor pink feldspar ? , at 19.1 a 4 cm quartz calcite vein with chlorite , tourmaline , and trace pyrite.	79673	9.5	10.5	1.0	
			79674	10.5	11.5	1.0	
			79675	11.5	12.5	1.0	
			79676	12.5	13.5	1.0	
			79677	13.5	14.5	1.0	
			79678	14.5	15.5	1.0	
			79679	15.5	16.5	1.0	
			79680	16.5	17.5	1.0	
			79681	17.5	18.5	1.0	
			79682	18.5	19.5	1.0	
			79683	19.5	20.5	1.0	
20.9	119.9	PARACONGLOMERATE Similar to above with 10 to 30 % clasts , clasts are mafic with minor felsic clasts , trace to 2 % disseminated magnetite. 25.0 32.5 : trace to 5 % white quartz calcite veins with trace pyrite , clasts oriented locally at 10 to 20 degrees to core axis , unit contain trace disseminated pyrite. 36.8 37.0 : 70 % white quartz vein with calcite and chlorite , at 40.0 foliation at 30 degrees to core axis , quartz calcite veins at 56.7 , 63.2 , 67.7 , 68.1. 72.2 75.0 : trace quartz veins with calcite , minor banded sections with thin bands of magnetite , banding at 0 to 90 degrees to core axis , at 92.7 a 1 cm quartz calcite veins with pyrrhotite.	79684	25.0	26.0	1.0	
			79685	26.0	27.0	1.0	
			79686	27.0	28.0	1.0	
			79687	28.0	29.0	1.0	
			79688	29.0	30.0	1.0	
			79689	30.0	31.0	1.0	
			79690	31.0	32.5	1.5	
			79691	36.7	37.2	.5	
			79692	67.5	68.5	1.0	
			79693	72.0	73.0	1.0	
			79694	73.0	74.0	1.0	
			79695	74.0	75.0	1.0	
			79696	92.5	93.0	.5	
			79697	98.5	99.5	1.0	
			79698	99.5	100.5	1.0	
			79699	116.5	117.5	1.0	
			79700	117.5	118.5	1.0	
			79701	118.5	120.0	1.5	



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WESTMIN RESOURCES LIMITED

HOLE NO.:D-89-32

from to
(m) (m)Sample from to Length Au
No. (m) (m) (m) ppb

98.5 100.5 : trace quartz calcite
veins at 80 degrees to core axis.
116.8 117.3 : banded to laminated
cherty unit with bands of magnetite ,
trace pyrite , at 117.5 a 10 cm
section of banded chert.
117.5 119.0 : trace quartz calcite
veins with minor sulphides.

119.5 122.9 FELDSPAR PORPHYRY

Fine grained pink quartz feldspar
matrix with trace to 10 % white
feldspar phenocryst , trace biotite ,
trace disseminated pyrite , and trace
quartz and tourmaline veins.

79702 120.0 121.0 1.0
79703 121.0 122.0 1.0
79704 122.0 123.0 1.0

120.2 120.5 : 70 % white quartz vein
with calcite , chlorite , tourmaline
and 2 % pyrite.

122.4 122.9 : 60 % white quartz vein
with calcite , chlorite , tourmaline
and 2 to 5 % pyrite.

122.9 134.0 PARACONGLOMERATE

Similar to above with 20 to 30 %
clasts , minor quartz veining at 130.5
, 131.3 , 132.9 , at 124.0 a 7 cm
quartz calcite vein with chlorite at
134.0 END OF HOLE.

79705 123.0 124.0 1.0
79706 130.4 131.4 1.0

Page: 1
 Co- : 1285N 3500 E
 Azimuth: .0
 Dip: -50.0
 Length: 153.0
 Core Size: BQ
 Purpose: test conductor

WESTMIN RESOURCES LIMITED
 DIAMOND DRILL RECORD

PROPERTY: SOUTH DETOUR CLAIMS
 HOLE NO.: D-89-33

Date Started: 28/01/89
 Date Completed: 29/01/89
 Date Logged: 25/01/89
 Logged by: mason

Dip Tests
 Depth Az. Dip
 153.00 .0 -50.0
 from to
 (m) (m)

Sample from to Length Au
 No. (m) (m) (m) ppb

.0 34.0 OVERBURDEN AND CASING

34.0 53.0 PARACONGLOMERATE

Intermediate to mafic 4d with mafic
 tuffaceous sections and interflows.
 Fine grained matrix dark grey green
 colour, approximately 5 % calcite
 composition. generally 5 to 7 %
 clasts composed of both monomineralic
 and lithic clasts, quartz, feldspar
 , angular to subrounded and lapilli
 shaped, 2 to 20 mm in diameter
 foliated at 30 to 45 degrees to core
 axis. 2 to 3 % sections of mafic
 porphyritic interflows, trace to 1%
 pyrite locally.

79707	34.0	35.0	1.0
79708	38.0	39.0	1.0
79709	41.0	42.0	1.0
79710	49.5	50.5	1.0

38.5 : 2 cm quartz vein, milky white
 boudins, trace pyrite in wallrock.

34.0 35.0 Fine grained section with 1
 to 2 % clasts (lapilli shaped) and
 approximately 1 % banded and
 disseminated pyrite.

37.0 38.0 : coarse grained section
 with acicular 3 to 4 mm green
 amphibole grains.

41.2 41.8 : section of weathered rock
 with trace pyrite in thin 1 to 2 mm
 lenses and Fe staining on fracture
 surfaces.

41.8 48.0 : fine grained,
 intermediate to mafic section with
 large, 1 to 2 cm lapilli shaped clasts

48.0 51.3 : coarse grained similar to
 41.2 41.8 higher calcite contorted in
 matrix, approximately 40 to 50 %
 milky white quartz veins between 49.7
 50.5, trace fine grained disseminated
 pyrite, foliated between 30 to 45
 degrees to core axis, crenulated
 folds 1 to 3 % black flakey biotite.

51.3 53.0 : clast composition
 decreasing, more tuffaceous in nature.



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WESTMIN RESOURCES LIMITED
HOLE NO.: D-89-33

from (m)	to (m)		Sample No.	from (m)	to (m)	Length (m)	Au ppb
53.0	65.1	INTERMEDIATE CRYSTAL TUFF Gradational contact, dull green to dark grey in colour, quartz feldspar amphibole composition matrix. Approximately 3% squeezed 1 to 2 mm quartz eyes, becomes porphyritic towards end of section, trace fine grained pyrite. 60.8 60.0.95 : mafic interflow.					
65.1	70.2	MAFIC TUFF Possibly porphyry, sharp stringer at 45 degrees to core axis, dark green amphibole matrix with 20 to 30% tuffaceous grains composed of calcite and quartz, up to 3 mm in size locally 67.8 68.4 Weathered section containing 5 to 10% Fe staining in 1 to 2 mm calcite bands at 45 degrees to core axis. 69.5 70.2 : similar to above with 20 cm quartz vein with chloritic inclusions at end of section, boudinaged, no sulphidess.	79711 79712 79713	67.5 68.5 69.5	68.5 69.5 71.0	1.0 1.0 1.5	
70.2	73.1	QUARTZ FELDSPAR PORPHYRY Similar to 53.0 65.10 with 10 to 15% 2 to 4 mm phenocrysts of quartz feldspar composition. 71.4 71.8 : approximately 40% quartz veins with mafic interflows at 30 degrees to core axis, containing 2% subhedral 2 to 3 mm pyrite grains in mafics.	79714 79715 79716	71.0 72.0 73.0	72.0 73.0 74.0	1.0 1.0 1.0	
73.1	91.2	MAFIC TUFF Similar to 65.10 to 70.20 sharp contact approximately 45 degrees to core axis. Trace chalcopyrite blebs in vein. 73.2 73.5 : milky white quartz vein in weathered mafics containing chloritic inclusions, no sulphidess. 74.4 74.6 : quartz calcite veins approximately 20% 1 to 2 cm thick at 45 degrees to core axis, no sulphidess 74.6 86.6 : section with trace calcite stringers at 30 degrees to core axis, no sulphidess. 86.6 87.3 : approximately 30% quartz calcite veins up to 3 cm thick at 45 degrees to core axis. 2 to 3% chloritic inclusions trace euhedral	79717 79718 79719 79720	74.0 86.5 90.0 91.0	75.0 87.5 91.0 92.0	1.0 1.0 1.0 1.0	

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WESTMIN RESOURCES LIMITED
HOLE NO.:D-89-33

from (m)	to (m)		Sample No.	from (m)	to (m)	Length (m)	Au ppb
		1 % flakey blue brown biotite grains (3 to 5 mm).	79740	129.0	130.0	1.0	
113.0	121.3	: fine grained less clasts , trace to 1 % blue quartz eyes , locally trace lensitic pyrite.	79741	144.0	145.0	1.0	
121.3	122.0	: quartz flooding approximately 60 % with disseminated 2 to 3 % brown biotite , trace to 1 % medium to coarse grained subhedral pyrite.	79742	145.0	146.0	1.0	
122.0	132.0	: more fine grained , more blue quartz eyes , smaller cl'. At 128.7 to 129.0 approximately 5 % blue quartz eyes and 2 % lensitic pyrrhotite , pyrite.	79743	146.0	147.0	1.0	
132.0	144.7	: unit lighter in colour , more coarse grained , larger cl'. 2 to 3 cm thick bands of blue quartz eyes.	79744	150.0	151.0	1.0	
144.7	145.1	: section containing 1 to 2 % pyrrhotite pyrite stringers at 60 degrees to core axis.					
145.6	146.1	: quartz flooding at 0 degrees to core axis , 1 to 2 % calcite crystals , 1 to 2 % brown biotite approximately 1 % coarse grained massive pyrite.					
146.1	153.0	: typical Paraconglomerate clasts somewhat smaller.					
150.0	151.0	: 1 to 2 % coarse grained pyrite and calcite infilling along fractures at 10 to 25 degrees to core axis. At 153.00 END OF HOLE.					

Page: 1
 Co-ords: 800N 3500 E
 Az .h: .0
 Dip: -50.0
 Length: 149.0
 Core Size: 88
 Purpose: Test paraconglomerate contact

WESTMIN RESOURCES LIMITED
 DIAMOND DRILL RECORD

PROPERTY: SOUTH DETOUR CLAIMS
 HOLE NO.: D-89-34

Date Started: 29/01/89
 Date Completed: 30/01/89
 Date Logged: 02/02/89
 Logged by: PRJM

Dip Tests
 Depth Az. Dip
 149.00 .0 -43.0
 from to
 (m) (m)

Sample from to Length Au
 No. (m) (m) (m) ppb

.0 7.0 OVERBURDEN AND CASING

7.0 37.0 MAFIC VOLCANIC FLOW

Fine grained dark green, massive to foliated flow with minor interflow and porphyry sections, foliation at 60 degrees to core axis.

At 8.6 a 10 cm section well banded with brown biotite bands, trace quartz calcite veins.

cm quartz calcite vein at 0 to 30 degrees to core axis, at 20.3 a 7 cm white quartz vein at 50 degrees to core axis.

12.4 13.5 : 10 % of section banded, trace veining, minor pyrrhotite in vein at 13.0, at 15.5 a thin banded section, at 16.1 a 2.

22.3 22.6 : massive grey quartz feldspar unit with 5 to 10 % irregular 1 mm feldspar.

23.0 23.2 : unit more grey in colour.

23.5 24.1 : 5 % white to grey quartz calcite veins with pyrite and pyrrhotite at 50 to 60 degrees to core axis.

26.3 26.4 : 50 % quartz calcite veining with coarse pyrite and chlorite, at 28.7 a 2 cm white quartz vein.

28.7 29.1 : fine grained grey brown massive quartz feldspar biotite rock, possibly intrusive, minor chlorite.

29.1 29.3 : trace brown banded biotite, minor quartz vein with pyrite, at 30.9 a 1 cm calcite quartz vein.

34.9 35.4 : banded chloritic and biotitic unit with minor quartz vein.

79745	12.4	13.5	1.1
79746	20.0	20.5	.5
79747	23.5	24.5	1.0
79748	28.5	29.5	1.0
79749	30.5	31.0	.5
79750	34.5	35.5	1.0

37.0 67.7 GARNETIFEROUS FLOW

Massive to foliated fine grained mafic flow with trace to 20 % disseminated garnets, trace garnets between 37.0

79751	38.0	39.0	1.0
79752	39.0	40.5	1.5
79753	46.0	47.0	1.0



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WESTMIN RESOURCES LIMITED
HOLE NO.:D-89-34

from (m)	to (m)	Sample No.	from (m)	to (m)	Length (m)	Au ppb
	and 49.5.	79754	60.0	61.0	1.0	
38.1	38.4 : 2 % quartz calcite veins with pyrrhotite.	79755	61.0	62.0	1.0	
38.4	38.9 : unit banded to foliated with up to 15 % garnet , 2 to 5 % quartz calcite veins with pyrrhotite.	79756	62.0	63.0	1.0	
38.9	40.5 : trace thin calcite and biotite rich sections , at 42.5 a 10 cm section of feldspar porphyry.	79757	63.0	64.0	1.0	
46.6	47.0 : well banded biotite calcite unit with pyrite.	79758	64.0	65.0	1.0	
49.5	51.1 : Mafic Tuff with 10 to 15 % small fragments.	79759	65.0	66.0	1.0	
55.9	57.5 : up to 15 % small irregular garnets.	79760	66.0	67.0	1.0	
57.5	60.5 : biotitic unit massive to foliated at 50 to 60 degrees to core axis.	79761	67.0	68.0	1.0	
60.5	62.1 : felsic or cherty unit with trace pyrite and garnets.					
62.1	67.7 : 20 to 30 % garnets up to 3 mm , minor banded section with up to 15 % disseminated magnetite , between 63.3 and 63.6 unit contain 5 to 10 % pyrrhotite and up to 1 % chalcopyrite , trace to 5 % quartz calcite veins , between 65.4 and 66.0 unit contain pyrrhotite in veins in a quartz feldspar biotite rock.					
67.7	69.3 CHEMICAL SEDIMENT Banded mafic biotite rich unit with trace pyrrhotite and garnet , banding at 70 degrees to core axis.	79762	68.0	69.0	1.0	
		79763	69.0	70.2	1.2	
69.3	73.4 MAFIC VOLCANIC FLOW Similar to above , fine grained dark green , locally banded , trace biotite trace pyrrhotite in vein at 70.1.	79764	73.0	74.0	1.0	
73.4	84.5 CHEMICAL SEDIMENT Banded quartz feldspar chlorite biotite rock with trace garnet , trace to 5 % magnetite disseminated and bands , trace pyrite and pyrrhotite , trace to 2 % calcite bands. 78.7 79.5 : 2 to 5 % pyrrhotite in bands and fractures.	79765	74.0	75.0	1.0	
		79766	75.0	76.0	1.0	
		79767	76.0	77.0	1.0	
		79768	77.0	78.5	1.5	
		79769	78.5	79.5	1.0	
		79770	79.5	80.5	1.0	
		79771	80.5	81.5	1.0	
		79772	81.5	82.5	1.0	
		79773	82.5	83.5	1.0	
		79774	83.5	84.5	1.0	

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WESTMIN RESOURCES LIMITED
HOLE NO.:D-89-34

from (m)	to (m)		Sample No.	from (m)	to (m)	Length (m)	Au ppb
84.5	98.2	MAFIC VOLCANIC FLOW					
		Massive similar to above , at 85.0 a 1	79775	84.5	85.5	1.0	
		cm quartz calcite vein with garnet at	79776	85.5	87.0	1.5	
		30 degrees to core axis.	79777	90.0	91.0	1.0	
		86.1 87.5 : biotitic Mafic Volcanic	79778	91.0	92.0	1.0	
		Flow ? with a 10 cm quartz calcite	79779	92.0	93.0	1.0	
		vein at 86.9 , at 90.5 a quartz	79780	93.0	94.0	1.0	
		calcite vein at 90 degrees to core axis	79781	94.0	95.5	1.5	
		90.6 93.5 : trace to 2 % pyrrhotite in					
		thin fractures.					
		94.5 95.5 : 2 % pyrite and trace					
		pyrrhotite in thin fractures.					
98.2	98.7	FELSIC INTRUSIVE					
		Fine grained light grey brown quartz					
		feldspar rock.					
98.7	149.0	MAFIC FLOW OR TUFF					
		Banded to locally massive medium green	79782	105.0	106.0	1.0	
		mafic rock , trace biotite and	79783	106.0	107.0	1.0	
		disseminated magnetite.	79784	107.0	108.0	1.0	
		101.0 104.0 : trace garnets , 2 %	79785	108.0	109.0	1.0	
		calcite as stringer.	79786	109.0	110.0	1.0	
		105.0 109.5 : quartz feldspar banded	79787	114.0	115.0	1.0	
		unit with trace disseminated pyrite ,	79788	120.5	121.5	1.0	
		and 5 % garnet , banding at 60 degrees	79789	121.5	122.5	1.0	
		to core axis , at 114.1 a 3 cm quartz	79790	122.5	123.5	1.0	
		vein at 60 degrees to core axis at	79791	123.5	124.5	1.0	
		114.9 a 2 cm banded section with	79792	141.0	142.0	1.0	
		pyrrhotite and pyrite.	79793	145.0	146.0	1.0	
		114.9 115.0 : 5 % pink garnets.	79794	146.0	147.0	1.0	
		120.5 122.6 : trace to 2 % quartz	79795	147.0	148.0	1.0	
		calcite veins.					
		122.6 124.5 : Feldspar Porphyry with					
		grey brown quartz feldspar biotite					
		matrix and 10 to 20 % feldspar					
		phenocryst , trace quartz vein with					
		pyrite.					
		127.5 128.2 : well banded section with					
		magnetite.					
		135.0 135.5 : banded with calcite in					
		bands , at 141.5 a 10 cm section with					
		5 % quartz calcite veins containing					
		pyrrhotite.					
		145.0 147.0 : section contain 4 quartz					
		calcite veins up to 3 cm , at 149.0					
		END OF HOLE.					

WESTMIN RESOURCES LIMITED
DIAMOND DRILL RECORD

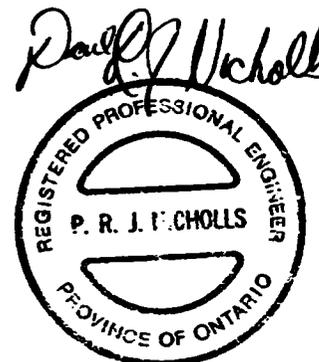
Page: 1
Coordinates: 2815N 3800 E
Elevation: 0
Dip: -50.0
Length: 146.0
Core Size:
Purpose: TEST 2-15 MHOS MAXMIN II CONDUCTOR

PROPERTY: SOUTH DETOUR CLAIMS
HOLE NO.: D-89-41

Date Started: 10/02/89
Date Completed: 11/02/89
Date Logged: 12/02/89
Logged by: JAC

Dip Tests
Depth Az. Dip
146.00 0 -50.0
from to
(m) (m)

Sample from to Length Au
No. (m) (m) (m) ppb



Depth (m)	Interval (m)	Description	Sample No.	Start (m)	End (m)	Length (m)	Au (ppb)
0.0	27.0	OVERBURDEN AND CASING					
27.0	47.7	DIORITE Medium grained, mottled green and white, massive. Equigranular amphibole, feldspar, chlorite, minor epidote. Calcite stringers and veinlets approximately 4 /m. Locally weakly magnetic. 34.1 47.7 Rusty quartz calcite veins with no visible sulphides, variably oriented between 15 and 45 degrees to core axis, approximately 1 /m. 38.7 47.7 Thin bands of Intermediate Flow and Intermediate Tuff with rusty alteration and no visible sulphides. 42.7 45.7 Diorite to Diabase.	80131	34.0	35.0	1.0	
			80132	36.0	37.0	1.0	
			80133	38.0	39.0	1.0	
			80134	40.5	42.0	1.5	
			80135	47.0	48.0	1.0	
47.7	49.3	PEGMATITE Very coarse grained mafic intrusive. Sharp contact at 55 degrees to core axis. Mottled brown and white, massive. Coarse grained biotite, feldspar, medium grained quartz. Calcite infills fractures. Weakly magnetic to 48.10 m. 48.7 49.0 2 cm thick quartz calcite vein at 12 degrees to core axis contains minor coarse grained pyrrhotite. 49.1 49.3 Irregular contact between intrusive and fine grained diorite.	80136	48.0	49.0	1.0	
49.3	57.0	DIORITE Same as above between 27.0 and 47.68. Fine grained to 49.75.	80137	52.0	53.0	1.0	
57.0	60.1	MAFIC FLOW OR SILL Gradational change from diorite to more mafic intrusive.	80138	57.0	58.0	1.0	
			80139	59.5	60.5	1.0	

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WESTMIN RESOURCES LIMITED

HOLE NO.:D-89-41

from (m)	to (m)		Sample No.	from (m)	to (m)	Length (m)	Au ppb
		Medium grained , dark green , equigranular , massive. Very occasional calcite quartz stringers.					
		57.2 58.0 Weathered, very chloritic.					
		59.8 60.1 Pervasive limonite approximately 5 %.					
		60.1 80.7 Quartz , calcite blebs and veins with rusty alteration and pyrite approximately 1 /m.					
60.1	101.0	TALC CHLORITE ROCK					
		Fine grained to medium grained , dark grey , weakly foliated at 40 degrees to core axis. Talc , amphibole , magnetite , feldspar.	80140	67.0	68.0	1.0	
		Strongly magnetic. Talcose on foliation planes.	80141	68.0	69.0	1.0	
		101.0 100.9 Very broken and soft with rusty alteration.	80142	69.5	71.0	1.5	
		92.1 92.7 Quartz , tremolite, serpentine veins, 4cm and 2cm wide.	80143	73.0	74.0	1.0	
		89.8 92.7 Very soft , talcose quartz carbonate vein with serpentine.	80144	75.0	76.5	1.5	
		94.0 94.9 Fe-carb stringers.	80145	80.0	81.0	1.0	
			80146	92.0	93.5	1.5	
			80147	93.5	95.0	1.5	
			80148	96.0	97.0	1.0	
			80149	100.0	101.1	1.1	
101.0	108.3	MAFIC TO INTERMEDIATE TUFF					
		101.0 102.4 Same as above but non-magnetic, harder, containing less talc. Well developed foliation at 20 degrees to core axis. Foliation wavy, off-set by serpentine chlorite stringer.					
		102.6 108.9 Fine grained dark green , non-magnetic. Foliation at 25 degrees to core axis. Minor calcite stringers.					
108.3	114.8	MAFIC FLOW OR SILL					
		Mafic Intrusive. Medium grained chlorite in fine grained chlorite and feldspar groundmass.	80150	110.8	111.8	1.0	
		Gradational contact. Dark green , massive to slightly foliated. No calcite or quartz stringers.					
		110.8 111.3 Irregular foliation , some quartz veining with very minor pyrite or chalcopryrite in quartz vein.					
114.8	116.4	MAFIC FLOW OR SILL					
		Same as above between 108.25 and 114.8 m. Interstitial and stringer calcite. Weak foliation at 55 degrees to core	80151	115.0	116.0	1.0	

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WESTMIN RESOURCES LIMITED
HOLE NO.: D-89-41

from (m)	to (m)		Sample No.	from (m)	to (m)	Length (m)	Au ppb
		axis , trace chalcopryite at 115.37 meters.					
116.4	122.8	MUDSTONE					
		Pale grey to medium grey. Very fine grained and medium fine grained bands. Disseminated and stringer pyrite , pyrrhotite , chalcopryite approximately 1 to 3 % , occasionally up to 20% over 1-2cm.	80152	116.5	118.0	1.5	
			80153	118.0	119.0	1.0	
			80154	119.0	120.0	1.0	
			80155	120.0	121.0	1.0	
			80156	121.0	122.0	1.0	
			80157	122.0	123.0	1.0	
		116.4 122.8 Interbedded Mudstone , Quartz-Biotite-Feldspar Schist and Chert.					
		121.9 122.8 Chlorite-biotite-quartz sediment.					
122.8	131.6	MAFIC TO INTERMEDIATE TUFF					
		Fine grained to medium grained with coarse grained chlorite in amphibole , feldspar matrix.	80158	123.0	124.0	1.0	
			80159	124.0	125.0	1.0	
			80160	125.0	126.0	1.0	
		Minor disseminated pyrrhotite , pyrite.	80161	126.0	127.0	1.0	
		Contains pyrrhotite , pyrite stringers and numerous calcite stringers.	80162	127.0	128.0	1.0	
			80163	128.0	129.5	1.5	
		Foliation at 45 degrees to core axis.	80164	129.5	131.0	1.5	
		124.8 127.1 Thin quartz , calcite , feldspar veins approximately 1 /m.	80165	131.0	132.5	1.5	
		126.35 pyrrhotite , chalcopryite stringer approximately 15 %.					
		127.3 131.6 Transition between Mafic to Intermediate Tuff and Gabbro.					
131.6	137.9	GABBRO					
		Coarse grained , weakly foliated.	80166	132.5	134.0	1.5	
		Coarse chlorite and amphibole in amphibole , feldspar groundmass.	80167	134.0	135.0	1.0	
			80168	135.0	136.0	1.0	
		Trace disseminated sulphides , quartz calcite stringers and veins approximately 4 to 5 /m.	80169	136.0	137.0	1.0	
			80170	137.0	138.0	1.0	
137.9	146.0	MAFIC VOLCANIC FLOW					
		Dark green , medium grained , with 15 % white, hard alteration mineral (appears to overprint other minerals).	80171	138.0	139.0	1.0	
			80172	139.0	140.0	1.0	
		Minor disseminated sulphides.	80173	140.0	141.5	1.5	
		Foliation well developed at 40 degrees to core axis.	80174	142.5	143.5	1.0	
			80175	143.5	144.5	1.0	
		139.1 139.5 90 % quartz calcite vein with less than 3 % coarse biotite. No visible sulphides. END OF HOLE.					

Page: 1
 Co-ords: 1825N 4600 E
 Az .n: .0
 Dip: -50.0
 Length: 149.0
 Core Size: BQ
 Purpose: test geophysical target

WESTMIN RESOURCES LIMITED
 DIAMOND DRILL RECORD

PROPERTY: SOUTH DETOUR CLAIMS
 HOLE NO.: D-89-42

Date Started: 12/02/89
 Date Completed: 13/02/89
 Date Logged: 14/02/89
 Logged by: e.m

Dip Tests
 Depth Az. Dip
 149.00 .0 -50.0
 from to
 (m) (m)

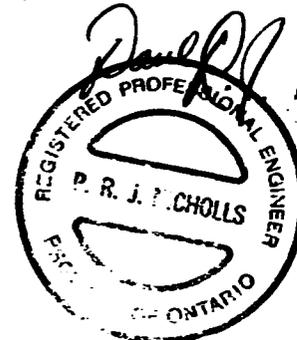
Sample from to Length Au
 No. (m) (m) (m) ppb

.0 47.0 OVERBURDEN AND CASING

47.0 73.7 INTERMEDIATE CRYSTAL TUFF

Medium to light grey in colour, fine grained quartz feldspar matrix foliated at 45 degrees to core axis, 2 to 3 % fine grained subhedral feldspar crystals with trace blue white quartz eyes. minor pyrite locally as fine to medium grained euhedral crystals, 2 to 3 % calcite in matrix.
 48.0 49.0 : trace quartz calcite veining and quartz carbonate veins at 50 degrees to core axis. Veins have fe staining along rims.
 49.0 58.2 : broken core from 49.0 to 51.0 (70 % recovery). More coarse grained matrix, weathered and leached rock 1 to 2 % quartz calcite veins and vuggy quartz with trace fine grained rusty pyrite. Greater percentage of calcite in matrix
 53.5 53.8 : section with microfaulted quartz calcite veins trace pyrite.
 58.2 60.5 : section with minor pyrite in bands at 45 degrees to core axis, trace quartz carbonate veins and fe staining.
 60.5 61.8 : weathered rock with possible chloritic alteration, minor quartz calcite veining weak fe staining, greater crystal size, somewhat squeezed appearance.
 61.8 63.5 Matrix more coarse grained fe staining throughout.
 63.5 67.5 : similar to 60.5 to 61.80 with minor boudinaged quartz veins and vuggy texture. Broken core 66.0 68.0.
 68.2 68.7 Similar to above.
 68.7 70.0 : trace to 1 % subhedral to euhedral fine grained pyrite in matrix.
 70.0 73.7 Crystals becoming larger and more frequent, up to 5 %, trace blue

80223	48.0	49.0	1.0
80224	49.0	50.5	1.5
80225	50.5	52.0	1.5
80226	52.0	53.0	1.0
80227	53.0	54.0	1.0
80228	54.0	55.5	1.5
80229	55.5	57.0	1.5
80230	57.0	58.0	1.0
80231	58.0	59.0	1.0
80232	59.0	60.0	1.0
80233	60.0	61.0	1.0
80234	61.0	62.0	1.0
80235	62.0	63.0	1.0
80236	63.0	64.5	1.5
80237	64.5	66.0	1.5
80238	66.0	67.5	1.5
80239	67.5	69.0	1.5
80240	69.0	70.0	1.0
80241	70.0	71.0	1.0
80242	71.0	72.0	1.0
80243	72.0	73.5	1.5
80244	73.5	75.0	1.5



from (m)	to (m)		Sample No.	from (m)	to (m)	Length (m)	Au ppb
		quartz eyes locally minor pyrite	71.3				
		71.9 : quartz vein at parallel to core axis with trace chloritic inclusions , trace pyrite on contacts	72.8 73.1				
		section with 5 % fine grained pyrite in bands at 45 degrees to core axis.					
		73.0 77.0 : as above with trace fine grained pyrite.					
73.7	149.0	GREYWACKE					
		Arkosic wacke.	80245	75.0	76.0	1.0	
		Graded contact , light grey in colour , up to 60 to 70 % feldspar composition , 10 to 30 % argillaceous or silty composition. poor to medium well sorted with calcite cement , bedded at 45 degrees to core axis.	80246	76.0	77.0	1.0	
		77.0 81.0 : very fine grained , slightly darker grey in colour.	80247	81.0	82.0	1.0	
		81.0 82.0 : section with trace to 1 % calcite stringers , rusty sections associated with minor pyrite in matrix.	80248	82.0	83.0	1.0	
		82.0 94.5 : trace local calcite stringers with greater percentage calcite in matrix , trace blue quartz eyes	80249	83.0	84.0	1.0	
		82.0 83.5 : trace quartz calcite veins plus boudinaged quartz veins and clasts , minor pyrite in thin lense , possible pyrrhotite in 1 cm quartz vein at 83.15	80250	84.0	85.0	1.0	
		84.8 86.0 : similar to above with no pyrrhotite	80251	85.0	86.0	1.0	
		89.0 89.2 : rusty section with trace quartz calcite vein.	80252	89.0	90.0	1.0	
		94.5 99.3 : coarse grained section with approximately 30 % calcite in matrix and 5 to 7 % chlorite , trace quartz calcite veining	80253	94.5	96.0	1.5	
		94.5 96.0 : trace to 1 % quartz calcite vein with minor pyrite	80254	96.0	97.5	1.5	
		96.8 97.1 : quartz calcite vein at 10 degrees to core axis , up to 1 cm thick with trace pyrite.	80255	104.0	105.0	1.0	
		99.3 107.2 : less coarse grained , poorly sorted , trace local rusty quartz carbonate veins at 104.3 to 104.5 with minor euhedral pyrite.	80256	108.0	109.0	1.0	
		107.2 128.0 : medium to coarse grained section with grains 2 to 3 mm in diameter. Sharp contact with above fine grained section higher argillaceous composition , poorly sorted more well bedded at 45 degrees to core axis , argillaceous composition concentration in thin beds alternating arkosic beds	80257	109.0	110.0	1.0	
		108.3 : 1 cm	80258	113.0	114.0	1.0	
			80259	124.0	125.0	1.0	
			80260	125.0	126.0	1.0	
			80261	131.0	132.0	1.0	
			80262	132.0	133.0	1.0	
			80263	134.5	136.0	1.5	
			80264	136.0	137.5	1.5	
			80265	141.5	142.5	1.0	
			80266	142.5	144.0	1.5	
			80267	146.0	147.5	1.5	
			80268	147.5	149.0	1.5	

Page: 3

WESTMIN RESOURCES LIMITED

HOLE NO.:D-89-42

from to
(m) (m)

Sample from to Length Au
No. (m) (m) (m) ppb

quartz vein with trace epidote. 109.0
to 110.0 approximately 10 % calcite
stringers at various angles to core
axis trace matrix inclusions in
quartz boudins 113.0 113.5 :
approximately 5 % quartz calcite vein
at 35 to 70 degrees to core axis
124.5 125.0 : approximately 5 % milky
white quartz calcite veins , no
sulphidess 125.5 126.0 : section with
trace to 1 % thin pyrite bands at 45
degrees to core axis.
128.0 143.0 : well pronounced bedding
at 45 degrees to core axis 131.3
131.6 : section with 5 % quartz
selvages and crenulation cleavage in
matrix , no sulphidess 131.9 132.5 :
section with up to quartz , quartz
calcite veins up to 4 cm thick
orangish alteration of quartz , trace
euhedral pyrite crystals in wallrock
134.5 137.1 : approximately 10 %
quartz calcite veins with trace pyrite
in veins and wallrock , greater
chloritic composition plus
reddish-pink colour towards end of
section possibly hematite , trace
epidote associated with quartz along
fracture planes 141.7 142.1 :
approximately 10 % quartz calcite
veins at 45 to 60 degrees to core axis
, no sulphides 143.0 149.0 : trace
local pyrite in bands , subhedral and
fine grained at 143.0 to 144.0 , 146.0
to 147.0 , 148.0 to 149.0 , at 149.00
END OF HOLE.

Page: 1
 Co-ords: 2240N 4900 E
 Az. h: .0
 Dip: -50.0
 Length: 164.0
 Core Size: 80
 Purpose: Test Conductor

WESTMIN RESOURCES LIMITED
 DIAMOND DRILL RECORD

PROPERTY: SOUTH DETOUR CLAIMS
 HOLE NO.: D-89-43

Date Started: 13/02/89
 Date Completed: 15/02/89
 Date Logged: 16/02/89
 Logged by: PRJM

Dip Tests

Depth Az. Dip
 164.00 .0 -40.0

from to
 (m) (m)

Sample from to Length Au
 No. (m) (m) (m) ppb

.0 42.8 OVERBURDEN AND CASING

42.8 66.2 MAFIC FLOW OR SILL

Medium to coarse grained massive mafic rock with 10 % dark green amphibole in medium green amphibole feldspar matrix, trace white mineral as irregular crystals.

54.5 57.0 : trace to white quartz calcite veins.

59.0 59.3 : core broken, vuggy, minor quartz veins.

60.5 66.2 : unit contain up to 15 % brown biotite, 5 % calcite, trace pyrite and pyrrhotite, trace quartz calcite veining.

80300	54.5	56.0	1.5
80301	56.0	57.0	1.0
80302	59.0	59.5	.5
80303	59.5	60.5	1.0
80304	60.5	61.5	1.0
80305	61.5	62.5	1.0
80306	62.5	64.0	1.5
80307	64.0	65.0	1.0
80308	65.0	66.0	1.0
80309	66.0	67.0	1.0

66.2 88.8 GRAPHITE

Fine grained dark grey well banded unit with trace to 90 % graphite, banding at 60 degrees to core axis.

66.2 70.0 : core broken, vuggy, medium green grey to grey foliated unit with no calcite, trace to 1 % pyrite, 80 % core recovery.

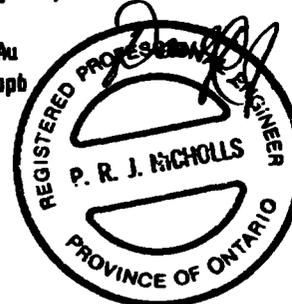
70.0 73.2 : 2 to 5 % graphite in thin bands, trace to 2 % pyrite, quartz vein with pyrite at 70.8 to 70.9, rusty fractures common.

73.2 73.5 : 50 % quartz veining with pyrite, quartz locally as crystals.

73.5 88.8 : graphitic with 20 to 90 % graphite, banded at 60 degrees to core axis, trace to 10 % pyrite as small pods, quartz veins at 79.7, 80.5, and 80.9, core broken between 85.2 and 86.0, at 87.4 a 5 cm quartz vein, 1 % chalcopryrite at 88.7 in a 5 cm section.

80310	67.0	68.0	1.0
80311	68.0	69.0	1.0
80312	69.0	70.0	1.0
80313	70.0	71.0	1.0
80314	71.0	72.0	1.0
80315	72.0	73.0	1.0
80316	73.0	74.0	1.0
80317	74.0	75.0	1.0
80318	75.0	76.0	1.0
80319	76.0	77.0	1.0
80320	77.0	78.0	1.0
80321	78.0	79.0	1.0
80322	79.0	80.0	1.0
80323	80.0	81.0	1.0
80324	81.0	82.0	1.0
80325	82.0	83.0	1.0
80326	83.0	84.0	1.0
80327	84.0	85.0	1.0
80328	85.0	86.0	1.0
80329	86.0	87.0	1.0
80330	87.0	88.0	1.0
80331	88.0	89.0	1.0

88.8 95.3 INTERMEDIATE TUFF



Page: 2

WESTMIN RESOURCES LIMITED
HOLE NO.:D-89-43

from (m)	to (m)		Sample No.	from (m)	to (m)	Length (m)	Au ppb
		Fine grained , light green grey , massive to well banded rock , banding at 60 degrees to core axis , trace to 2 % quartz veins , graphitic bands at 89.8 , 90.5 , and 91.2. Trace chalcopyrite in thin quartz vein at 91.2.	80332	89.0	90.0	1.0	
			80333	90.0	91.0	1.0	
			80334	91.0	92.0	1.0	
95.3	107.0	MAFIC TO INTERMEDIATE TUFF					
		Fine grained brown grey to medium green grey banded unit , banding at 50 degrees to core axis , trace to 5 % light fragments up to 2 mm , trace feldspar phenocrysts.	80335	97.0	98.0	1.0	
			80336	98.0	99.0	1.0	
			80337	99.0	100.0	1.0	
			80338	100.0	101.0	1.0	
			80339	104.0	105.0	1.0	
		97.8 100.7 : unit more massive , 1 to 2 % vugs with trace pyrite trace vuggy quartz veins.	80340	105.0	106.0	1.0	
			80341	106.0	107.0	1.0	
		100.7 104.5 : light brown grey well banded at 50 degrees to core axis.					
		104.5 104.8 : 70 % graphitic with trace pyrite.					
		104.8 107.0 : trace graphite.					
107.0	119.0	MAFIC VOLCANIC FLOW					
		Medium brown massive to poorly foliated unit with trace to 5 % calcite as amygdule , trace quartz calcite veins , trace to 5 % calcite in matrix , trace disseminated sulphides between 113.0 and 119.0.	80342	107.0	108.0	1.0	
			80343	108.0	109.0	1.0	
			80344	109.0	110.0	1.0	
			80345	110.0	111.0	1.0	
			80346	111.0	112.0	1.0	
			80347	112.0	113.0	1.0	
			80348	113.0	114.0	1.0	
			80349	114.0	115.0	1.0	
			80350	115.0	116.0	1.0	
			80388	116.0	117.0	1.0	
			80351	117.0	118.0	1.0	
			80352	118.0	119.0	1.0	
119.0	126.3	GRAPHITE					
		Similar to above , massive to well banded at 60 degrees to core axis , trace to 5 % pyrite and up to 2 % pyrrhotite , trace quartz vein.	80353	119.0	120.0	1.0	
			80354	120.0	121.0	1.0	
			80355	121.0	122.0	1.0	
			80356	122.0	123.0	1.0	
		121.5 121.6 : 60 % quartz veining.	80357	123.0	124.0	1.0	
			80358	124.0	125.0	1.0	
			80359	125.0	126.0	1.0	
			80360	126.0	127.0	1.0	
126.3	130.9	MAFIC VOLCANIC FLOW					
		Medium brown grey massive to foliated flow with trace to 5 % calcite filled amygdules , trace calcite in fractures , 5 % calcite in matrix , at 128.3 a 6	80361	127.0	128.0	1.0	
			80362	128.0	129.0	1.0	
			80363	129.0	130.0	1.0	
			80364	130.0	131.0	1.0	

Page: 3

WESTMIN RESOURCES LIMITED

HOLE NO.: D-89-43

from (m)	to (m)		Sample No.	from (m)	to (m)	Length (m)	Au ppb
		ca cherty zone with pyrite. 129.5 130.4 : banded trace quartz vein , up to 1 % pyrite in bands , minor graphite.					
130.9	132.8	GRAPHITE Similar to above with trace to 1 % pyrite and pyrrhotite. 131.8 132.8 : 5 % quartz vein with minor sulphidess.	80365 80366	131.0 132.0	132.0 133.0	1.0 1.0	
132.8	139.3	MAFIC VOLCANIC FLOW Medium green massive to foliated flow with 5 % small mafic crystals , up to 5 % biotite , 2 to 5 % calcite in matrix , trace quartz calcite veins.	80367	139.0	140.0	1.0	
139.3	143.0	INTERMEDIATE TUFF Fine grained medium green grey banded unit , banding at 50 degrees to core axis , brecciated with 5 to 10 % quartz calcite veins , trace graphite and pyrite , possible sediment.	80368 80369 80370	140.0 141.0 142.0	141.0 142.0 143.0	1.0 1.0 1.0	
143.0	149.0	GRAPHITE Similar to above. 143.0 143.5 : 60 % graphite with pyrrhotite. 143.5 146.2 : unit brecciated trace graphite , trace to 10 % brown biotite. 146.2 149.0 : trace to 30 % graphite with up to 10 % pyrrhotite , 30 % quartz veining between 147.3 and 147.6 , up to 1 % chalcopyrite between 147.6 and 148.6.	80371 80372 80373 80374 80375 80376	143.0 144.0 145.0 146.0 147.0 148.0	144.0 145.0 146.0 147.0 148.0 149.0	1.0 1.0 1.0 1.0 1.0 1.0	
149.0	159.3	INTERMEDIATE TUFF Similar to above , massive to banded , bands are 1 to 2 cm thick , at 50 degrees to core axis , possible sediment. 149.5 151.5 : trace to 5 % quartz calcite veins. 153.7 154.5 : trace to 5 % quartz calcite veins. 157.6 157.7 : 10 % banded to brecciated pyrrhotite. 159.0 159.2 : cherty banded unit with calcite and 5 % biotite.	80377 80378 80379 80380 80381 80382 80383 80384	149.0 150.5 152.0 153.5 155.0 156.5 157.5 158.0	150.5 152.0 153.5 155.0 156.5 157.5 158.0 159.5	1.5 1.5 1.5 1.5 1.5 1.0 1.5 1.5	

Page: 4

WESTMIN RESOURCES LIMITED
HOLE NO.:D-89-43

from (m)	to (m)		Sample No.	from (m)	to (m)	Length (m)	Au ppb
159.3	164.0	MAFIC VOLCANIC FLOW					
		Similar to 107.0 to 119.0 , up to 5 % calcite amygdale , trace pyrite in fractures.	80385	159.5	161.0	1.5	
			80386	161.0	162.5	1.5	
			80387	162.5	164.0	1.5	
		160.5 161.0 : 10 % calcite veins.					
		163.0 164.0 : 5 to 10 % calcite in veins , at 164.0 END OF HOLE.					

Page: 1
 Co-ords: 1560N 5200 E
 A. ch: .0
 Dip: -50.0
 Length: 134.0
 Core Size: BQ
 Purpose: TEST <2 MHQS MAXMIN II CONDUCTOR

WESTMIN RESOURCES LIMITED
 DIAMOND DRILL RECORD

PROPERTY: SOUTH DETOUR CLAIMS
 HOLE NO.: D-89-44

Date Started: 14/02/89
 Date Completed: 16/02/89
 Date Logged: 16/02/89
 Logged by: jac

Dip Tests
 Depth Az. Dip
 134.00 .0 -36.0
 from to
 (m) (m)

Sample from to Length Au
 No. (m) (m) (m) ppb

.0 10.3 OVERBURDEN AND CASING

10.3 134.0 INTERMEDIATE TUFF

Medium greenish-grey, fine grained, hard, with well developed foliation at 50 degrees to core axis. Feldspar, chlorite, quartz, sericite. Locally minor stringer pyrite.

10.3 15.9 Locally very broken between 10.25 to 10.3, 11.23 to 11.38, 11.75 to 11.8, 15.75 to 15.9.

11.1 18.0 Quartz, calcite, dolomite (or siderite) approximately 5 cm thick at 11.1, 12.1, 14.65, 14.9 and 17.9. Generally perpendicular to core axis.

14.9 15.2 Quartz, feldspar vein with minor calcite in brecciated wallrock. Minor pyrite in tuff. Wallrock is talcose. Also between 32.9 to 33.16.

16.0 16.3 Pale green, increased sericite content, stringer and disseminated pyrite approximately 3%.

16.4 20.0 Quartz, feldspar vein generally at 40 degrees to core axis for approximately 50% of interval. Minor pyrite stringers in wallrock, trace pyrite in veins.

22.4 22.4 Rusty zone and calcite stringer. No visible sulphides. Also between 27.75 and 27.85, 29.7 and 29.95.

23.9 24.2 Poorly sorted Intermediate Lapilli Tuff. Feldspar, chlorite matrix with feldspar lapilli elongate parallel to foliation at 45 degrees to core axis. Large quartz bleb with pyrite.

24.6 25.3 Weathered rusty zone, interstitial and stringer calcite possible Fe-carbonate also.

30.4 31.0 Rusty calcite and quartz veins at 45 degrees to core axis. Wallrock brecciated on upper contact.

80467	11.0	12.5	1.5
80468	13.0	14.0	1.0
80469	14.0	15.5	1.5
80470	16.0	17.0	1.0
80471	17.0	18.5	1.5
80472	18.5	20.0	1.5
80473	24.0	25.5	1.5
80474	29.5	31.0	1.5
80475	32.5	33.5	1.0
80476	33.5	35.0	1.5
80477	35.0	36.5	1.5
80478	46.5	48.0	1.5
80479	48.0	49.5	1.5
80480	58.0	59.5	1.5
80481	64.5	66.0	1.5
80482	81.5	83.0	1.5
80483	90.5	92.0	1.5
80484	93.0	94.0	1.0
80485	98.0	99.5	1.5
80486	99.5	101.0	1.5
80487	115.0	116.0	1.0
80488	123.0	124.0	1.0
80489	124.0	125.0	1.0
80490	125.5	127.0	1.5
80491	128.5	130.0	1.5
80492	130.0	131.0	1.0
80493	131.0	132.0	1.0



Page: 2

WESTMIN RESOURCES LIMITED
HOLE NO.:D-89-44from to
(m) (m)Sample from to Length Au
No. (m) (m) (m) ppb

33.8 34.6 Sericite-Quartz Schist. Fine grained , schistosity at 50 degrees to core axis. Minor green mica , chlorite and , locally , pinkish feldspar (K alteration). disseminated pyrite approximately 10%. Also between 58.3 and 59.33.

35.0 36.4 Dark grey , fine grained with thin bands of feldspar , quartz fragments parallel to foliation. Minor rusty quartz , calcite stringers. Minor disseminated pyrite.

36.4 37.8 Quartz , calcite vein , 3 cm thick approximately 5 % of interval.

46.0 49.6 Numerous quartz veinlets generally parallel to foliation. Disseminated pyrite approximately 2%.

81.5 81.8 Same as above 46.0 to 49.6.

82.0 82.6 Numerous rusty calcite stringers same as above 30.42 to 31.0.

88.2 89.0 Medium grained Intermediate Tuff with 3 to 5 % interstitial calcite.

89.7 86.2 Same as above 88.15 to 89.0.

90.8 91.6 Biotite , sericite , quartz schist with 10 to 15% disseminated pyrite.

98.3 98.4 2 cm thick at 60 degrees to core axis , minor pyrite on margin. Also at 99.55 99.6.

100.3 100.7 Mottled black and white. Fine grained biotite approximately 40 % , coarse , elongate , feldspar , quartz aggregates. Possible sheared porphyry. quartz bleb in thick biotite band. Pyrite approximately 5 %.

115.5 115.7 Quartz vein with minor pyrite stringer.

120.8 134.0 Calcite rich bands with approximately 3 % disseminated and stringer pyrite (locally) comprise 90 % of interval.

123.1 123.6 Calcite , biotite , quartz veins in chlorite , biotite , feldspar , talc rock. Foliation deformed parallel to core axis, sheared. Pyrite approximately 10 % , chalcopyrite less than 3 %.

124.3 124.5 Quartz , calcite vein at 80 to 90 degrees to core axis with talcose inclusions and margins. 134
END OF HOLE.

Page: 1
 Co-ords: 1725N 5700 E
 Az.: .0
 Dip: -50.0
 Length: 137.0
 Core Size: BQ
 Purpose: TEST (2 MHOS MAXMIN 11 CONDUCTOR

WESTMIN RESOURCES LIMITED
 DIAMOND DRILL RECORD

PROPERTY: SOUTH DETOUR CLAIMS
 HOLE NO.: D-89-45

Date Started: 12/02/89
 Date Completed: 13/02/89
 Date Logged: 14/02/89
 Logged by: JAC

Dip Tests
 Depth Az. Dip
 128.00 .0 -50.0
 from to
 (m) (m)

Sample from to Length Au
 No. (m) (m) (m) ppb

.0 28.0 OVERBURDEN AND CASING

28.0 84.3 QUARTZ-BIOTITE-FELDSPAR SCHIST

Interbedded Quartz-Biotite-Feldspar Schist , Greywacke , Mudstone.
 Grey , medium grained. Bedding and schistosity parallel and well developed at 45 degrees to core axis.
 Calcite , quartz veins and blebs at various orientations , approximately 3 to 4 /m. Rusty at 34.5 meters.
 46.7 47.0 Sericite schist. Pale grey-green , strong schistosity at 45 degrees to core axis.
 47.0 66.0 Minor disseminated pyrite and pyrite , pyrrhotite stringers.
 47.0 47.3 Sericitic Quartz-Biotite-Feldspar Schist with less than 3 % disseminated pyrite , coarse calcite quartz bleb with 5 % coarse pyrrhotite. Bleb distorts foliation.
 47.50 Ptygmatically folded quartz vein with minor pyrite. No calcite.
 54.4 54.6 Rusty calcite stringers and vugs.
 64.8 65.4 Quartz veining with 5 % pyrite and pyrrhotite in vein and disseminated in sediments.
 66.0 68.0 Stringer and disseminated pyrite approximately 3 %.
 66.0 66.1 Very broken.
 66.1 77.2 Carbonate Rock - Intermediate Tuff in sediments, intervals are .5 to 1 meters thick. medium grained , medium grey-green , feldspar , chlorite and possible fragments with abundant interstitial and stringer calcite.
 74.0 84.3 Minor disseminated pyrite.

80269 34.0 35.0 1.0
 80270 47.0 48.0 1.0
 80271 48.0 49.0 1.0
 80272 52.0 53.0 1.0
 80273 53.0 54.5 1.5
 80274 54.5 56.0 1.5
 80275 57.5 58.5 1.0
 80276 62.0 63.0 1.0
 80277 64.0 65.0 1.0
 80278 65.0 66.0 1.0
 80279 67.0 68.0 1.0
 80280 72.0 73.0 1.0
 80281 74.0 75.0 1.0
 80282 76.5 78.0 1.5
 80283 80.0 81.5 1.5
 80284 83.0 84.5 1.5

84.3 108.9 INTERMEDIATE TUFF

Abundant interstitial calcite.

80285 84.5 86.0 1.5



from (m)	to (m)		Sample No.	from (m)	to (m)	Length (m)	Au ppb
		Same as above between 66.1 and 77.2.	80286	86.0	87.0	1.0	
		Hard, medium grained to fine grained ,	80287	87.0	88.0	1.0	
		well developed foliation at 45 degrees	80288	88.0	89.0	1.0	
		to core axis.	80289	89.0	90.0	1.0	
		Small chlorite aggregates along	80290	90.0	91.0	1.0	
		foliation planes and occasional lithic	80291	91.0	92.0	1.0	
		fragments (at 97.90m).	80292	92.0	93.5	1.5	
		3 to 5 % coarse disseminated pyrite to	80293	93.5	95.0	1.5	
		93.0.	80294	98.0	99.0	1.0	
		Calcite , quartz , tourmaline blebs	80295	100.0	101.0	1.0	
		and calcite , quartz veins both	80296	101.0	102.5	1.5	
		contain pyrite.	80297	107.0	108.0	1.0	
		91.6 to 96.85 numerous quartz					
		carbonate veins parallel to core axis					
		at 96.75 trace galena or molybdenite.					
		85.6 86.2 Same as above between 28.0					
		and 84.35. coarse disseminated pyrite					
		approximately 3 % at 89.0 meters ,					
		89.75 to 89.95 and 102.11 to 102.20 ,					
		1 to 2 cm thick quartz calcite vein					
		with 5 % disseminated pyrite in					
		carbonate rock at margin.					
		105.5 108.9 Intercalated calcite rich					
		rock and Intermediate Tuff. numerous					
		calcite stringers, minor disseminated					
		pyrite. 1 cm thick quartz vein at 35					
		degrees to core axis.					
108.9	137.0	QUARTZ-BIOTITE-FELDSPAR SCHIST					
		Interbedded Quartz-Biotite-Feldspar	80298	129.5	130.5	1.0	
		Schist and Mudstone.	80299	135.5	136.8	1.3	
		Dark grey , very fine grained to fine					
		grained. Quartz-Biotite-Feldspar					
		Schist shows distinct bedding at 40					
		degrees to core axis.					
		Mudstone is thickly bedded.					
		Minor disseminated pyrite , few					
		calcite stringers. 1 to 2 calcite rich					
		bands /m, 2 to 3 cm thick.					
		113.2 113.6 Same as above between					
		84.35 to 108.95.					
		129.7 129.8 Chlorite rich stringer					
		adjacent to a calcite quartz veinlet.					
		135.6 136.8 60 % quartz vein with					
		minor calcite , chlorite. No sulphides					
		in vein but minor pyrite in sediments					
		adjacent to quartz vein. END OF HOLE.					

Page: 1
 Co-ords: 2840N 5800 E
 Az. : .0
 Dip: -50.0
 Length: 143.0
 Core Size: 80
 Purpose: Test Conductor

WESTMIN RESOURCES LIMITED
 DIAMOND DRILL RECORD

PROPERTY: SOUTH DETOUR CLAIMS
 HOLE NO.: D-89-46

Date Started: 15/02/89
 Date Completed: 16/02/89
 Date Logged: 18/02/89
 Logged by: PRJN

Dip Tests
 Depth Az. Dip
 143.00 .0 -50.0
 from to
 (m) (m)

Sample from to Length Au
 No. (m) (m) (m) ppb

.0 40.0 OVERBURDEN AND CASING

40.0 81.5 GABBRO

Medium to coarse grained equigranular massive medium to dark grey green, unit is magnetic between 40.0 and 63.3, at 63.3 unit becomes lighter green in colour, rock contain 10 to 20 % dark amphibole crystals in an amphibole feldspar matrix.

40.0 46.7 : trace to 2 % quartz vein, minor calcite, trace black chlorite.

46.7 47.0 : 10 to 15 % quartz vein with trace to 5 % black chlorite.

47.0 55.0 : trace quartz veins with black chlorite.

59.5 60.5 : fine grained chloritic section, minor broken core.

60.5 63.3 : dark green grey, 2 to 5 % thin quartz vein.

63.3 67.2 : medium green in colour with 2 % quartz in fractures, trace biotite.

67.2 68.1 : 10 % disseminated brown biotite.

68.1 68.7 : fine grained massive quartz feldspar rock, possible intrusive.

68.7 81.5 : fine to medium grained massive mafic unit, flow ?.

80509	40.0	41.0	1.0
80510	41.0	42.0	1.0
80511	42.0	43.0	1.0
80512	43.0	44.0	1.0
80513	44.0	45.0	1.0
80514	45.0	46.5	1.5
80515	46.5	47.0	.5
80516	47.0	48.0	1.0
80517	48.0	49.0	1.0
80518	49.0	50.0	1.0
80519	50.0	51.0	1.0
80520	51.0	52.0	1.0
80521	52.0	53.0	1.0
80522	53.0	54.0	1.0
80523	54.0	55.0	1.0
80524	60.5	61.5	1.0
80525	61.5	62.5	1.0
80526	62.5	63.5	1.0
80527	63.5	65.0	1.5
80528	65.0	66.5	1.5
80529	66.5	68.0	1.5
80530	68.0	69.0	1.0

81.5 94.3 FELSIC TUFF

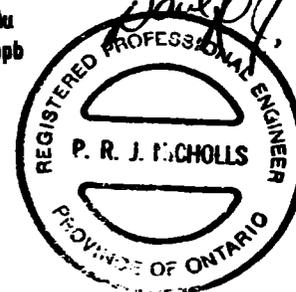
Fine grained grey white quartz feldspar rock, massive to banded at 60 degrees to core axis, trace chlorite in veins.

81.5 82.5 : well banded at upper contact, trace chalcopyrite, minor pyrrhotite and pyrite.

82.5 83.2 : fine grained green mafic intrusive with irregular contact at 0 to 60 degrees to core axis.

83.2 85.1 : fine grained massive

80531	81.5	82.5	1.0
80532	82.5	83.5	1.0
80533	83.5	84.5	1.0
80534	84.5	85.5	1.0
80535	85.5	87.0	1.5
80536	87.0	88.0	1.0
80537	88.0	89.0	1.0
80538	89.0	90.1	1.1
80539	90.1	92.0	1.9
80540	92.0	93.5	1.5
80541	93.5	94.5	1.0



Page: 3

WESTMIN RESOURCES LIMITED
HOLE NO.:D-89-46from to
(m) (m)Sample from to Length Au
No. (m) (m) (m) ppb128.0 128.8 : trace to 5 % veining
with epidote , veins at 0 to 40
degrees to core axis.

130.5 132.5 : trace to 2 % veining.

132.5 143.0 : trace to 5 % veining ,
quartz and calcite , epidote , at139.7 a 1 cm quartz vein at 60 degrees
to core axis with trace chlorite , at

143.0 END OF HOLE.

Page: 1
 Co-ords: 2210N 6300 E
 Az h: .0
 Dip: -50.0
 Length: 140.0
 Core Size: B9
 Purpose: Test geophysical conductor

WESTMIN RESOURCES LIMITED
 DIAMOND DRILL RECORD

PROPERTY: SOUTH DETOUR CLAIMS
 HOLE NO.: D-89-47

Date Started: 13/02/89
 Date Completed: 15/02/89
 Date Logged: 16/02/89
 Logged by: E.N.

Dip Tests
 Depth Az. Dip
 140.00 .0 -50.0
 from to
 (m) (m)

Sample from to Length Au
 No. (m) (m) (m) ppb

.0 58.0 OVERBURDEN AND CASING

58.0 58.9 GRAPHITE

Massive to banded, fine grained 70 to 100 % graphite, locally 100% metallic graphite, h=2-3, dark black to dark grey in colour, locally vuggy texture. 2 to 3 % quartz veining throughout with generally minor calcite veinlets up to 10 % locally. Trace to 2 % pyrite in matrix with up to 40 % locally occurring as: fine grained disseminated euhedral crystals and thin veinlets, framboidal clusters in matrix and proximal to vein contacts up to 2 cm in diameter, pyritic oolids up to 1 cm in diameter, spherulitic or nodular pyrite with crystals radiating outward from center. Trace to with % fine grained anhedral to subhedral disseminated pyrrhotite.

80389 58.0 59.0 1.0

58.9 61.5 FELSIC TUFF

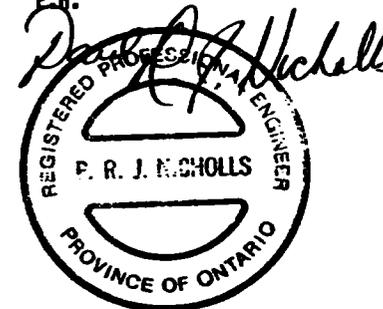
Felsic Tuff with graphite interlayers. Light to dark grey weak fine to medium grained feldspar quartz matrix, h = 6. Contact with graphitic unit at 30 degrees to core axis. highly magnetic, foliated at 20 degrees to core axis. Trace to 5 % chlorite, trace disseminated black biotite. 59.8 60.5 : weathered and broken core.

80390 59.0 60.0 1.0
 80391 60.0 61.0 1.0
 80392 61.0 62.8 1.8

61.5 83.9 GRAPHITE

Similar to 58.0 59.0.
 61.5 62.0 : approximately 5 % banded pyrite within graphite, trace reddish-pink alteration on broken fracture face.
 62.0 62.8 Quartz vein parallel to core axis containing trace to 1 % pyrite

80393 62.8 63.3 .5
 80394 63.3 64.0 .7
 80395 64.0 65.0 1.0
 80396 65.0 66.0 1.0
 80397 66.0 67.0 1.0
 80398 67.0 68.0 1.0
 80399 68.0 69.0 1.0



from (m)	to (m)		Sample No.	from (m)	to (m)	Length (m)	Au ppb
		section of banded pyrite chert at 45 degrees to core axis graphitic sediments (wacke). graphitic sediments (wacke).					
		68.9 83.9 : more massive graphite with infrequent banded section , trace to 3 % pyrite as fine grained disseminated euhedral crystals and as carbonate nodule approximately 2 % quartz veins and veinlets.					
83.9	105.4	GRAPHITE					
		Dark grey in colour , poorly sorted , 30 to 40 % graphite not bedded , with graphite interlayers. 30 to 40 % fine grained quartz feldspar , minor quartz veining , locally up to 2% pyrite.	80415	84.0	85.0	1.0	
			80416	85.0	86.0	1.0	
			80417	86.0	87.0	1.0	
			80418	87.0	88.0	1.0	
			80419	88.0	89.0	1.0	
		85.9 87.1 : 3 to 5 % framboidal and nodular pyrite , trace quartz veins with trace fine grained pyrite.	80420	89.0	90.0	1.0	
			80421	90.0	91.0	1.0	
			80422	91.0	92.0	1.0	
		87.4 88.4 : fine grained banded section with trace pyrite nodules and fine disseminated euhedral grains , bands are folded locally.	80423	92.0	93.0	1.0	
			80424	93.0	94.0	1.0	
			80425	94.0	95.0	1.0	
			80426	95.0	96.0	1.0	
		88.4 90.9 : trace quartz veinlets , trace fine grained disseminated pyrite crystals.	80427	96.0	97.0	1.0	
			80428	97.0	98.0	1.0	
			80429	98.0	99.0	1.0	
		90.9 92.0 : section with 1 to 2 % brecciated quartz veins and trace to 1 % pyrite in fine euhedral crystals and nodular masses.	80430	99.0	100.0	1.0	
			80431	100.0	101.0	1.0	
			80432	101.0	102.0	1.0	
			80433	102.0	103.0	1.0	
		92.0 94.8 : less pyrite and quartz veins.	80434	103.0	104.0	1.0	
			80435	104.0	105.0	1.0	
		94.8 97.7 : graphite interbeds with pyrite nodules and 1 to 2 % quartz veins at 30 degrees to core axis.	80436	105.0	106.0	1.0	
		97.7 98.0 : metallic approximately 90 % with 1 to 2 % pyrite nodules.					
		98.0 105.4 : wacke with graphite interbeds containing massive up to 5 cm diameter quartz pyrite boudins approximately 1 to 2 % quartz veins with trace disseminated pyrite with alternating bands of quartz and graphite.					
105.4	107.7	GRAPHITE					
		Semi-massive to laminated graphite with 3 to 5 % quartz veins which appear sheared and deformed. Graded contact , trace pyrite in veins.	80437	106.0	107.0	1.0	
			80438	107.0	108.0	1.0	
107.7	113.1	PARACONGLOMERATE					

from (m)	to (m)		Sample No.	from (m)	to (m)	Length (m)	Au ppb
124.6	128.6	GRAPHITE					
		Graphitic wacke.	80455	126.0	127.0	1.0	
		Contact at 45 degrees to core axis	80456	127.0	128.0	1.0	
		similar to previous description with	80457	128.0	129.0	1.0	
		locally trace to 5 % pyrrhotite in					
		irregular blebs up to 2 cm , 2 to 5 %					
		quartz veins 125.9 126.9 : brecciated					
		quartz veins within fine grained					
		matrix , up to 5 % pyrite in lense and					
		bands and up to 5 % pyrrhotite in					
		blebs , trace disseminated					
		chalcopyrite 126.9 128.4 :					
		semi-massive graphite with 1 to 2 %					
		thin brecciated quartz veinlets ,					
		massive pyrrhotite in subangular					
		masses up to 1 cm in diameter. flow					
		with biotitic alteration , similar to					
		to 120.3 to 124.60 , containing brown					
		biotite phenocrysts 3 to 5 mm in					
		length , trace disseminated pyrite					
		throughout , minor thin quartz calcite					
		veins at 30 degrees to core axis					
		128.7 128.7 graphitic interflow ,					
		trace pyrite and trace thin quartz					
		veinlets.					
128.6	135.4	MAFIC VOLCANIC FLOW					
			80458	129.0	130.0	1.0	
			80459	130.0	131.5	1.5	
			80460	131.5	133.0	1.5	
			80461	133.0	134.0	1.0	
			80462	134.0	135.0	1.0	
			80463	135.0	136.5	1.5	
135.4	140.0	PARACONGLOMERATE					
		Graded contact , fine grained brownish	80464	136.5	138.0	1.5	
		silty matrix with thin beds at 10	80465	138.0	139.0	1.0	
		degrees to core axis , composed of	80466	139.0	140.0	1.0	
		argillaceous type material					
		approximately 5 % 2 to 10 mm quartz					
		clasts (possibly lithic fragments) ,					
		subrounded to rounded possible load					
		structures showing tops down , minor					
		pyrrhotite locally 135.4 135.7 :					
		trace to 2 % quartz carbonate veins at					
		30 degrees to core axis , trace pyrite					
		136.8 137.0 : pyrite bed at 15					
		degrees to core axis , massive lense					
		approximately 2 mm thick , trace					
		disseminated pyrrhotite 139.3 140.0 :					
		brecciated section approximately 50 %					
		quartz calcite veining , with					

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WESTMIN RESOURCES LIMITED
HOLE NO.:D-89-47from to
(m) (m)Sample from to Length Au
No. (m) (m) (m) ppb

approximately 30 % dull blue grey
quartz , trace to 1 % pyrrhotite in
fragments and boudins. At 140.0 END
OF HOLE.

WESTMIN RESOURCES LIMITED
DIAMOND DRILL RECORD

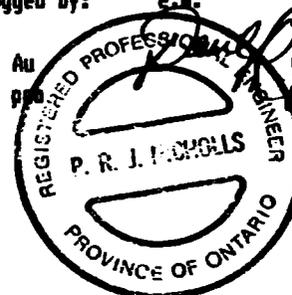
Page: 1
 Co-ord: 2300N 8200 E
 Azim: .0
 Dip: -50.0
 Length: 160.0
 Core Size: 80
 Purpose: test conductor

PROPERTY: SOUTH DETOUR CLAIMS
 HOLE NO.: D-89-48

Date Started: 16/02/89
 Date Completed: 18/02/89
 Date Logged: 19/02/89
 Logged by: E.R.

Dip Tests
 Depth Az. Dip
 160.00 .0 -50.0
 from to
 (m) (m)

Sample from to Length Au
 No. (m) (m) (m) ppb



.0 69.7 OVERBURDEN AND CASING

69.7 93.2 GRAPHITE

71.6 72.1 Trace quartz bands and veins with trace pyrite.	80558	71.5	72.5	1.0
78.9 81.6 : trace quartz veinlets at 25 to 50 degrees to core axis containing trace fine grained euhedral pyrite , several small microfaults at 81.20 81.30.	80632	72.5	73.5	1.0
82.0 88.5 : section with rusty brown colour in fine fractures , trace to 1 % pyrite in thin ispy lense and fine grained disseminated euhedral crystals.	80559	78.5	79.5	1.0
88.5 93.2 : section with trace thin quartz stringers with various orientations , locally trace pyrite as blebs and fracture infilling.	80560	79.5	81.0	1.5
	80561	81.0	82.0	1.0
	80562	82.0	83.0	1.0
	80563	83.0	84.0	1.0
	80564	84.0	85.0	1.0
	80565	85.0	86.0	1.0
	80566	86.0	87.0	1.0
	80567	87.0	88.0	1.0
	80568	88.0	89.0	1.0
	80569	89.0	90.0	1.0
	80570	90.0	91.0	1.0
	80571	91.0	92.0	1.0
	80572	92.0	93.0	1.0
	80573	93.0	94.0	1.0

93.2 95.0 MAFIC DYKE

Altered mafic intrusive. Bleached whitish to buff col rock with intrusive fabric, slight foliation at 30 degrees to core axis. Possible black amphibole crystals approximately 10 % fine dendrites of green black mineral possible chlorite , 10 to 15 % calcite in matrix , trace disseminated pyrite and medium grained irregular blebs.	80574	94.0	95.0	1.0
94.2 94.3 : graphite interflow.				
94.3 95.0 : section of weathered broken core.				

95.0 103.7 GRAPHITE

Graphitic sediments similar to 69.7 93.20 but more fine grained pitted texture associated with weathered pyrite.	80575	95.0	96.0	1.0
95.0 99.0 : trace to 2% Fe staining	80576	96.0	97.0	1.0
	80577	97.0	98.0	1.0
	80578	98.0	99.0	1.0
	80579	99.0	100.0	1.0

Page: 3

WESTMIN RESOURCES LIMITED
HOLE NO.:D-89-48

from (m)	to (m)		Sample No.	from (m)	to (m)	Length (m)	Au ppb
	114.6	115.3 : brecciated graphite , quartz , calcite stringer clasts and stringers.	80598	118.0	119.0	1.0	
			80599	119.0	120.0	1.0	
			80600	120.0	121.0	1.0	
	115.3	121.6 : 3 to 5 % quartz calcite stringers and veins , trace to 1 % pyrite locally disseminated and in thin lense.	80601	121.0	122.0	1.0	
	121.0	121.7 : similar to to above with more quartz calcite vein and 3 to 4 % pyrite in blebs.					
121.7	140.8	MAFIC DYKE					
		Altered mafic intrusive darker colour with grey tinge sections with high biotite composition.	80602	122.0	123.0	1.0	
			80603	123.0	124.0	1.0	
			80604	124.0	125.0	1.0	
	132.10	: 2 cm calcite vein , trace pyrite	80605	125.0	126.0	1.0	
	121.7	125.5 : section with 1 to 2 % quartz veins at various orientations , dull blue in colour , trace pyrite in veins and wallrock.	80606	126.0	127.0	1.0	
			80607	127.0	128.0	1.0	
			80608	128.0	129.0	1.0	
			80609	129.0	130.0	1.0	
	125.5	129.2 : section with alternating graphitic interflow and altered mafic intrusive , banded graphite and pyrite approximately 3 %.	80610	130.0	131.0	1.0	
			80611	131.0	132.0	1.0	
			80612	132.0	133.0	1.0	
			80613	133.0	134.0	1.0	
	129.2	138.0 Similar to above with up to 5 % thick calcite veins at sharp angles to core axis	80614	134.0	135.0	1.0	
			80615	135.0	136.0	1.0	
	133.0.4	133.85 : section with approximately 20 % calcite veins at 0 degrees to core axis , trace disseminated pyrite	80616	136.0	137.0	1.0	
			80617	137.0	138.0	1.0	
			80618	138.0	139.0	1.0	
			80619	139.0	140.0	1.0	
	135.0	135.2 : graphitic section with pyrite lense and thin quartz veins with 1 to 2 % yellow-brown alteration	80620	140.0	141.5	1.5	
	135.90	: 3 cm quartz calcite vein with matrix inclusions					
	137.5	138.0 section with ribboned quartz calcite veins and graphite bands , trace pyrite , trace epidote					
	137.8	140.3 : green grey colour with calcite selvages and squeezed grains.					
	140.3	140.8 : veined section with lensitic pyrite.					
140.8	144.6	GRAPHITIC					
		Massive to semi banded , 1 to 2 % quartz calcite veins throughout , with trace to 1 % pyrite in graphite and veins.	80621	141.5	143.0	1.5	
			80622	143.0	144.5	1.5	
			80623	144.5	146.0	1.5	
	141.9	142.5 : quartz calcite stringer at 5 to 10 degrees to core axis.					
	142.6	143.2 : section of banded pyrite graphite and quartz , somewhat brecciated with vesicular texture.					

Page: 4

WESTMIN RESOURCES LIMITED
HOLE NO.:D-89-48

from (m)	to (m)		Sample No.	from (m)	to (m)	Length (m)	Au ppb
144.6	147.1	MAFIC VOLCANIC FLOW Biotitic Mafic Volcanic Flow or intrusive, matrix is brown in colour quartz up to 20 % brown biotite, 3 to 5 % quartz calcite veins at 40 to 60 degrees to core axis, trace pyrite throughout.	80624	146.0	147.5	1.5	
	146.0	147.0 : little or no biotite coarse grained texture, green colour altered appearance, similar to previous altered mafic units.					
147.1	156.2	GRAPHITIC Similar to previous description more light colour, with trace to 5 % quartz calcite veins locally, trace to 3 % pyrite in thin lenses and as framboidal clusters up to 5 to 7 mm.	80625	147.5	149.0	1.5	
	151.8	: lighter colour, more fine grained with quartz clasts containing trace pyrrhotite.	80626	149.0	150.5	1.5	
	151.9	: microfold of quartz vein with trace pyrite.	80627	150.5	151.5	1.0	
	149.3	149.8 : approximately 30 % quartz calcite veining with trace pyrite in veins and graphite sediments.	80628	151.5	153.0	1.5	
	150.8	151.6 : section with 2 to 3 % pyrite in framboidal clusters.	80629	153.0	154.0	1.0	
	153.6	154.0 : thin quartz calcite stringer at 0 degrees to core axis.	80630	156.0	157.5	1.5	
156.0	160.0	MAFIC VOLCANIC FLOW Similar to previous description, biotite rich, fine grained with up to 10 % black brown biotite, trace to 2 % quartz calcite vein foliated at 45 degrees to core axis.	80631	157.5	159.0	1.5	
	157.0	157.5 : disseminated pyrite in veinlets conformable to foliation	80633	159.0	160.0	1.0	
	157.5	: 20 cm section with quartz boudins and approximately 3 % white quartz eyes					
	158.0	: coarse grained, greener colour					
	159.5	2.0 cm thick quartz boudin trace pyrite					
	160	END OF HOLE.					

Page: 1
 Co-ords: 2240N 9500 E
 Az: .0
 Dip: -50.0
 Length: 176.3
 Core Size: BQ
 Purpose: TEST MAXIM II CONDUCTOR

WESTMIN RESOURCES LIMITED
 DIAMOND DRILL RECORD

PROPERTY: SOUTH DETOUR CLAIMS
 HOLE NO.: D-89-49

Date Started: 16/02/89
 Date Completed: 18/02/89
 Date Logged: 19/02/89
 Logged by: jac

Dip Tests
 Depth Az. Dip
 150.00 .0 -46.0
 from to
 (m) (m)

Sample from to Length Au
 No. (m) (m) (m) ppb

.0 81.8 OVERBURDEN AND CASING

81.8 83.3 WHITE ROCK

Fine grained to medium grained white rock with approximately 10 % dendritic graphite or very fine grained pyrite. 3 % stringer and disseminated pyrite. Moderately hard. Probably bleached gabbro or diorite.

80634 81.8 83.3 1.4
 80635 83.3 84.5 1.3

83.1 83.2 Quartz vein at 15 degrees to core axis with minor calcite approximately 1 cm thick.
 83.2 83.3 Very broken.

83.3 92.4 GRAPHITE

Very fine grained, charcoal grey, no distinct foliation. Approximately 3 % disseminated pyrite, graphite approximately 5 %.

80636 84.5 86.0 1.5
 80637 86.0 86.5 .5
 80638 86.5 87.7 1.2
 80639 87.7 88.8 1.1
 80640 88.8 89.8 1.0
 80641 89.8 90.6 .8
 80642 90.6 92.3 1.8
 80643 92.3 93.5 1.2

84.4 84.5 Brecciated mudstone band. Matrix is bleached rock.
 84.6 84.8 Bleached rock intervals in mudstone. Contacts sharp at approximately 70 degrees to core axis. Also at 86.06 to 86.5, 87.7 to 88.6 and 89.48 to 89.75.

89.6 87.3 Very broken, brecciated. Numerous quartz stringers. Also at 89.2 to 89.48 and 89.75 to 92.36.

92.4 108.9 WHITE ROCK

Same as above between 81.8 and 83.25. Mottled white with coarse grained grey-green mineral, probably chloritized amphibole, pervasive alteration. Relict gabbroic (?) texture. Weak foliation.

80644 93.5 94.5 1.0
 80645 94.5 96.0 1.5
 80646 96.0 97.5 1.5
 80647 97.5 99.0 1.5
 80648 99.0 100.5 1.5
 80649 100.5 102.0 1.5
 80650 102.0 103.5 1.5
 80651 103.5 105.0 1.5
 80652 105.0 106.0 1.0
 80653 106.0 107.0 1.0
 80654 107.0 108.0 1.0

93.8 93.8 Vuggy quartz vein at 45 degrees to core axis, calcite dissolved. Rusty stain. Very minor visible sulphides. Also between 95.3 and 95.9 at 5 degrees to core axis.



from (m)	to (m)		Sample No.	from (m)	to (m)	Length (m)	Au ppb
	97.2	97.9	80655	108.0	108.8	.8	
	99.9	99.9	80656	108.8	110.3	1.5	
		Core very broken and ground.					
		Barren quartz vein at 30 degrees to core axis.					
	104.9	108.8					
		Very bleached no relict gabbroic texture. Very broken and fractured. Variably siliceous and silica deficient. approximately 3 % pyrite in fractures.					
	107.5	107.6					
		Disseminated arsenopyrite approximately 1 %. 108.86 contact very sharp at 65 degrees to core axis.					
	108.9	109.1					
		Brecciated with quartz fracture filling. Disseminated pyrite approximately 3 %. Also at 111.65 to 111.8 and 114.45. pyrite lenses up to 3 cm by .5 cm and pyrite spheres approximately 5 /m.					
108.9	132.7	GRAPHITE					
		Very fine grained , charcoal grey with numerous calcite stringers parallel to foliation and also at various angles. Locally well bedded at 55 degrees to core axis. Grain size coarsens down hole within beds suggesting tops are up hole (tops to south).	80657	110.3	110.5	.2	
			80658	110.5	112.0	1.5	
			80659	112.0	113.5	1.5	
			80660	113.5	115.0	1.5	
			80661	115.0	116.5	1.5	
			80662	116.5	117.5	1.0	
			80663	117.5	117.8	.3	
	110.0	110.0	80664	117.8	119.0	1.2	
		Vuggy quartz vein containing brecciated fragments and inclusions of white rock containing bright green mica (fuchsite?).	80665	119.0	120.0	1.0	
			80666	120.0	121.1	1.1	
	110.3	110.5	80667	121.1	122.0	.9	
		White rock very bleached with 5 % bright green mica and 15 % euhedral pyrite cubes.	80668	122.0	123.0	1.0	
			80669	123.0	124.0	1.0	
			80670	124.0	125.0	1.0	
	111.2	111.7	80671	125.0	126.0	1.0	
		Rusty quartz stringers.					
	112.2	120.2	80672	126.0	127.0	1.0	
		Thin buff coloured bands or large lenses, containing pyrite and quartz occur approximately 2 /m.	80673	127.0	128.0	1.0	
			80674	128.0	129.0	1.0	
	117.6	117.8	80675	129.0	130.0	1.0	
		White rock same as above					
	110.3	110.5	80676	130.0	131.0	1.0	
		core very broken above white rock band.	80677	131.0	131.5	.5	
	118.9	119.8					
		Broken and ground core. Metallic graphite approximately 10 %.					
	121.0	122.3					
		Lost core.					
	122.3	123.5					
		Abundant metallic graphite brecciated by quartz and possibly white rock. Minor bright green mica and calcite in fracture filling. large fragment of quartz , feldspar and approximately 25 % pyrite at 122.7 and a band of similar composition between 123.1 to 123.4.					
	123.6	125.5					
		Same as above 108.9 to 109.1 disseminated pyrite 15 %.					
	124.7	124.9					
		Core ground to sandsize grains; at 125.38 to 125.58 core					

Page: 3

WESTMIN RESOURCES LIMITED
HOLE NO.:D-89-49

from (m)	to (m)		Sample No.	from (m)	to (m)	Length (m)	Au ppb
		ground to pebble size.					
		125.6 125.8 Pyrite approximately 30 % as spheres up to 1cm diameter, disseminated and as stringers.					
		126.3 127.5 Same as above 125.6 to 125.9 with less pyrite spheres and more pyrite stringers. Numerous quartz veins.					
		127.1 127.1 4 cm massive pyrite. same as above (124.72 to 124.9) between 127.3 to 127.46 and 127.7 to 127.8.					
		128.0 132.7 Very broken over 90 % of interval.					
		129.5 129.8 Same as above between 126.35 and 127.54.					
		131.5 132.7 Lost core.					
132.7	134.2	MUDSTONE					
		Interval comprised of interbanded mudstone and felsic volcanics and/or chert.	80678	132.7	134.0	1.3	
		Charcoal grey to pale grey , brecciated bands with abundant quartz veins. Disseminated and stringer pyrite approximately 1 %. Silicified. Some bands may be WHITE ROCK. Dendritic black mineral at 133.6 meters same as above between 81.8 to 83.25 present in and around fractures.	80679	134.0	135.6	1.6	
134.2	156.2	WHITE ROCK					
		Locally silicified, grey-green , fine grained with large chlorite clots and biotite aggregates along fractures.	80680	135.6	136.5	.9	
		Possibly altered sediments or Felsic to Intermediate Volcanic.	80681	136.5	138.0	1.5	
		134.2 135.2 Less bleached than 92.36 to 108.86.	80682	138.0	139.0	1.0	
		135.2 137.2 Same as above 132.7 to 134.16 minor sulphides.	80683	139.0	139.9	.9	
		137.2 138.9 Locally silicified, very white with dendritic black mineral approximately 3 %. Minor sulphides. May be felsic volcanics.	80684	139.9	141.0	1.1	
		138.9 139.1 Altered crystal tuff or porphyry. Soft and weakly calcareous. 40 % feldspar phenocrysts in fine grained chlorite matrix. Lower contact sharp at 65 degrees to core axis. Thin quartz vein on contact.	80685	141.0	142.0	1.0	
		139.1 139.9 Relict gabbroic (?) texture apparent. Coarse chlorite (possible chloritized amphibole) approximately 30 %.	80686	142.0	143.0	1.0	
			80687	143.0	144.0	1.0	
			80688	144.0	145.0	1.0	
			80689	145.0	146.0	1.0	
			80690	146.0	147.0	1.0	
			80691	147.0	148.0	1.0	
			80692	148.0	149.0	1.0	
			80693	149.0	150.0	1.0	
			80694	150.0	151.0	1.0	
			80695	151.0	152.0	1.0	
			80696	152.0	153.0	1.0	
			80697	153.0	154.0	1.0	
			80698	154.0	155.0	1.0	
			80699	155.0	156.0	1.0	
			80700	156.0	157.0	1.0	

Page: 4

WESTMIN RESOURCES LIMITED
HOLE NO.:D-89-49from to
(m) (m)Sample from to Length Au
No. (m) (m) (m) ppb

139.9 141.1 Weakly graphitic mudstone with quartz stringers. Stringer pyrite approximately 10 % between 140.83 to 140.9.

140.0 146.0 Lost core not marked by drillers. Samples 80684 and 80685 are shorter than the intervals indicated.

141.1 142.3 Silicified white rock or 3b. Same as above between 137.2 to 138.9. Chloritic alteration around dendritic black mineral in fractures. locally banded , brecciated at end of interval.

142.3 143.7 Same as above 139.15 to 139.92.

143.4 143.4 Mudstone band with stringer pyri.

143.7 145.2 Same as above 141.15 to 141.33.

145.2 145.5 Vuggy quartz vein with chlorite inclusions and approximately 5 % pyrite.

145.5 146.9 Felsic Tuff. Dark to pale grey bands , some containing 5 to 10 % small black fragments.

146.9 148.7 Silicified white rock or 3b. Very white , very hard, medium grained to fine grained. Chlorite alteration adjacent to fractures. Foliation at 45 degrees to core axis.

147.9 148.2 Chlorite alteration approximately 80 % of interval. Also between 148.6 to 148.65.

148.7 149.7 Very broken and brecciated Felsic Tuff and white rock. Some quartz veining. 20 cm of core missing between 148 and 149 meters.

149.0 150.0 Minor pyrite. Only 57 cm of core (very broken) between wood chip markers at 149 and 150 m.

149.7 156.2 Intermediate Tuff. Grey-green , medium grained , granular. Locally contains quartz eyes and feldspar phenocrysts. Abundant chlorite alteration between 149.77 and 150.8.

150.0 153.0 Only 2.2 meters of rock between wood chip markers at 150 and 153 meters. Core only broken at 150 meters and at 153 meters.

approximately 10 % brown , opaque, non-magnetic mineral associated with pyrite in quartz vein at 155.5 meters.

156.2 157.7 WHITE ROCK

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WESTMIN RESOURCES LIMITED
HOLE NO.:D-89-49

from (m)	to (m)		Sample No.	from (m)	to (m)	Length (m)	Au ppb
		Pale greenish-grey , mottled. 3 % disseminated coarse green chlorite , predominantly altered feldspar with some sericite (?). Occasional thin quartz veins at various orientations. Contacts very gradational. 156.2 157.7 White Rock or Felsic Tuff.	80701	157.0	158.0	1.0	
157.7	159.5	FELSIC TO INTERMEDIATE VOLCANIC Felsic to Intermediate Tuff or Felsic Lapilli Tuff. Mottled grey-green 5 to 10 % brown mineral described previously (155.5m). Occasional felsic lapilli size fragments. Predominantly feldspar , quartz , green mica and biotite. Disseminated pyrite approximately 2 % , minor arsenopyrite.	80702	158.0	159.0	1.0	
			80703	159.0	160.0	1.0	
159.5	161.6	FELSIC LAPILLI TUFF Mottled , pale grey and dark grey. Dark grey angular fragments possibly mudstone and quartz fragments comprise 90 % of the interval. Disseminated pyrite approximately 1 %. 161.4 161.6 Quartz vein with coarse dolomite.	80704	160.0	161.6	1.6	
161.6	164.8	GRAPHITE Charcoal grey with white quartz stringer. Graphite is predominantly metallic. Pyrite stringer approximately 1 to 3 % , buff coloured lenses as described above between 112.8 and 120.2. 161.8 162.1 Brecciated graphitic mudstone. 162.9 163.1 Very broken. 164.1 164.3 Brecciated with siliceous fracture filling. 164.8 164.8 Quartz vein brecciated mudstone with 10 to 15 % pyrite.	80705	161.6	163.0	1.4	
			80706	163.0	164.0	1.0	
			80707	164.0	164.9	.9	
164.8	167.9	FELSIC TUFF Brecciated felsic volcanics. Fractured and dolomitized siliceous, feldspathic and micaceous fragments. Some graphite in matrix. Less than 3 % bright green mica, disseminated and stringer pyrite approximately 3 % and disseminated	80708	164.9	166.0	1.1	
			80709	166.0	167.0	1.0	
			80710	167.0	168.0	1.0	

Page: 6

WESTMIN RESOURCES LIMITED
HOLE NO.:D-89-49

from (m)	to (m)		Sample No.	from (m)	to (m)	Length (m)	Au ppb
		arsenopyrite less than 1 .					
167.9	168.1	GRAPHITE 167.9 168.1 Graphitic zone with 25 mm thick massive pyrite stringer.	80711	168.0	169.0	1.0	
168.1	171.9	WHITE ROCK Medium grained , medium greenish-grey , predominantly feldspar with minor coarse chlorite , dendritic textured dark mineral approximately 10 %. Thin fractures with dark grey fracture filling. Minor sulphides.	80712	169.0	170.0	1.0	
			80713	170.0	171.0	1.0	
			80714	171.0	172.0	1.0	
171.9	176.3	GRAPHITE Quartz vein at contact approximately 5 % pyrite , graphite in vein. Same as above 161.6 to 164.8 disseminated and stringer pyrite approximately 5 %. Less graphitic to non-graphitic bands and medium grained Greywacke between 174.4 and 177.0 for approximately 30 % of interval. 175.6 175.6 White rock intervals or altered greywacke. fine grained , white with black , dendritic textured mineral and 1 to 2 % pyrite. Also between 175.8 to 175.95. 176.25 END OF HOLE.	80715	172.0	173.0	1.0	
			80716	173.0	174.0	1.0	
			80717	174.0	175.0	1.0	
			80718	175.0	176.3	1.3	

WESTMIN RESOURCES LIMITED
DIAMOND DRILL RECORD

Page: 1
Co-ords: 1975N 10100 E
Azimuth: 180.0
Dip: -50.0
Length: 119.0
Core Size: BQ
Purpose:

PROPERTY: SOUTH DETOUR CLAIMS
HOLE NO.: D-89-50

Date Started: 18/02/89
Date Completed: 19/02/89
Date Logged: 20/02/89
Logged by: E.M.

Dip Tests
Depth Az. Dip

from to
(m) (m)

Sample from to Length Au
No. (m) (m) (m) ppb

.0 73.0 OVERBURDEN AND CASING

73.0 94.8 INTERMEDIATE TUFF

Light green to grey in colour, semi massive to foliated in appearance, foliated at 30 degrees to core axis, 70 to 80 % feldspar quartz matrix up to 5 % green black chlorite, trace to 10 % locally sericite, up to 5 % calcite in matrix, trace to 5 % quartz calcite stringers and quartz veins at 30 to 45 degrees to core axis 2 to 3 % white quartz eyes, minor quartz boudins and or clasts. Ground core from 73.0 73.5, approximately 10 % recovery.

73.0 76.2 : fine grained section with trace to 2 % quartz carbonate vein and trace equigranular epidote. Trace chlorite and possible trace green mica at 74.80. infrequent microfolds and faults.

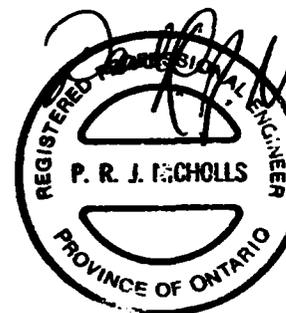
76.2 78.7 : banded section with trace to 10 % sericite and angular to subangular quartz, feldspar, clasts (eyes) foliated at 30 degrees to core axis. Possible classification as Quartz Sericite Schist.

78.7 86.2 : fine grained similar to 73.0 76.2 with sericite sections and trace to 2 % quartz calcite veins no sulphidess.

82.8 83.1 : sericite section with approximately 2 % quartz bands and boudins. Broken core from 83.0 86.5 80 % recovery.

83.1 94.8 : similar to 76.2 78.7 with approximately 5 % 2 to 3 mm sericite bands at 30 degrees to core axis, foliated at 30 degrees to core axis, trace to 1 % pyrite along foliation planes, banding of quartz boudins alternating with wispy sericite. 88.7 88.9 : 1 cm blue grey quartz vein at

80719	73.0	74.5	1.5
80720	74.5	76.0	1.5
80721	76.0	77.5	1.5
80722	82.5	83.5	1.0
80723	83.5	85.0	1.5
80724	85.0	86.5	1.5
80725	86.5	88.0	1.5
80726	88.0	89.5	1.5
80727	89.5	91.0	1.5
80728	91.0	92.5	1.5
80729	92.5	94.0	1.5
80730	94.0	95.5	1.5



fr (m)	to (m)		Sample No.	from (m)	to (m)	Length (m)	Au ppb
		10 degrees to core axis , no sulphidess					
94.8	100.8	AGGLOMERATE					
		Matrix similar to above unit foliated at 45 degrees to core axis , approximately 10 % quartz boudins and veins throughout , 2 to 4 % subangular to subrounded quartz clasts trace to 1 % pyrite on fracture face , approximately 5 % sericite in matrix of quartz feldspar , trace fine grained chlorite.	80731	95.5	97.0	1.5	
			80732	97.0	98.0	1.0	
			80733	98.0	99.0	1.0	
			80734	99.0	100.0	1.0	
			80735	100.0	101.0	1.0	
		98.30 : massive 1 cm pyrite lense at 50 degrees to core axis.					
100.8	119.0	INTERMEDIATE TO FELSIC TUFF					
		Similar to 73.2 76.2 more coarse grained.	80736	101.0	102.0	1.0	
			80737	102.0	103.0	1.0	
		118.5 : pervasive greenish alteration	80738	103.0	104.0	1.0	
		119.0 END OF HOLE.	80739	104.0	105.0	1.0	
		100.8 109.3 Foliated at 30 degrees to core axis , fine grained feldspar quartz matrix with trace chlorite and sericite , trace to 5 % quartz feldspar bands locally.	80740	105.0	106.0	1.0	
			80741	106.0	107.0	1.0	
			80742	107.0	108.0	1.0	
			80743	108.0	109.0	1.0	
			80744	109.0	110.0	1.0	
		109.3 109.7 : light colour section foliated at 45 degrees to core axis , 1 to 3 % elongate chlorite crystals, trace fine grained disseminated euhedral pyrite and arsenopyrite.	80745	110.0	111.0	1.0	
			80746	111.0	112.0	1.0	
			80747	112.0	113.0	1.0	
			80748	116.0	117.0	1.0	
			80749	117.0	118.0	1.0	
		109.7 110.7 : sericite section with trace fine grained disseminated pyrite and locally trace tourmaline 109.8	80750	118.0	119.0	1.0	
		109.9 : boudinaged quartz veins rimmed by wispy sericite with trace green mica					
		110.7 119.0 : dull to light green in colour , trace to 5 % sericite throughout , possible trace arsenopyrite and minor fine grained euhedral pyrite. 111.0 113.0 : trace arsenopyrite as fine grained disseminated subhedral crystals , minor fe staining at 111.50 111.70					
		118.20 : 2 cm quartz vein at 45 degrees to core axis hosted by partially sericitized wall rock , trace granular epidote.					

WESTMIN RESOURCES LIMITED
DIAMOND DRILL RECORD

Page: 1
 Co-ords: 1975N 10100 E
 Az. :h: .0
 Dip: -50.0
 Length: 169.3
 Core Size: BQ
 Purpose: Test Conductor

PROPERTY: SOUTH DETOUR CLAIMS
 HOLE NO.: D-89-50 A

Date Started: 19/02/89
 Date Completed: 21/02/89
 Date Logged: 21/02/89
 Logged by: PRJN

Dip Tests
 Depth Az. Dip
 150.00 .0 -46.0
 from to
 (m) (m)

Sample from to Length Au
 No. (m) (m) (m) ppb



.0 82.3 OVERBURDEN AND CASING

82.3 87.0 INTERMEDIATE INTRUSIVE

Fine grained light grey quartz	80751	82.3	84.0	1.7
feldspar sericite matrix, trace	80831	84.0	85.0	1.0
feldspar phenocryst, trace to 5 %	80832	85.0	86.0	1.0
chlorite as irregular crystals ? up to 2 mm, unit locally rusty, trace green mica.	80833	86.0	87.0	1.0

87.0 108.4 GREYWACKE

Fine grained massive to thick banded grey to grey brown quartz feldspar biotite rock, banding at 50 to 60 degrees to core axis.	80834	87.0	88.3	1.3
87.0 88.3 : trace to 2 % quartz	80835	89.2	90.5	1.3
calcite veins, minor sulphides, core broken 95 % core recovery.	80836	90.5	91.6	1.1
88.3 89.2 : lost core.	80837	93.0	94.5	1.5
89.2 91.6 : good core recovery, minor core broken, trace veining, minor sulphides.	80838	94.5	96.0	1.5
91.6 93.0 : lost core.	80839	96.0	97.5	1.5
93.0 97.0 : core broken, 95 % core recovery, 5 to 10 % thin quartz veins, trace chlorite and pyrite.	80840	97.5	99.0	1.5
97.0 102.0 : up to 5 % at 30 to 50 degrees to core axis.	80841	99.0	100.5	1.5
102.0 106.5 : unit green in colour, 5 % quartz veins at 0 to 60 degrees to core axis, minor sulphides.	80842	100.5	102.0	1.5
106.5 108.4 : trace veining, trace graphitic bands at 40 degrees to core axis, minor epidote.	80843	102.0	103.5	1.5
	80844	103.5	105.0	1.5
	80845	105.0	106.5	1.5
	80846	106.5	108.0	1.5
	80847	108.0	109.7	1.7

108.4 169.3 GRAPHITE

Fine grained medium to dark grey massive to banded graphitic unit with trace to 15 % pyrite and numerous thin felsic ? to mafic intrusives.	80848	109.7	110.1	.4
108.4 109.7 : graphitic, banding at 40 degrees to core axis, trace pyrite	80849	110.1	111.5	1.4
	80850	111.5	113.0	1.5
	80851	113.0	114.7	1.7
	80852	114.7	115.1	.4
	80853	115.1	116.0	.9

Page: 1
 Co-ords: 1860N 10600 E
 Az. th: .0
 Dip: -55.0
 Length: 173.0
 Core Size: 88
 Purpose: Test Conductor

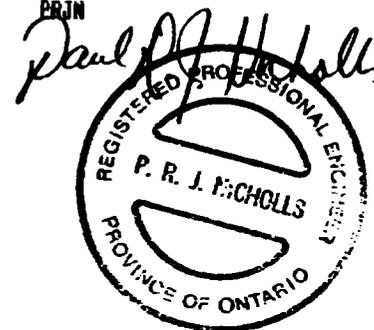
WESTMIN RESOURCES LIMITED
 DIAMOND DRILL RECORD

PROPERTY: SOUTH BETOUR CLAIMS
 HOLE NO.: D-89-51 A

Date Started: 19/02/89
 Date Completed: 21/02/89
 Date Logged: 22/02/89
 Logged by: PRJN

Dip Tests
 Depth Az. Dip
 173.00 .0 -55.0
 from to
 (m) (m)

Sample from to Length Au
 No. (m) (m) (m) ppb



.0 79.0 OVERBURDEN AND CASING

79.0 91.0 GRAPHITE

Fine grained medium to dark grey black
 , massive to well banded unit.

79.0 79.7 :.

79.0 79.7 : light grey poorly banded
 section with trace thin graphite bands
 , trace disseminated pyrite , minor
 veining.

79.7 91.0 : 5 to 90 % graphite well
 banded at 40 degrees to core axis , 5
 % pyrite as nodules and thin band ,
 trace to 5 % quartz calcite veins with
 pyrite , core broken , 90 % core
 recovery.

80752	79.0	80.5	1.5
80753	80.5	82.0	1.5
80754	82.0	83.5	1.5
80755	83.5	85.0	1.5
80756	85.0	86.0	1.0
80757	86.0	87.0	1.0
80758	87.0	88.0	1.0
80759	88.0	89.0	1.0
80760	89.0	90.0	1.0
80761	90.0	91.0	1.0

91.0 98.9 MAFIC FLOW OR SILL

Medium grained medium green massive
 equigranular mafic unit , with 10 %
 small white feldspar ? phenocrysts,
 trace to 5 % pyrite and pyrrhotite ,
 trace to 5 % green mica disseminated
 and in veins , trace to 2 % quartz
 calcite veins with trace pyrite ,
 numerous graphitic sections comprise
 up to 25 % of unit between 92.0 and
 96.6.

97.0 97.5 : 3 to 5 cm quartz vein at
 10 degrees to core axis , unit
 bleached and contain green mica near
 vein , trace arsenopyrite ?.

98.0 98.0 : fine grained massive grey
 unit with trace feldspar , 2 to 5 %
 disseminated pyrite cubes.

80762	91.0	92.0	1.0
80763	92.0	92.3	.3
80764	92.3	92.6	.3
80765	92.6	93.0	.4
80766	93.0	93.3	.3
80767	93.3	93.7	.4
80768	93.7	95.0	1.3
80769	95.0	95.9	.9
80770	95.9	96.8	.9
80771	96.8	98.0	1.2
80772	98.0	99.0	1.0

98.9 115.8 GRAPHITE

Similar to above.

98.9 104.0 : fine grained massive to
 poorly banded medium grey unit with 10
 to 20 % graphite , trace to 5 %
 disseminated pyrite , minor veining.

80773	99.0	100.0	1.0
80774	100.0	101.0	1.0
80775	101.0	102.0	1.0
80776	102.0	103.0	1.0
80777	103.0	104.0	1.0

Page: 2

WESTMIN RESOURCES LIMITED
HOLE NO.: D-89-51 A

from (m)	to (m)		Sample No.	from (m)	to (m)	Length (m)	Au ppb
104.0	111.3	80 % graphite with up to 10 % pyrite as nodules, trace quartz veining, between 109.6 and 109.7 a vuggy quartz vein with pyrite. 111.3 115.8 : unit fine grained more massive with trace pyrite.	80778	104.0	105.0	1.0	
			80779	105.0	106.0	1.0	
			80780	106.0	107.0	1.0	
			80781	107.0	108.0	1.0	
			80782	108.0	109.0	1.0	
			80783	109.0	110.0	1.0	
			80784	110.0	111.0	1.0	
			80785	111.0	112.0	1.0	
			80786	112.0	113.0	1.0	
			80787	113.0	114.0	1.0	
		80788	114.0	115.0	1.0		
		80789	115.0	115.8	.8		
115.8	117.2	INTERMEDIATE INTRUSIVE Intermediate composition ? similar to above, fine to medium grained quartz feldspar chlorite green grey unit with up to 5 % disseminated pyrite, trace green mica, massive with trace feldspar phenocrysts.	80790	115.8	117.3	1.5	
117.2	161.0	GRAPHITE Fine grained medium to dark grey massive to banded graphitic rock.	80791	117.3	118.0	.7	
			80792	118.0	119.0	1.0	
		117.2 123.4 : fine grained massive to banded section, banding at 70 degrees to core axis, trace to 10 % pyrite as nodule or bands, 10 % quartz veining between 122.3 and 122.8.	80793	119.0	120.0	1.0	
			80794	120.0	121.0	1.0	
			80795	121.0	122.0	1.0	
			80796	122.0	123.4	1.4	
			80797	123.4	123.7	.3	
		123.4 123.7 : Intermediate Intrusive similar to above with 5 % disseminated pyrite and possible arsenopyrite ?.	80798	123.7	124.4	.7	
			80799	124.4	124.6	.2	
		123.7 124.4 : banded metallic graphite with 5 % pyrite, banding at 60 to 70 degrees to core axis.	80800	124.6	126.0	1.4	
			80801	126.0	127.5	1.5	
			80802	127.5	129.0	1.5	
			80803	129.0	130.5	1.5	
		124.4 124.6 : Intermediate Intrusive, upper contact at 0 to 40 degrees to core axis, trace green mica, minor veining.	80804	130.5	132.0	1.5	
			80805	132.0	133.5	1.5	
			80806	133.5	135.0	1.5	
			80807	135.0	136.5	1.5	
		124.6 130.9 : 40 % of section is metallic graphite, 60 % massive weakly graphitic units, banded sections contain 20 % pyrite, with massive section containing up to 5 % pyrite.	80808	136.5	138.0	1.5	
			80809	138.0	139.5	1.5	
			80810	139.5	141.0	1.5	
			80811	141.0	142.5	1.5	
			80812	142.5	144.0	1.5	
		130.9 145.7 : massive to poorly foliated, minor bands at 50 degrees to core axis, trace to 5 % graphite disseminated, 5 % pyrite disseminated, minor veining.	80813	144.0	145.5	1.5	
			80814	145.5	147.0	1.5	
			80815	147.0	148.5	1.5	
			80816	148.5	150.0	1.5	
			80817	150.0	151.5	1.5	
		145.7 157.1 : metallic graphite brecciated with 10 % quartz veining, trace to 10 % pyrite as bands or nodules.	80818	151.5	153.0	1.5	
			80819	153.0	154.5	1.5	
			80820	154.5	156.0	1.5	
			80821	156.0	157.1	1.1	
		157.1 158.0 : Intermediate Intrusive	80822	157.1	158.0	.9	

Page: 3

WESTMIN RESOURCES LIMITED
HOLE NO.:D-89-51Afrom to
(m) (m)

Sample No.	from (m)	to (m)	Length (m)	Au ppb
80823	158.0	159.2	1.2	

similar to above , trace pyrite disseminated.

158.0 159.2 : graphitic banded to brecciated with trace pyrite.

159.2 159.9 : Intermediate Intrusive , trace green mica , trace quartz veining , trace to 5 % pyrite.

159.9 161.0 : graphitic section brecciated , trace pyrite.

161.0 173.0 INTERMEDIATE INTRUSIVE

Similar to above , fine grained light green grey matrix with 5 to 10 % small feldspar phenocrysts.

161.0 161.5 : trace to 2 % disseminated pyrite.

165.5 173.0 : trace calcite veins and trace pyrite , at 173.0 END OF HOLE.

Page: 1
 Co-ords: 1640N 11100 E
 Az. th: .0
 Dip: -50.0
 Length: 151.0
 Core Size: 88
 Purpose: Test Conductor

WESTMIN RESOURCES LIMITED
 DIAMOND DRILL RECORD

PROPERTY: SOUTH DETOUR CLAIMS
 HOLE NO.: D-89-52

Date Started: 21/02/89
 Date Completed: 22/02/89
 Date Logged: 22/02/89
 Logged by: PRJM

Dip Tests
 Depth Az. Dip
 151.00 .0 -43.0
 from to
 (m) (m)

Sample from to Length Au
 No. (m) (m) (m) ppb

Paul R. J. Nicholls

.0 63.0 OVERBURDEN AND CASING

63.0 78.5 INTERMEDIATE TUFF

Possible sediment, medium to light green grey fine to medium grained rock, poorly banded at 45 degrees to core axis, trace biotite and chlorite, trace veining.

63.0 67.7 : 5 to 10 % quartz veining, 2 or 3 generations of veins, clear grey quartz with trace pink alteration, or quartz epidote veins with trace pyrite, chalcopyrite in vein at 64.0.

74.3 75.6 : massive medium grained section, intermediate composition possible intrusive.

75.6 76.1 : 5 to 10 % white quartz veins at various angles to core.

76.1 78.0 : unit more grey in colour, trace bands of graphite, minor veining

78.0 78.5 : 5 to 20 % quartz veining, trace pyrite in veins and disseminated, trace graphite.

80893	63.0	64.0	1.0
80894	64.0	65.0	1.0
80895	65.0	66.0	1.0
80896	66.0	67.0	1.0
80897	67.0	68.5	1.5
80898	68.5	70.0	1.5
80899	70.0	71.5	1.5
80900	71.5	73.0	1.5
80901	73.0	74.5	1.5
80902	74.5	76.0	1.5
80903	76.0	77.0	1.0
80904	77.0	78.0	1.0
80905	78.0	79.0	1.0

78.5 78.8 GRAPHITE

Massive fine grained dark grey graphitic unit with 5 % disseminated pyrite.

78.8 80.1 GABBRO

Possibly altered, core broken, 40 % core recovery, fine to medium grained light to medium green grey, 10 % thin quartz veins at various angles to core, 5 to 10 % pyrite trace to 5 % chlorite, trace green mica ?.

80906	79.0	80.1	1.1
-------	------	------	-----

80.1 82.1 GRAPHITE

Massive to poorly banded graphitic rock, up to 10 % pyrite as nodules and disseminated, trace veining.

80907	80.1	81.1	1.0
80908	81.1	82.1	1.0



from (m)	to (m)		Sample No.	from (m)	to (m)	Length (m)	Au ppb
82.1	83.4	GABBRU Similar to above, brecciated, chloritic, 20% quartz vein with pyrite, up to 5% green mica.	80909	82.1	83.4	1.3	
83.4	89.4	GRAPHITE Similar to above, trace to 10% pyrite as nodules up to 1 cm, poorly banded.	80910	83.4	85.0	1.6	
			80911	85.0	86.5	1.5	
			80912	86.5	88.0	1.5	
			80913	88.0	89.4	1.4	
89.4	90.0	INTERMEDIATE INTRUSIVE Fine to medium grained green grey massive equigranular rock trace chlorite, 5% disseminated pyrite.	80914	89.4	90.0	.6	
90.0	151.0	GRAPHITE Massive to banded graphitic unit with trace to 70% pyrite.	80915	90.0	91.5	1.5	
			80916	91.5	93.3	1.8	
		90.0 93.3 Trace to 5% pyrite, between 92.7 and 92.9 a section of Intermediate Intrusive with pyrite.	80917	93.3	94.1	.8	
			80918	94.1	95.1	1.0	
			80919	95.1	96.1	1.0	
		93.3 94.1: Intermediate Intrusive with pyrite, minor pyrrhotite, minor quartz veining, trace chlorite.	80920	96.1	96.6	.5	
			80921	96.6	98.0	1.4	
			80922	98.0	99.0	1.0	
		94.1 96.1: massive graphitic unit with trace to 2% pyrite.	80923	99.0	100.5	1.5	
			80924	100.5	102.0	1.5	
		96.1 96.6: intrusive similar to above with trace pyrite and green mica.	80925	102.0	103.5	1.5	
			80926	103.5	105.0	1.5	
		96.6 98.1: similar to 94.1 to 96.1.	80927	105.0	106.5	1.5	
			80928	106.5	108.0	1.5	
		98.1 100.5: intrusive with trace pyrite, arsenopyrite, minor quartz veining and green mica.	80929	108.0	109.5	1.5	
			80930	109.5	111.0	1.5	
		100.5 109.1: massive to banded graphite with up to 10% pyrite disseminated or as nodules, trace quartz vein, thin section of intrusive with pyrite between 104.6 and 104.7.	80931	111.0	112.5	1.5	
			80932	112.5	114.0	1.5	
			80933	114.0	115.5	1.5	
			80934	115.5	117.0	1.5	
			80935	117.0	118.5	1.5	
			80936	118.5	119.5	1.0	
		109.1 112.3: graphitic sediment with 10% graphite in bands trace pyrite, banding at 40 to 60 degrees to core axis.	80937	119.5	120.5	1.0	
			80938	120.5	121.5	1.0	
			80939	121.5	123.0	1.5	
			80940	123.0	124.0	1.0	
		112.3 124.9: graphitic sediment interbanded with metallic graphite, trace to 20% pyrite, thin sections of intrusives at 115.1 - 20 cm, pyrite, green mica, 117.1.0 10 cm, trace green mica, 5% pyrite, 118.0 to 118.4 pyrite trace vuggy quartz veins, 120.7 to 121.2, pyrite,	80941	124.0	125.0	1.0	
			80942	125.0	126.0	1.0	
			80943	126.0	127.0	1.0	
			80944	127.0	128.5	1.5	
			80945	128.5	130.0	1.5	
			80946	130.0	131.0	1.0	
			80947	131.0	132.5	1.5	
			80948	132.5	133.5	1.0	

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WESTMIN RESOURCES LIMITED
HOLE NO.:D-89-52

from (m)	to (m)	Sample No.	from (m)	to (m)	Length (m)	Au ppb
122.2	122.7	80949	133.5	134.5	1.0	
122.2 to 122.7 trace pyrite , 123.3 to 123.9 with 5 % pyrite trace green mica and 2 % quartz vein.		80950	134.5	136.0	1.5	
124.9	127.2	80951	136.0	137.0	1.0	
124.9 127.2 : 50 to 80 % pyrite as nodules with a graphite and quartz matrix , nodules up to 1 cm.		80952	137.0	137.5	.5	
127.2	137.0	80953	137.5	138.5	1.0	
127.2 137.0 : dark grey graphitic banded unit with up to 15 % pyrite as nodules and bands , intrusive sections with pyrite at 129.5 to 129.9 , 130.6 to 131.0 , 133.8 to 134.0 with quartz veining and green mica , 134.3 trace green mica , 135.3 to 135.7 trace green mica.		80954	138.5	139.5	1.0	
137.0	137.5	80955	139.5	140.5	1.0	
137.0 137.5 : section contain 2 - 15 cm section of 70 % pyrite similar to above.		80956	140.5	141.5	1.0	
137.5	138.2	80957	141.5	142.5	1.0	
137.5 138.2 : graphitic sediment banded at 30 degrees to core axis , trace pyrite.		80958	142.5	143.5	1.0	
138.2	139.5	80959	143.5	144.5	1.0	
138.2 139.5 : 70 % pyrite as nodules , massive banded pyrite between 139.3 and 139.5.		80960	144.5	145.5	1.0	
139.5	151.0	80961	145.5	146.5	1.0	
139.5 151.0 : graphitic unit , banded with trace to 20 % pyrite as bands or nodules , intrusive sections with pyrite at 139.5 to 139.8 trace green mica , 141.5 to 144.1 minor veining , 145.1 to 146.6 minor veining and trace graphite , at 151.0 END OF HOLE.		80962	146.5	148.0	1.5	
		80963	148.0	149.5	1.5	
		80964	149.5	151.0	1.5	



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450 MATHERSON BLVD. B.L. UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

To: V-MIN PIRC LTD. | | | | |
1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
MSC 1Y2

Project: SOUTH DETOUR
Comments: ATTN: R. H. McMILLAN CC: PAUL NICHOLLS

Page: | | | | |
Tot. : 3
Date : 3-FEB-89
Invoice # : I-8911044
P.O. # : | |

CERTIFICATE OF ANALYSIS A8911044

SAMPLE DESCRIPTION	PREP CODE		As ppb FATAA	105.
	212	----		
79001	212	----	VVVVV	
79002	212	----	S	
79003	212	----	S	
79004	212	----	S	
79005	212	----	S	
79006	212	----	V ¹⁰	
79007	212	----	VVV	
79008	212	----	VVV	
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79010	212	----	S	
79011	212	----	VV ¹⁰	
79012	212	----	VV	
79013	212	----	VV	
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79015	212	----	S	
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79017	212	----	S	
79018	212	----	S	
79019	212	----	S	
79020	212	----	S	
79021	212	----	V	
79022	212	----	S	
79023	212	----	S	
79024	212	----	S	
79025	212	----	S ¹⁰	
79026	212	----	VV ¹⁰	
79027	212	----	VV	
79028	212	----	VV	
79029	212	----	VVV ¹⁰	
79030	212	----	S	
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79032	212	----	S	
79033	212	----	S	
79034	212	----	S	
79035	212	----	S ¹⁰	
79036	212	----	S	
79037	212	----	S	
79038	212	----	S ²⁰	
79039	212	----	S	
79040	212	----	V	

CERTIFICATION: *Paul Nicholls*



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450 MATHERSON BLVD., E. UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

To: VICTORIN PURC... LTD.
1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project: SOUTH DETOIR
Comments: ATTN: R. H. McMillan CC: PAUL NICHOLLS

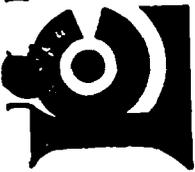
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Date: 3-FEB-89
Invoice #: I-8911044
P.O. # :
1

CERTIFICATE OF ANALYSIS A8911044

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79042	212	< 10																			
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79047	212	10																			
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79076	212	5																			
79077	212	5																			
79078	212	5																			
79079	212	5																			
79080	212	5																			

106.

CERTIFICATION : *Shukh Vankh*



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436 MATHESON BLVD. S.E. UNIT 34, MISSISSAUGA,

ONTARIO, CANADA L4Z-1R3

PHONE (416) 690-0310

TO: WESTMAN RESOURCES LTD.

1400 - 25 ADELAIDE ST. EAST
TORONTO, ON

MSC 1Y2

Project: SMITH DISTRICT

Comments: ATTN: R.H. McMILLAN CC: PAIV. NICHOLLS

Lot: 30.3

Date: 3-FEB-80

Invoice # 1-8911044

P.O. #

CERTIFICATE OF ANALYSIS A8911044

SAMPLE DESCRIPTION	PREP CODE	AS ppb FATHA								
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79083	212	SSSSS								
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79093	212	SSSSS								
79094	212	SSSSS								
79095	212	SSSSS								
79096	212	SSSS								
79097	212	SSSS								
79098	212	SSSS								

107.

CERTIFICATION: *Frank Verby*



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419 MATHEWSON BLVD., E. UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 690-9310

WEBSTER'S RESOURCES LTD.

1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project: SOUTH DETON

Comments: ATTN: R. B. McMILLAN CC: PAUL NICHOLS

Page No. *21*
Tot. Pages *23*
Date: *6-FEB-19*
Invoice # : *A-8911045*
P.O. #

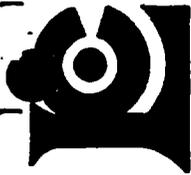
CERTIFICATE OF ANALYSIS A8911045

SAMPLE DESCRIPTION	PREP CODE	As ppb PATAA									
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79100	212		S								
79101	212		S								
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79106	212		S								
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79109	212	V	S								
79110	212	VVV	S								
79111	212		S								
79112	212		S								
79113	212		S								
79114	212	VVVVVV	S								
79115	212		S								
79116	212		S								
79117	212		S								
79118	212		S								
79119	212	VVVVVV	S								
79120	212		S								
79121	212		S								
79122	212		S								
79123	212		S								
79124+79125	212	VV	S								
79126	212		S								
79127	212		S								
79128	212		S								
79129	212		S								
79130	212	VV	S								
79131	212		S								
79132	212		S								
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79134	212		S								
79135	212	VVVVVV	S								
79136	212		S								
79137	212		S								
79138	212		S								
79139	212		S								

108.

CERTIFICATION :

Paul Nicholls



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450 MATHEWSON BLVD. S.E. UNIT 24, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 896-0310

JVES | RE | CBS

400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project: SOUTH DETOUR

Comments: ATTN: R.W. MAMILLAN CC: PAUL NICHOLLS

Job No.

Test. Fee

Date

Invoice # 11-8911045

P.O. #

CERTIFICATE OF ANALYSIS A8911045

SAMPLE DESCRIPTION	PREP CODE	As ppb PATAA								
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79141	212	VVVVV	S							
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79144	212	VVVVV	S							
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79174	212	VVVVV	S							
79175	212	130	S							
79176	212	200	S							
79177	212	VV	S							
79178	212	VV	S							
79179	212	VV	S							

109.

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IVES LAB CES
 1400 - 25 ADELAIDE ST. EAST
 TORONTO, ON
 M5C 1Y2

Project: SOUTH DETTOR
 Comments: ATTN: R.N. McMILLAN CC: PAUL NICKOLLS

To: PA
 Date: 6-FEB-99
 Invoice #: I-8911045
 P.O. #

CERTIFICATE OF ANALYSIS A8911045

SAMPLE DESCRIPTION	PREP CODE	AN PPB FATMA							
79180	212	VVVV							
79181	212	VVVV							
79182	212	VVVV							
79183	212	VVVV							
79184	212	VVVV 140							
79185	212	20							
79186	212	VVVV							
79187	212	VVVV							
79188	212	VVVV							
79189	212	VVVV							
79190	212	VVVVV							
79191	212	VVVVV							
79192	212	VVVVV							
79193	212	VVVVV							
79194	212	VVVVV							
79195	212	VV							110.
79196	212	VV							

CERTIFICATION: *Paul Nickolls*



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
450 MATTHEWSON BLVD., R. UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

YES IN RE ICBS

1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project: SOUTH DETOIR
Customer: ATTN: R. R. McMILLAN GC: PAUL NICROLLS

JNC
Tot. Paid: 7-FEB-89
Date: 7-FEB-89
Invoice #: I-8911046
P.O. #

CERTIFICATE OF ANALYSIS A8911046

SAMPLE DESCRIPTION	PREP CODE	AS PPB F/ATH	AN									
79197	212	8300	AN									
79198	212	1450	g/l									
79200	212	VVV	<0.07									
79201	212	VVV	<0.07									
79202	212	VVVVV										
79203	212	VVVVV										
79204	212	VVVVV										
79205	212	VVVVV										
79206	212	VVVVV										
79207	212	VVVVV										
79208	212	VVVVV										
79209	212	VVVVV										
79210	212	VVVVV										
79211	212	VVVVV										
79212	212	VVVVV										
79213	212	VVVVV										
79214	212	VVVVV										
79215	212	VVVVV										
79216	212	VVVVV										
79217	212	VVVVV										
79218	212	VVVVV										
79219	212	VVVVV										
79220	212	VVVVV										
79221	212	VVVVV										
79222	212	VVVVV ⁶⁰										
79223	212	VVVVV										
79224	212	VVVVV										
79225	212	VVVVV										
79226	212	VVVVV										
79227	212	V ¹⁵⁰ VVVVV										
79228	212	VVVVV										
79229	212	VVVVV										
79230	212	VVVVV										
79231	212	VVVVV										
79232	212	VVVVV										
79233	212	VVVVV										
79234	212	VVVVV										
79235	212	VVVVV										
79236	212	VVVVV										

CERTIFICATION: Stuart Buchler



Chemex Labs Ltd.

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410 MATTHEW BLVD. F. UNIT 14, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

YES | REF | CBS |

1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project: SMITH DETOUR

Comments: ATTN: R. H. McMILLAN GC: PAUL NICHOLS

Ino. Pa

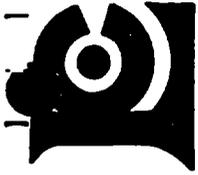
Toi. Pa
Date: 7-FEB-89
Invoice # : I-8911046
P.O. #

CERTIFICATE OF ANALYSIS A8911046

SAMPLE DESCRIPTION	PREP CODE	As Ppb FATMA	Am g/l						
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79238	212	VVVV	S						
79239	212	VVVV	S						
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79241	212	VVVV	S						
79242	212	VVVV	S						
79243	212	VVVV	S						
79244	212	VVVV	S						
79245	212	VVVV	S						
79246	212	VVVV	S						
79247	212	V	S						
79248	212	V	S						
79249	212	V	S						
79250	212	V	S						
79251	212	V	S						
79252	212	V	S						112.
79253	212	V	S						
79254	212	V	S						
79255	212	V	S						
79256	212	V	S						
79349	212	VVVVVV	S						
79350	212	VVVVVV	S						
79351	212	VVVVVV	S						
79352	212	VVVVVV	S						
79353	212	VVVVVV	S						
79354	212	VVVVV	S						
79355	212	VVVVV	S						
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79357	212	VVVVV	S						
79358	212	VVVVV	S						
79359	212	VVVVV	S						
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79361	212	VVVVV	S						
79362	212	VVVVV	S						
79363	212	VVVVV	S						
79364	212	V	S						
79365	212	V	S						
79366	212	V	S						
79367	212	V	S						
79368	212	V	S						

CERTIFICATION :

Stuart Buchler



Chemex Labs Ltd.

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450 MATHIESON BLVD., E. UNIT 14, MISSISSAUGA,
ONTARIO, CANADA L4S-1R5
PHONE (416) 690-9310

WESLIM/R RESOURCES LTD.

1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project : SOUTH DETONER
Comments: ATTN: R. N. McMILLAN CC: PAUL HIGHMILLER

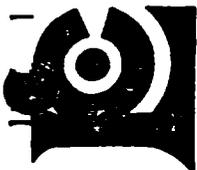
Page No. 3
Tot. Pages 3
Date : 13-FEB-89
Invoice # : I-8911260
P.O. #

CERTIFICATE OF ANALYSIS A8911260

SAMPLE DESCRIPTION	PREP CODE	AN PPB FAT-A											
79257	212	20											
79258	212	3											
79259	212	15											
79260	212	VV											
79261	212	VV											
79262	212	10											
79263	212	3											
79264	212	VVV											
79265	212	VVV											
79266	212	VVV											
79267	212	VVVVVV											
79268	212	VVVVVV											
79269	212	VVVVVV											
79270	212	VVVVVV											
79271	212	VVVVVV											
79272	212	VVVVVV											
79273	212	VVVVVV											
79274	212	VVVVVV											
79275	212	VVVVVV											
79276	212	VVVVVV											
79277	212	V											113.
79278	212	15											
79279	212	60											
79280	212	V											
79281	212	V 10											
79282	212	VV											
79283	212	VV											
79284	212	45											
79285	212	25											
79286	212	V											
79287	212	VVV											
79288	212	VVV											
79289	212	VVV											
79290	212	VVV											
79291	212	V 20											
79292	212	VVV											
79293	212	VVV											
79294	212	VVV											
79295	212	VVV											
79296	212	V 10											

CERTIFICATION :

Paul Vank



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450 MATHIESON BLVD. S.E. UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 899-9318

WE IN R. KCS P. | | | | |
1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project: SOUTH DUTOR
Comments: ATTN: R. H. McMILLAN CC: PAUL NICHOLLS

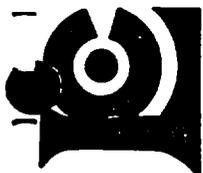
Lot: 133
Date: 13-FEB-88
Invoice #: 1-8911260
P.O. #

CERTIFICATE OF ANALYSIS A8911260

SAMPLE DESCRIPTION	PREP CODE	Am ppb FATAA																		
79297	212	VVVVV	S																	
79298	212	VVVVV	S																	
79299	212	VVVVV	S																	
79300	212	VVVVV	S																	
79301	212	VVVVV	S																	
79302	212	VV	S																	
79303	212	VV	S																	
79304	212	VV	S																	
79305	212	VV	S																	
79306	212	VV	S																	
79307	212	VVVVV	S																	
79308	212	VVVVV	S																	
79309	212	VVVVV	S																	
79310	212	VVVVV	S																	
79311	212	VVVVV	S																	
79312	212	VVV	S																	
79313	212	VVV	S																	
79314	212	VVV	S																	
79315	212	V	S																	
79316	212	V	S																	
79317	212	VVV	S																	
79318	212	VVV	S																	
79319	212	VVV	S																	
79320	212	VVV	S																	
79321	212	V	S																	
79322	212	V	S																	
79323	212	V	S																	
79324	212	V	S																	
79325	212	V	S																	
79326	212	V	S																	
79327	212	VVV	S																	
79328	212	VVV	S																	
79329	212	VVV	S																	
79330	212	V	S																	
79331	212	VVV	S																	
79332	212	VVV	S																	
79333	212	VVV	S																	
79334	212	VVV	S																	
79335	212	VVV	S																	
79336	212	V	S																	

114.

CERTIFICATION: *Paul Nicholls*



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PHONE (416) 890-0310

WE'VE BEEN RECALIBRATED.

1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project : SOUTH DETOUR
Comments: ATTN: R. McMILLAN CC: PAUL NICHOLLS

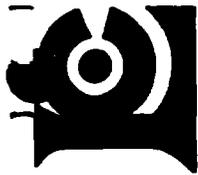
To: P.O.
Date: 13-FEB-89
Invoice #: I-8911260
P.O. #

CERTIFICATE OF ANALYSIS A8911260

SAMPLE DESCRIPTION	PREP CODE	As ppb FAAA											
79337	212	---											
79338	212	---											
79339	212	---											
79340	212	---											
79341	212	---											
79342	212	---											
79343	212	---											
79344	212	---											
79345	212	---											
79346	212	---											
79347	212	---											
79348	212	---											
													115.

CERTIFICATION :

Paul Umh



Chemex Labs Ltd.

Analytical Chemists & Geochemists - Registered Assayers
450 MATHESON BLVD., R. UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 898-0310

BENJAMIN RESOURCES LTD.

1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project: SOUTH DETOIR
Comments: ATTN: R. R. McMILLAN CC: PAUL NICKOLI.R

Page No. 29

Tot. Pages 3

Date: 7-FEB-89

Invoice #: 1-8911046

P.O. #

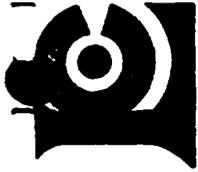
CERTIFICATE OF ANALYSIS A8911046

SAMPLE DESCRIPTION	PREP CODE	As ppb FAHA									
79369	212	35									
79370	212	VVVV									
79371	212	VVVV									
79372	212	VVVV									
79373	212	VVVV									
79374	212	55									
79375	212	55									
79376	212	30									
79377	212	VV									
79378	212	VV									
79379	212	55									
79380	212	55									
79381	212	105									
79382	212	V									
79383	212	V									
79384	212	55									
79385	212	55									

116.

CERTIFICATION :

Stuart Buchler



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Analytical Chemistry & Geochemistry • Registered Assayers
450 MATTHESON BLVD. S.E. UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

WESTERN AIRWAYS P.

1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project: SOUTH DETOUR

Comments: ATTN: R. H. McMILLAN CC: PAUL NICHOLLS

To: *IN*
Date: 14-FEB-84
Invoice #: I-8911311
P.O. #

CERTIFICATE OF ANALYSIS A8911311

SAMPLE DESCRIPTION	PREP CODE	AN PPB F/HA	AN g/l																	
79386	212																			
79387	212	75																		
79388	212	85																		
79389	212	15																		
79390	212	25																		
		< 5																		
79391	212	< 5																		
79393	212	> 10000	< 0.07																	
79394	212	3430	< 0.07																	
79395	212	8780	< 0.07																	
79396	212	6730	< 0.07																	
79397	212	780	< 0.07																	
79398	212	35																		
79399	212	15																		
79400	212	20																		
79401	212	< 5																		
79402	212	VV																		
79403	212	55																		
79404	212	15																		
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79407	212	10																		
79408	212	V																		
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79412	212	100																		
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79414	212	VVV																		
79415	212	VVV																		
79416	212	VVV																		
79417	212	VVV																		
79418	212	VVV																		
79419	212	VVV																		
79420	212	VVV																		
79421	212	VVV																		
79422	212	VVV																		
79423	212	VVV																		
79424	212	VVV																		
79425	212	VVV																		
79426	212	VVV																		

CERTIFICATION :

Paul Nicholls



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
459 MATTHEWSON BLVD., E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 899-0310

JWES J RE JCS

1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project : SOUTH DETOUR

Comments: ATTN: R. H. McMILLAN CC: PAUL NICHOLLS

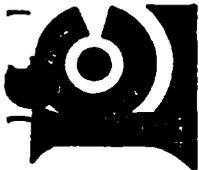
Tot. R
Date 14-FEB-89
Invoice # 1-8911311
P.O. #

CERTIFICATE OF ANALYSIS A8911311

SAMPLE DESCRIPTION	PREP CODE	As ppb FATAA									
79427	212	10									
79428	212	V									
79429	212	V									
79430	212	20									
79431	212	V									
79432	212	10									
79433	212	V									
79434	212	V									
79435	212	10									
79436	212	V									
											118.

CERTIFICATION :

Frank Vank



Chemex Labs Ltd.

Analytical Chemists & Geochemists - Registered Assayers
439 MATHEWSON BLVD. E., UNIT 34, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 590-0310

WE IN RELIABLE SERVICE

1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project: SOUTH DETOUR
Comments: ATTN: R. H. McMILLAN CC: PAUL NICHOLLS

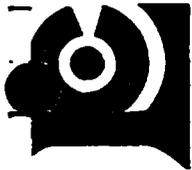
Lab No. 1001
Tot. P. 1
Date: 13-FEB-88
Invoice # : 1-8911370
P.O. # :

CERTIFICATE OF ANALYSIS A8911370

SAMPLE DESCRIPTION	PREP CODE	As ppb FAHA	As 214								
79502	212	VVVVV									
79503	212	VVVVV									
79504	212	VVVVV									
79505	212	VVVVV									
79506	212	VVVVV									
79507	212	VVVVV									
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79515	212	VVVVV									
79516	212	VVVVV									
79517	212	20									121.
79518	212	V									
79519	212	105									
79520	212	35									
79521	212	35									
79522	212	600	20.07								
79523	212	V									
79524	212	10									
79525	212	25									

CERTIFICATION :

Paul Nicholls



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459 MATTHEWSON BLVD., E., UNIT 34, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R3
PHONE (416) 890-0310

WE NRI ICES ..J.

1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project: SOUTH DETOUR

Comments: ATTN: R.H. McMILLAN CC: PAUL NICKOLLS

Tel: (416) 890-0310
Date: 14-FEB-89
Invoice # : I-8911319
P.O. #

CERTIFICATE OF ANALYSIS A8911319

SAMPLE DESCRIPTION	PREP CODE	AN ppb FATMA																			
79526	212	60																			
79527	212	VVVV																			
79528	212	VVVV																			
79529	212	VVVV																			
79530	212	VVVV																			
79531	212	VVVVV																			
79532	212	VVVVV																			
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79534	212	VVVVV																			
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79536	212	10																			
79537	212	VVV																			
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79539	212	VVV																			
79540	212	VVV																			
79541	212	30																			122.
79542	212	VVVV																			
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79546	212	VVVVV																			
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79548	212	VVVVV																			
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79551	212	VVV																			
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79554	212	VVV																			
79555	212	10																			
79556	212	20																			
79557	212	VVVV																			
79558	212	VVVV																			
79559	212	VVVV																			
79560	212	VVVV																			
79561	212	VV																			
79562	212	VV																			
79563	212	VV																			
79564	212	VV																			
79565	212	VV																			

CERTIFICATION :

Paul North



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assessors
410 MATHESON BLVD. E. UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R3
PHONE (416) 690-0310

WBS RE CBES



1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project: SOUTH DETOUR
Comments: ATTN: R. H. McMILLAN CC: PAUL NICHOLLS

To:
Date: 14-FEB-89
Invoice #: A8911319
P.O. #

CERTIFICATE OF ANALYSIS A8911319

SAMPLE DESCRIPTION	PREP CODE		Am ppb FAHA	23.
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79566	212	---	5	
79567	212	---	5	
79568	212	---	5	
79569	212	---	20	
79570	212	---	40	
79571	212	---	5	
79572	212	---	5	
79573	212	---	5	
79574	212	---	5	
79575	212	---	5	
79576	212	---	5	
79577	212	---	5	
79578	212	---	25	
79579	212	---	5	
79580	212	---	5	
79581	212	---	5	
79582	212	---	5	
79583	212	---	10	
79584	212	---	5	
79585	212	---	5	
79586	212	---	5	
79587	212	---	5	
79588	212	---	5	
79589	212	---	5	
79590	212	---	5	
79591	212	---	5	
79592	212	---	5	
79593	212	---	5	
79594	212	---	5	
79595	212	---	5	
79596	212	---	5	
79597	212	---	5	
79667	212	---	5	
79668	212	---	5	
79669	212	---	5	
79670	212	---	5	

CERTIFICATION: *Paul Nicholls*



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450 MATHISON BLVD., E. UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R1

PHONE (416) 698-0310

WBES ... R. ... ICBS ...

1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project: SOUTH DETOIR

Comments: ATTN: R. N. McMILLAN CC: PAUL NICROLLS

Lot: M
Date: 14-FEB-89

Invoice # : 1-9911371

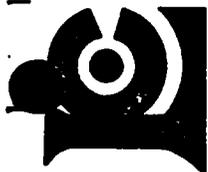
P.O. # :

CERTIFICATE OF ANALYSIS A8911371

SAMPLE DESCRIPTION	PRBP CODE	Au ppb F/mtm											
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79600	212	VVVVV	SSSSS										
79601	212	VVVVV	SSSSS										
79602	212	VVVVV	SSSSS										
79603	212	VVVVV	SSSSS										
79604	212	VVVVV	SSSSS										
79605	212	VVVVV	SSSSS										
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79608	212	VVVVV	SSSSS										
79609	212	VVVVV	SSSSS										
79610	212	VVVVV	SSSSS										
79611	212	VVVVV	SSSSS										
79612	212	VVVVV	SSSSS										
79613	212	VVVVV	SSSSS										124.
79614	212	VVVVV	SSSSS										
79615	212	VVVVV	SSSSS										
79616	212	VVVVV	SSSSS										
79617	212	VVVVV	SSSSS										
79618	212	VVVVV	SSSSS										
79619	212	VVVVV	SSSSS										
79620	212	VVVVV	SSSSS										
79621	212	VVVVV	SSSSS										
79622	212	VVVVV	SSSSS										
79623	212	VVVVV	SSSSS										
79624	212	VVVVV	SSSSS										
79625	212	VVVVV	SSSSS										
79626	212	VVVVV	SSSSS										
79627	212	VVVVV	SSSSS										
79628	212	VVVVV	SSSSS										
79629	212	VVVVV	SSSSS										
79630	212	VVVVV	SSSSS										
79631	212	VVVVV	SSSSS										
79632	212	VVVVV	SSSSS										
79633	212	VVVVV	SSSSS										
79634	212	VVVVV	SSSSS										
79635	212	VVVVV	SSSSS										
79636	212	VVVVV	SSSSS										
79637	212	VVVVV	SSSSS										

CERTIFICATION :

Frank Voth



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
450 MATTHEWSON BLVD., E., UNIT 34, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

RESOURCES LTD.

1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project: SOUTH DETOUR
Chemists: ATTN: R. H. McMillan Q31 PAIR. NICKLIN:IR

Page 10

Total Pages 2

Date 14-FEB-84

Invoice # 1-8911371

P.O. #

CERTIFICATE OF ANALYSIS A891137.1

SAMPLE DESCRIPTION	PREP CODE	AN PPB FATHA																	
79638	212	VVVVV	S																
79639	212	VVVVV	S																
79640	212	VVVVV	S																
79641	212	VVVVV	S																
79642	212	VVVVV	S																
79643	212	VVV	S																
79644	212	VVV	S																
79645	212	VVV	S																
79646	212	10	S																
79647	212	35	S																
79648	212	10	S																
79649	212	40	S																
79650	212	25	S																
79651	212	VV	S																
79652	212	VV	S																
79653	212	VVVVVV	S																125.
79654	212	VVVVVV	S																
79655	212	VVVVVV	S																
79656	212	VVVVVV	S																
79657	212	VVVVVV	S																
79658	212	VVV	S																
79659	212	VVV	S																
79660	212	10	S																
79661	212	15	S																
79662	212	V	S																
79663	212	VVV	S																
79664	212	VVV	S																
79665	212	VVV	S																

CERTIFICATION:

Frank Walsh



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assessors
450 MATHEWSON BLVD. E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1A5
PHONE (416) 890-0310

WESTERN RECORDS

1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project : SOUTH DETOUR

Comments: ATTN: R. H. McMILLAN CC: PAUL NICHOLLS

101. P.C.

Date : 13-FEB-89
Invoice # : I-8911422
P.O. # :

CERTIFICATE OF ANALYSIS A8911422

SAMPLE DESCRIPTION	PREP CODE	As ppb FATAA								
79666	212 --	< 5								126.

CERTIFICATION :

Frank Vank



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Analytical Chemistry & Geochemistry • Registered Analyzers
450 MATHESON BLVD. B.S. UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R3
PHONE (416) 890-0310

YES JARS YES

1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project: SOUTH DETOUR

Comments: ATTN: R.H. McMILLAN CC: PAUL NICHOLLS

P. J. C.

Tel. Fax
Date 19-FEB-89
Invoice # 1-8911372
P.O. #

CERTIFICATE OF ANALYSIS A8911372

SAMPLE DESCRIPTION	PREP CODE	As ppb FAHA	Cu ppm							
79671	212	VVVV 5	-----							
79672	212	VVVV 5	-----							
79673	212	VVVV 5	-----							
79674	212	VVVV 5	-----							
79675	212	VVVV 20	-----							
79676	212	V 5	-----							
79677	212	V 25	-----							
79678	212	V 5	-----							
79679	212	V 5	-----							
79680	212	V 15	-----							
79681	212	VV 5	-----							
79682	212	VV 10	-----							
79683	212	VV 5	-----							
79684	212	VV 10	-----							
79685	212	VV 10	-----							
79686	212	VVVVVV 5	-----							
79687	212	VVVVVV 5	-----							
79688	212	VVVVVV 5	-----							
79689	212	VVVVVV 5	-----							
79690	212	VVVVVV 5	-----							
79691	212	VVVVVV 5	-----							
79692	212	VVVVVV 5	-----							
79693	212	VVVVVV 5	-----							
79694	212	VVVVVV 5	-----							
79695	212	VVVVVV 5	-----							
79696	212	VVVV 25	-----							
79697	212	VVVV 25	-----							
79698	212	VVVV 25	-----							
79699	212	VVVV 25	-----							
79700	212	VVVV 25	-----							
79701	212	VVVVV 5	-----							
79702	212	VVVVV 5	-----							
79703	212	VVVVV 5	-----							
79704	212	VVVVV 5	-----							
79705	212	VVVVV 5	-----							
79706	212	VVVVVV 5	-----							
79707	212	VVVVVV 5	-----							
79708	212	VVVVVV 5	-----							
79709	212	VVVVVV 5	-----							
79710	212	VVVVVV 5	-----							

CERTIFICATION :

Stuart Suckler



chemex Labs Ltd.

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456 MATTHEWSON BLVD., E., UNIT 34, MISSISSAUGA,
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YES | RES | FBS |

1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project : SOUTH DETOUR

Comments: ATTN: R.N.McMILLAN CC: PAUL NICHOLLS

P. H.C.

Total P.H.C.
Date : 19-FEB-89
Invoice # : I-8911372
P.O. # :

CERTIFICATE OF ANALYSIS A8911372

SAMPLE DESCRIPTION	PREP CODE	As ppb FAAA	Cu ppm										
79711	212	VVVVV	-----										
79712	212	VVVVV	-----										
79713	212	VVVVV	-----										
79714	212	VVVVV	-----										
79715	212	VVVVV	-----										
79716	212	VVV	-----										
79717	212	VVV	-----										
79718	212	VVV	-----										
79719	212	V	-----										
79720	212	V	-----										
79721	212	VVV	-----										
79722	212	VVV	-----										
79723	212	VVV	-----										
79724	212	V	-----										
79725	212	V	-----										
79726	212	VVV	-----										
79727	212	VVV	-----										
79728	212	VVV	-----										
79729	212	VVV	-----										
79730	212	VVV	-----										
79731	212	VVVVV	-----										
79732	212	VVVVV	-----										
79733	212	VVVVV	-----										
79734	212	VVVVV	-----										
79735	212	VVVVV	-----										
79736	212	VVVVV	-----										
79737	212	VVVVV	-----										
79738	212	VVVVV	-----										
79739	212	VVVVV	-----										
79740	212	VVVVV	-----										
79741	212	VVVVV	-----										
79742	212	VVVVV	-----										
79743	212	VVVVV	-----										
79744	212	VVVVV	-----										
79745	212	VVVVV	-----										
79746	212	VVVVV	-----										
79747	212	VVVVV	-----										
79748	212	VVVVV	-----										
79749	212	VVVVV	-----										
79750	212	VVVVV	-----										
													128.

CERTIFICATION :

Paul Nicholls



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PHONE (416) 890-0310

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1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project : SOUTH DETOUR
Comments: ATTN: R. H. McMILLAN CC: PAUL NICHOLLS

Page no. 10

Tel. No.

Date 19-FEB-80

Invoice # 1-9911372

P.O. #

CERTIFICATE OF ANALYSIS A8911372

SAMPLE DESCRIPTION	PREP CODE	As ppb FA-AA	Cu ppm							
79751	212	-----	-----							
79752	212	-----	-----							
79753	212	-----	-----							
79754	212	-----	-----							
79755	212	-----	-----							
79756	212	-----	-----							
79757	212	-----	135							
79758	212	-----	-----							
79759	212	-----	-----							
79760	212	-----	-----							
79761	212	-----	-----							
79762	212	-----	-----							
79763	212	-----	-----							
79764	212	-----	-----							
79765	212	-----	-----							
79766	212	-----	-----							
79767	212	-----	-----							
79768	212	-----	-----							
79769	212	-----	-----							
79770	212	-----	-----							
										129.

CERTIFICATION :

Paul Nicholls



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 456 MATHIESON BLVD. E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 690-9110

YES YES YES

1400 - 25 ADELAIDE ST. EAST
 TORONTO, ON
 MSC 1Y2

Project : SOUTH DETOUR
 Comments: ATTN: R. H. McMILLAN CC: PAUL NICHOLLS

To: P.O. Box
 Date: 19-FEB-84
 Invoice # 1-8911373
 P.O. #

CERTIFICATE OF ANALYSIS A8911373

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA-AA	Cu ppm									
79771	212	VVVVV	-----									
79772	212	VVVVV	-----									
79773	212	VVVVV	-----									
79774	212	VVVVV	-----									
79775	212	VVVVV	-----									
79776	212	VVVVV	-----									
79777	212	VVVVV	-----									
79778	212	VVVVV	-----									
79779	212	VVVVV	-----									
79780	212	VVVVV	-----									
79781	212	VVVVV	-----									
79782	212	VVVVV	-----									
79783	212	VVVVV	-----									
79784	212	VVVVV	-----									
79785	212	VVVVV	-----									
79786	212	VVVVV	-----									
79787	212	VVVVV	-----									
79788	212	VVVVV	-----									
79789	212	VVVVV	-----									
79790	212	VVVVV	-----									
79791	212	V ⁷⁵ VVV	-----									
79792	212	VVVVV	-----									
79793	212	VVVVV	-----									
79794	212	VVVVV	-----									
79795	212	VVV V	-----									
		VVVVV	-----									
		VVV V	-----									
		VVVVV	-----									
		VVV V	-----									
		VVVVV	-----									
		VVV V	-----									
		VVVVV	-----									
		VVV V	-----									
		VVVVV	-----									
		VVV V	-----									
		VVVVV	-----									
		VVV V	-----									
		VVVVV	-----									
		VVV V	-----									
		VVVVV	-----									
		VVV V	-----									
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		VVV V	-----									
		VVVVV	-----									
		VVV V	-----									
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		VVV V	-----									
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		VVV V	-----									
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		VVV V	-----									
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		VVV V	-----									
		VVVVV	-----									
		VVV V	-----									
		VVVVV	-----									
		VVV V	-----									
		VVVVV	-----									
		VVV V	-----									
		VVVVV	-----									
		VVV V	-----									
		VVVVV	-----									
		VVV V	-----									



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
450 MATHESON BLVD. P. UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 690-0310

YES YES YES

1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project : SOUTH DETONAR
Comments: ATTN: R. H McMILLAN CC: PAUL NICHOLLS

Toi. P. NO
Date : 27-FEB-89
Invoice # : I-8911742
P.O. #

CERTIFICATE OF ANALYSIS A8911742

SAMPLE DESCRIPTION	PREP CODE	Au ppb FATAA																		
80100	212	VVVVV	S																	
80101	212	VVVVV	S																	
80102	212	VVVVV	S																	
80103	212	VVVVV	S																	
80104	212	VVVVV	S																	
80105	212	VVVVV	S																	
80106	212	VVVVV	S																	
80107	212	VVVVV	S																	
80108	212	VVVVV	S																	
80109	212	VVVVV	S																	
80110	712	VVVVV	S																	
80111	212	VVVVV	S																	
80112	212	VVVVV	S																	
80113	212	VVVVV	S																	
80114	212	VVVVV	S																	
80115	212	VVVVV	S																	
80116	212	VVVVV	S																	
80117	212	VVVVV	S																	
80118	212	VVVVV	S																	
80119	212	VVVVV	S																	
80120	212	VVVVV	S																	
80121	212	VVVVV	S																	
80122	212	VVVVV	S																	
80123	212	VVVVV	S																	
80124	212	VVVVV	S																	
80125	212	VVVVV	S																	
80126	212	VVVVV	S																	
80127	212	VVVVV	S																	
80128	212	VVVVV	S																	
80129	212	VVVVV	S																	
80130	212	VVVVV	S																	
80131	212	VVVVV	S																	
80132	212	VVVVV	S																	
80133	212	VVVVV	S																	
80134	212	VVVVV	S																	
80135	212	VVVVV	S																	
80136	212	VVVVV	S																	
80137	212	VVVVV	S																	
80138	212	VVVVV	S																	
80139	212	VVVVV	S																	

CERTIFICATION :

Paul Vank



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450 MATHEWSON BLVD., S. UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

WESTERN REFERENCE

1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project: SOUTH DETOUR

Comments: ATTN: R. H. McMILLAN CC: PAUL NICHOLLS

P. O. #

Tot. P.O.
Date: 27-FEB-84
Invoice # 1-891174;
P.O. #

CERTIFICATE OF ANALYSIS A8911742

SAMPLE DESCRIPTION	PREP CODE	As Ppb FATAA									
80140	212	VVVVV	S								
80141	212	VVVVV	S								
80142	212	VVVVV	S								
80143	212	VVVVV	S								
80144	212	VVVVV	S								
80145	212	VVVVV	S								
80146	212	VVVVV	S								
80147	212	VVVVV	S								
80148	212	VVVVV	S								
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80161	212	VVVVV	S								
80162	212	VVVVV	S								
80163	212	VVVVV	S								
80164	212	VVVVV	S								
80165	212	VV ¹⁰ VV	S								
80166	212	VV ¹⁰ VV	S								
80167	212	VV ¹⁰ VV	S								
80168	212	VV ¹⁰ VV	S								
80169	212	VV ¹⁰ VV	S								
80170	212	VVVVV	S								
80171	212	VVVVV	S								
80172	212	VVVVV	S								
80173	212	VVVVV	S								
80174	212	VVVVV	S								
80175	212	VV ¹⁰ VV	S								
80176	212	VV ¹⁰ VV	S								
80177	212	VV ¹⁰ VV	S								
80178	212	VV ¹⁰ VV	S								
80179	212	VV ¹⁰ VV	S								

CERTIFICATION :

Paul V. Man



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450 MATTHEWSON BLVD. N. UNIT 14, MISSISSAUGA,
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PHONE (416) 890-0310

WEST... RES... JES...

1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project: MIRTH INTIMOR
Comments: ATTN: R. H. McMILLAN C/O: PAUL NICHOLLIS

To: P.O. #
Date: 27-FEB-84
Invoice # 1-8911742
P.O. #

CERTIFICATE OF ANALYSIS A8911742

SAMPLE DESCRIPTION	PREP CODE	Am ppb FATMA								
80180	212	VVVVV	S							
80181	212	VVVVV	S							
80182	212	VVVVV	S							
80183	212	VVVVV	S							
80184	212	VVVVV	S							
80185	212	VVVVV	S							
80186	212	VVVVV	S							
80187	212	VVVVV	S							
80188	212	VVVVV	S							
80189	212	VVVVV	S							
80190	212	VVVVV	S							
80191	212	VVVVV	S							
80192	212	VVVVV	S							
80193	212	VVVVV	S							
80194	212	VVVVV	S							
80195	212	VVVVV	S							
80196	212	VVVVV	S							
80197	212	VVVVV	S							
80198	212	VVVVV	S							
80199	212	VVVVV	S							

142.

CERTIFICATION : *Paul Nicholls*



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450 MATHESON BLVD. R. 1. UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0110

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1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project: SMITH DETOUR

Comments: ATTN: R. H. McMILLAN CC: PAUL NICHOLLS

Page 10
Tot. Pgs 11
Date : 26-FEB-89
Invoice # : I-8911743
P.O. # :

CERTIFICATE OF ANALYSIS A8911743

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA								
80200	212	VVVVVV								
80201	212	VVVVVV								
80202	212	VVVVVV								
80203	212	VVVVVV								
80204	212	VVVVVV								
80205	212	VVVVVV								
80206	212	VVVVVV								
80207	212	VVVVVV								
80208	212	VVVVVV								
80209	212	VVVVVV								
80210	212	VVVVVV								
80211	212	VVVVVV								
80212	212	VVVVVV								
80213	212	VVVVVV								
80214	212	VVVVVV								
80215	212	VVVVVV								
80216	212	VVVVVV								
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80218	212	VVVVVV								
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80220	212	VVVVVV								
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80227	212	VVVVVV								
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80230	212	VVVVVV								
80231	212	VVVVVV								
80232	212	VVVVVV								
80233	212	VVVVVV								
80234	212	VVVVVV								
80235	212	VVVVVV								
80236	212	VVVVVV								
80237	212	VVVVVV								
80238	212	VVVVVV								
80239	212	VVVVVV								

143.

CERTIFICATION : *Paul Nicholls*



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Analytical Chemists • Geochemists • Registered Assayers
450 MATHURSON BLVD. E. UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 599-9310

WESTMIN RESOURCES LTD.

1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project: SKIITH DETONAR

Contacts: ATTN: R. H. McMILLAN CC: PAUL NICHOLLS

Page 2
Tot. Pages: 3
Date: 26-FEB-89
Invoice #: I-8911743
P.O. #

CERTIFICATE OF ANALYSIS A8911743

SAMPLE DESCRIPTION	PREP CODE	Au ppb FATAA								
80240	212	VVV								
80241	212	V								
80242	212	VVVVVV								
80243	212	V								
80244	212	VVVVVV								
80245	212	VVVVVV								
80246	212	VVVVVV								
80247	212	VVVVVV								
80248	212	VVVVVV								
80249	212	VVVVVV								
80250	212	VVVVVV								
80251	212	VVVVVV								
80252	212	VVVVVV								
80253	212	VVVVVV								
80254	212	VVVVVV								
80255	212	VVVVVV								
80256	212	VVVVVV								
80257	212	VVVVVV								
80258	212	VVVVVV								
80259	212	VVVVVV								
80260	212	VVVVVV								
80261	212	VVVVVV								
80262	212	VVVVVV								
80263	212	VVVVVV								
80264	212	VVVVVV								
80265	212	VVVVVV								
80266	212	VVVVVV								
80267	212	VVVVVV								
80268	212	VVVVVV								
80269	212	VVVVVV								
80270	212	VVVVVV								
80271	212	VVVVVV								
80272	212	VVVVVV								
80273	212	VVVVVV								
80274	212	VVVVVV								
80275	212	VVVVVV								
80276	212	VVVVVV								
80277	212	VVVVVV								
80278	212	VVVVVV								
80279	212	VVVVVV								

144.

CERTIFICATION: *Isaiah Zuckerman*



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450 MATHESON BLVD., E. UNIT 54, MIRRISALIGA,
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PHONE (416) 898-0110

WESBANK RESOURCES LTD.

1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project: SOUTH DETOUR
Comments: ATTN: R. McMILLAN CC: PAUL NICHOLLS

Tot. P.O. # : 3
Date : 26-FEB-89
Invoice # : I-8911743
P.O. #

CERTIFICATE OF ANALYSIS A8911743

SAMPLE DESCRIPTION	PREP CODE	AN ppb FATAA								
80280	212	VVVVV	S							
80281	212	VVVVV	S							
80282	212	VVVVV	S							
80283	212	VVVVV	S							
80284	212	VVVVV	S							
80285	212	V	S							
80286	212	V	10							
80287	212	V	5							
80288	212	V	70							
80289	212	V	5							
80290	212	V	20							
80291	212	VV	S							
80292	212	VV	10							
80293	212	V	5							
80294	212	V	10							
80295	212	V	S							
80296	212	V	15							
80297	212	VVV	S							
80298	212	VVV	S							
80299	212	VVV	S							

145.

CERTIFICATION :

South Detour



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450 MATHEWSON BLVD., E. UNIT 54, MISSISSAUGA,
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PHONE (416) 590-0310

CBS | RE: CBS |

1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project : SOUTH DETOUR
Comments: ATTN: R. H. McMILLAN CC: PAUL NICHOLLS

Inv. No. |

Tot. Pgs. |

Date : 29-FEB-89

Invoice # : 1-8911822

P.O. # |

CERTIFICATE OF ANALYSIS A8911822

SAMPLE DESCRIPTION	PREP CODE	As ppb FATAA	Cu ppm																	
80300	212	VVVVV	-----																	
80301	212	VVVVV	-----																	
80302	212	VVVVV	-----																	
80303	212	VVVVV	-----																	
80304	212	VVVVV	-----																	
80305	212	VVVVV	-----																	
80306	212	VVVVV	-----																	
80307	212	VVVVV	-----																	
80308	212	VVVVV	-----																	
80309	212	VVVVV	-----																	
80310	212	VVVVV	-----																	
80311	212	VVVVV	-----																	
80312	212	VVVVV	-----																	
80313	212	VVVVV	-----																	
80314	212	VVVVV	-----																	
80315	212	VVVVV	-----																	
80316	212	VVVVV	-----																	
80317	212	VVVVV	-----																	
80318	212	VVVVV	-----																	
80319	212	VVVVV	-----																	
80320	212	VVVVV	-----																	
80321	212	VVVVV	-----																	
80322	212	VVVVV	-----																	
80323	212	VVVVV	-----																	
80324	212	VVVVV	-----																	
80325	212	VVVVV	-----																	
80326	212	VVVVV	-----																	
80327	212	VVVVV	-----																	
80328	212	VVVVV	-----																	
80329	212	VVVVV	-----																	
80330	212	VVVVV	-----																	
80331	212	VVVVV	930																	
80332	212	VVVVV	-----																	
80333	212	VVVVV	-----																	
80334	212	VVVVV	-----																	
80335	212	VVVVV	-----																	
80336	212	VVVVV	-----																	
80337	212	VVVVV	-----																	
80338	212	VVVVV	-----																	
80339	212	VVVVV	-----																	
																				146.

CERTIFICATION :

Handwritten signature



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Project: SOUTH DETOUR
Comments: ATTN: R. H. McMILLAN CC: PAUL NICHOLLS

Case No. 1
Tot. Pages 2
Date: 28-FEB-89
Invoice #: I-8911822
P.O. #

CERTIFICATE OF ANALYSIS A8911822

SAMPLE DESCRIPTION	PREP CODE	As ppb FA+AA	Cu ppm						
80340	212	VVVVV	-----						
80341	212	VVVVV	-----						
80342	212	VVVVV	-----						
80343	212	VVVVV	-----						
80344	212	VVVVV	-----						
80345	212	VVVVV	-----						
80346	212	VVVVV	-----						
80347	212	VVVVV	-----						
80348	212	VVVVV	-----						
80349	212	VVVVV	-----						
80350	212	VVVVV	-----						
80351	212	VVVVV	-----						
80352	212	VVVVV	-----						
80353	212	VVVVV	-----						
80354	212	VVVVV	-----						
80355	212	VVVVV	-----						
80356	212	VVVVV	-----						
80357	212	VVVVV	-----						
80358	212	VVVVV	-----						
80359	212	VVVVV	-----						
80360	212	VVVVV	-----						
80361	212	VVVVV	-----						
80362	212	VVVVV	-----						
80363	212	VVVVV	-----						
80364	212	VVVVV	-----						
80365	212	VVVVV	-----						
80366	212	VVVVV	-----						
80367	212	VVVVV	-----						
80368	212	VVVVV	-----						
80369	212	VVVVV	-----						
80370	212	VVVVV	-----						
80371	212	VVVVV	-----						
80372	212	VVVVV	-----						
80373	212	VVVVV	-----						
80374	212	VVVVV	-----						
80375	212	VVVVV	-----						
80376	212	VVVVV	-----						
80377	212	VVVVV	-----						
80378	212	VVVVV	-----						
80379	212	VVVVV	-----						
			285						
			830						

CERTIFICATION:

Paul Nicholls



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WESTMIN RESOURCES LTD.
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M5C 1Y2

Project: SOUTH DETOIR
Comments: ATTN: R.H. McMILLAN CC: PAUL NICHOLLS

Pl. No. b.c.
Tot. Pgs. 1
Date 1-MAR-89
Invoice # : I-8911824
P.O. #

CERTIFICATE OF ANALYSIS A8911824

SAMPLE DESCRIPTION	PREP CODE	As ppb FATAA	Cu ppm						
80380	212	VVVVV	-----						
80381	212	VVVVV	-----						
80382	212	VVVVV	-----						
80383	212	VVVVV	-----						
80384	212	VVVVV	-----						
80385	212	VVVVV	-----						
80386	212	VVVVV	-----						
80387	212	VVVVV	-----						
80388	212	VVVVV	-----						
80389	212	VVVVV	-----						
80390	212	VVVVV	-----						
80391	212	VVVVV	-----						
80392	212	VVVVV	-----						
80393	212	VVVVV	-----						
80394	212	VVVVV	-----						
80395	212	VV	-----						
80396	212	VV	-----						
80397	212	10	-----						
80398	212	10	-----						
80399	212	V	1200						
80400	212	V	47						148.
80401	212	V	-----						
80402	212	V	-----						
80403	212	V	-----						
80404	212	V	-----						
80405	212	115	-----						
80406	212	50	-----						
80407	212	40	-----						
80408	212	140	-----						
80409	212	60	-----						
80410	212	V	-----						
80411	212	25	-----						
80412	212	25	-----						
80413	212	25	-----						
80414	212	25	-----						
80415	212	VV	-----						
80416	212	V	-----						
80417	212	V	-----						
80418	212	V	-----						
80419	212	V	-----						

CERTIFICATION :

Stuart Buchler



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Project : SOUTH DETOUR

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Page No. 3

Tel. No. 3

Date 1-MAR-89

Invoice # 1-9911824

P.O. #

CERTIFICATE OF ANALYSIS A8911824

SAMPLE DESCRIPTION	PRBP CODE	Au ppb FATAA	Cu ppm							
80420	212	< 5	---							
80421	212	< 5	---							
80422	212	< 10	---							
80423	212	10	---							
80424	212	15	---							
80425	212	30	---							
80426	212	15	---							
80427	212	20	---							
80428	212	10	---							
80429	212	10	---							
80430	212	5	---							
80431	212	20	---							
80432	212	10	---							
80433	212	10	---							
80434	212	10	---							
80435	212	15	---							
80436	212	40	---							
80437	212	60	---							
80438	212	20	---							
80439	212	10	---							
80440	212	5	---							
80441	212	5	---							
80442	212	5	---							
80443	212	5	---							
80444	212	5	---							
80445	212	5	---							
80446	212	5	---							
80447	212	5	---							
80448	212	5	---							
80449	212	5	---							
80450	212	5	---							
80451	212	5	---							
80452	212	5	---							
80453	212	5	---							
80454	212	5	---							
80455	212	5	---							
80456	212	5	---							
80457	212	5	---							
80458	212	5	---							
80459	212	5	---							
										149.

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Exp. No. 1005

Tot. Pgs. 1
Date 1-MAR-89
Invoice # 1-8911824
P.O. #

CERTIFICATE OF ANALYSIS A8911824

SAMPLE DESCRIPTION	PREP CODE	Au ppb FATAA	Cu ppm							
80460	212	VVVVV	S							
80461	212	---	---							
80462	212	---	---							
80463	212	---	---							
80464	212	---	---							
80465	212	VV	S							
80466	212	---	---							

150.

CERTIFICATION :

David Buchler



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Project: SOUTH DETNOR

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Tot. Pgs. 1

Date 1-MAR-89

Invoice # 1-8911975

P.O. #

CERTIFICATE OF ANALYSIS A8911975

SAMPLE DESCRIPTION	PREP CODE	As ppb FATAA							
80467	212	10							
80468	212	20							
80469	212	<							
80470	212	25							
80471	212	10							
80472	212	30							
80473	212	20							
80474	212	15							
80475	212	15							
80476	212	15							
80477	212	10							
80478	212	10							
80479	212	20							
80480	212	10							
80481	212	35							
80482	212	15							
80483	212	20							
80484	212	5							
80485	212	5							
80486	212	20							
80487	212	V							
80488	212	25							
80489	212	5							
80490	212	10							
80491	212	10							
80492	212	30							
80493	212	20							
80494	212	10							
80495	212	15							
80496	212	V							
80497	212	V							
80498	212	V							
80499	212	V							
80500	212	V							
80501	212	V							
80502	212	V							
80503	212	V							
80504	212	V							
80505	212	V							
80506	212	10							

151.

CERTIFICATION: *Paul Nickolls*



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Project: SMITH INTAIR

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Page No. 1
Tot. Pages 1
Date 1-MAR-89
Invoice # 1-8911975
P.O. #

CERTIFICATE OF ANALYSIS A8911975

SAMPLE DESCRIPTION	PREP CODE	AS PP6 FA+AA								
80507	212	VVVVV								
80508	212	VVVVV								
80509	212	VVVVV								
80510	212	VVVVV								
80511	212	VVVVV								
80512	212	VVVVV								
80513	212	VVVVV								
80514	212	VVVVV								
80515	212	VVVVV								
80516	212	VVVVV								
80517	212	VVVVV								
80518	212	VVVVV								
80519	212	VVVVV								
80520	212	VVVVV								
80521	212	VVVVV								
80522	212	VVVVV								
80523	212	VVVVV								
80524	212	VVVVV								
80525	212	VVVVV								
80526	212	VVVVV								
80527	212	VVVVV								
80528	212	VVVVV								
80529	212	VVVVV								
80530	212	VVVVV								
80531	212	VVVVV								
80532	212	VVVVV								
80533	212	VVVVV								
80534	212	VVVVV								
80535	212	VVVVV								
80536	212	VVVVV								
80537	212	VVVVV								
80538	212	VVVVV								
80539	212	VVVVV								
80540	212	VVVVV								
80541	212	VVVVV								
80542	212	VVVV								
80543	212	VVVV								
80544	212	VVVV								
80545	212	VVVV								
80546	212	VVVV								

CERTIFICATION :

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1 RE LBS

1400 - 25 ADELAIDE ST. EAST
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M5C 1Y2

Project: SMITH DITCH

Comments: ATTN: R. H. McMILLAN CC: PAUL NICHERLER

No. 1

Date

Invoice #

P.O. #

1-MAR-89

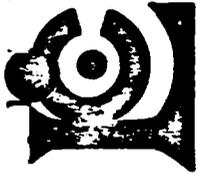
1-8911975

CERTIFICATE OF ANALYSIS A8911975

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA								
80547	---	---								
80548	---	---								
80549	---	---								
										153.

CERTIFIED TRUE

Paul Nicheler



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TORONTO, ON
M5C 1Y2

Project: SOUTH DETOUR
Comments: ATTN: R. H. McMILLAN CC: PAUL NICHOLLS

Inv. No.

Tot. Pgs.

Date

Invoice #

P.O. #

6-MAR-89
1-8911976

CERTIFICATE OF ANALYSIS A8911976

SAMPLE DESCRIPTION	PREP CODE	AM PPb PATAA																		
80550	212	VVVVV																		
80551	212	VVVVV																		
80552	212	VVVVV																		
80553	212	VVVVV																		
80554	212	VVVVV																		
80555	212	VVVVV																		
80556	212	VVVVV																		
80557	212	VVVVV																		
80558	212	VVVVV																		
80559	212	VVVVV																		
80560	212	VVVVV																		
80561	212	VVVVV																		
80562	212	VVVVV																		
80563	212	VVVVV																		
80564	212	VVVVV																		
80565	212	VVVVV																		
80566	212	VVVVV																		
80567	212	VVVVV																		
80568	212	VVVVV																		
80569	212	VVVVV																		
80570	212	VVVVV																		
80571	212	VVVVV																		
80572	212	VVVVV																		
80573	212	VVVVV																		
80574	212	VVVVV																		
80575	212	VVVVV																		
80576	212	VVVVV																		
80577	212	VVVVV																		
80578	212	VVVVV																		
80579	212	VVVVV																		
80580	212	VVVVV																		
80581	212	VVVVV																		
80582	212	VVVVV																		
80583	212	VVVVV																		
80584	212	VVVVV																		
80585	212	VVVVV																		
80586	212	VVVVV																		
80587	212	VVVVV																		
80588	212	VVVVV																		
80589	212	VVVVV																		

CERTIFICATION:

Paul Nicholls



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Page No. 0
Tot. Pgs. 0

Date: 6-MAR-89
Invoice #: 1-9911976
P.O. #

CERTIFICATE OF ANALYSIS A8911976

SAMPLE DESCRIPTION	PREP CODE	Air ppb Pb+AA								
80630	212	---	---							
80631	212	---	---							
80632	212	---	---							
80633	212	---	---							
80634	212	---	---							
80635	212	---	---							
80636	212	---	---							
										156.

CERTIFICATION :

Paul Nickolls



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Project: SOUTH DETOUR
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Page No. 1
Tot. Pages: 3
Date: 6-MAR-89
Invoice # : I-8911977
P.O. # :

CERTIFICATE OF ANALYSIS A8911977

SAMPLE DESCRIPTION	PREP CODE	As ppb FA+AA																		
80637	212	VVVVV	S																	
80638	212	VVVVV	S																	
80639	212	VVVVV	S																	
80640	212	VVVVV	S																	
80641	212	VVVVV	S																	
80642	212	VV	S																	
80643	212	VV	S																	
80644	212	VV	S																	
80645	212	VV	S																	
80646	212	VV	S																	
80647	212	VVVVV	S																	
80648	212	VVVVV	S																	
80649	212	VVVVV	S																	
80650	212	VVVVV	S																	
80651	212	VVVVV	S																	
80652	212	VVVVV	S																	
80653	212	VVVVV	S																	
80654	212	VVVVV	S																	
80655	212	VVVVV	S																	
80656	212	VVVVV	S																	
80657	212	VV	S																	
80658	212	VV	S																	
80659	212	VV	S																	
80660	212	VV	S																	
80661	212	VV	S																	
80662	212	VVVV	S																	
80663	212	VVVV	S																	
80664	212	VVVV	S																	
80665	212	VVVV	S																	
80666	212	VVVV	S																	
80667	212	VVVV	S																	
80668	212	VVVV	S																	
80669	212	VVVV	S																	
80670	212	VVVV	S																	
80671	212	VVVV	S																	
80672	212	VVV	S																	
80673	212	VVV	S																	
80674	212	VVV	S																	
80675	212	VVV	S																	
80676	212	VVV	S																	

157.

CERTIFICATION :

Paul Vau



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Project : SOUTH DETOUR

Comments: ATTHIR. H. McMILLAN CC: PAUL NICHOLLS

Page No. 12

Tot. Pages 3

Date : 6-MAR-89

Invoice # : I-8911977

P.O. #

CERTIFICATE OF ANALYSIS A8911977

SAMPLE DESCRIPTION	PREP CODE	As ppb FATAA										
80677	212	VVVVV										
80678	212	VVVVV										
80679	212	VVVVV										
80680	212	VVVVV										
80681	212	VVVVV										
80682	212	VVVVV										
80683	212	VVVVV										
80684	212	VVVVV										
80685	212	VVVVV										
80686	212	VVVVV										
80687	212	VVVVV										
80688	212	VVVVV										
80689	212	VVVVV										
80690	212	VVVVV										
80691	212	VVVVV										
80692	212	VVVVV										
80693	212	VVVVV										
80694	212	VVVVV										
80695	212	VVVVV										
80696	212	VVVVV										
80697	212	VVVVV										
80698	212	VVVVV										
80699	212	VVVVV										
80700	212	VVVVV										
80701	212	VVVVV										
80702	212	VVVVV										
80703	212	VVVVV										
80704	212	VVVVV										
80705	212	VVVVV										
80706	212	VVVVV										
80707	212	VVVVV										
80708	212	VVVVV										
80709	212	VVVVV										
80710	212	VVVVV										
80711	212	VVVVV										
80712	212	VVVVV										
80713	212	VVVVV										
80714	212	VVVVV										
80715	212	VVVVV										
80716	212	VVVVV										

CERTIFICATION : *Paul Nicholls*

158.



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RESOURCES

1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project : SOUTH DETOUR
Comments: ATTN: R. H. McMILLAN CC: PAUL NICHOLLS

INC
Tot. Paid :
Date : 6-MAR-89
Invoice # : I-5911977
P.O. # :

CERTIFICATE OF ANALYSIS A8911977

SAMPLE DESCRIPTION	PREP CODE	AV PPB FATAA								
80717 80718	212 212	-- --	< <							159.

CERTIFICATION :

Paul V. ...



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M5C 1Y2

INVOICE NUMBER 18912256 *

BILLING INFORMATION

Date : 12-MAR-89
Project : SOUTH DETOUR
P.O. # :
Account : DED

Comments :

Billing : For analysis performed on
Certificate A8912256

Terms : Net payment in 30 Days
1.5% per month (18% per annum)
charged on overdue accounts.

Please remit payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J-2C1

We are pleased to announce that
CHEMEX now accepts payment by
** VISA **

CHEMEX CODE	ANALYSIS DESCRIPTION	SAMPLES ANALYZED	UNIT PRICE	AMOUNT
100 -	Au ppb FATAA	80	7.25	580.00
Sample preparation and other charges :				
212 -	Geochem - PULVERIZE	80	5.00	400.00
Total Cost \$				980.00
TOTAL PAYABLE \$				980.00

(Handwritten signature)



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Project: SMITH DETOUR
Comments: ATTN: R H McMILLAN CC: PAUL NICHOLLS

Page No
Tot. Pages
Date 12-MAR-89
Invoice # 1-8912256
P.O. #

CERTIFICATE OF ANALYSIS A8912256

SAMPLE DESCRIPTION	PREP CODE	Au ppb Pb-TAA								
80719	212	VV								
80720	212	8555								
80721	212	VV								
80722	212	VV								
80723	212	V								
80724	212	10								
80725	212	655								
80726	212	255								
80727	212	25								
80728	212									
80729	212	30								
80730	212	25555								
80731	212	VVV								
80732	212	VVVVV								
80733	212	VVVVV								
80734	212	VVVVV								
80735	212	VVVVV								
80736	212	VVVVV								
80737	212	VVVVV								
80738	212	VVVVV								
80739	212	VVVVV								
80740	212	VVVVV								
80741	212	VVVVV								
80742	212	VVVVV								
80743	212	VVVVV								
80744	212	1100								
80745	212	65555								
80746	212	VVV								
80747	212	VVVVV								
80748	212	VVVVV								
80749	212	VVVVV								
80750	212	VVVVV								
80751	212	VVVVV								
80752	212	VVVVV								
80753	212	VVVVV								
80754	212	VVVVV								
80755	212	VVVVV								
80756	212	VVVVV								
80757	212	VVVVV								
80758	212	VVVVV								

161.

CERTIFICATION: *Paul Nicholls*



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Project: SOUTH DETOIR

Comments: ATTN: R. H. McMILLAN CC: PAUL NICHOLLS

Page No

Tot. Pages

Date

Invoice # : 1-8912256

P.O. #

CERTIFICATE OF ANALYSIS A8912256

162.

SAMPLE DESCRIPTION	PREP CODE	Au ppb FATAA								
80759	212	25								
80760	212	25								
80761	212	20								
80762	212	< 15								
80763	212	< 15								
80764	212	15								
80765	212	10								
80766	212	10								
80767	212	15								
80768	212	5								
80769	212	V								
80770	212	VVVVV								
80771	212	V								
80772	212	VVVVV								
80773	212	V								
80774	212	VVVVV								
80775	212	VVVV								
80776	212	VVV								
80777	212	V								
80778	212	15								
80779	212	VVV								
80780	212	V								
80781	212	30								
80782	212	V								
80783	212	V								
80784	212	VVVVV								
80785	212	VVVVV								
80786	212	VVVVV								
80787	212	VVVVV								
80788	212	VVVVV								
80789	212	VVVVV								
80790	212	VVVVV								
80791	212	VVVVV								
80792	212	VVVVV								
80793	212	VVVVV								
80794	212	VVVVV								
80795	212	VVVVV								
80796	212	VVVVV								
80797	212	VVVVV								
80798	212	VVVVV								

CERTIFICATION :

Paul Vahl



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Project: SOUTH DETOUR
Comments: ATTN: R. H. McMILLAN CC: PAUL NICHOLLS

Page N

Tot. Pages 2

Date 17-MAR-89

Invoice # 1-8912257

P.O. #

163.

CERTIFICATE OF ANALYSIS A8912257

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA-AA								
80799	212	---								
80800	212	---								
80801	212	---								
80802	212	---								
80803	212	---								
80804	212	---								
80805	212	---								
80806	212	---								
80807	212	---								
80808	212	---								
80809	212	---								
80810	212	---								
80811	212	---								
80812	212	---								
80813	212	---								
80814	212	---								
80815	212	---								
80816	212	---								
80817	212	---								
80818	212	---								
80819	212	---								
80820	212	---								
80821	212	---								
80822	212	---								
80823	212	---								
80824	212	---								
80825	212	---								
80826	212	---								
80827	212	---								
80828	212	---								
80829	212	---								
80830	212	---								
80831	212	---								
80832	212	---								
80833	212	---								
80834	212	---								
80835	212	---								
80836	212	---								
80837	212	---								
80838	212	---								

CERTIFICATION :

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Project : SOUTH DETOUR
Comments: ATTN: R. H. McMILLAN CC: PAUL NICHOLLS

Page No. 2
Tot. Pages 2
Date : 12-MAR-89
Invoice # : 1-8912257
P.O. # :

CERTIFICATE OF ANALYSIS A8912257

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA										
80839	212	25										
80840	212	145										
80841	212	25										
80842	212	< 5										
80843	212	35										
80844	212	80										
80845	212	145										
80846	212	VVV										
80847	212	VVV										
80848	212	VVV										
80849	212	VVVV										
80850	212	VVVV										
80851	212	VVVV										
80852	212	VVVV										
80853	212	VVVV										
80854	212	VVV										
80855	212	VVV										
80856	212	VVV										
80857	212	VVV										
80858	212	VVV										
80859	212	VVV										
80860	212	VVV										
80861	212	VVV										
80862	212	VVV										
80863	212	VVV										
80864	212	VVV										
80865	212	VVV										
80866	212	VVV										
80867	212	VVV										
80868	212	VVV										
80869	212	VVV										
80870	212	VVV										
80871	212	VVV										
80872	212	VVV										
80873	212	VVV										
80874	212	VVV										
80875	212	VVV										
80876	212	VVV										
80877	212	VVV										
80878	212	VVV										

CERTIFICATION :

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Project : SOUTH DETOUR
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Page 1 of 1

Tot. Invo. 3

Date 12-MAR-89

Invoice # 1-8912258

P.O. #

CERTIFICATE OF ANALYSIS A8912258

165.

SAMPLE DESCRIPTION	PREP CODE	AU PPB PA-TAA																		
80879	212	VVVVV																		
80880	212	VVVVV																		
80881	212	VVVVV																		
80883	212	VVVVV																		
80884	212	VVVVV																		
80885	212	VVVVV																		
80886	212	VVVVV																		
80887	212	VVVVV																		
80888	212	VVVVV																		
80889	212	VVVVV																		
80890	212	VVVVV																		
80891	212	VVVVV																		
80892	212	VVVVV																		
80893	212	VVVVV																		
80894	212	VVVVV																		
80895	212	VVVVV																		
80896	212	VVVVV																		
80897	212	VVVVV																		
80898	212	VVVVV																		
80899	212	VVVVV																		
80900	212	VVVVV																		
80901	212	VVVVV																		
80902	212	VVVVV																		
80903	212	VVVVV																		
80904	212	VVVVV																		
80905	212	VVVVV																		
80906	212	VVVVV																		
80907	212	VVVVV																		
80908	212	VVVVV																		
80909	212	VVVVV																		
80910	212	VVVVV																		
80911	212	VVVVV																		
80912	212	VVVVV																		
80913	212	VVVVV																		
80914	212	VVVVV																		
80915	212	VVVVV																		
80916	212	VVVVV																		
80917	212	VVVVV																		
80918	212	VVVVV																		

CERTIFICATION : *Paul Nicholls*



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Project: SOUTH DETOIR
Comments: ATTN: R. H. McMILLAN CC: PAUL NICHOLLS

Page: 3
Tot. Pages: 3
Date: 12-MAR-89
Invoice #: 1-8912258
P.O. #

CERTIFICATE OF ANALYSIS A8912258

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA-TAA																		
80919	212	VVVVV	5																	
80920	212	VVVVV	5																	
80921	212	VVVVV	5																	
80922	212	VVVVV	5																	
80923	212	VVVVV	5																	
80924	212	V	5																	
80925	212		20																	
80926	212		20																	
80927	212		40																	
80928	212		40																	
80929	212		30																	
80930	212		35																	
80931	212		30																	
80932	212		20																	
80933	212	V	5																	
80934	212	VVVVV	5																	
80935	212	VVVVV	5																	
80936	212	VVVVV	5																	
80937	212	VVVVV	5																	
80938	212	VVVVV	5																	
80939	212	VVVVV	5																	
80940	212	VVVVV	5																	
80941	212	VVVVV	5																	
80942	212	VVVVV	5																	
80943	212	VVVVV	5																	
80944	212	VVVVV	5																	
80945	212	VVVVV	5																	
80946	212	VVVVV	5																	
80947	212	VVVVV	5																	
80948	212	VVVVV	5																	
80949	212	VVVVV	5																	
80950	212	VVVVV	5																	
80951	212	VVVVV	5																	
80952	212	VVVVV	5																	
80953	212	VVVVV	5																	
80954	212	V	5																	
80955	212	V	5																	
80956	212	V	5																	
80957	212	V	5																	
80958	212	V	105																	

CERTIFICATION :

Paul Nicholls



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Project : SOUTH DETOUR
Comments: ATTN: R.H.McMILLIAN CC: PAUL NICHOLLS

Page 1 of 3
Tot. Pages: 3
Date : 12-MAR-89
Invoice # : I-8912258
P.O. # :

CERTIFICATE OF ANALYSIS A8912258

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA-TAA								
80959 80960	212 212	< 5 < 5								

CERTIFICATION :

Paul Nicholls



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Project: SOUTH DETOUR

Contacts: ATTN: R. H. McMILLAN CC: PAUL NICHOLLS

Page N

To: Page

Date

Invoice #

P.O. #

12-MAR-89

A8912557

CERTIFICATE OF ANALYSIS A8912557

SAMPLE DESCRIPTION	PREP CODE	Air ppb FATAA								
80961	--	< 5								
80962	--	25								
80963	--	15								
80964	--	< 5								

168.

CERTIFICATION :

Frank Vink



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Project: SOUTH DETOUR

Comments: ATTN: R. H. McMILLAN CC: PAUL NICHOLLS

To: P.O. #
Date: 12-FEB-89
Invoice #: 1-8911265
P.O. #

CERTIFICATE OF ANALYSIS A8911265

SAMPLE DESCRIPTION	PREP CODE	Au ppb FATAA										
D89-23-59-68	214	V										
D89-23-68-77	214	V										
D89-23-77-86	214	V										
D89-23-86-95	214	V										
D89-23-95-104	214	V										
H89-24-66-74	214	< 10										
H89-24-74-83	214	V										
H89-24-83-92	214	V										
H89-24-92-101	214	V										
H89-24-104-113	214	V										
H89-24-113-122	214	V										
H89-24-122-131	214	V										
H89-24-131-140	214	V										

170.

CERTIFICATION: *Paul Nicholls*



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Project: SOUTH DETOIR

Comments: ATTN: R. H. McMILLAN CS; PAUL NICHOLLS

Case No. 100
 Tot. Pages 2
 Date 13-FEB-80
 Invoice # A8911264
 P.O. #

CERTIFICATE OF ANALYSIS A8911264

SAMPLE DESCRIPTION	PREP CODE	Au ppb F/AMA									
D89-28-16-23	214	15									
D89-28-26-35	214	50									
D89-28-35-44	214	< 20									
D89-28-44-53	214	40									
D89-28-53-65	214										
D89-28-65-74	214	35									
D89-28-74-83	214	30									
D89-28-83-92	214	< 25									
D89-28-92-101	214	< 25									
D89-31-2-11	214										
D89-33-34-44	214	VVVVVV									
D89-33-44-56	214										
D89-33-56-65	214										
D89-33-65-74	214										
D89-33-74-83	214										
D89-33-83-92	214	15									
D89-33-92-101	214										
D89-33-101-106	214	VVVV									
D89-34-8-17	214										
D89-34-17-26	214										
D89-34-26-35	214	10									
D89-34-35-44	214										
D89-34-44-53	214	VVVV									
D89-34-53-62	214										
D89-34-62-71	214										
D89-34-71-80	214	VVVVVV									
D89-34-80-89	214										
D89-34-89-98	214										
D89-34-101-107	214	VVVVVV									
D89-34-110-116	214										
D89-34-119-128	214	VVV									
D89-34-128-137	214	V									
D89-34-137-149	214										
D89-36-8-17	214	VVVVVV									
D89-36-17-26	214										
D89-36-26-35	214	VVVVVV									
D89-36-35-44	214										
D89-36-44-53	214										
D89-36-53-62	214										
D89-36-62-71	214										

CERTIFICATION :

Frank Voth

171.



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Project: KNITH DUTOR

Comment: ATTN: R. H. McMillan CC: PAUL NICKHOLE

Page No. 1

Total Pages 1

Date

23-FEB-89

Invoice # 1-8911744

P.O. #

CERTIFICATE OF ANALYSIS A8911744

SAMPLE DESCRIPTION	PREP CODE	Au ppb FAF-A								
D89-35-27-36	214	<	10							
D89-35-36-45	214	<	5							
D89-35-45-54	214	<	5							
D89-35-54-63	214	<	5							
D89-35-63-72	214	<	5							
D89-35-72-81	214	<	5							
D89-35-81-90	214	<	5							
D89-35-90-96	214	<	5							
D89-41-30-38	214	<	5							
D89-41-38-47	214	<	5							
D89-41-47-56	214	<	5							
D89-41-56-65	214	<	5							
D89-41-65-74	214	<	5							
D89-41-74-83	214	<	5							
D89-41-83-92	214	<	5							
D89-41-92-101	214	<	55							
D89-41-101-107	214	<	50							

172.

CERTIFICATION:

Stan B. Schuler



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1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
MSC 1Y2

Project : SOUTH DAKOTA
Comments : ATTN: R. H. McMILLAN CC: PAUL NICHOLLS

Total P.O.
Date : 13-FEB-89
Invoice # : 1-8911264
P.O. #

CERTIFICATE OF ANALYSIS A8911264

SAMPLE DESCRIPTION	PREP CODE	AS PPB FATAA									
D89-36-71-80	214	V V V									
D89-36-80-89	214	V V V									
D89-36-89-98	214	V V V									
D89-36-98-107	214	V									
D89-36-107-116	214	V V									
D89-36-116-125	214	V V V									
D89-36-125-134	214	V V V									
D89-36-134-143	214	V									
D89-38-17-26	214	V									
D89-38-26-35	214	V									
D89-38-35-44	214	V									
D89-38-44-53	214	V V									
D89-38-53-62	214	V V									
D89-38-62-71	214	V V									
D89-38-71-80	214	V V									
D89-38-80-89	214	V V V V V									
D89-38-89-98	214	V V V V V									
D89-38-98-107	214	V V V V V									
D89-38-107-116	214	V V V V V									
D89-38-116-125	214	V V V V V									
89-38-125-134	214	V V									
89-38-134-140	214	V V									

CERTIFICATION :

Paul Nicholls

173.



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TORONTO, ON
M5C 1Y2

Project : SOUTH DETOUR
Comments: ATTN: R. H. McMILLAN CC: PAUL NICHOLLS

Invoice No. 1
Tot. Paid 1
Date 7-MAR-89
Invoice # 8912244
P.O. # 1

CERTIFICATE OF ANALYSIS A8912244

SAMPLE DESCRIPTION	PREP CODE	Am ppb FAHA								
89-50 75-78	214	100								
89-50 78-81	214	60								
89-50 81-84	214	120								
89-50 84-87	214	75								
89-50 87-90	214	40								
89-50 90-93	214	65								
89-50 93-96	214	110								
89-50 96-99	214	80								
89-50 99-102	214	45								
89-50 102-105	214	65								
89-50 105-108	214	65								
89-50 108-111	214	60								
89-50 111-114	214	70								
89-50 114-117	214	not / as								
H89-51A 83-86	214									
H89-51A 86-89	214	10								
H89-51A 89-92	214	5								
H89-51A 92-95	214	5								
H89-51A 95-98	214	5								
H89-51A 98-101	214	5								
H89-51A 101-104	214	5								
H89-51A 104-107	214	10								
H89-51A 107-110	214	10								
H89-51A 110-113	214	5								
										175.

CERTIFICATION :

Paul Nicholls



Chemex Labs Ltd.

Analytical Chemists & Geochemists - Registered Assayers
410 MATHEWSON BLVD. E. UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

WBS RE CBS

1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project: SOUTH DETNAR
Comments: ATTN: R H McMILLAN CC: PAUL NICHOLLS

To: P
Date: 15-FEB-89
Invoice #: I-8911339
P.O. #: NONE

CERTIFICATE OF ANALYSIS A8911339

SAMPLE DESCRIPTION	PREP CODE	Au		Ag		As		Ba		Be		Bi		Ca		Cd		Co		Cr		Cu		Fe		Ga		Hg		K		La		Mg		Mn	
		g/tonne	%	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	
79197 REJECT	247 238	< 0.07	1.21	< 0.2	15	50	0.5	< 2	1.21	< 0.5	12	23	1	2.24	10	< 1	0.12	10	< 1	0.13	10	< 1	0.29	10	< 1	0.81	338										
79198 REJECT	247 238	< 0.07	1.10	0.2	5	50	< 0.5	< 2	1.34	< 0.5	12	15	3	2.28	10	< 1	0.13	10	< 1	0.13	10	< 1	0.29	10	< 1	0.68	450										
73359 REJECT	247 238	0.14	1.03	< 0.2	< 5	100	< 0.5	< 2	2.24	< 0.5	12	13	< 1	2.01	10	< 1	0.29	10	< 1	0.29	10	< 1	0.29	10	< 1	0.94	342										

177.

ALL ASSAY DETERMINATIONS ARE PERFORMED OR SUPERVISED BY B.C. CERTIFIED ASSAYERS

CERTIFICATION:

B. Coughlin



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
416 MATHESON BLVD. R. UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 690-0310

WES. IRE.

1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project: SMITH OUKOIR
Comments: ATTN: R. H. McMILLAN CC: PAUL NICHOLLS

Invoice #
Date
P.O. #
-FEB-89
A8911339
JUNE

CERTIFICATE OF ANALYSIS A8911339

SAMPLE DESCRIPTION	PREP CODE	ANALYSIS RESULTS													
		Mg ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sr ppm	Tl %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
79197 REJECT	247 238	< 1	0.06	17	660	2	5	1	40	< 0.01	< 10	< 10	11	< 5	47
79198 REJECT	247 238	< 1	0.06	17	690	6	< 5	1	38	< 0.01	< 10	< 10	11	< 5	41
73359 REJECT	247 238	< 1	0.11	16	600	< 2	5	1	61	< 0.01	< 10	< 10	13	< 5	47

178.

ALL ASSAY DETERMINATIONS ARE PERFORMED OR SUPERVISED BY B.C. CERTIFIED ASSAYERS

CERTIFICATION :

P. Capli



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
450 MATHERSON BLVD., B. UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 690-0310

WBS 1 RE CES 1

1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project: SOUTH DETOUR
Comments: ATTN: R H McMILLAN CC: PAUL NICHOLLS

To: P.O. #
Date: 15-FEB-89
Invoice # : 1-8911563
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8911563

SAMPLE DESCRIPTION	PREP CODE	AN S/TORRE								
79393	214 --	48.40								179.

ALL ASSAY DETERMINATIONS ARE PERFORMED OR SUPERVISED BY B.C. CERTIFIED ASSAYERS

CERTIFICATION :

H. S. S. S.



Chemex Labs Ltd.

Analytical Chemists & Geochemists • Registered Assayers
450 MATTHEWSON BLVD. E. UNIT 34, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 598-0110

TRUSTMIR RESOURCES LTD.

1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project: SOUTH DETOUR
Chemist: ATTN: R. H. McMILLAN CC: PAUL NICHOLLS

Page No. 1-A
Tot. Pgs. 1
Date 12-MAR-89
Invoice # 117562
P.O. # 117562

CERTIFICATE OF ANALYSIS A8911562

SAMPLE DESCRIPTION	PREP CODES	As %/tonne	Al %	Ag ppm	Au ppm	Ba ppm	Be ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Pb %	Ca ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
79393 REJECT	247 238	< 0.07	3.99	0.2	180	< 10	< 0.5	< 2	7.07	< 0.5	190	73	8.07	< 10	< 1	< 0.01	< 10	3.18	1753
79394 REJECT	247 238	< 0.07	1.33	< 0.2	25	< 10	< 0.5	< 2	> 15.00	< 0.5	65	63	3.82	< 10	< 1	< 0.01	< 10	1.22	2320
79395 REJECT	247 238	< 0.07	3.31	< 0.2	15	< 10	< 0.5	< 2	5.38	< 0.5	159	83	7.00	< 10	2	< 0.01	< 10	2.87	1340
79396 REJECT	247 238	< 0.07	4.33	< 0.2	5	< 10	< 0.5	< 2	7.92	< 0.5	180	87	8.45	< 10	< 1	< 0.01	< 10	2.83	1575
79397 REJECT	247 238	< 0.07	3.99	< 0.2	5	10	< 0.5	< 2	7.45	< 0.5	177	87	7.74	< 10	< 1	0.02	< 10	2.51	1425
79522 REJECT	247 238	< 0.07	0.82	< 0.2	10	80	< 0.5	< 2	2.50	< 0.5	13	< 1	2.06	< 10	< 1	0.19	< 10	1.02	347

ALL ASSAY DETERMINATIONS ARE PERFORMED OR SUPERVISED BY BC CERTIFIED ASSAYERS

CERTIFICATION:

P. C. G. S.



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
450 MATTHEWSON BLVD. E. UNIT 14, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

WESTMIN RESOURCES LTD.

1400 - 25 ADELAIDE ST. EAST
TORONTO, ON
M5C 1Y2

Project : SOUTH DETOUR

Comments: ATTN: R. H. McMILIAN CC: PAUL NICHOLLS

Page No 1-8

Tot. Pa. 12-MAR-89

Date 1-9911562

Invoice # 1-9911562

P.O. # :NONP

CERTIFICATE OF ANALYSIS A8911562

SAMPLE DESCRIPTION	PREP CODE	Mb ppm	Nb %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sr ppm	Tl %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
79393 SUBJECT	247 238	< 1	0.02	78	190	< 2	10	12	41	0.23	< 10	< 10	175	< 5	96
79394 SUBJECT	247 238	< 1	0.01	39	140	2	5	4	68	0.12	< 10	< 10	73	< 5	39
79395 SUBJECT	247 238	< 1	0.02	90	220	< 2	5	8	44	0.36	< 10	< 10	157	< 5	93
79396 SUBJECT	247 238	< 1	0.02	88	220	4	10	16	51	0.10	< 10	< 10	222	< 5	102
79397 SUBJECT	247 238	< 1	0.03	86	210	< 2	5	10	46	0.11	< 10	< 10	208	< 5	93
79322 SUBJECT	247 238	< 1	0.08	14	580	6	< 5	1	60	< 0.01	< 10	< 10	10	< 5	33

ALL ASSAY DETERMINATIONS ARE PERFORMED ON SUPERVISED BY BC CERTIFIED ASSAYERS

CERTIFICATION :

B. C. Gray



- Do not use shaded areas below.

Type of Survey(s) Diamond Drilling Geochemical Assays, Analyses	Township or Area Lower Detour Lake Area
Claim Holder(s) Westmin Exploration Ltd.	Prospector's Licence No. T 4638
Address 25 Adelaide Street East, Suite 1400, Toronto, Ontario M5C 1Y2	
Survey Company Chemex Lab. Ltd.	Date of Survey (from & to) 1 03 89 23 03 89 Day Mo. Yr. Day Mo. Yr.
Name and Address of Author (of Geo-Technical report) P.R.J. Nicholls, 25 Adelaide St. E, #1400, Toronto, Ontario M5C 1Y2	

Credits Requested per Each Claim in Columns at right

Special Provisions For first survey: Enter 40 days. (This includes line cutting) For each additional survey: using the same grid: Enter 20 days (for each)	Geophysical - Electromagnetic - Magnetometer - Radiometric - Other	Days per Claim 15
	Geological Geochemical	
Men Days Complete reverse side and enter total(s) here	Geophysical - Electromagnetic - Magnetometer - Radiometric - Other	Days per Claim
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic Magnetometer Radiometric	Days per Claim

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
OFFICE
MAY - 8 1989
RECEIVED

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
P.	1090117	126			
	1090118	126			
	1090119	126			
	1090120	126			

RECORDED
APR - 7 1989

RECEIVED
APR 7 1989

Expenditures (excludes power stripping)

Type of Work Performed Diamond Drilling Geochemical Assays, Analyses			
Performed on Claim(s) P. 553324, P. 553332, P. 553477, P. 553506, P. 553513, P. 553526, P. 553531, P. 868264, P. 868266, P. 868272			
Calculation of Expenditure Days Credits			
Total Expenditures \$ 7,563.00	Total Days Credits 15	=	504
Instructions Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.			

*SECTION 77(19) OF THE
MINING ACT MAX. 60 DAYS
PER CLAIM ALLOWED

Total number of mining claims covered by this report of work. **4**

For Office Use Only	
Total Days Cr. Recorded 240	Date Recorded APRIL 7 1989
Date Approved as Recorded	Mining Recorder <i>[Signature]</i>

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 Postal Address of Person Certifying
**P.R.J. Nicholls, 25 Adelaide St. East, Suite 1400
Toronto, Ontario M5C 1Y2**

Date Certified
5 April 1989

Certified by (Signature)
[Signature]

Ministry of
NaturalReport
of WorkAmendment Attached
St.

The Mining Act

Supply required data on a separate form for each
type of work to be recorded (see table below).
For Geo-technical work use form no. 1362 "Report
of Work (Geological, Geophysical, Geochemical and
Expenditures)".

Name and Postal Address of Recorded Holder Westmin Exploration Ltd.	Prospector's Licence No. T 4638
25 Adelaide Street East, Suite 1400, Toronto, Ontario M5C 1Y2	

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed <i>16,023</i> ^{AS PER ATTACHED.}	Mining Claim			Mining Claim			Mining Claim			
	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.	
for Performance of the following work. (Check one only)	P	Please see								
		the attached								
		list of the								
		Mining Claims								
<input type="checkbox"/> Manual Work										
<input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work.										
<input type="checkbox"/> Compressed Air, other Power driven or mechanical equip.										
<input type="checkbox"/> Power Stripping										
<input checked="" type="checkbox"/> Diamond or other Core drilling										
<input type="checkbox"/> Land Survey										

All the work was performed on Mining Claim(s): Please see the attached "Summary of Diamond Drilling"

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Hole Nos:	D-89-22 to D-89-52
Footage drilled:	16,023 feet
Angle of holes:	-50 and -55
Core size:	BQ
Dates of drilling:	19 January 1989 - 22 February 1989
Operator:	Bradly Brothers Ltd. P.O.Box 2367 Rouyn-Noranda, Quebec J9X 5A9

RECORDED

APR - 7 1989

RECEIVED

APR 7 1989

27.5 pm

Date of Report 5 April 1989	Recorded Holder or Agent (Signature) <i>Kuyojanov</i>
---------------------------------------	--

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 Postal Address of Person Certifying P.R.J. Nicholls	
25 Adelaide St. East, Suite 1400 Toronto, Ontario M5C 1Y2	Date Certified 5 April 1989
Certified by (Signature) <i>Paul R. Nicholls</i>	

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific Information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment		
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.	Names and addresses of owner or operator together with dates when drilling/stripping	

LIST OF MINING CLAIMS

<u>Claims</u>	<u>Work Days Cr.</u>	<u>Claims</u>	<u>Work Days Cr.</u>
1) P. 779415	50	31) P. 868266	130
2) P. 779416	50	32) P. 868267	130
3) P. 779417	50	33) P. 868268	130
4) P. 779418	50	34) P. 868269	130
5) P. 779419	30	35) P. 868270	130
6) P. 779420	30	36) P. 868271	130
7) P. 779421	50	37) P. 868272	130
8) P. 780735	60	38) P. 868273	130
9) P. 780736	50	39) P. 868274	130
10) P. 780737	50	40) P. 868275	130
11) P. 780738	50		
12) P. 780739	70	41) P. 951001	130
13) P. 780740	70	42) P. 951002	130
14) P. 780741	70	43) P. 951003	130
15) P. 780742	70	44) P. 951004	130
16) P. 780743	70	45) P. 951005	130
17) P. 780744	70	46) P. 951006	130
18) P. 780745	70	47) P. 951007	130
19) P. 780746	70	48) P. 951008	130
20) P. 780753	20	49) P. 951009	130
21) P. 780754	70	50) P. 951010	130
22) P. 780755	70	51) P. 951011	130
23) P. 780756	70	52) P. 951012	130
24) P. 837155	110	53) P. 951013	130
25) P. 837156	130	54) P. 951014	130
26) P. 837157	130	55) P. 951015	130
27) P. 837158	130	56) P. 951016	130
28) P. 868263	130	57) P. 951017	130
29) P. 868264	130	58) P. 951018	130
30) P. 868265	130	59) P. 951019	130
		60) P. 951020	130

W 8906. 238

<u>Claims</u>	<u>Work Days Cr.</u>
61) P:951024	130
62) P:951025	130
63) P:951026	130
64) P:951027	130
65) P:951028	130
66) P:951029	130
67) P:951030	130
68) P:951031	130
69) P:951032	130
70) P:951033	130
71) P:951034	130
72) P:951035	130
73) P:951036	130
74) P:951037	130
75) P:951038	130
76) P:951039	130
77) P:951040	130
78) P:951050	130
79) P:956232	120
80) P:956233	120
81) P:1087168	100
82) P:1087169	100
83) P:1087170	100
84) P:1087171	100
85) P:1087172	100
86) P:1087173	100
87) P:1087174	100
88) P:1087175	100
89) P:1087176	100

WB906, 238

<u>Claims</u>	<u>Work Days Cr.</u>
90) P:1088665	200
91) P:1088667	200
92) P:1088668	200
93) P:1088669	200
94) P:1088670	200
95) P:1088671	200
96) P:1088672	200
97) P:1088673	200
98) P:1088674	200
99) P:1088675	200
100) P:1090055	200
101) P:1090056	210 208 <i>hr</i>
102) P:1090057	210 208 <i>hr</i>
103) P:1090058	210 208.19 <i>hr</i>
104) P:1090059	210 209.8 <i>hr per</i>
105) P:1090060	203 <i>tele. conv.</i>
106) P:1090061	200 <i>8 May 3/89</i>
107) P:1090062	200
108) P:1090063	200
109) P:1090064	200
110) P:1090065	200
111) P:1090066	200
112) P:1090067	200
113) P:1090068	200
114) P:1090069	200
115) P:1090070	200
116) P:1090071	200
117) P:1090072	200
118) P:1090073	200
119) P:1090074	200
120) P:1090089	200
121) P:1090090	200
TOTAL DAYS: 107023	
16,017.19	

as per tele of 8/89 B

Ally 0/6 = 19 8L

hr

WORK PERFORMED

SUMMARY OF 1989 DIAMOND DRILLING

SOUTH DETOUR CLAIMS

	Hole No.	Dip	Start Date	Finish Date	Depth		Claim	FEET
					Metre	Feet		
	1) D-89-22	-50	19 Jan. 1989	21 Jan. 1989	200.0	656.20	P.553473	656.16 ✓
	2) D-89-23	-50	21 Jan. 1989	23 Jan. 1989	152.0	498.71	P.553466	498.60 ✓
	3) D-89-24	-50	20 Jan. 1989	21 Jan. 1989	149.0	488.87	P.553344	488.84 ✓
	4) D-89-25	-50	22 Jan. 1989	24 Jan. 1989	203.0	666.04	P.553335	666.00 ✓
	5) D-89-26	-50	23 Jan. 1989	24 Jan. 1989	152.0	498.71	P.553324	498.68 ✓
	6) D-89-27	-50	24 Jan. 1989	25 Jan. 1989	162.0	531.52	P.553304	531.49 ✓
	7) D-89-28	-50	25 Jan. 1989	26 Jan. 1989	160.0	524.96	P.553304	524.93 ✓
	8) D-89-29	-50	24 Jan. 1989	25 Jan. 1989	161.0	528.24	P.553555	528.24 ✓
	9) D-89-30	-50	25 Jan. 1989	26 Jan. 1989	161.0	528.24	P.553555	528.21 ✓
	10) D-89-31	-50	26 Jan. 1989	27 Jan. 1989	155.0	508.56	P.553555	508.52 ✓
	11) D-89-32	-50	27 Jan. 1989	28 Jan. 1989	134.0	439.65	P.553535	439.62 ✓
	12) D-89-33	-50	28 Jan. 1989	29 Jan. 1989	153.0	501.99	P.553429	501.96 ✓
	13) D-89-34	-50	29 Jan. 1989	30 Jan. 1989	149.0	488.87	P.553431	488.83 ✓
	14) D-89-35	-55	30 Jan. 1989	31 Jan. 1989	96.0	314.98	P.553400	314.96 ✓
	15) D-89-36	-50	29 Jan. 1989	30 Jan. 1989	144.0	472.46	P.553393	472.44 ✓
	16) D-89-37	-50	01 Feb. 1989	09 Feb. 1989	142.0	465.90	P.553369	465.87 ✓
	17) D-89-38	-50	30 Jan. 1989	01 Feb. 1989	147.5	483.95	P.553368	483.91 ✓
	18) D-89-39	-50	10 Feb. 1989	12 Feb. 1989	164.0	538.08	P.553388	538.05 ✓
	19) D-89-40	-50	02 Feb. 1989	10 Feb. 1989	137.0 ^{13.0}	449.50 ^{13.0 - AS PER LOGS}	P.549920	446.19 ✓
	20) D-89-41	-50	10 Feb. 1989	11 Feb. 1989	146.0	479.03	P.553444	479.00 ✓
	21) D-89-42	-50	12 Feb. 1989	13 Feb. 1989	149.0	488.87	P.553505	488.84 ✓
	22) D-89-43	-50	13 Feb. 1989	15 Feb. 1989	164.0	538.08	P.553506	538.05 ✓
	23) D-89-44	-50	15 Feb. 1989	16 Feb. 1989	134.0	439.65	P.553513	439.62 ✓
	24) D-89-45	-50	12 Feb. 1989	13 Feb. 1989	137.0	449.50	P.553526	449.47 ✓
	25) D-89-46	-50	15 Feb. 1989	16 Feb. 1989	143.0	469.18	P.553531	469.15 ✓
	26) D-89-47	-50	13 Feb. 1989	15 Feb. 1989	140.0	459.34	P.553547	459.31 ✓
	27) D-89-48	-50	16 Feb. 1989	18 Feb. 1989	160.0	524.96	P.553332	524.93 ✓
	28) D-89-49	-50	16 Feb. 1989	18 Feb. 1989	176.0 ^{12.0 - AS PER LOGS}	580.74 ^{AS PER LOGS}	P.553477	577.42 ✓
	29) D-89-50	-50	18 Feb. 1989	19 Feb. 1989	119.0	390.44	P.868264	390.42 ✓
	30) D-89-50A	-50	19 Feb. 1989	21 Feb. 1989	169.8 ^{16.3 - AS PER LOGS}	554.49 ^{AS PER LOGS}	P.868264	555.44 ✓
	31) D-89-51A	-55	19 Feb. 1989	21 Feb. 1989	173.0	567.61	P.868266	567.58 ✓
	32) D-89-52	-50	21 Feb. 1989	22 Feb. 1989	151.0	495.43	P.868273	495.40 ✓

W8906, 238



Total:

4,881.8 = 16,016.269
4,883.50 = 16,022.75

16,023 days

16,016.19 ✓

M into Feet = X 3.2808

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION
 M.F.O. - MINING RIGHTS ONLY
 S.F.O. - SURFACE RIGHTS ONLY
 M.S. - MINING AND SURFACE RIGHTS

Order No. 21/17/98 S.F.O.
 Date 18/11/98
 5 P.O. 186/11

LEGEND

HIGHWAY AND ROUTE NO.
 TRAILS
 SURVEYED LINES
 TOWNSHIP BASE LINES ETC.
 UNCLASSED LOTS
 LOT LINES
 PARCEL BOUNDARY
 RAILWAY AND RIGHT OF WAY
 UTILITY LINES
 NON-PERMANENT STREAM
 FLOODING OR FLOODING RIGHTS
 SUBDIVISION OF COMPOSITE PLAN
 ORIGINAL SHORELINE
 MARSH OR MUSKOG
 MINES
 TRAILER MONUMENT

DISTRIBUTION OF CROWN LANDS

TYPE OF DOCUMENT SYMBOL

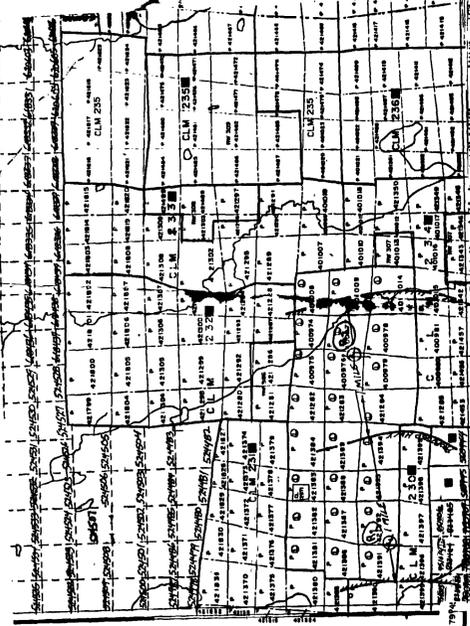
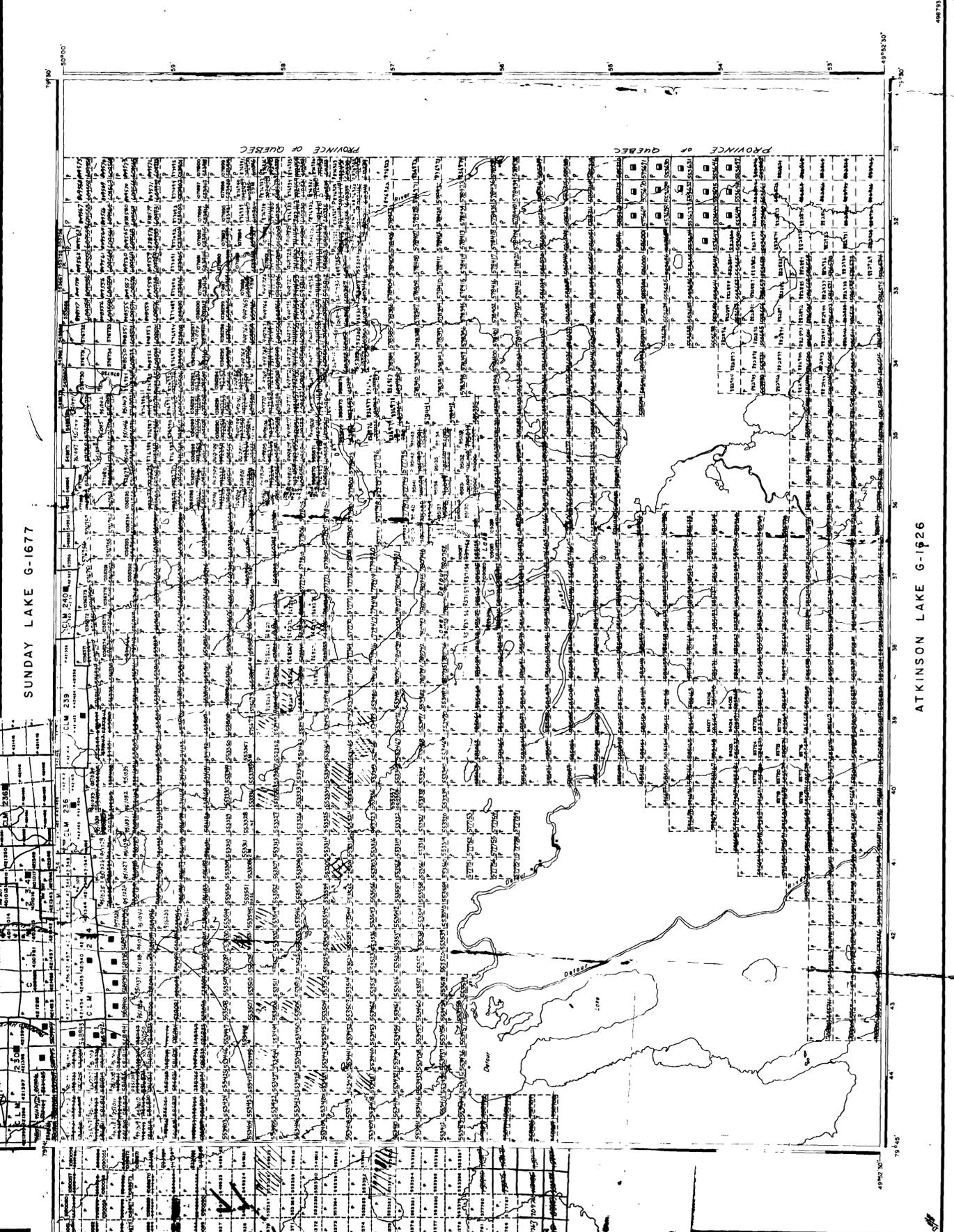
PATENT SURFACE & MINING RIGHTS
 SURFACE RIGHTS ONLY
 MINING RIGHTS ONLY
 LEASE SURFACE & MINING RIGHTS
 LEASE MINING RIGHTS ONLY
 LICENCE OF OCCUPATION
 ORDER IN COUNCIL
 RESERVATION
 SAND & GRAVEL

SCALE 1 INCH = 40 CHAINS

LOWER DETOUR LAKE
 M.R. ADMINISTRATIVE DISTRICT
 COCHRANE
 MINING DIVISION
 PORCUPINE
 LAND TITLES / REGISTRY DIVISION
 COCHRANE

Ministry of Land Management Resources
 ONTARIO

DATE: DECEMBER 1992
 NUMBER: G-1647



SUNDAY LAKE
 WE

74-1647

LOWER DETOUR LAKE
 G-1636





PROVINCE OF QUEBEC
PROVINCE OF ONTARIO

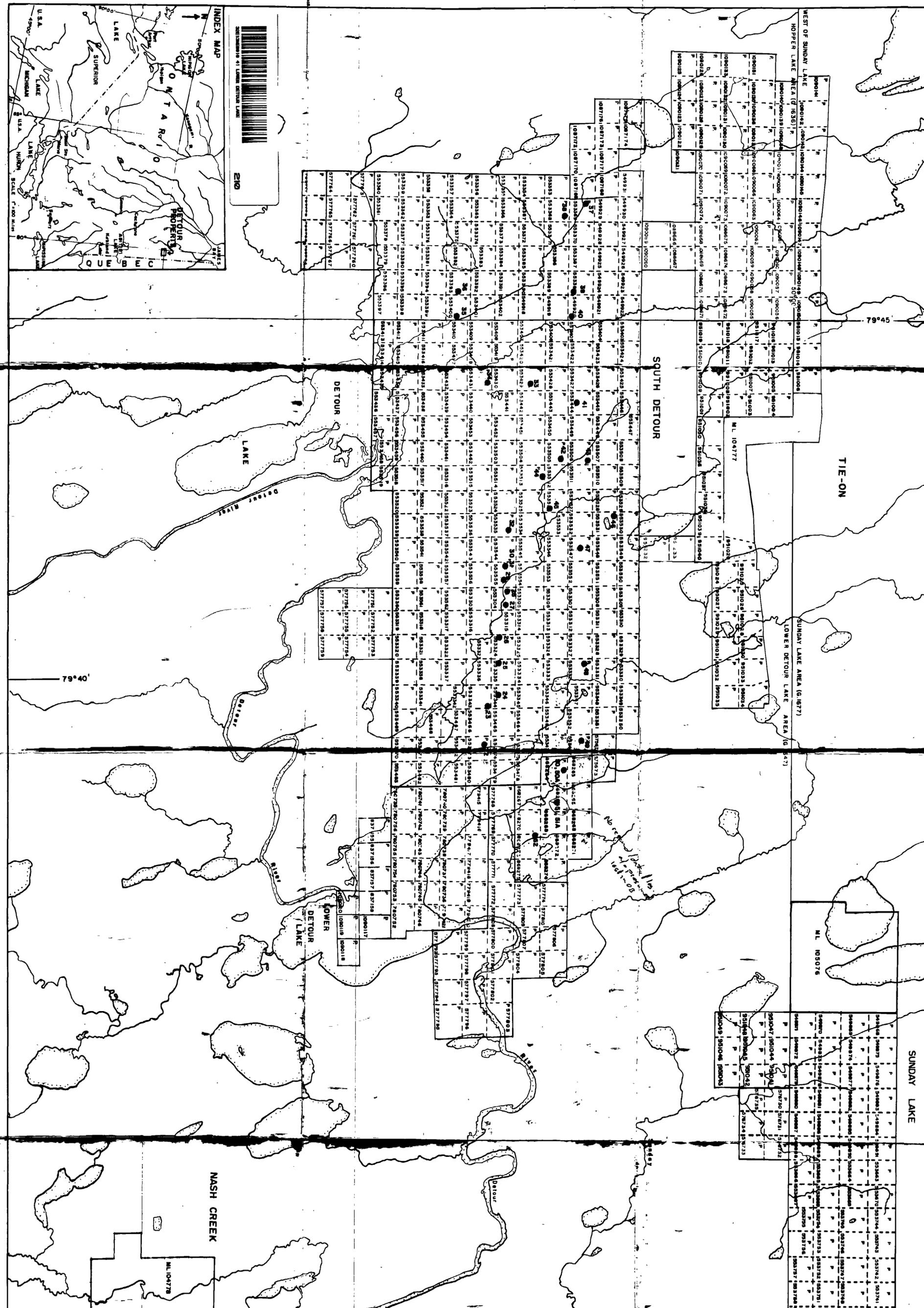
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0
DRILL HOLE 1989

SCALE
6336 3869 0 3869 6336 9504 meters

WESTMIN EXPLORATION LIMITED

DRILL HOLE LOCATION MAP
SOUTH DETOUR
TIE-ON
NASH CREEK

Ontario
DATE: March 1988
SCALE: 1:3,680



INDEX MAP

