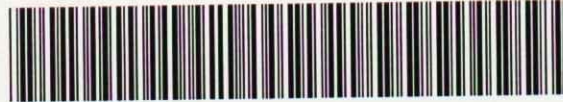
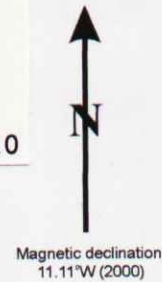


DDH Emerald-4
0+22.5W/0+25N
Az217°, Dip -45°



41116NW2015 2.20785 AFTON 010



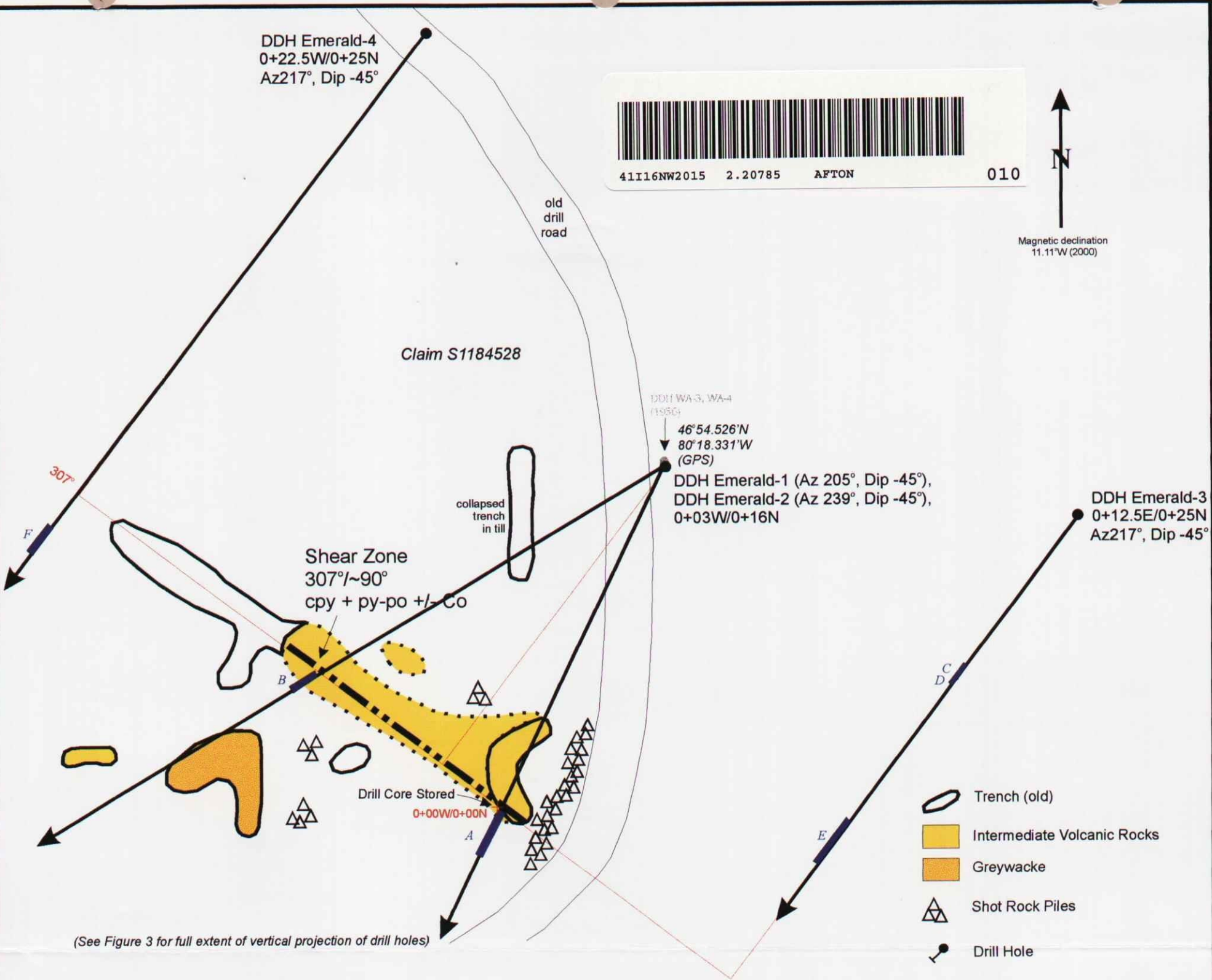
Claim S1184528

DDH WA-3, WA-4
(1986)

46°54.526'N
80°18.331'W
(GPS)

DDH Emerald-1 (Az 205°, Dip -45°),
DDH Emerald-2 (Az 239°, Dip -45°),
0+03W/0+16N

DDH Emerald-3
0+12.5E/0+25N
Az217°, Dip -45°



(See Figure 3 for full extent of vertical projection of drill holes)

- Trench (old)
- Intermediate Volcanic Rocks
- Greywacke
- Shot Rock Piles
- Drill Hole
- Shear Zone

Grid not cut:
Co-ordinates determined from 0+00W/0+00N
by chain and compass

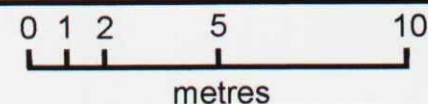
Locations of trenches and outcrops
modified after Murphy (1998)

DDH	From (m)	To (m)	Core Length (m)	Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Co (ppm)
A Emerald-1	23.67	24.08	0.41	5	0.2	270	40	130
	24.08	24.59	0.51	15	0.2	540	31	250
	24.79	25.49	0.70	10	0.6	230	30	200
	25.81	26.32	0.51	10	0.2	760	30	230
B	30.77	31.42	0.65	15	<0.2	46	74	110
C Emerald-3	8.00	8.73	0.73	30	0.2	380	61	140
	8.73	9.14	0.41	15//20	0.4	640	51	110
	18.94	19.06	0.12	150	<0.2	17	22	240
F Emerald-4	46.01	47.01	1.00	<5	1.6	1000	130	55



EMERALD LAKE PROPERTY
Temagami, Ontario
Sudbury Mining District

Detailed plan of diamond drill holes
September, 2000



Property : Temagami	Hole No. : Emerald-1	Elevation :	Depth : 107.00 metres	Date Started: August 15, 2000
Grid No. : S1184528	Easting : 0+03W	Azimuth : 205° (true)	Horizontal length : 77 m	Date Completed: August 16, 2000
Location : Emerald Lake, Ontario	Northing : 0+16 N	Inclination : -45°	Core Size : BQ	Drilled By: Bradley Bros. Ltd.
Core stored at 0+10W/0+00N				Logged By: William S. Ferreira

Tested Depth (metres)	107.00									
Acid Test Inclination (corr.)	43°									
Tested Depth (metres)										
Acid Test Inclination (corr.)										

Drill Hole Plug Record		
Plug Placed @ (m)		
Bags of Cement Pumped Down Rods		

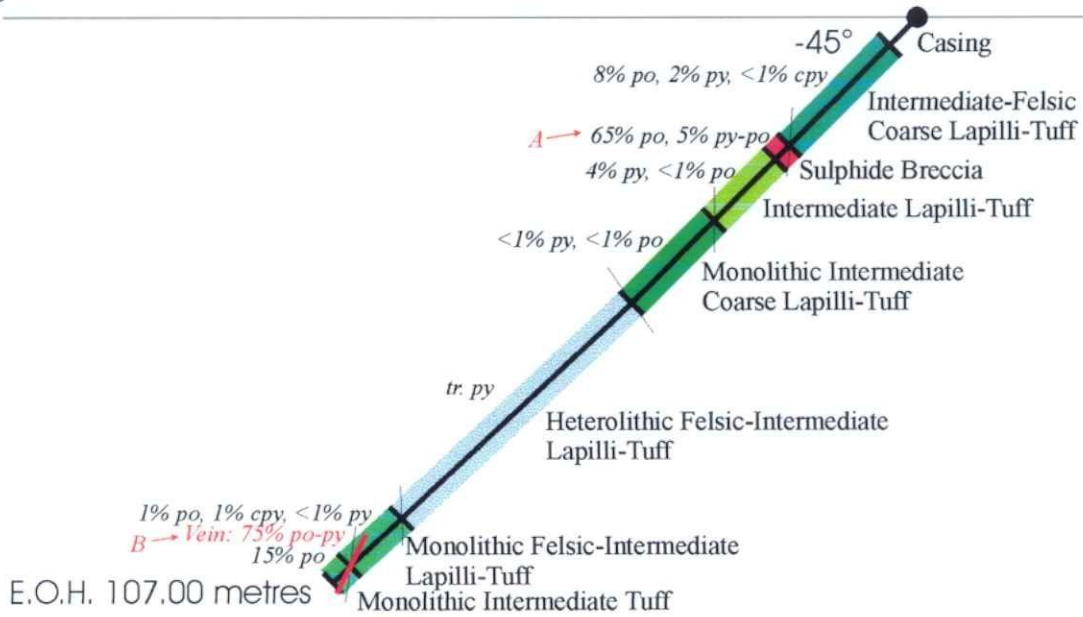
INTERVAL METERS	DESCRIPTION	SAMPLE RECORD			
		FROM	TO	WIDTH	SAMPLE No.
0 - 5.00 metres	Casing				
5.00 - 23.67	Intermediate to Felsic Coarse Lapilli-Tuff	13.39	13.89	0.50	729101
	Lt. buff-greenish colour; good foliation; 25% matrix, 75% clasts. Matrix aphanitic, light grey	13.89	14.38	0.49	729102
	with fine pyrrhotite-chlorite. Clasts aphanitic, green & white, crystals 50 cm long in core.	14.38	15.38	1.00	729103
	Clasts show chlorite reaction rims and sericite cores indicating that they were hot at the time	15.38	16.38	1.00	729104
	of deposition. 8% po, 2% py, <1% cpy, disseminated and in veinlets. C.A. @ 23.67 m = 40°.	16.38	17.37	0.99	729105
	13.89-14.38: 20% po, <1% py, <1% cpy in matrix	17.37	18.37	1.00	729106
	17.37-19.82: 10% white cherts beds, up to 2 cm thick. Sulphides occur in cross fractures	18.37	19.37	1.00	729107
	throughout the chert but not in the chert.	19.37	19.82	0.45	729108
	19.82-23.08: Near massive flow section or clast; 3% disseminated py.	19.82	20.82	1.00	729109
	23.08-23.67: 10% py, 2% po	20.82	21.82	1.00	729110
		21.82	22.82	1.00	729111
23.67 - 26.32	Sulphide Breccia	22.82	23.08	0.26	729112
	Intermediate lapilli-tuff with a sulphide matrix. Matrix 75%, clasts 25%. 70% sulphides overall:	23.08	23.67	0.59	729113
	65% po, 5% py, <1% cpy. Py is medium- to coarse-grained and occurs in quartz patches	23.67	24.08	0.41	729114
	up to 8 cm across.	24.08	24.59	0.51	729115
	23.67-24.08: 35% sulphides, 65% lt. green clasts	24.59	24.79	0.20	729116
	24.08-24.59: 90% sulphides	24.79	25.49	0.70	729117
	24.59-24.79: Clast, 5% py	25.49	25.81	0.32	729118
	24.79-25.49: 75% sulphides, 25% clasts	25.81	26.32	0.51	729119

23.67-26.32m	<i>Sulphide Breccia continued...</i>	26.32	27.32	1.00	729120
cont'd.	25.49-25.81: Clast, 5% sulphides	27.32	28.32	1.00	729121
	25.81-26.32: 85% sulphides, 15% clasts	28.32	29.32	1.00	729122
		29.32	30.37	1.05	729123
26.32 - 37.68	Intermediate Lapilli-Tuff				
	Lt. grey-green colour; good foliation but irregular; aphanitic; 60% clasts, 40% matrix; appears to contain clasts up to 50 cm long; clasts are green, siliceous, epidotic; clasts are chilled; reaction rims on clasts; 4% py, <1% po; C.A. @ 37.68 m = 45° vague.				
	26.32-30.37: 6% py, 2% po				
	30.37-37.68: <1% py, <1% po				
37.68 - 94.56	Monolithic Intermediate Coarse Lapilli-Tuff				
	Light grey-green colour; good foliation but irregular; overall 35% matrix, 65% clasts; matrix and clasts are the same composition; matrix consists of quartz-carbonate and chilled chlorite clasts; clasts are aphanitic, subrounded-subangular, chilled; 3% white carbonate up to 2 cm wide; <1% disseminated py, <1% disseminated & veinlet po; C.A. @ 94.56 m = 80°.				
	69.50-71.00: Blocky zone, rubbly, no sulphides				
	88.80-94.56: Greener colour; clasts mainly lapilli-sized; green colour is due to epidote				
94.56 - 103.81	Heterolithic Felsic-Intermediate Lapilli-Tuff				
	Lt. buff-green colour; good but irregular foliation; aphanitic crystals; 65% green matrix, 35% felsic and intermediate clasts up to 4 cm across, rounded to subangular; trace pyrite; C.A. @ 103.81 m = 50°.				
	103.76-103.81: Blocky rubbly contact				
103.81 - 105.90	Monolithic Felsic-Intermediate Lapilli-Tuff with Sulphides	103.81	104.81	1.00	729124
	Lt. green-grey colour; irregular foliation; aphanitic; vague clasts; 10% matrix, 90% clasts; 5% quartz-carbonate-sulphide veinlets; 1% po, 1% cpy, <1% py; C.A. @ 105.90 m = 40°.	104.81	105.90	1.09	729125
	104.43-104.48: Sulphide vein, 75% po-py; C.A.=20°.				
105.90 - 107.00	Monolithic Intermediate Tuff				
	Lt. grey colour; no visible bedding; aphanitic; 20% quartz-carbonate veins; 15% po, disseminated and veinlets.				

DDH Emerald-1

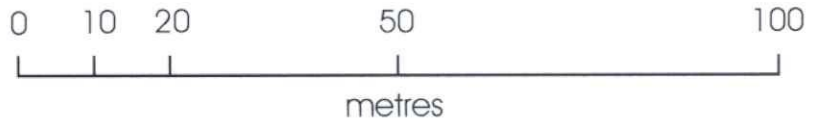
0+03W/0+16N

Az205°



	From (m)	To (m)	Core Length (m)	Au (ppb)	Ag (ppm)	Cu (ppm)	Cu (%)	Zn (ppm)	Co (ppm)
A	23.67	24.08	0.41	5	0.2	270		40	130
	24.08	24.59	0.51	15	0.2	540		31	250
	24.79	25.49	0.70	10	0.6	230		30	200
	25.81	26.32	0.51	10	0.2	760		30	230
B	103.81	104.81	1.00	170	12.0	>5000	0.62	450	48
	104.81	105.90	1.09	120	9.0	>5000	0.57	690	77

SCALE 1:1 000



Canmine

RESOURCES CORPORATION

EMERALD LAKE PROPERTY

Temagami, Ontario

Sudbury Mining District

Drill Hole Section,

Diamond Drill hole Emerald-1, claim S1184528.

September, 2000

Canmine Resources Corporation

Property : Temagami	Hole No. : Emerald-2	Elevation :	Depth : 104.00 metres	Date Started: August 16, 2000
Claim No. : S1184528	Easting : 0+03 W	Azimuth : 239° (true)	Horizontal length : 76 m	Date Completed: August 17, 2000
Location : Emerald Lake, Ontario	Northing : 0+16N	Inclination : -45°	Core Size : BQ	Drilled By: Bradley Bros. Ltd.
Core stored at 0+10W/0+00N				Logged By: William S. Ferreira

Tested Depth (metres)	104.00									
Acid Test Inclination (corr.)	41°									
Tested Depth (metres)										
Acid Test Inclination (corr.)										

Drill Hole Plug Record	
Plug Placed @ (m)	
Bags of Cement Pumped Down Rods	

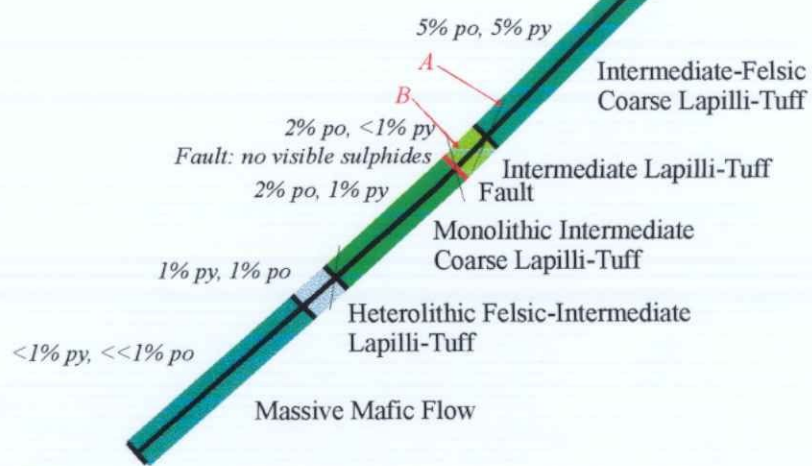
INTERVAL METERS	DESCRIPTION	SAMPLE RECORD			
		FROM	TO	WIDTH	SAMPLE No.
0 - 5.00 metres	Casing				
5.00 - 40.43	Intermediate to Felsic Coarse Lapilli-Tuff	14.30	15.30	1.00	729130
	Lt. buff-greenish colour; good but irregular foliation; 25% matrix, 75% clasts. Matrix	15.30	16.30	1.00	729131
	aphanitic, light grey with fine pyrrhotite-chlorite, more intermediate composition than clasts.	16.30	17.30	1.00	729132
	Clasts aphanitic, green & white, crystals 50 cm long in core.	17.30	18.30	1.00	729133
	Clasts show chlorite reaction rims and sericite cores indicating that they were hot at the time of deposition. 5% po, 5% py; C.A. @ 40.43 m = 20°.				
	14.30-18.85: 8% po, 7% py; sulphides are disseminated in clasts and in the matrix	18.30	18.85	0.55	729134
	22.16-22.24: 15% po in matrix	29.77	30.77	1.00	729135
	25.17-25.27: 25% fine po in matrix	30.77	31.42	0.65	729136
	29.77-31.42: 10% py, 5% po				
	36.35-40.43: 1% py, 1% po				
40.43 - 46.00	Intermediate Lapilli-Tuff	46.00	46.28	0.28	729137
	Lt. grey-green colour; good foliation but irregular; aphanitic; 60% clasts, 40% matrix; appears to contain clasts up to 50 cm long; clasts are green, siliceous, epidotic; clasts are chilled; reaction rims on clasts; 2% po, <1% py, C.A. @ 46.00 m is destroyed.				
46.00 - 46.28	Fault				
	Minor fault, blocky core; no sulphides. C.A. appears to be about 60°.				

Az239°

DDH Emerald-2

0+03W/0+16N

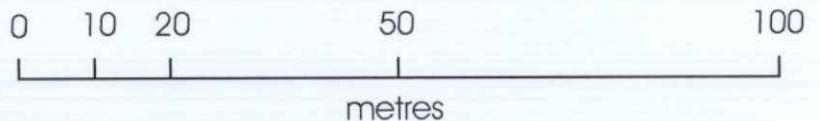
-45° Casing



E.O.H. 104.00 metres

	From (m)	To (m)	Core Length (m)	Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Co (ppm)
A →	30.77	31.42	0.65	15	<0.2	46	74	110
B →	46.00	46.28	0.28	55	3.6	4000	340	150

SCALE 1:1 000



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EMERALD LAKE PROPERTY
 Temagami, Ontario
 Sudbury Mining District

Drill Hole Section,
 Diamond Drill hole Emerald-2, claim S1184528.

September, 2000

Canmine Resources Corporation

Property : Temagami	Hole No. : Emerald-3	Elevation :	Depth : 101.00 metres	Date Started: August 17, 2000
Claim No. : S1184528	Easting : 0+12.5 E	Azimuth : 217° (true)	Horizontal length : 76 m	Date Completed: August 18, 2000
Location : Emerald Lake, Ontario	Northing : 0+25 N	Inclination : -45°	Core Size : BQ	Drilled By: Bradley Bros. Ltd.
Core stored at 0+10W/0+00N				Logged By: William S. Ferreira

Tested Depth (metres)	101.00									
Acid Test Inclination (corr.)	41°									
Tested Depth (metres)										
Acid Test Inclination (corr.)										

Drill Hole Plug Record		
Plug Placed @ (m)		
Bags of Cement Pumped Down Rods		

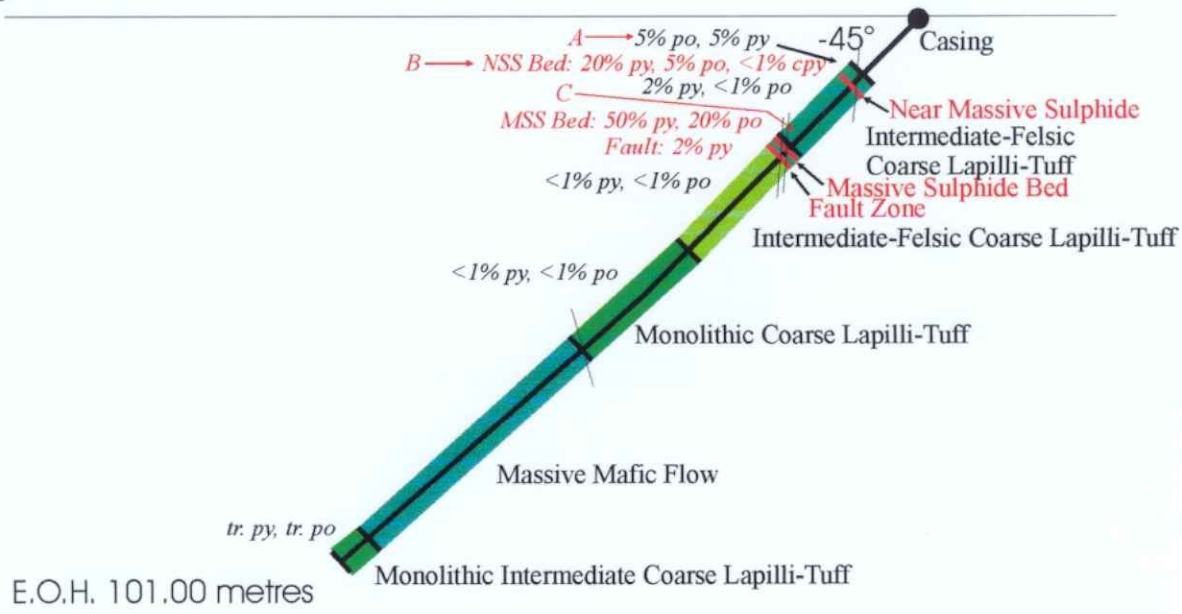
INTERVAL METERS	DESCRIPTION	SAMPLE RECORD			
		FROM	TO	WIDTH	SAMPLE No.
0 - 7.00 metres	Casing				
7.00 - 8.73	Intermediate to Felsic Coarse Lapilli-Tuff Lt. buff-greenish colour; good foliation; 25% matrix, 75% clasts. Matrix aphanitic, light grey with fine pyrrhotite-chlorite. Clasts aphanitic, green & white, crystals 50 cm long in core. Clasts show chlorite reaction rims and sericite cores indicating that they were hot at the time of deposition, 5% coarse py, 5% po; C.A. @ 8.13 m = 40°.	8.00	8.73	0.73	729147
8.73 - 9.14	Near Massive Sulphide Bed Vague foliation. 20% py, 5% po, <1% cpy, 25% quartz-chlorite matrix. C.A. @ 9.14 m is irregular	8.73	9.14	0.41	729148
9.14 - 20.38	Intermediate to Felsic Coarse Lapilli-Tuff Same as 7.00 - 8.73. 2% disseminated py, <1% po; C.A. @ 20.38 m = 40°. 18.94-19.06: Quartz-pyrite vein with 60% fine pyrite; C.A. of vein = 40°.	18.94	19.06	0.12	729149
20.38 - 20.48	Massive Sulphide Bed Contains 50% fine py, 20% po, 30% chlorite-quartz; C.A. @ 20.48 m = 60°.	20.38	20.48	0.10	729150

20.48 - 20.84	Intermediate to Felsic Coarse Lapilli-Tuff	20.48	20.84	0.36	729151
	Lt. buff-greenish colour; good foliation; 25% matrix, 75% clasts. Matrix aphanitic, light grey with fine pyrrhotite-chlorite. Clasts aphanitic, green & white, crystals 50 cm long in core.				
	Clasts show chlorite reaction rims and sericite cores indicating that they were hot at the time of deposition. C.A. @ 20.84 m = 40° (fault).				
20.84 - 21.14	Fault Zone	20.84	21.14	0.30	729152
	Chlorite alteration; 2% py; C.A. = 40°.				
21.14 - 39.63	Intermediate Lapilli-Tuff				
	Lt. grey-green colour; good foliation but irregular; aphanitic; 60% clasts, 40% matrix; appears to contain clasts up to 50 cm long; clasts are green, siliceous, epidotic; clasts are chilled; good reaction rims on clasts; <1% py, <1% po; C.A. @ 39.63 m is irregular.				
39.63 - 58.82	Monolithic Coarse Lapilli-Tuff				
	Light grey-green colour; good foliation but irregular; overall 35% matrix, 65% clasts; matrix and clasts are the same composition; matrix consists of quartz-carbonate and chilled chlorite clasts; clasts are aphanitic, subrounded-subangular, chilled; 3% white quartz-carbonate veins; <1% py, <1% po; C.A. @ 58.82 is 60° irregular.				
58.82 - 96.30	Mafic Flow (Andesite)				
	Green-grey colour; good but irregular foliation; aphanitic matrix. Matrix 20%, clasts 80%; clasts up to 50 cm long, contains interflow breccias up to 1.5 metres long in core; tr. py-po; C.A. @ 96.30 m is irregular.				
	60.96-61.10: Fractured zone, bad ground, rubbly rock; 2% pyrite; minor clay.	60.96	61.10	0.14	729153
96.30 - 101.00	Monolithic Intermediate Coarse Lapilli-Tuff				
	20% matrix; 80% clasts, subrounded, up to 20 cm; 5% quartz-carbonate veins, tr. py, tr. po				
		LITHO:			
101.00	End of Hole	17.22	17.40	0.18	729154
		37.63	37.83	0.20	729155
		67.61	67.85	0.24	729156
		96.76	97.00	0.24	729157
	WILLIAM S. FERREIRA				

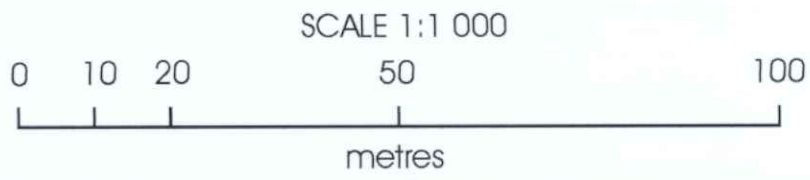
Oct 1, 2000

Az217°

DDH Emerald-3
0+12.5E/0+25N



	From (m)	To (m)	Core Length (m)	Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Co (ppm)
A →	8.00	8.73	0.73	30	0.2	380	61	140
B →	8.73	9.14	0.41	15/20	0.4	640	51	110
C →	18.94	19.06	0.12	150	<0.2	17	22	240



Canmine
RESOURCES CORPORATION

EMERALD LAKE PROPERTY
Temagami, Ontario
Sudbury Mining District

Drill Hole Section,
Diamond Drill hole Emerald-3, claim S1184528.

September, 2000

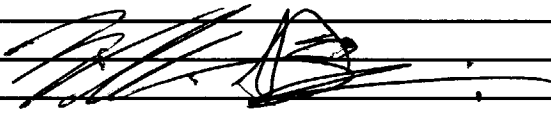
Canmine Resources Corporation

Property : Temagami	Hole No. : Emerald-4	Elevation :	Depth : 101.00 metres	Date Started: August 18, 2000
Claim No. : S1184528	Easting : 0+22.5 W	Azimuth : 217° (true)	Horizontal length : 76 m	Date Completed: August 19, 2000
Location : Emerald Lake, Ontario	Northing : 0+25 N	Inclination : -45°	Core Size : BQ	Drilled By: Bradley Bros. Ltd.
Core stored at 0+10W/0+00N				Logged By: William S. Ferreira

Tested Depth (metres)	101.00								
Acid Test Inclination (corr.)	40°								
Tested Depth (metres)									
Acid Test Inclination (corr.)									

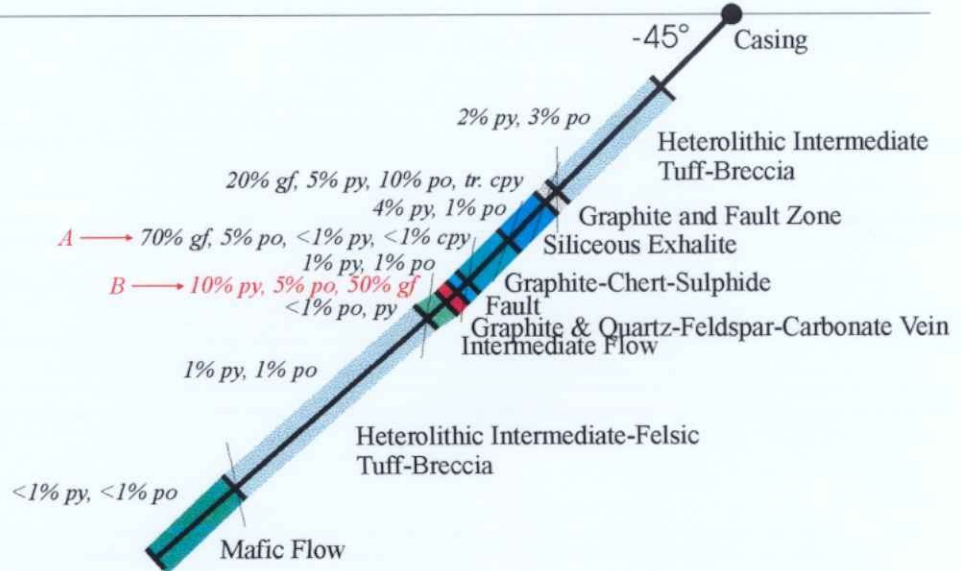
Drill Hole Plug Record	
Plug Placed @ (m)	
Bags of Cement Pumped Down Rods	

INTERVAL METERS	DESCRIPTION	SAMPLE RECORD			
		FROM	TO	WIDTH	SAMPLE No.
0 - 13 metres	Casing				
13 - 32.55	Heterolithic Intermediate Tuff-Breccia 25% matrix, 75% clasts; clasts are metre-sized; matrix is lapilli-tuff; buff-grey-green colour; good foliation. Clasts consist of buff-yellowish felsic to siliceous grey aphanitic up to 2 m in core. 2% py, 3% po; C.A. @ 32.55 m = 45°. 31.64-32.55: 3% disseminated coarse pyrite	31.64	32.55	0.91	729158
32.55 - 34.77	Graphite and Fault Zone Dark grey to black; good foliation; aphanitic; argillaceous, siliceous; 20% graphite, 5% py, 10% po, trace cpy; C.A. @ 34.77 m = 25°. 33.20-33.77: Fault, graphitic fault gouge with black mud. 15% pyrite; C.A. of fault = 20°.	32.55	33.77	1.22	729159
		33.77	34.77	1.00	729160
34.77 - 41.71	Siliceous Exhalite Cherty pyritiferous sediment with minor argillaceous thin beds. Buff colour; thin to medium bedded; aphanitic; 4% py, 1% po disseminated; C.A. @ 41.71 m = 25°. 39.86-40.36: Pyrite bed, 20% medium grained pyrite in massive pyrite beds.	34.77	35.77	1.00	729161
		39.86	40.36	0.50	729162
		41.71	42.71	1.00	729163
		42.71	43.71	1.00	729164
		43.71	44.71	1.00	729165

41.71 - 49.37	Graphite - Chert - Sulphide	44.71	45.71	1.00	729166
	Dark grey to black; medium bedded; aphanitic; overall contains 70% graphite, 25% chert,	45.71	46.01	0.30	729167
	5% po, <1% py, <1% cpy; C.A. @ 49.37 m = 35°.	46.01	47.01	1.00	729168
49.37 - 51.30 m	Fault	49.37	50.30	0.93	729169
	Rubbly core composed of chert and fault gouge; 1% py, 1% po mainly smeared on fracture0	50.30	51.30	1.00	729170
	surfaces; C.A. @ 51.30 m destroyed by coring.				
51.30 - 53.25	Graphite & Quartz-Feldspar-Carbonate Vein	51.30	52.00	0.70	729171
	10% py, 5% po, 50% graphite	52.00	52.44	0.44	729172
	51.30-52.00: Qtz vein, no graphite, pegmatitic feldspar	52.44	53.25	0.81	729173
	52.00-52.44: 85% graphite, 12% po, 1% py, 2% qtz-carb				
	52.44-53.25: Qtz-feld, pyrite vein, pegmatitic				
53.25 - 56.48	Intermediate Flow	71.23	71.41	0.18	729174
	Medium grey; siliceous; no foliation; aphanitic; <1% po, py; C.A. @ 56.48 m = 40°.	78.73	80.00	1.27	729175
	56.37-56.48: Qtz-py-po vein, contains 15% po, 2% py. C.A. = 40°.				
56.48 - 90.25	Intermediate-Felsic Heterolithic Tuff-Breccia				
	Buff colour; good but irregular foliation; aphanitic; 5% matrix, 95% metre-sized blocks				
	ranging in composition from felsic to intermediate; 1% po, 1% py; C.A. @ 77.10 m = 60°.				
90.25 - 101.00	Mafic Flow				
	Medium green; no foliation; aphanitic; 2% magnetite, <1% py, <1% po, trace cpy.				
101.00	End of Hole	LITHO:			
		29.28	29.40	0.12	729176
		88.27	88.47	0.20	729177
	 Oct 1, 2000	97.64	97.84	0.20	729178
	WILLIAM S. FERREIRA.				

Az217°

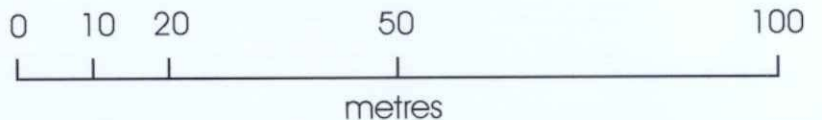
DDH Emerald-4
0+22.5W/0+25N



E.O.H. 101.00 metres

	From (m)	To (m)	Core Length (m)	Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Co (ppm)
A →	46.01	47.01	1.00	<5	1.6	1000	130	55
B {	52.00	52.44	0.44	30//20	2.4	860	20	510
	52.44	53.25	0.81	15	1.8	1000	870	150

SCALE 1:1 000



Canmine

RESOURCES CORPORATION

EMERALD LAKE PROPERTY

Temagami, Ontario

Sudbury Mining District

Drill Hole Section,

Diamond Drill hole Emerald-4, claim S1184528.

September, 2000



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 P (306) 931-1033 F (306) 242-4717 E tslab@sk.sympadco.ca

Company: Canmine Resources Corporation
 Geologist: W. Ferreira
 Project: Emerald Lake

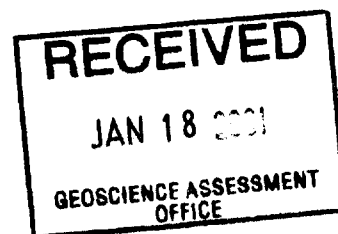
TSL Report: S1520
 Date Received: Aug 25, 2000
 Date Reported: Aug 29, 2000
 Invoice: 11272

Sample Type:	Number	Size Fraction	Sample Preparation
Core	45	Reject 90% at 10 mesh (1.70 mm) Pulp 95% at 150 mesh (106 µm)	Crush, Riffle, Pulverize

All samples for Au Fire Assay/AA (ppb) are weighed at 30 grams.
All samples for Au Fire Assay/Gravimetric (g/t) are weighed at 29.16 grams.
All samples for Ag, Base Metals (ppm) are weighed at 1 gram.
All samples for Base Metals (%) are weighed at .5 gram.

Element Name	Unit	Extraction Technique	Lower Detection Limit	Upper Detection Limit
Au	ppb	Fire Assay/AA	5	1000
Au	g/t	Fire Assay/Gravimetric	.03	100%
Ag	ppm	HCl-HNO ₃ /AA	.2	50
Base Metals	ppm	HCl-HNO ₃ /AA	1	5000
Base Metals	%	HCl-HNO ₃ /AA	.01	100

2 .20785





#2 - 302 48th Street - Saskatoon, SK - S7K 6A4
 P (306) 931-1033 F (306) 242-4717 E tsllab@sk.sympatico.ca

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Canmine Resources Corporation
 200 - 5 Donald Street
 Winnipeg, Manitoba
 R3L 2T4

REPORT No. S1520

SAMPLE(S) OF Core

INVOICE #: 11272
 P.O.:

W. Ferreira
 Project: Emerald Lake

	Au ppb	Ag ppm	Cu ppm	Zn ppm	Co ppm
729101	<5	<.2	9	26	4
729102	10	.2	280	34	79
729103	<5	<.2	40	36	13
729104	<5	<.2	24	52	8
729105	<5	<.2	59	67	17
729106	<5	<.2	18	27	6
729107	<5	<.2	45	25	14
729108	<5	<.2	38	28	22
729109	<5	<.2	15	22	8
729110	<5/<5	<.2	20	28	16
729111	<5	<.2	12	23	12
729112	<5	<.2	4	23	16
729113	5	<.2	30	50	29
729114	5	.2	270	40	130
729115	15	.2	540	31	250
729116	20	<.2	12	45	12
729117	10	.6	230	30	200
729118	<5	<.2	210	71	55
729119	10	.2	760	30	230
729120	<5/<5	<.2	26	34	14

COPIES TO: W. Ferreira
 INVOICE TO: Canmine Resources - Winnipeg

Aug 29/00

SIGNED 



#2 - 302 48th Street · Saskatoon, SK · S7K 8A4
 P (306) 931-1033 F (306) 242-4717 E tsllab@sk.sympatico.ca

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Canmine Resources Corporation
 200 - 5 Donald Street
 Winnipeg, Manitoba
 R3L 2T4

REPORT No.
 S1520

SAMPLE(S) OF Core

INVOICE #: 11272
P.O.:

W. Ferreira
 Project: Emerald Lake

	Au ppb	Ag ppm	Cu ppm	Zn ppm	Co ppm	Cu %
729121	5	<.2	35	63	30	
729122	10	<.2	120	42	85	
729123	5	<.2	44	42	24	
729124	170	12.	>5000	450	48	.62
729125	120	9.0	>5000	690	77	.57
729130	5	.2	210	52	67	
729131	<5	.2	210	29	64	
729132	<5	.2	180	51	52	
729133	20	.2	210	130	24	
729134	10/5	.2	270	57	44	
729135	<5	<.2	79	45	23	
729136	15	<.2	46	74	110	
729137	55	3.6	4000	340	150	
729138	10	1.2	410	120	60	
729139	5	1.0	500	98	30	
729140	5	.6	200	71	32	
729141	10	.6	370	31	45	
729142	10	.6	350	50	46	
729147	30	.2	380	61	140	
729148	15/20	.4	640	51	110	

COPIES TO: W. Ferreira
INVOICE TO: Canmine Resources - Winnipeg

Aug 29/00

SIGNED 



#2 - 302 48th Street · Saskatoon, SK · S7K 6A4
 P (306) 931-1033 F (306) 242-4717 E tslab@sk.sympatico.ca

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Canmine Resources Corporation
 200 - 5 Donald Street
 Winnipeg, Manitoba
 R3L 2T4

REPORT No. S1520

SAMPLE(S) OF Core

INVOICE #: 11272
P.O.:

W. Ferreira
 Project: Emerald Lake

	Au ppb	Ag ppm	Cu ppm	Zn ppm	Co ppm
729149	150	<.2	17	22	240
729150	5	.6	530	35	54
729151	<5	<.2	44	43	12
729152	5	<.2	180	96	30
729153	<5	<.2	7	62	13

COPIES TO: W. Ferreira
INVOICE TO: Canmine Resources - Winnipeg

Aug 29/00

SIGNED 



2 - 302 48th Street • Saskatoon, SK - S7K 6A4
 P (306) 931-1033 F (306) 242-4717 E tsllab@sk.sympatico.ca

Company: Canmine Resources Corporation
 Geologist: W. Ferreira
 Project: Emerald Lake

TSL Report: S1519
 Date Received: Aug 25, 2000
 Date Reported: Aug 29, 2000
 Invoice: 11269

Sample Type:	Number	Size Fraction	Sample Preparation
Core	18	Reject 90% at 10 mesh (1.70 mm) Pulp 95% at 150 mesh (106 µm)	Crush, Riffle, Pulverize

All samples for Au Fire Assay/AA (ppb) are weighed at 30 grams.
All samples for Au Fire Assay/Gravimetric (g/t) are weighed at 29.16 grams.
All samples for Ag, Base Metals (ppm) are weighed at 1 gram.
All samples for Base Metals (%) are weighed at .5 gram.

Element Name	Unit	Extraction Technique	Lower Detection Limit	Upper Detection Limit
Au	ppb	Fire Assay/AA	5	1000
Au	g/t	Fire Assay/Gravimetric	.03	100%
Ag	ppm	HCl-HNO ₃ /AA	.2	50
Base Metals	ppm	HCl-HNO ₃ /AA	1	5000
Base Metals	%	HCl-HNO ₃ /AA	.01	100



#2 - 302 48th Street · Saskatoon, SK · S7K 6A4
P (306) 931-1033 F (306) 242-4717 E tslab@sk.sympatico.ca

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Canmine Resources Corporation
200 - 5 Donald Street
Winnipeg, Manitoba
R3L 2T4

REPORT No. S1519

SAMPLE(S) OF Core

INVOICE #: 11269
P.O.:

W. Ferreira
Project: Emerald Lake

	Au ppb	Ag ppm	Cu ppm	Zn ppm	Co ppm
729158	<5	.2	170	92	24
729159	10	1.6	370	850	63
729160	<5	.8	360	420	31
729161	<5	.2	8	16	24
729162	<5	1.0	160	21	86
729163	<5	.2	58	5	24
729164	5	.4	60	8	22
729165	<5	.4	100	8	28
729166	10/5	1.6	790	84	56
729167	<5	.6	290	150	21
729168	<5	1.6	1000	130	55
729169	<5	<.2	61	82	9
729170	<5	.2	170	69	16
729171	120	1.0	170	50	42
729172	30/20	2.4	860	20	510
729173	15	1.8	1000	870	150
729174	20	.6	360	330	88
729175	25	.2	280	92	65

COPIES TO: W. Ferreira
INVOICE TO: Canmine Resources - Winnipeg

Aug 29/00

SIGNED _____

Page 1 of 1



2 - 302 48th Street • Saskatoon, SK • S7K 6A4
 P (306) 931-1033 F (306) 242-4717 E tsllab@sk.sympatico.ca

Company: Canmine Resources Corporation
 Geologist: W. Ferreira
 Project: Emerald Lake

TSL Report: S1517
 Date Received: Aug 25, 2000
 Date Reported: Sep 20, 2000
 Invoice: 11315

Sample Type: Number Size Fraction Sample Preparation
 Core 15 Reject ~ 70% at -10 mesh (1.70 mm) Crush, Riffle, Pulverize
 Pulp ~ 90% at -150 mesh (106 µm)

Element Name	Method	Extraction Technique	Unit	Lower Detection Limit	Upper Detection Limit
SiO ₂	ICP	LiBO ₂ - Fusion	%	.01	100%
Al ₂ O ₃	ICP	LiBO ₂ - Fusion	%	.01	100%
Fe ₂ O ₃	ICP	LiBO ₂ - Fusion	%	.01	100%
CaO	ICP	LiBO ₂ - Fusion	%	.01	100%
MgO	ICP	LiBO ₂ - Fusion	%	.01	100%
Na ₂ O	ICP	LiBO ₂ - Fusion	%	.01	100%
TiO ₂	ICP	LiBO ₂ - Fusion	%	.01	100%
K ₂ O	ICP	LiBO ₂ - Fusion	%	.01	100%
MnO	ICP	LiBO ₂ - Fusion	%	.01	100%
P ₂ O ₅	ICP	LiBO ₂ - Fusion	%	.01	100%
LOI	ICP	LiBO ₂ - Fusion	%	.01	100%
Ba	ICP	LiBO ₂ - Fusion	ppm	10	10000
Sr	ICP	LiBO ₂ - Fusion	ppm	10	10000
Zr	ICP	LiBO ₂ - Fusion	ppm	10	10000
Sc	ICP	LiBO ₂ - Fusion	ppm	1	10000
Y	ICP	LiBO ₂ - Fusion	ppm	2	10000

Canmine Resources Corporation

Attention: W. Ferreira

Project: Emerald Lake

Sample: Core

TSL Laboratories

#2 - 302 East 48th Street, Saskatoon, Saskatchewan, S7K 6A4

Tel: (306) 931-1033 Fax: (306) 242-4717

Report No : S1517

File No : 0M1517 PL

Date : Sep-20-00

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	CaO %	MgO %	Na ₂ O %	K ₂ O %	TiO ₂ %	MnO %	P ₂ O ₅ %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	LOI %	Total %
729126	69.36	17.76	0.98	0.86	0.75	0.66	5.50	0.72	0.01	0.25	790	60	220	10	5	2.49	99.43
729127	57.34	15.74	7.78	6.10	2.69	2.27	2.32	0.97	0.11	0.72	500	340	130	20	20	3.37	99.53
729128	55.21	15.44	8.74	5.46	4.10	3.54	0.88	1.04	0.18	0.86	340	320	170	20	20	3.87	99.42
729129	55.85	19.44	9.21	0.62	2.20	5.52	2.42	0.61	0.03	0.19	320	210	170	10	10	3.30	99.47
729143	65.13	17.06	3.41	1.95	1.64	3.52	3.17	0.73	0.04	0.18	440	110	140	10	10	2.49	99.40
729144	62.83	20.22	2.24	1.75	1.04	1.09	5.76	1.05	0.02	0.68	800	90	160	20	15	2.94	99.72
729145	64.19	17.81	3.41	2.40	2.10	0.95	4.55	0.62	0.06	0.18	670	130	140	5	10	3.36	99.74
729146	53.19	13.75	13.57	8.87	3.43	0.53	0.12	1.93	0.28	0.36	20	430	140	60	45	3.59	99.70
729154	63.49	15.33	4.85	3.25	2.80	3.27	2.20	0.54	0.09	0.15	380	140	110	5	10	3.76	99.79
729155	54.98	15.03	8.31	7.00	3.61	0.71	2.36	0.99	0.16	0.80	580	320	150	20	20	5.29	99.35
729156	53.15	14.95	8.74	7.31	4.38	3.84	0.05	0.99	0.21	0.82	20	450	160	20	20	4.86	99.38
729157	58.32	13.36	5.81	7.10	3.23	1.99	1.76	0.88	0.13	0.63	430	210	170	20	25	6.48	99.79
719176	56.61	15.46	8.61	5.69	3.15	2.29	2.44	0.80	0.11	0.32	330	200	170	15	20	4.09	99.65
729177	68.18	16.57	2.58	2.07	0.99	0.84	4.48	0.72	0.04	0.21	720	130	130	10	10	2.81	99.60
729178	54.18	13.88	15.40	3.66	4.00	2.07	0.63	2.07	0.26	0.37	10	230	150	50	40	3.41	99.37

Sample is fused with Lithium metaborate and dissolved in dilute HNO3.

Signed: 



Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use) W0070.00255 Assessment Files Research Imaging



41I16NW2015 2.20785 AFTON

900

subsection 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, assessment work and correspond with the mining land holder. Questions about this orthern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury,

Instructions: - For work performed on Crown Lands before recording a claim, use form 0240. - Please type or print in ink.

1. Recorded holder(s) (Attach a list if necessary)

Form for recorded holder(s) with fields for Name, Address, Client Number, Telephone Number, Fax Number.

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

Form for type of work performed with checkboxes for Geotechnical, Physical, and Rehabilitation, and fields for Work Type, Dates Work Performed, Township/Area, Mining Division, Resident Geologist District.

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required; - provide proper notice to surface rights holders before starting work; - complete and attach a Statement of Costs, form 0212; - provide a map showing contiguous mining lands that are linked for assigning work; - include two copies of your technical report.

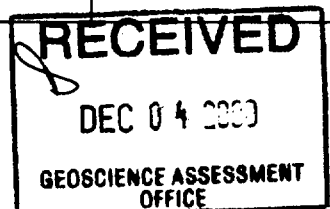
3. Person or companies who prepared the technical report (Attach a list if necessary)

Form for person or companies who prepared the technical report with fields for Name, Address, Telephone Number, Fax Number.

4. Certification by Recorded Holder or Agent

I, William S. Ferreira, do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its Completion and, to the best of my knowledge, the annexed report is true.

Form for certification with fields for Signature of Recorded Holder or Agent, Date, Agent's Address, Telephone Number, Fax Number.



#2915

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

W0070, 00255

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work Applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date	
1	1184528	\$37,862.52	0	0	\$37,862.52	
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
Column Totals		8	\$37,862.52	0	0	\$37,862.520

I, William S. Ferreira, do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing

Date

Nov 22, 2000.

6. **Instruction for cutting back credits that are not approved.**

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp

Deemed Approved Date

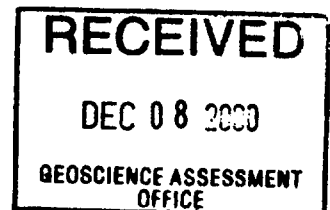
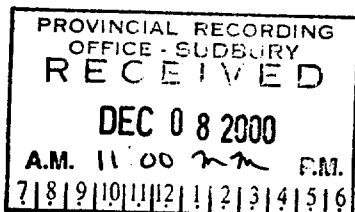
Date Notification Sent

Date Approved

Total Value of Credit Approved

Approved for Recording by Mining Recorder (Signature)

0241 (03/97)





**Statement of Costs
for Assessment Credit**

Transaction Number (office use)
W0070.00255

Personal information collected on this form is obtained under the authority of subsection 6 (1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, this information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Work Type	Units of work Depending on the type of work, list the number of hours/day worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
Diamond drilling	413.0 metres (including casing, 4 acid tests, pull casing)	\$59.451	\$24,553.26
Drill core assays	63 samples (Ag, Cu, Zn, Co, sample preparation)	20.79	1,309.77
Geochemical analysis (Whole Rock & ICP)	15 samples	37.77	566.55
Field Geologist	8 days	250.00	2,000.00
Associated Costs (e.g. supplies, mobilization and demobilization).			
Mobilization & Demobilization			6,634.00
Core trays & core splitter rental			437.63
Shipping supplies			33.22
Communication (Radio telephone)			150.00
Transportation Costs			
Geologist: Air transportation, car rental			1,611.57
Sample shipping			87.73
Food and Lodging Costs			
			478.79
Total Value of Assessment Work			\$37,862.52

Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK x 0.50 = Total \$ value of worked claimed.

Note:

- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, William S. Ferreira, do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying

Declaration of Work form as Senior Geologist I am authorized to make this certification.
(recorded holder, agent, or state company position with signing authority)

Signature 	Date Nov 27, 2000
---------------	----------------------

RECEIVED
DEC 04 2000
GEOSCIENCE ASSESSMENT
OFFICE

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

January 22, 2001

CANMINE RESOURCES CORPORATION
275 DUNDAS ST., SUITE 1605
LONDON, ONTARIO
N6B-3L1

Telephone: (888) 415-9845
Fax: (877) 670-1555

Visit our website at:
www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Dear Sir or Madam:

Submission Number: 2.20785

Status

Subject: Transaction Number(s): W0070.00255 Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. **WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.**

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in **DUPLICATE** to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact **BRUCE GATES** by e-mail at bruce.gates@ndm.gov.on.ca or by telephone at (705) 670-5856.

Yours sincerely,



ORIGINAL SIGNED BY
Lucille Jerome
Acting Supervisor, Geoscience Assessment Office
Mining Lands Section

Work Report Assessment Results

Submission Number: 2.20785

Date Correspondence Sent: January 22, 2001

Assessor: BRUCE GATES

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W0070.00255	1184528	AFTON	Approval	January 22, 2001

Section:
16 Drilling PDRILL

Correspondence to:
Resident Geologist
Sudbury, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):
Williams S Ferreira
WINNIPEG, MANITOBA

CANMINE RESOURCES CORPORATION
LONDON, ONTARIO



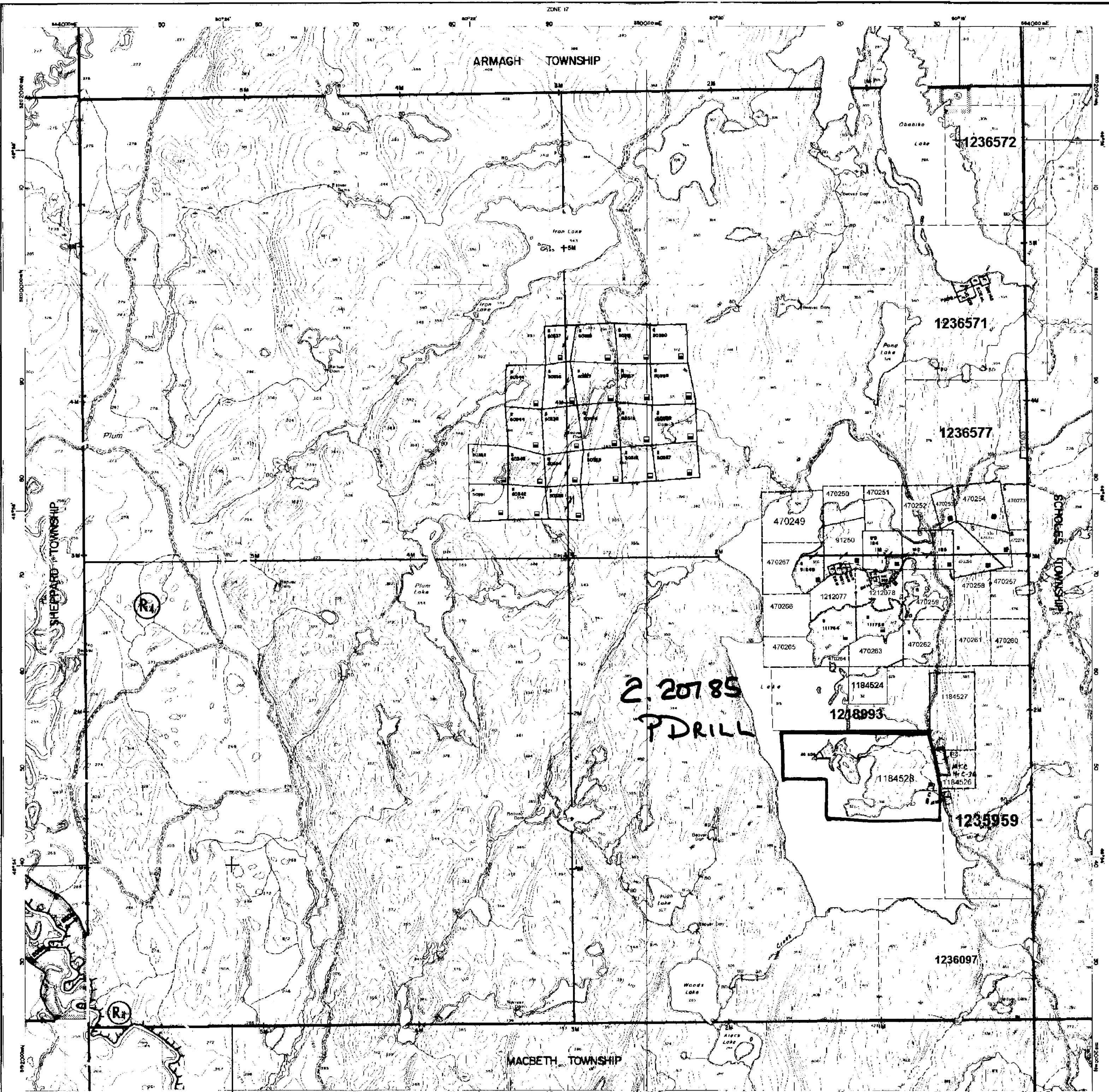
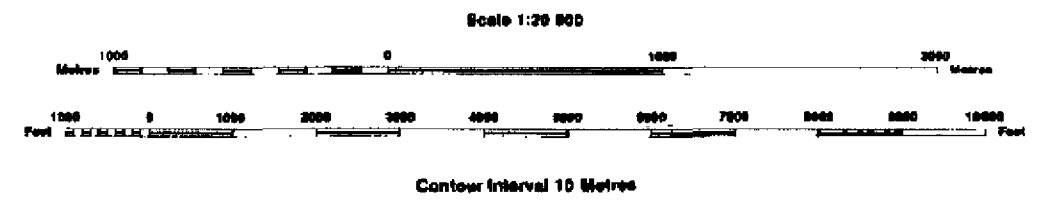
Ministry of Natural Resources

Ministry of Northern Development and Mines

INDEX TO LAND DISPOSITION

PLAN G-2900 TOWNSHIP AFTON

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



AREAS WITHDRAWN FROM DISPOSITION

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

Table with columns: Description, Order No., Date, Disposition, File

Part of order W 5288 approved by order O-46, 0480 1887 effective April 2, 1990 at 7:00 AM E.S.T.

REC 3598 W.S. 7191 10/10/87 M.65 199150

SEC. 35 W-L-P173/89 ONT MAY 12/89 M+S

SYMBOLS

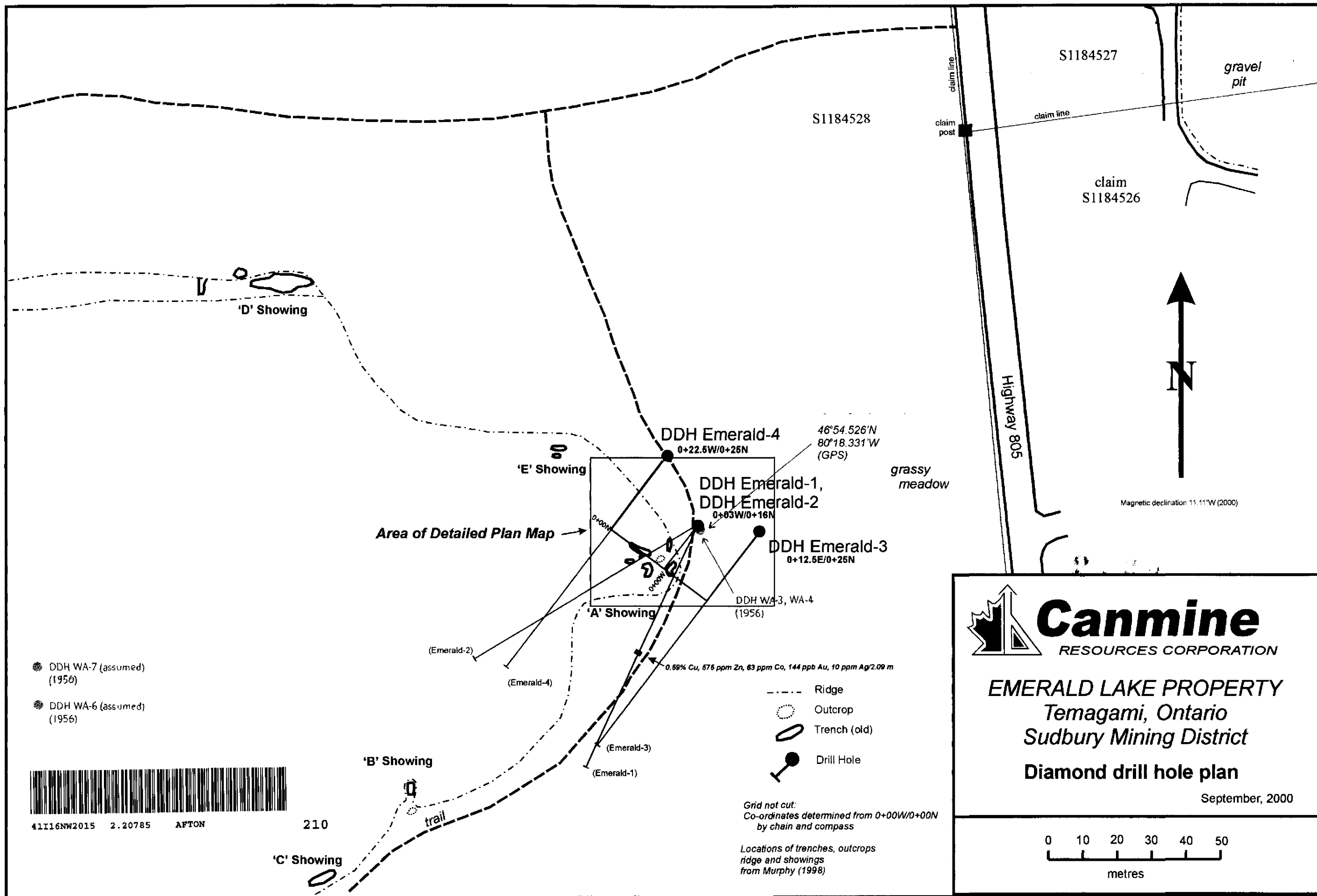
Table of symbols for Boundary, Township, Meridian, Baseline, Road allowance, etc.

DISPOSITION OF CROWN LANDS

Table of symbols for Patent, Lease, Licence of Occupation, etc.



THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED...



● DDH WA-7 (assumed) (1950)

● DDH WA-6 (assumed) (1956)



41116NW2015 2.20785 APTON

210

- Ridge
- Outcrop
- ◌ Trench (old)
- Drill Hole

Grid not cut:
Co-ordinates determined from 0+00W/0+00N
by chain and compass

Locations of trenches, outcrops
ridge and showings
from Murphy (1998)



EMERALD LAKE PROPERTY
Temagami, Ontario
Sudbury Mining District
Diamond drill hole plan

September, 2000

