DIAMOND DRILL CORE LOG-SUMMARY SHEET

Project: Halfmoon
Date: July 17, 1998
Logged by: Robert Calhoun
Drilling Co: Colbert Drilling

DDH: HM98-19

Claim Number: 1190197

COLLAR LOCATION: L10150N/5400E

SURVEYS: Acid Test

	Depth	Azimuth	Dip
Setup:	0.0	206°	-50°
	100.0m		-49°
	200.0m		-49°

	TIMMINS COORDINATES	GRID COORDINATES
Northing:		10150N
Easting		5400E
Elevation: 0.0 meters		
TD: 201.0 meters		

DRILLING DATES
Started: July 17, 1998
Finished: July 19, 1998

42A12SE2014 2.20379 ROBB

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DIAMOND DRILL SUMMARY LOG

Project: Halfmoon
Date: July 17 to 19 1998
Logged By: Robert Calhoun

DDH: HM98-19

GEOLOGIC SUMMARY

FROM (m)	TO (m)	DESCRIPTION	INTERVAL From (m)	INTERVAL To (m)	INTERVAL Width (m)	SIGNIFICANT ASSAY AVERAGES Cu ppm	Zn ppm	Pb ppm	Ag g/t	Au ppb
0	16.0	Overburden								
16.0	41.7	Mafic Volcanic								
41.7	44.0	Mafic Volcanic								
44.0	50.6	Mafic Volcanic (altered Felsic?)	44.0							
50.6	51.4	Massive Sulfides		52.3	8.3	3820	71200	2350	18.94	477
51.4	52.3	Semi Massive Sulfides								
52.3	58.2	Felsic Volcanic								
58.2	69.5	Mafic Volcanic/Intrusive								
69.5	78.9	Felsic Volcanic								
78.9	103.0	Mafic Volcanic/Intrusive								
103.0	107.2	Felsic to Intermediate Volcanic								
107.2	140.6	Mafic Volcanic/Intrusive								
140.6	181.3	Mafic Intrusive								
181.3	191.9	Felsic Volcanics								
191.9	201.0	Mafic Intrusive								
201.0		End of Hole								

COMMENTS

Diamond Drill Log

Property: Halfmoon | Hole Number: PAL-HM98-19 | Claim Number: 1190197

Location: 10150N/5400E | Final Depth: 201.0 meters | Logged By: Robert Calhoun

Azimuth: 206 G.S | Dates Drilled: July 17-19 1998 | Drilled By: Colbert Drilling

Dip: -50° | Dates Logged: July 18-20 1998 | Signature: 

				Assays								
From	To	Description	Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
0	16.0	Overburden									
16.0	41.7	Mafic Volcanic -fine grained, dark green, soft, locally sericitic, chloritic foliated weakly to moderately at 46° to core axis. The unit is locally amygduloidal. Possible pillows marked by chlorite selvages?									
41.7	44.0	Mafic Volcanic -unit is similar to above but there is an increase in dark green to blackish chlorite. There are bands of massive pyrite up to 2 cm ~5% of the unit possible. Minor **sphalerite**.	24963 24964	41.7 43.0	43.0 44.0	1.3 1.0	152 50	490 3700	41 788	1.1 1.1	62 58
44.0	46.2	Mafic Volcanic (maybe altered felsic) -as above but more altered than previous with dark green to blackish chlorite, sericite carbonate pale green. There are layers of semi-massive pyrite and **sphalerite** up to 15cm. These layers are thinly laminated at 49° to core axis. The **sphalerite** is 1-2%, very locally. The layering is parallel to foliations. Limonite towards end of section.	24965 24966	44.0 45.2	45.2 46.2	1.2 1.0	2790 2670	14200 25400	2410 270	7.8 10.9	194 117
46.2	50.6	Massive Sulfides -fine grained, thinly laminated pyrite, **sphalerite** and local **chalcopyrite**. **Sphalerite** is up to 15% locally to 48.9. Pyrite becomes coarse grained at 48.5-48.9 and fine to									

Diamond Drill Log

Hole # HM98-19

			Assays								
From	To	Description	Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
		medium grained to 50.6 46.2-48.9									
		-pyrite fine to locally medium grained hosting 15% **sphalerite**. Locally 47.2-47.4 1% **chalcopyrite**. 48.9-50.6	24967 24968	46.2 47.2	47.2 48.2	1.0 1.0	9940 7960	214200 166400	4600 6750	50.1 38.5	741.0 785.0
		-medium to locally coarse pyrite with 1-3% **sphalerite** as fine laminae.	24969 24970	48.2 49.2	49.2 50.6	1.0 1.4	3260 1550	68500 47800	201 1650	19.4 14.1	648 706
50.6	51.4	Semi Massive to Massive Sulfides -**Pyrite 70-95%** as medium grained laminated interbedded with chloritic and sericitic carbonate layers. Minor **sphalerite**.	24971	50.6	51.4	0.8	1210	18400	2850	6.0	384
51.4	52.3	Mafic Volcanic -as unit above massive sulfide but with **20-25%** medium grained **pyrite** nil to trace **sphalerite**. Chlorite bands dark green to blackish.	24972	51.4	52.3	0.9	1540	20100	231	4.9	158
52.3	58.2	Felsic Volcanic -fine to medium grained, medium grey to grey green well foliated felsic pyroclastic with elongated blebs of chlorite on foliation. Unit is locally siliceous sericitic and weakly chloritic. Nil to trace pyrite.									
58.2	69.5	Mafic Volcanic/Intrusive -medium grained, medium green to light apple green in epidotized sections. Epidote fracture controlled at 60°, 30° and locally pervasive over 5-10cm. Calcite as small discontinuous veinlets white <2mm in width. Minor pyrite as small cubes. Small white flecks possible leucoxene. Unit has fine grained upper contact are to 59.5. Lower contact at 35° to core axis.									
69.5	78.9	Felsic Volcanic -fine to medium grained, dark grey to medium grey down section, chloritic to sericitic pyroclastic. Unit is fine grained siliceous to 70.7, become less siliceous, more foliated at 55° to core axis, granular with fragments of the same composition and elongated clots of chlorite. Nil to trace sulfides.									

Diamond Drill Log

Hole # HM98-19

From	To	Description	Assays								
			Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
		Lower contact 49° to core axis.									
78.9	103.0	Mafic Volcanic/Intrusive -fine grained to medium grained, medium green to apple green in epidotized sections, unit as above. Whitish green flecks <1mm in size abundant. Upper contact to 79.3 is fine grained, has 4mm wide pyrite vein (79.1) and remainder of unit has occasional large (up to 0.8cm) pyrite cubes. Unit becomes finer at 97.8 more massive in appearance local quartz veins with clots of dark green chlorite. The unit has fracture controlled epidote and <10cm pervasive epidote, occurring randomly and infrequently. End of unit fine grained and white flecks are absent.									
103.0	107.2	Felsic to Intermediate Volcanic -fine grained, medium grey to grey green becoming increasingly green to dark green down section. The unit is soft alternating with siliceous layers are bands, at the cm scale. Upper part of unit is weakly sericitic while the lower part is moderately chloritic. Upper contact 63° to core axis, lower contact at 54°. Unit has calcite in matrix and as small <5mm veinlets.									
107.2	140.6	Mafic Volcanic/Intrusive -fine to medium grained, medium green to apple green in epidote rich section. Unit is as above with white flecks, fracture controlled epidote, less pervasive section. The unit is fine grained near upper contact to 108.5 and at 114.0-114.8 above a small felsic unit and below the felsic from 115.8-116.2. There are local finer section intervals which have no associated unit contact as at 124.8-126.3. 114.6-115.8 Felsic Volcanic-fine grained, medium to dark grey green, chloritic as foliation related clots, elongated. Unit is weakly to moderately siliceous over 1-2cm as in felsic above. Upper contact 43° to core axis, lower									

Diamond Drill Log

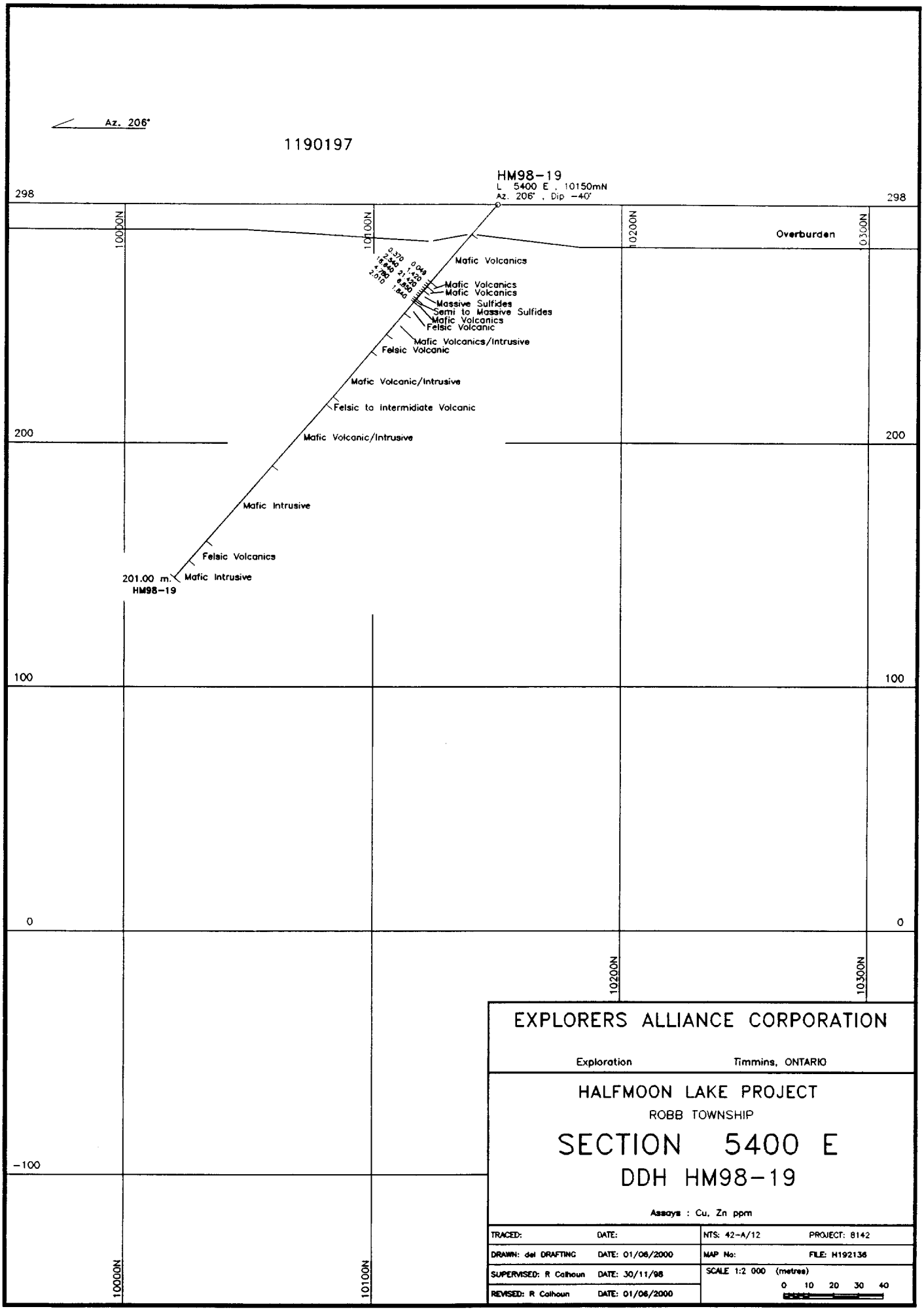
Hole # HM98-19

From	To	Description	Assays								
			Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
		contact at 40° to core axis. 125.4-129.4 -finer grained light to medium green with 5-10% white quartz veins, chlorite knots. 140.1-140.6 -fine grained pale green weakly foliated contact zone.									
140.6	181.3	Mafic Intrusive -Unit begins with a fine grained, dark green chloritic contact area to 141.4 with 5% white quartz and 1-2% pyrite as a concentration of large clusters of fine grains at 141.3. Section is broken, minor crushing. -fine to medium grained, medium grey to grey green weakly chloritic generally. Unit is amygduloidal with amygdules to 4mm; 2mm average. These contain feldspar with chlorite centers occasionally, **sphalerite** frequently and lesser **chalcopyrite**. The unit has abundant healed fracture, spider fractures with calcite ± sericite fillings, dominant directions are 30 and 55° to core axis. Locally there are pale green up to 15cm bands of increased alteration or possible large fragments? Which can have minor associated **chalcopyrite** as at 159.5m. **Chalcopyrite** also occurs in a quartz vein at 163.3m. 177.1-181.3 Mixed Zone of mafic interbedded/interfingered with felsic as below.									
181.3	191.9	Felsic Volcanics -fine grained, medium grey, possibly **sphalerite** rhyolite, siliceous with patchy light grey to beige sericite/calcite alteration. Sphenroles are grey to dark grey. Unit is massive in nature, no foliation.									
191.9	201.0	Mafic Intrusive -fine grained contact zone to 194.0, medium grained light to medium grey green to medium green. Unit is similar to above but has no amygdules, weak epidote locally. Contact area has abundant calcite at 193.5 to 193.9 and remainder of unit has numerous quartz and									

Diamond Drill Log

Hole # HM98-19

			Assays								
From	To	Description	Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
		quartz calcite veins to 5cm. Contact area also has abundant chlorite knots.									
	201.0	End Of Hole									
		Acid Tests									
		100m -49° 200m -49°									



EXPLORERS ALLIANCE CORPORATION

Exploration Timmins, ONTARIO

HALFMOON LAKE PROJECT

ROBB TOWNSHIP

SECTION 5400 E

DDH HM98-19

Assays : Cu, Zn ppm

TRACED:	DATE:	NTS: 42-A/12	PROJECT: 8142
DRAWN: del DRAFTING	DATE: 01/06/2000	MAP No:	FILE: H192136
SUPERVISED: R Calhoun	DATE: 30/11/98	SCALE 1:2 000 (metres)	
REVISED: R Calhoun	DATE: 01/06/2000	0 10 20 30 40	

DIAMOND DRILL CORE LOG-SUMMARY SHEET

Project: Halfmoon
Date: July 23, 1998
Logged by: Robert Calhoun
Drilling Co: Colbert Drilling

DDH: HM98-21

Claim Number: 1190197

COLLAR LOCATION: 10200N/5400E

SURVEYS: Acid Test

	Depth	Azimuth	Dip
Setup:	0.0	206°	-50°
	153.0m		-45°

TIMMINS COORDINATES	GRID COORDINATES
Northing:	10200N
Easting	5400E
Elevation: 0.0	
TD: 153.0 meters	

DRILLING DATES
Started: July 23, 1998
Finished: July 24, 1998

42A12SE2014 2.20379 ROBB 020

DIAMOND DRILL SUMMARY LOG

Project: Halfmoon
Date: July 23 to 24 1998
Logged By: Robert Calhoun

DDH: HM98-21

GEOLOGIC SUMMARY

FROM	TO	DESCRIPTION	INTERVAL			SIGNIFICANT ASSAY AVERAGES				
(m)	(m)		From (m)	To (m)	Width (m)	Cu ppm	Zn ppm	Pb ppm	Ag g/t	Au ppb
0.0	18.2	Overburden								
18.2	25.5	Mafic Volcanic								
25.5	28.3	Mafic Intrusive								
28.3	32.9	Felsic Volcanic								
32.9	36.2	Mafic Volcanic								
36.2	53.2	Mafic Intrusive								
53.2	88.5	Mafic Volcanic								
88.2	105.0	Mafic Volcanic								
105.0	110.3	Felsic Volcanic								
110.3	117.2	Felsic Volcanic	112.0	112.5	0.5	7900	8320	138	5.1	55
117.2	121.5	Mafic Volcanic								
121.5	149.9	Mafic Intrusive								
149.9	153.0	Felsic Volcanic								
153.0										

COMMENTS

Diamond Drill Log

Property: Halfmoon

Location: 10200N/5400E

Azimuth: 206°

Dip: -50°

Hole Number: PAL-HM98-21

Final Depth: 153.0 meters

Dates Drilled: July 23-24 1998

Dates Logged: July 24-26 1998

Claim Number: 1190197

Logged By: Robert Calhoun

Drilled By: Colbert Drilling

Signature:

From	To	Description	Assays								
			Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
0	18.2	Overburden									
18.2	25.5	Mafic Volcanic -fine grained, medium grey green to dark green chloritic, epidote as nodules and locally pervasive over 3-5cm. Unit is chloritic overall but 3-5cm patches are very chloritic. Pyrite is as medium to coarse clusters locally associated with epidote, fine laminae or small discontinuous veinlets. Unit is crushed/broken over 0.3-0.6m									
25.5	28.3	Mafic Intrusive -medium grained, dark green matrix to epidote green near epidote fractures and 5-10cm pervasive epidote. White flecks make up 10-20% of the unit possible flattened veiscles.									
28.3	32.9	Felsic Volcanic -fine to medium grained, grey green weakly siliceous with elongated chlorite on foliation. Unit is granular in nature. Nil to trace pyrite as fine laminae in small quartz vein at 30.2 and very minor disseminations. Quartz veining is minor three veins <2cm in width.									
32.9	36.2	Mafic Volcanic -fine grained, dark green chloritic as above but no epidote. Chlorite is abundant and minor sericite. Pyrite trace to									

Diamond Drill Log

Hole # PAL-HM98-21

From	To	Description	Assays								
			Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
		<1% as clusters and disseminated cubes. Unit is broken to locally crushed.									
36.2	53.2	Mafic Intrusive -medium to fine grained, dark green to locally pale apple green overcast with epidote as at 48.5. Unit has abundant white flecks possible vesicles and leucoxene. White flecks are <1mm in size and make up ~20% of the unit. Upper contact is at 51° to core axis, lower defined by quartz vein 53° to core axis. 41.3-43.2 -fine grained mafic volcanic as above chloritic upper contact 47° to core axis. Fault gouge at 41.4 to 41.5. Unit broken to 42.0m. 51.5-53.2 -unit becomes finer grained, pale green epidote more abundant fracture associated and pervasive in matrix.									
53.2	88.5	Mafic Volcanic -fine grained, dark green to lighter green locally (noted below). Chloritic in matrix and as abundant chlorite patches. Upper contact is a quartz vein 15cm long with chlorite, unit is pale to medium green to 54.7m with epidote patches and minor pyrite near quartz vein. 60.3-62.0 -pyrite rich section with 3-8% pyrite as fine dissemination in chloritic matrix to 61.1m and as clusters, disseminations and discontinuous laminae to veinlet to 62.0m. This section is weakly sericitic. One coarse veinlet occurs at 61.9-61.93 (**90% pyrite**) No **sphalerite** or **chalcopyrite** was noted. 63.8-66.0 -pyrite zone-5-10% pyrite as disseminated cubes, small veinlets, fine laminae and knots. The pyrite is darker coloured in this section. Host rocks are variable dark green chloritic to pale green to nearly laminated in nature. As above, no base metal sulfides were noted. Section has calcite veinlets, minor, and small quartz veins.									

Diamond Drill Log

Hole # PAL-HM98-21

From	To	Description	Assays								
			Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
		69.5-73.0 -pale to medium green, fine grained sericitic/chloritic mafic, soft, 1-2% quartz veinlets <0.5cm. Pyrite 5-10% as fine laminae narrow veinlets of cubes/clusters and disseminations. As on previous sections above no base metal sulfides were noted. Host rock is well altered. 74.2-74.3 -10cm quartz vein, white, 80° to core axis with 4% **chalcopyrite** and 5-8% pyrite, minor **sphalerite**. 85.9-87.3 -15-20% white quartz vein. 87.3-88.2 -fractured/broken core (fault?)								
88.2	105.0	Mafic Volcanic -fine grained, dark green to medium green grey, chloritic, locally sericitic. Unit may be pillowed with chlorite defining pillows as well as amygdules which appear to be concentrated towards pillow rims. Amygdules are carbonate filled, locally silica filled and minor chlorite fillings. Alteration patches appear as fragments but composition appears to be a host. Unit is well altered and as above has a soapy (ultramafic) feel.									
105.0	110.3	Felsic Volcanic ? -fine grained, light grey green matrix hosting fragments or lapilli of rhyolitic composition light grey yellow to beige in colour. These are up to 1cm by 2cm. Matrix is sericitic to locally chloritic. The unit also contains elongated nodules calcite to calcite/sericite fillings. This unit may be mafic but alteration suggests felsic.									
110.3	117.2	Felsic Volcanic -fine grained, upper section of unit is dark green chloritic and sericitic with bands of massive to semi-massive sulfides. The lower section from 114.8-117.2 is grey to grey yellow sericitized laminated, foliated felsic with disseminated pyrite. 110.3-112.0									

Diamond Drill Log

Hole # PAL-HM98-21

From	To	Description	Assays								
			Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
		-dark green to medium green chloritic sericitic, weakly laminated felsic volcanics.									
		112.0-112.1									
		-massive sulfides-finely grained to medium grained pyrite with 3-5% sphalerite and 1-2% chalcopyrite.									
		112.1-113.3	24973	112.0	112.5	0.5	7900	8320	138	5.1	55
		-sericitized chloritized felsics foliated, laminated at 54° to core axis.	24974	112.5	113.3	0.8	40	576	1	0.1	7
		113.3-114.8	24975	113.3	114.7	1.4	745	1410	113	3.2	17
		-section begins with a 5cm band of massive pyrite with minor **sphalerite** and has three 3-5cm bands of massive pyrite to the end.									
		114.8-116.8									
		-sericitized foliated felsic minor pyrite disseminations. Section has 15cm quartz, white, at the upper contact, 10cm white quartz at 115.6 and a vein sub parallel to core axis at 115.8, 1cm wide.									
117.2	121.5	Mafic Volcanic -fine grained, medium to dark green, weakly foliated, laminated, minor sericite. The unit contains minor leucoxene bearing sections <2cm in width, may be a pillowed mafic. Pyrite 1-2% as disseminations and fine laminae.									
121.5	149.9	Mafic Intrusive -medium grained, medium green to apple green with epidote as fracture fillings and locally (2-5cm) pervasive. Internal contacts are fine grained dark to medium green grey 65° to core axis. Unit contains abundant white flecks <1mm in size and minor white to grey glassy quartz veins, infrequent.									
149.9	153.0	Felsic Volcanic -fine grained, medium grey, weakly to moderately foliated with sericite. The upper contact is at 60° to core axis. The contact to 150.0m is medium grey, hard siliceous very fine grained, possibly (baked?)									
	153.0	End of Hole Acid Test 153.0m -45°									

DIAMOND DRILL CORE LOG-SUMMARY SHEET

Project: Halfmoon Lake
Date: May 19-21, 1999
Logged by: Robert Calhoun
Drilling Co: Colbert Drilling

DDH: PAL-HM98-21-Ext

Claim Number: 1190197

COLLAR LOCATION: L10200N/5400E

SURVEYS: None

	Depth	Azimuth	Dip
Setup:	0.0	206°	-50°

TIMMINS COORDINATES	GRID COORDINATES
Northing:	10200N
Easting	5400E
Elevation: 0.0 meters	
TD: 210.0meters	

DRILLING DATES
Started: May 19, 1999
Finished: May 21, 1999

030

DIAMOND DRILL SUMMARY LOG

Project: Halfmoon Lake
Date: May 19,1999
Logged By: R. Calhoun

DDH: PAL-HM98-21-Ext

GEOLOGIC SUMMARY

FROM	TO	DESCRIPTION	INTERVAL			SIGNIFICANT ASSAY AVERAGES				
(m)	(m)		From (m)	To (m)	Width (m)	Cu ppm	Zn ppm	Pb ppm	Ag g/t	Au ppb
153.0	165.4	Felsic Volcanic-Tuff								
165.4	169.8	Rhyolite								
169.8	172.9	Mafic Volcanic								
172.9	185.7	Felsic Volcanic-Rhyolite-Tuff								
185.7	192.5	Mafic Intrusive to volcanic								
192.5	210.0	Mafic Volcanic(?)								
210.0		End of Hole								

COMMENTS

Diamond Drill Log

Property: Halfmoon

Location: L10200N/5400E

Azimuth: 206°

Dip: -45°

Hole Number: PAL-HM98-21-ext

Final Depth: 210 meters

Dates Drilled: May 19-21, 1999

Dates Logged: May 20-21, 1999

Claim Number: 1190197

Logged By: Robert Calhoun

Drilled By: Colbert Drilling

Signature: 

From	To	Description	Assays								
			Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
153.0	165.4	Felsic Volcanic-Tuff -fine to medium grained, medium grey to medium grey green down section due to increase in chlorite content to local patches. Sericite also is on laminations at 54° to core axis. Possibly fragmental in upper 6-8 meters. Unit is siliceous in last meter with 40cm mafic unit at 164.6-165.0m, fine grained medium green.									
165.4	169.8	Rhyolite -fine grained, light to medium grey siliceous "layered" with highly sericitic sections 5-10cm in length. Minor grey to dark grey quartz veins. Contact with following unit is 57° to core axis.									
169.8	172.9	Mafic Volcanic -fine grained, medium green, soft chloritic volcanic. Numerous calcite veinlets locally associated with epidote. Minor quartz veinlets.									
172.9	185.7	Felsic Volcanic-Rhyolite-Tuff -fine grained, medium grey siliceous layers with sericite layers increasing in abundance down hole. Locally the sericite layers totally replace the felsic to be nearly pure sericite i.e. 180.4 to 182.5m. Rock in this section is yellow green. The lower part of unit appears more tuffaceous in nature with a granular appearance. Chlorite is more									

Diamond Drill Log

Hole # PAL-HM98-21-ext

From	To	Description	Assays								
			Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
		prevalent in last 2 meters. Contact with following unit is at 56° to core axis.									
185.7	192.5	Mafic Intrusive to Volcanic -fine to medium grained, dark green to medium green to green grey. Unit has abundant white flecks. Calcite fracture filling increases down section at various angles dominated by 60° angle, calcite occurs weakly in the matrix. Veinlets are <5mm wide occasionally discontinuous. Sulfides are nil to trace may be few grains of sphalerite <1mm in size.									
192.5	210.0	Mafic Volcanic ? -(this unit may be finer grained equivalent of above) -fine grained to medium grained, medium to dark green with patches of light to medium green, possibly weakly sericitic. Unit is weakly siliceous may be an intermediate volcanic. Unit is chloritic and becomes spotted 204.0-210.0m with dark green chlorite spots to 5mm in size. Amygdules of feldspar occur randomly below 198.0 meters over sections up to 1m, 2-3mm maximum in size. 194.2-194.6-mineralized section with 20cm white quartz vein. Section has 1% sphalerite, 1% chalcopyrite, <1% galena with 10-15% pyrite.	1853	194.2	194.6	0.4	1050	2310	1430	2.8	12
	210.0	End Of Hole									

Diamond Drill Log

Property: Halfmoon | Hole Number: PAL-HM98-21ext2 | Claim Number: 1190197

Location: L5400E/10200N | Final Depth: 243.0 meters | Logged By: Robert Calhoun

Azimuth: 206° | Dates Drilled: November 17-19, 1999 | Drilled By: Colbert Drilling

Dip: -50° | Dates Logged: November 18-19,1999 | Signature: _____

							Assays				
From	To	Description	Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
210.0	225.8	Mafic Intrusive -medium to fine grained, medium grey green to locally pale (bleached) green grey. The upper section of unit has coarse chlorite spots and minor feldspar phenocrysts, local alteration to beige around some veins. The remainder of unit has only random phenocrysts, is locally chloritized dark green, minor quartz veining. Unit is magnetic, weakly to moderately.									
225.8	243.0	Intermediate Intrusive -fine grained, light to medium green grey, matrix hosting feldspar phenocrysts to 3mm sub-rounded. These phenocrysts appear to be in preferential "layers". There are local 10-20cm sections which are chloritized dark green. This unit may be a thick flow?. Epidote occurs in quartz and/or carbonate veining. There are minor chloritic patches which may be selvages but are probably chloritization around fractures. Minor zone of healed breccia at 235.1m.									
	243.0	End Of Hole									

DIAMOND DRILL CORE LOG-SUMMARY SHEET

Project: Halfmoon
Date: November 17-19, 1999
Logged by: Robert Calhoun
Drilling Co: Colbert Drilling

DDH: PAL-HM98-21ext2

Claim Number: 1190197

COLLAR LOCATION: L5400E/10200N

SURVEYS:

	Depth	Azimuth	Dip
Setup:	0.0	206°	-50°

TIMMINS COORDINATES

Northing:
Easting
Elevation: 0.0 meters
TD: 243.0 meters

GRID COORDINATES

10200N
5400E

DRILLING DATES
Started: November 17, 1999
Finished: November 19, 1999

DIAMOND DRILL SUMMARY LOG

Project: Halfmoon
Date: November 17-19, 1999
Logged By: R. F. Calhoun

DDH: PAL-HM98-21ext2

GEOLOGIC SUMMARY

FROM	TO	DESCRIPTION	INTERVAL			SIGNIFICANT ASSAY AVERAGES				
(m)	(m)		From (m)	To (m)	Width (m)	Cu ppm	Zn ppm	Pb ppm	Ag g/t	Au ppb
210.0	225.8	Mafic Intrusive								
225.8	243.0	Intermediate Intrusive								
	243.0	End of Hole								

COMMENTS

Diamond Drill Log

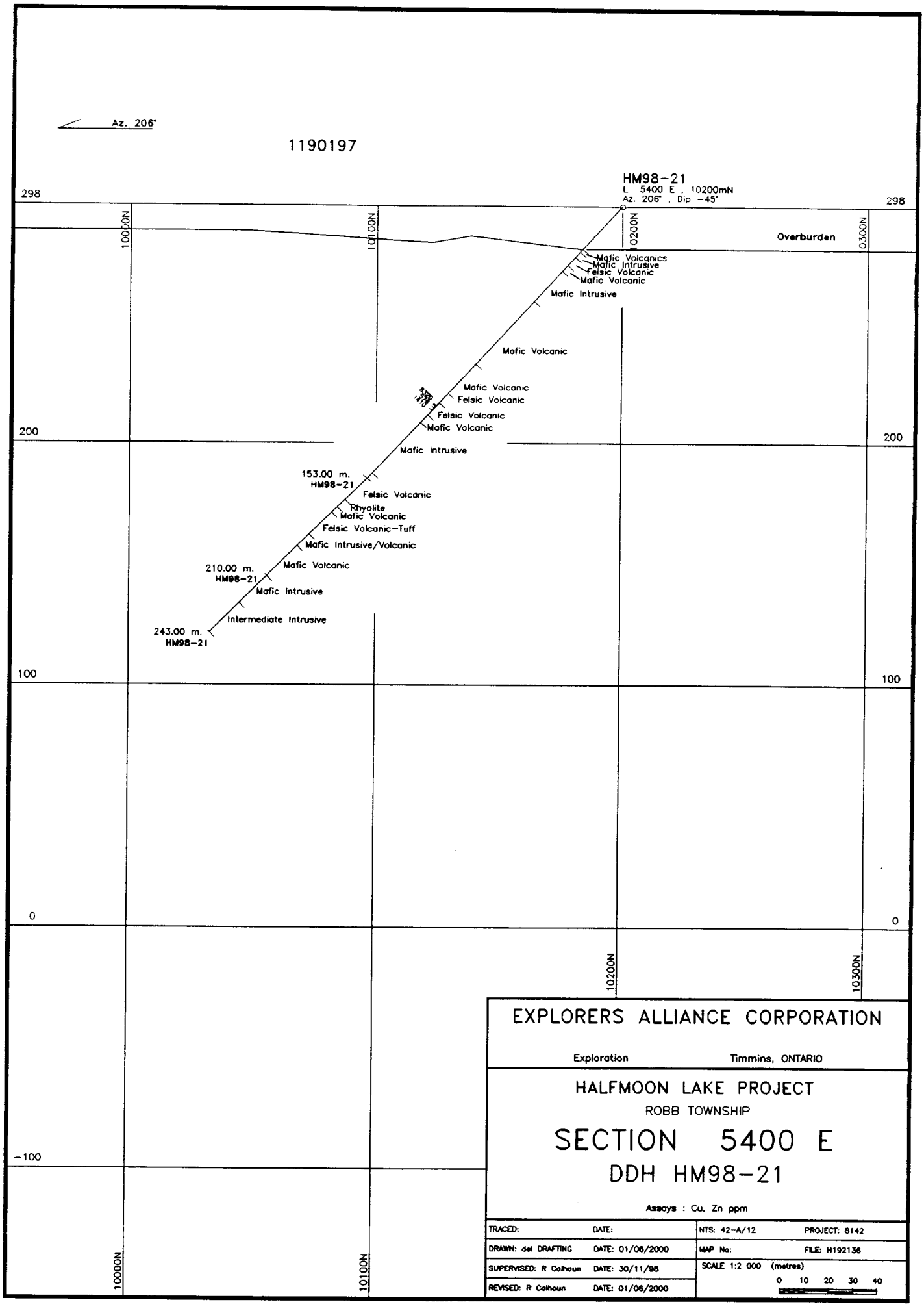
Property: Halfmoon | Hole Number: PAL-HM98-21ext2 | Claim Number: 1190197

Location: L5400E/10200N | Final Depth: 243.0 meters | Logged By: Robert Calhoun

Azimuth: 206° | Dates Drilled: November 17-19, 1999 | Drilled By: Colbert Drilling

Dip: -50° | Dates Logged: November 18-19,1999 | Signature:

From	To	Description	Sample #	Assays From	Assays To	Assays Length (meter)	Assays Cu ppm	Assays Zn ppm	Assays Pb ppm	Assays Ag g/ton	Assays Au ppb
210.0	225.8	Mafic Intrusive -medium to fine grained, medium grey green to locally pale (bleached) green grey. The upper section of unit has coarse chlorite spots and minor feldspar phenocrysts, local alteration to beige around some veins. The remainder of unit has only random phenocrysts, is locally chloritized dark green, minor quartz veining. Unit is magnetic, weakly to moderately.									
225.8	243.0	Intermediate Intrusive -fine grained, light to medium green grey, matrix hosting feldspar phenocrysts to 3mm sub-rounded. These phenocrysts appear to be in preferential "layers". There are local 10-20cm sections which are chloritized dark green. This unit may be a thick flow?. Epidote occurs in quartz and/or carbonate veining. There are minor chloritic patches which may be selvages but are probably chloritization around fractures. Minor zone of healed breccia at 235.1m.									
	243.0	End Of Hole									


Az. 206°
1190197
HM98-21
L 5400 E , 10200mN
Az. 206° , Dip -45°
298
200
100
0
-100
10000N
10100N
10200N
10300N
Overburden
Mafic Volcanics
Mafic Intrusive
Felsic Volcanic
Mafic Volcanic
Mafic Intrusive
Mafic Volcanic
Mafic Volcanic
Felsic Volcanic
Felsic Volcanic
Mafic Volcanic
Mafic Intrusive
153.00 m.
HM98-21
Felsic Volcanic
Rhyolite
Mafic Volcanic
Felsic Volcanic-Tuff
Mafic Intrusive/Volcanic
210.00 m.
HM98-21
Mafic Volcanic
Mafic Intrusive
Intermediate Intrusive
243.00 m.
HM98-21
EXPLORERS ALLIANCE CORPORATION
Exploration
Timmins, ONTARIO
HALFMOON LAKE PROJECT
ROBB TOWNSHIP
SECTION 5400 E
DDH HM98-21
Assays : Cu, Zn ppm
TRACED:
DATE:
NTS: 42-A/12
PROJECT: 8142
DRAWN: del DRAFTING
DATE: 01/06/2000
MAP No:
FILE: H192136
SUPERVISED: R Calhoun
DATE: 30/11/98
SCALE 1:2 000 (metres)
REVISED: R Calhoun
DATE: 01/06/2000
0 10 20 30 40

DIAMOND DRILL CORE LOG-SUMMARY SHEET

Project: Halfmoon
Date: July 25. 1998; October 23. 1998
Logged by: Robert Calhoun
Drilling Co: Colbert Drilling

DDH HM98-22

Claim Number: 1190194

COLLAR LOCATION: 10280N/5320E

SURVEYS: Acid Test

	Depth	Azimuth	Dip
Setup:	0.0	216°	-70°
	100.0m		-68°
	200.0m		-68°
	300.0m		-67°
	400.0m		-64°

TIMMINS COORDINATES

GRID COORDINATES

Northing: 10280N
Easting 5320E
Elevation: 298
TD: 330.0 meters extended to 480m

DRILLING DATES
Started: July 25. 1998, October 23, 1998
Finished July 28. 1998; October 29. 1998

42A12SE2014 2.20379 ROBB

050

DIAMOND DRILL SUMMARY LOG

Project: Halfmoon
Date: July 25 to 28 1998
Logged By: Robert Calhoun

DDH HM98-22

GEOLOGIC SUMMARY

FROM	TO	DESCRIPTION	INTERVAL			SIGNIFICANT ASSAY AVERAGES				
(m)	(m)		From (m)	To (m)	Width (m)	Cu ppm	Zn ppm	Pb ppm	Ag g/t	Au ppb
0.0	12.2	Overburden								
12.2	20.9	Mafic Volcanic								
20.9	55.0	Mafic Intrusive								
55.0	78.0	Mafic Volcanic								
78.0	96.7	Mafic Intrusive								
96.7	109.5	Felsic Volcanic								
109.5	124.1	Mafic Intrusive								
124.1	135.5	Felsic Volcanic								
135.5	138.8	Felsic Volcanic								
138.8	139.9	Felsic Volcanic								
139.9	141.5	Felsic Volcanic								
141.5	147.0	Felsic Volcanic								
147.0	159.0	Felsic Volcanic								
159.0	166.5	Felsic Volcanic								
166.5	192.5	Mafic Volcanic								
192.5	243.7	Mafic Volcanic								
243.7	265.3	Felsic Volcanic								
265.3	287.5	Mafic Intrusive								
287.5	314.3	Mafic Volcanic								
314.3	330.0	Mafic Intrusive								
330.0	348.6	Mafic Intrusive								
348.6	364.0	Mafic Volcanic								
364.0	378.0	Mafic Volcanic								
378.0	394.9	Mafic Volcanic								
394.9	398.4	Mafic Fragmental-Breccia								
398.4	412.7	Mafic Volcanic								

DIAMOND DRILL SUMMARY LOG

DIAMOND DRILL SUMMARY LOG

Project: Halfmoon
Date: July 25 to 28 1998
Logged By: Robert Calhoun

DDH HM98-22

GEOLOGIC SUMMARY

FROM	TO	DESCRIPTION	INTERVAL			SIGNIFICANT ASSAY AVERAGES				
(m)	(m)		From (m)	To (m)	Width (m)	Cu ppm	Zn ppm	Pb ppm	Ag g/t	Au ppb
412.7	414.7	Mafic Fragmental-Breccia								
414.7	428.9	Felsic Volcanic								
428.9	480.0	Mafic Volcanic								
	480.0	End of Hole								

COMMENTS	Extension to hole HM98-22 started at 330.0 meters and finished at 480.0 meters

Diamond Drill Log

Property: Halfmoon | Hole Number: PAL-HM98-22 | Claim Number: 1190194

Location: 10280N/5320E | Final Depth: 330.0 meters | Logged By: Robert Calhoun

Azimuth: 216° | Dates Drilled: July 25-28 1998 | Drilled By: Colbert Drilling

Dip: -70° | Dates Logged: July 26-29 1998 | Signature:

							Assays				
From	To	Description	Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
0	12.2	Overburden									
12.2	20.9	Mafic Volcanic -fine grained, medium grey green sericitized, chloritic. Unit is broken, fractured with fractures sub-parallel to core axis, as the foliation, 23°. Unit is locally amygduloidal. Lower contact 23° to core axis.									
20.9	55.0	Mafic Intrusive -medium grained, medium green, green grey to apple green in epidote sections. The unit is epidotized along fractures and locally pervasive over 5cm around fractures. Unit contains white flecks locally abundant. Zenoliths of mafic volcanic are infrequent and generally <5cm wide. Quartz veining is 5% of unit between 33 and 45m with one vein semi-continuous from 41.1-42.2. Veins are white, barren. Unit becomes finer grained from 51.8-55.0m. Lower contact 15° to core axis.									
55.0	78.0	Mafic Volcanic -fine to medium grained, medium green to green grey, massive, leucoxene bearing may be a finer grained equivalent of the above and following unit. Foliations are weak 24° and locally 38° to core axis. Pyrite is infrequent cubes to 0.4cm. Quartz veining is minor. Lower contact gradational fine grained lighter green.									

Diamond Drill Log

Hole # PAL-HM98-22

			Assays								
From	To	Description	Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
78.0	96.7	Mafic Intrusive -medium grained, dark green to apple green with epidote. Upper contact area from 78.0-79.6 is fine grained gradational as noted above. Remainder of unit is medium grained with epidotized fracture fillings and minor pervasive epidote. Fractures are 55°, 30° and sub parallel to core axis. Unit has white flecks <1mm in size, locally abundant. Zenoliths of finer grained possible mafic volcanic noted at 83.3m; with main unit finer grained below it. Quartz veining is minor. One quartz vein at 87.0m 10cm has associated tourmaline.									
96.7	109.5	Felsic Volcanic -fine grained, mottled dark green and greyish giving a laminated appearance over 1-2m. Unit has dark green to blackish chlorite in the upper portion of unit and increased sericite below 104.5. Foliation 33° to core axis. Fragments of similar composition may be present in "laminated" sections. Lower contact 30° to core axis.									
109.5	124.1	Mafic Intrusive -medium grained, medium dark green relatively massive with weak foliation. Unit is similar to 55.0-78.0m. Quartz veining is <5% as up to 10cm veins (1), white 60° to core axis. Veining is more abundant from 120.0-124.1m. Calcite veining is as small veinlets <0.3mm at 65° and 30° to core axis. Pyrite as infrequent clusters to 0.5cm and minor disseminations.									
124.1	135.5	Felsic Volcanic -fine grained, medium grey green to dark green chlorite. Unit is well foliated at 26° to core axis. Sericite is abundant while chlorite is more restricted to patches or clots, irregularly shaped. Quartz veining is minor.									
135.5	138.8	Felsic Volcanic -as above but chlorite is dominant making unit dark									

Diamond Drill Log

Hole # PAL-HM98-22

			Assays								
From	To	Description	Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
		green soft. Quartz veining is again minor.									
138.8	139.9	Felsic Volcanic -as above, chloritic. Pyrite fine grained disseminations and fine laminae 10-15%.	24976	138.8	139.9	1.1	32	58	1	0.1	9
139.9	141.5	Felsic Volcanic -sericitized and chloritized with pyrite 25-40% as clusters, disseminations and semi-massive layers. No base metal sulfides noted.									
141.5	147.0	Felsic Volcanic -sericitized, local chlorite with minor pyrite. Foliations 26° to core axis.	24977 24978	139.9 140.7	140.7 141.8	0.8 1.1	55 60	20 37	3 2	0.1 0.3	26 31
147.0	159.0	Felsic Volcanic -as above but with pyrite 10-20% as veinlets, fine laminae, clusters to 1cm in length and disseminations fine to 0.3mm cubes. Foliations 26° to core axis. Possible flow layering at 154.0 and 158.0m.	24979 24980 24981	149.0 150.0 153.5	150.0 151.5 154.9	1.0 1.5 1.4	359 131 242	64 50 62	9 16 8	0.6 0.6 0.3	22 31 2
159.0	166.5	Felsic Volcanic -fine grained, medium green to dark green, sericitized chloritized as above with minor to 3% pyrite very locally. Foliations 27° to core axis.									
166.5	192.5	Mafic Volcanic -fine grained, medium to dark green, chloritic. Unit is well foliated at 28° to core axis, while possible laminations are at 34° to core axis. Distribution and altitude of dark green to black chlorite gives impression that the unit is pillowed.									
192.5	243.7	Mafic Volcanic -fine grained, medium green chloritic with calcite filled fractures. The unit is variable texturally from massive to amygduloidal. The amygdules are large locally to 0.5cm, epidotized or carbonate filled. Possible lapilli size rounded to sub-rounded fragments occur randomly. Epidote is pervasive over 20-60cm as at									

Diamond Drill Log

Hole # PAL-HM98-22

				Assays								
From	To	Description	Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
		219.2-219.8m. Pyrite is minor as disseminations and local concentrations. Quartz veining is minor as white veins <3cm wide with calcite. As with above unit the chlorite distribution suggests the unit is pillowed. Sections of more abundant fragments may be broken pillows in selvage areas as at 234.9m. 237.0-243.7 -mafic is more massive slightly harder than previous, leucoxene bearing. Fault Zone-236.0-237.3									
243.7	265.3	Felsic Volcanic -fine to medium grained, medium grey to grey green, spherulitic, chloritic. Unit is moderately to weakly foliated at 33° to core axis. Quartz veining is 5% as small veinlets <2cm (1cm average) white at 35 and 70° to core axis. Unit becomes increasingly sericitic below 257.0m. Sulfides mineralization is nil.									
265.3	287.5	Mafic Intrusive -medium grained, medium to dark green chloritic, to locally apple green where epidotized in fractures. Epidote is a minor component. Unit contains abundant white flecks to <2mm in size. 265.3-267.3 -fine grained, possible chilled contact area gradational lower contact. 267.3-269.6 -Pyrite in randomly oriented bands, contorted to 1cm wide as fine grains to small cubes <2mm in size. Minor disseminated **chalcopyrite**. 270.1 -3mm wide veinlet of **chalcopyrite** at 40° to core axis. 270.1-272.3 -minor bands of pyrite as above. 272.3-272.4 -Quartz vein, white with minor carbonate and 1% **chalcopyrite** at upper contact as irregular blebs. Lower contact-white quartz vein 287.1-287.5m.									

Diamond Drill Log

Hole # PAL-HM98-22

			Assays								
From	To	Description	Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
287.5	314.3	Mafic Volcanic -fine grained, dark green chloritic to medium green chloritic/sericitic. Moderately foliated at 28° to core axis. Upper section of unit has 5% white quartz veins to 5cm to 300.5m. Lower contact is at 38° to core axis.									
314.3	330.0	Mafic Intrusive -medium grained, dark green to apple green in epidotized sections. Generally epidote is on fractures but is weakly pervasive in matrix over 1-2m. Unit is more epidotized than above intrusive. Quartz/calcite veinlets <1cm occur through the section <4%. Minor grains of sphalerite at 321.3m associated with small quartz vein.									
330.0	348.6	Mafic Intrusive -fine to medium grained, medium green to apple green with epidote. Epidote occurs as fracture fillings and locally pervasive over 5-10cm. Unit becomes increasing fractured with calcite and/or quartz fillings. Fractures are randomly oriented, abundant 40° but can occur at 60°, 20°, 80° to core axis. 347.8-348.6 -fine grained, green grey, possible chilled margin									
348.6	364.0	Mafic Volcanic -fine grained, medium to dark green, chloritic. Chlorite occurs in matrix and as clots. Unit is medium hard and is less fractured than above. Pyrite is minor and chalcopyrite noted as a cluster of grains at 350.2 associated with a quartz/calcite vein. 348.6-353.0 -possible flow breccia with pale green to grey fragments in a chloritic ground mass, fragments can reach 4cm in length. 353.0-364.0 -dark green to medium green with cluster of pyrite in veinlet at 360.2 (1cm wide)									
364.0	378.0	Mafic Volcanic (possibly highly altered Felsics?) -unit is similar to above but chlorite is very dark green									

Diamond Drill Log

Hole # PAL-HM98-22

			Assays								
From	To	Description	Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
		to black, locally unit appears to be mainly chlorite. The unit is locally amygduloidal with amygdules filled with chlorite, carbonate and possible small quartz filled amygdules. Pyrite content increases in this section as randomly distributed clusters to local concentrations as noted below. 364.2-364.3 -10cm-5-10% pyrite associated with carbonate. Above to contact minor. 364.3-369.0 -amygduloidal section. Chlorite, carbonate amygdules to 0.5cm. 369.0-373.6 -probable flow breccia with pale green variably altered fragments with pyrite as clusters locally appearing like fragments, elongated blebs on foliation and pyrite rims fragments locally. Pyrite can also occur as fine disseminations. Pyrite-5-8%, locally 3-5% overall. Foliation 35° 373.6-375.8 -pyrite generally absent, quartz veinlet to 3cm-<5% of unit. 375.8-378.0 -possible fragmental-sericitic or flow breccia with pale green to grey green fragments locally siliceous. This section contains pyrite as fine veinlets, clusters, disseminations to 10%+ especially to 377.3. The pyrite veinlets are occasionally conductive over 3-5cm. 377.3-378.0 -chalcopyrite as fine disseminations 0 5-1%. Unit ends with a quartz vein 10cm in length									
378.0	394.9	Mafic Volcanic -fine grained, medium to dark green with local clots of blackish chlorite probable local flow structures, amygduloidal sections at 385.4-386.0. Pyrite is generally nil except for 381.9-582.3 where pyrite is 5% as clusters cubes and dissemination between two small quartz veins 2cm in width.									
394.9	398.4	Mafic Fragmental-Breccia									

Diamond Drill Log

Hole # PAL-HM98-22

				Assays							
From	To	Description	Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
		-fine grained, dark green to blackish matrix, chloritic with fragments to 3cm elongated on foliation, pale green, sericitic, weakly to moderately siliceous. Fragments decrease in size down section. Chalcopyrite occurs locally as fine disseminations as at 397.1-397.2 <0.5%. Chalcopyrite contains small pinkish grains which appear like leucoxene but may be small feldspars. 398.0-398.15-(15cm) -chalcopyrite as stringers, disseminations to 3%. Unit ends at quartz vein 2cm wide.									
398.4	412.7	Mafic Volcanic-Intermediate Volcanic -fine grained, medium to locally dark green, chloritic and weakly sericitic. Unit character is different then above in that it becomes more massive in appearance with occasional clots of dark green to black chlorite. Where chlorite exists there are abundant pinkish white grains as noted above. There are 0.5-1.0m sections which have no chlorite clots. 409.3-410.0 -area of chloritic clots with <1% disseminated chalcopyrite. Lower contact 35° to core axis.									
412.7	414.7	Mafic Volcanic-Basal Breccia -fine grained, medium to dark green with blackish matrix hosting pale green sericitic/chloritic weakly to moderately siliceous fragments to 2cm in width. Pyrite in this section is 8-10% with local concentrations to 15%+ upper contact area has abundant carbonate amygdules. Pyrite occurs as semi-massive to massive conductive veinlets, parallel to foliation and as disseminations. Quartz and carbonate veinlet occur towards the top of the sequence									
414.7	420.0	Felsic Volcanic-Fragmental -fine grained, medium grey to green chloritic and sericitic matrix hosting abundant silicified felsic fragments to 1cm and frequent siliceous fragments to									

Diamond Drill Log

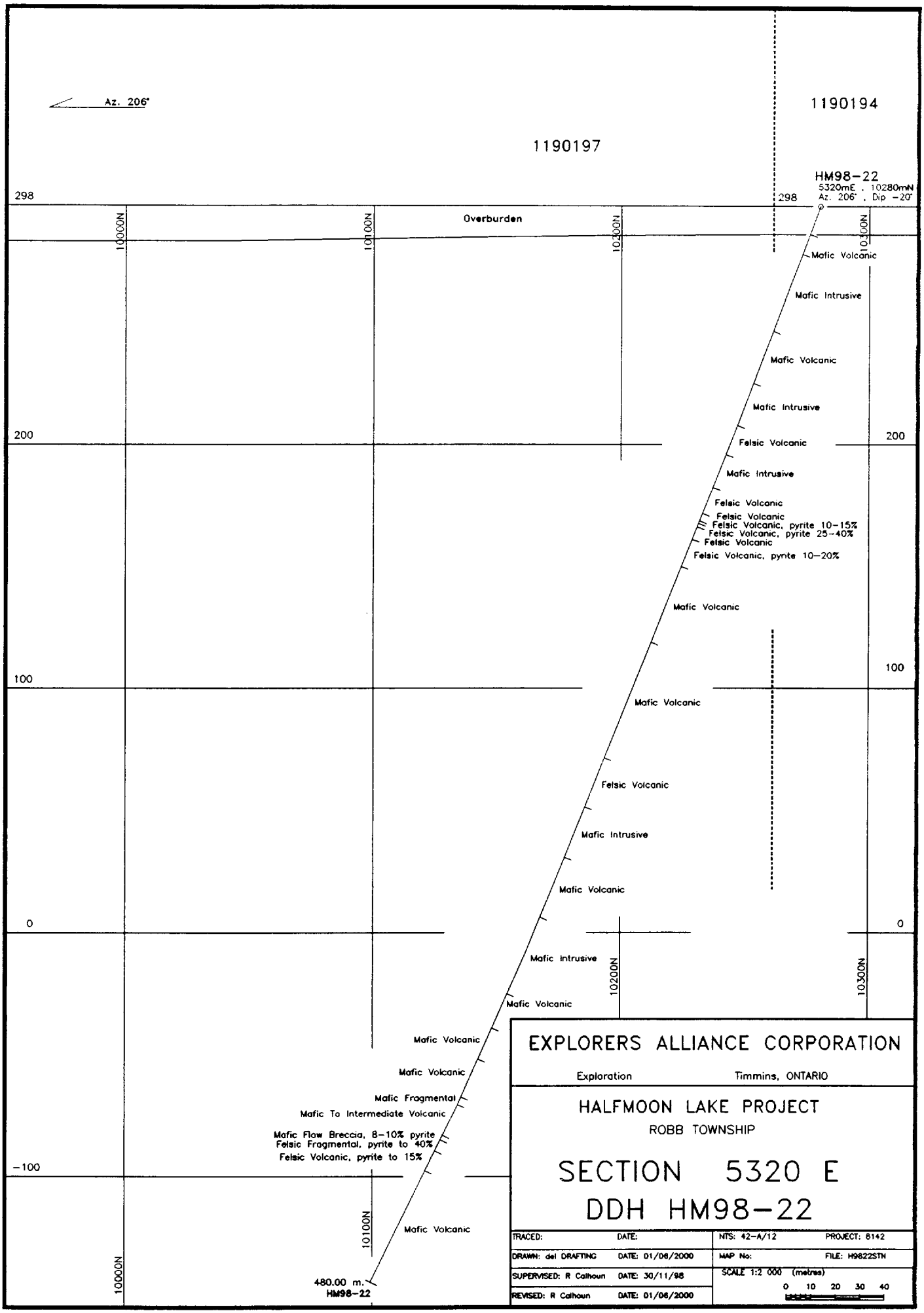
Hole # PAL-HM98-22

From	To	Description	Assays								
			Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
		3cm plus, oriented along foliation at 30° to core axis. Fragmental appearance decreases away from contact in increasing pyrite concentrations.									
		414.3-415.4									
		-abundant fragments 1-3% pyrite as disseminations and discontinuous laminae									
		415.4-418.5									
		-10-15% pyrite as fine disseminations, veinlets of small grains conductive over 5cm and fracture related veins.	1515	415.8	417.0	1.2	98	93	3	0.1	nil
			1516	417.0	418.5	1.5	78	127	2	0.1	nil
		418.5-419.1	1517	418.5	419.1	0.6	110	63	5	0.2	10
		-pyrite 25-40% as semi massive to massive, masses to veins supporting fragments and fracture related massive veinlets. This section is conductive over the length even across fracture in core so sulfides are continuous over 60 cm.									
		419.1-419.9	1518	419.1	419.9	0.8	109	106	1	0.2	5
		-10-15% pyrite as veinlets, fractured controlled and disseminations. Section is not conductive.									
		419.9-428.9	1519	423.8	425.3	1.5	87	115	3	0.1	nil
		-felsics are less fragmental in character and appear to become flow banded. Fragments are still siliceous, grey to grey beige, they are much less frequent and may be autobrecciated with the reappearance of chlorite clots. Sulfides continue to be as disseminations through the unit but concentrations appear to be preferentially associated with the chlorite sections but are not restricted to these areas as evidenced from 426.0-427.0 meters. Overall pyrite content is 5-10% with sections to 15% over 10-20cm. The section mentioned above 426.0-427.0 has 15% plus pyrite as laminae, disseminations and clusters.									
428.9	480.0	Mafic Volcanic									
		-fine grained, medium to dark green to blackish locally essentially chlorite highly altered, possibly fragmented. Unit is not as soft as would be anticipated, locally vesicular to amygduloidal. Contact with upper unit 34° to core axis, minor quartz and/or calcite veinlets. Locally there are light to medium green, siliceous fragments. Minor chalcopyrite, pyrite minor.									
		428.9-437.3									

Diamond Drill Log

Hole # PAL-HM98-22

			Assays								
From	To	Description	Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
		-chlorite rich in clots and pervasive in matrix. Minor chalcopyrite as at 435.9m. Possible pillows. 437.3-445.5 -fine to medium grained, medium green to green grey, massive in appearance less chlorite and more abundant sericite, moderate. Unit has more quartz veining with one vein 30cm at 441.1-441.4m. Minor chalcopyrite again at 439.4 as disseminations and discontinuous laminae. 445.5-458.3 -chlorite clots and pervasive chloritization reappears. This section contains "layers" amygduloidal or vesicular filled with quartz and/or carbonate. These are generally <3mm in size, weakly elongated in rhythmic layers possible pillows??. Chlorite also occurs in 0.4cm rounded "augens". These vesicules or amygdules locally coalesce to form masses. Variable alteration in the unit gives the impression of pale green sericitic fragments, this is best shown at 454.0-456.0. Fault zone occurs at 455.4, 30cm of crushed and broken rock. 458.3-477.9 -pervasive chloritization and locally becomes almost entirely chlorite, local one meter sections harder with less chlorite as at 472.2-473.3. Chalcopyrite as veinlets occurs at 462.2, 467.9m. 477.9-480.0 -weak silicification and variable alteration to pale green colour, amygdules white carbonate filled <1mm and 0.3cm amygdules feldspar filled.									
	480.0	End Of Hole Acid Test 100m -68° 200m -68° 300m -67° 400m -64°									


Az. 206°
1190194
1190197
HM98-22
5320mE , 10280mN
Az. 206° , Dip -20°
298
298
Overburden
10000N
10100N
10200N
10300N
Mafic Volcanic
Mafic Intrusive
Mafic Volcanic
Mafic Intrusive
200
Felsic Volcanic
200
Mafic Intrusive
Felsic Volcanic
Felsic Volcanic
Felsic Volcanic, pyrite 10-15%
Felsic Volcanic, pyrite 25-40%
Felsic Volcanic
Felsic Volcanic, pyrite 10-20%
Mafic Volcanic
100
100
Mafic Volcanic
Felsic Volcanic
Mafic Intrusive
Mafic Volcanic
0
0
Mafic Intrusive
Mafic Volcanic
Mafic Volcanic
Mafic Volcanic
Mafic Fragmental
Mafic To Intermediate Volcanic
Mafic Flow Breccia, 8-10% pyrite
Felsic Fragmental, pyrite to 40%
Felsic Volcanic, pyrite to 15%
-100
Mafic Volcanic
480.00 m.
HM98-22
EXPLORERS ALLIANCE CORPORATION
Exploration
Timmins, ONTARIO
HALFMOON LAKE PROJECT
ROBB TOWNSHIP
SECTION 5320 E
DDH HM98-22
TRACED: DATE:
DRAWN: del DRAFTING DATE: 01/06/2000
SUPERVISED: R Calhoun DATE: 30/11/98
REVISED: R Calhoun DATE: 01/06/2000
NTS: 42-A/12 PROJECT: 8142
MAP No: FILE: H9822STN
SCALE 1:2 000 (metres)
0 10 20 30 40

DIAMOND DRILL CORE LOG-SUMMARY SHEET

Project: Halfmoon
Date: July 28, 1998
Logged by: Robert Calhoun
Drilling Co: Colbert Drilling

DDH HM98-23

Claim Number: 1190197

COLLAR LOCATION: 10085N/5350E

SURVEYS: Acid Test

	Depth	Azimuth	Dip
Setup:	0.0	26° grid north	-50°
	99m		-47°

	TIMMINS COORDINATES	GRID COORDINATES
Northing:		10085N
Easting		5350E
Elevation: 0.0		
TD: 99 meters		

DRILLING DATES
Started: July 28, 1998
Finished: July 29, 1998

42A12SE2014 2.20379 ROBB 060

DIAMOND DRILL SUMMARY LOG

Project: Halfmoon
Date: July 28 to 29 1998
Logged By: Robert Calhoun

DDH: MH98-23

GEOLOGIC SUMMARY

FROM	TO	DESCRIPTION	INTERVAL			SIGNIFICANT ASSAY AVERAGES				
(m)	(m)		From (m)	To (m)	Width (m)	Cu ppm	Zn ppm	Pb ppm	Ag g/t	Au ppb
0.0	13.8	Overburden								
13.8	34.0	Felsic Volcanic-Fragmental								
34.0	57.3	Felsic Volcanic-Fragmental								
57.3	74.3	Felsic Volcanic-Fragmental								
74.3	76.4	Chlorite Zone	74.3	75.4	1.1	280.0	4070.0	7	0.3	5.0
			75.4	76.4	1.0	1080.0	7080.0	97.0	2.6	17.0
76.4	79.1	Felsic Fragmental	78.0	79.1	1.1	321	7240	368	1.5	50
79.1	99.0	Mafic Volcanic								
99.0		End of Hole								

COMMENTS

Diamond Drill Log

Property: Halfmoon
Hole Number: PAL-HM98-23
Claim Number: 1190197

Location: 5350E/10085N
Final Depth: 99.0 meters
Logged By: Robert Calhoun

Azimuth: 26° (G.N)
Dates Drilled: July 28-29 1998
Drilled By: Colbert Drilling

Dip: -50°
Dates Logged: July 29-30 1998
Signature:

			Assays								
From	To	Description	Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
0	13.8	Overburden									
13.8	34.0	Felsic Volcanic-Fragmental -fine grained, medium grey to grey green sericitic matrix hosting fragments of rhyolite to chert, whitish to medium grey. The fragments in this section are up to 1cm in size sub-rounded to elongated. Towards end of section rare fragments to 2cm.									
34.0	57.3	Felsic Volcanic-Fragmental -fine to medium grained, medium to dark grey, grey green chloritic to sericitic matrix hosting increased fragments of rhyolite to chert, and lesser fragments of mafic volcanic. Fragments are up to 2cm, locally may contain minor **sphalerite**. Pyrite is as disseminations 1-3% overall with clusters occurring randomly. 50.6-57.3 -unit is increasingly sericitic, becomes light green grey, fragments are stretched to sub-rounded. Some fragments are rimmed with fine to medium grained pyrite.									
57.3	74.3	Felsic Volcanic-Fragmental -fine to medium grained, medium to dark grey green matrix hosting light grey to whitish siliceous (cherty) fragments to 1cm, dark green chloritic fragments to 1.5cm, less abundant. Unit is variable in coarseness of fragments and	24982 24983 24984 24985	57.3 58.3 59.8 70.5	58.3 59.8 70.5 71.5	1.0 1.5 1.1 1.0	317 721 124 48	531 164 137 74	4 2 11 8	0.3 1.1 0.1 0.2	15 3 nil 19

Diamond Drill Log

Hole # PAL-HM98-23

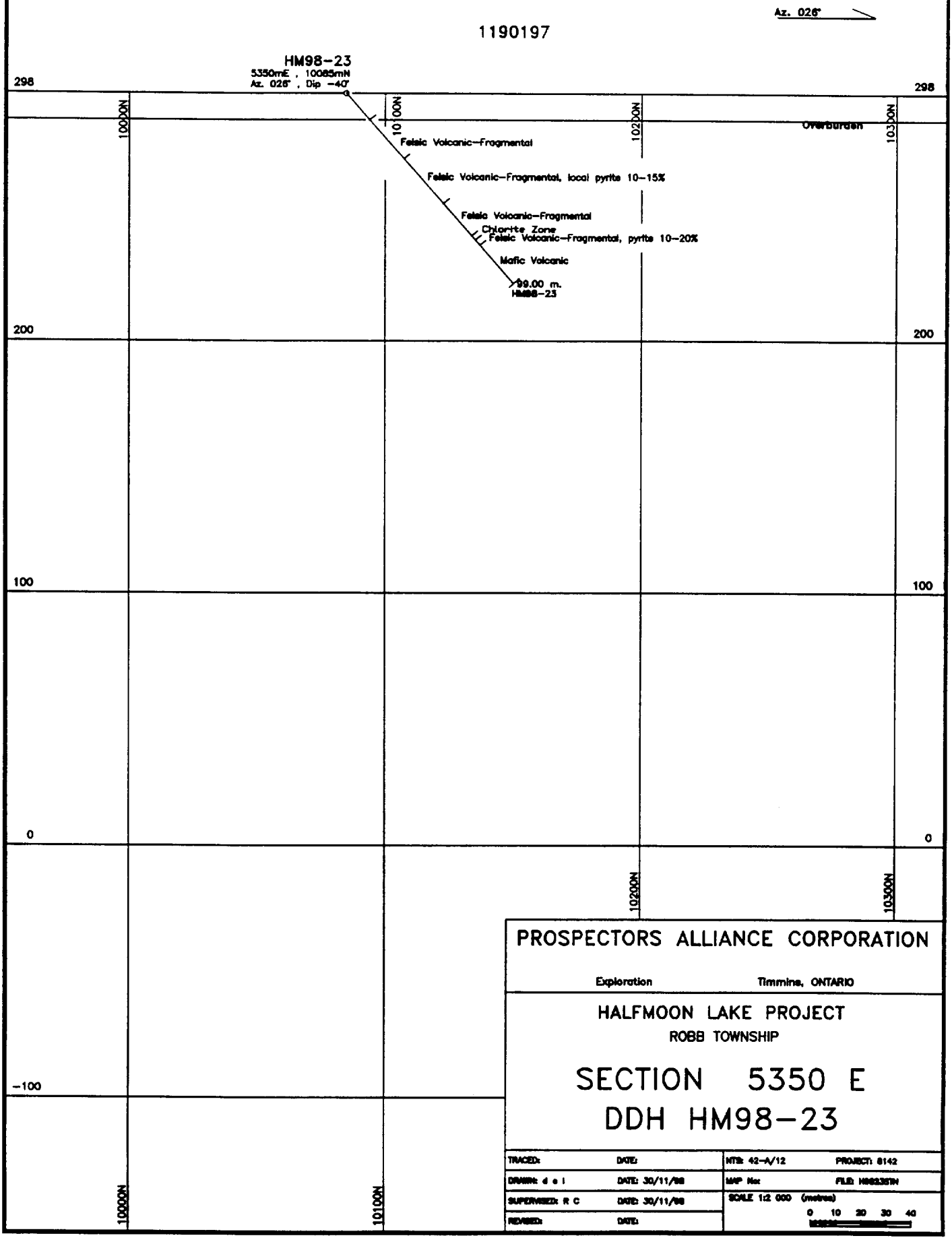
From	To	Description	Assays								
			Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
		abundance, upper 3m is fine grained with minor fragments to coarse fragmental as above unit to 73.0m and finer grained to 74.3m. Pyrite is variable from 1% disseminated to semi-massive bands 10-15% of unit over 1-1.5m. Also pyrite occurs as clusters locally appearing as possible fragments as at 70.5-71.0m. When scratched pyrite bands have brown streak locally probable **sphalerite**, **chalcopyrite** is minor. Foliation 60° to core axis.	24986	71.5	73.0	1.5	37	100	5	0.1	15
			24987	73.0	74.3	1.3	38	63	1	0.1	nil
74.3	76.4	Chlorite Zone -this section is essentially chlorite with possible fragments of rhyolite, quartz/carbonate veining. Pyrite as infrequent laminae <0.5cm wide and disseminations. **Chalcopyrite** associated with one pyrite laminae at 75.2m.	24988	74.3	75.4	1.1	280.0	4070.0	7.0	0.3	5.0
			24989	75.4	76.4	1.0	1080.0	7080.0	97.0	2.6	17.0
76.4	79.1	Felsic Fragmental -fine to medium grained, medium green to grey matrix hosting less abundant fragments than above-fragments are light grey sub-rounded rhyolitic and dark green chloritic mafic fragments to <1cm, elongated, and abundant. Chlorite occurs on slips or foliations. Unit contains pyrite as disseminations, semi-massive bands and massive veinlets to 1cm. Pyrite contains minor **chalcopyrite** and probable fine **sphalerite** (slight brown streak when scratched). Layering is 60° to core axis. 76.4-78.0 -5-10% pyrite	24990	76.4	78.0	1.6	310	1270	9	0.7	22
		78.0-79.1 -20-25% **pyrite** and related sulfides.	24991	78.0	79.1	1.1	321	7240	368	1.5	50
79.1	99.0	Mafic Volcanic -fine grained, light to medium green, sericitic, local chlorite possible pillow selvages. Unit is foliated, minor crushing and local micro-faults, gouge over 1-2cm as at 84.7, 93.4m. Foliation at 44° to core axis. Pyrite occurs as semi-massive bands in the first half	24992	79.1	80.1	1.0	167	420	20	0.6	9

Diamond Drill Log

Hole # PAL-HM98-23

			Assays								
From	To	Description	Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
		meter and as disseminations to 81.5m. Small quartz vein at 81.4-81.5m contains disseminated galena, **chalcopyrite** and possible light coloured **sphalerite**. Quartz as semi-circular									
	99.0	End Of Hole									
		Acid Tests									
		99 m -47°									

1190197



PROSPECTORS ALLIANCE CORPORATION

Exploration Timmins, ONTARIO

HALFMOON LAKE PROJECT

ROBB TOWNSHIP

SECTION 5350 E
DDH HM98-23

TRACED:	DATE:	NTS: 42-A/12	PROJECT: 8142
DRAWN: d e l	DATE: 30/11/98	MAP No:	FILE: HM9835N
SUPERVISED: R C	DATE: 30/11/98	SCALE 1:2 000 (metres)	0 10 20 30 40
REVISED:	DATE:		

DIAMOND DRILL CORE LOG-SUMMARY SHEET

Project: HALFMOON
Date: September 18-19 1998
Logged by: Robert Calhoun
Drilling Co: Colbert Drilling

DDH: HM98-25

Claim Number:

COLLAR LOCATION: L5600E/10150N

SURVEYS: Acid Test

	Depth	Azimuth	Dip
Setup:	0.0	grid south	-50°
	102m		-45°

	TIMMINS COORDINATES	GRID COORDINATES
Northing:		10150N
Easting		5600E
Elevation: 0.0		
TD: 135 meters		

DRILLING DATES
Started: September 18 1998
Finished: September 19 1998

42A12SE2014 2.20379 ROBB 070

DIAMOND DRILL SUMMARY LOG

Project: Halfmoon
Date: September 18-19 1998
Logged By: Robert Calhoun

DDH: HM98-25

GEOLOGIC SUMMARY

FROM	TO	DESCRIPTION	INTERVAL			SIGNIFICANT ASSAY AVERAGES				
(m)	(m)		From (m)	To (m)	Width (m)	Cu ppm	Zn ppm	Pb ppm	Ag g/t	Au ppb
0.0	29.2	Overburden								
29.2	70.3	Mafic to Intermediate Volcanic								
70.3	88.0	Intermediate to Felsic Volcanic								
88.0	95.4	Felsic Volcanic								
95.4	101.4	Felsic Volcanic-Lapilli Tuff to Fragmental								
101.4	120.5	Felsic Volcanic								
120.5	128.9	Mafic Volcanic								
128.9	135.0	Felsic Volcanic								
135.0		End of Hole								

COMMENTS

Diamond Drill Log

Property: Halfmoon
Hole Number: HM98-25
Claim Number: 1190167/1190197
Location: L5600E/10150N
Final Depth: 135.0 meters
Logged By: Robert Calhoun
Azimuth: Grid South
Dates Drilled: Sept. 18-19/98
Drilled By: Colbert Diamond Drilling
Dip: -50°
Dates Logged: Sept. 19-20/98
Signature:

							Assays				
From	To	Description	Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
0	29.2	Overburden -clay, sand boulders in bottom 5.0m.									
29.2	70.3	Mafic to Intermediate Volcanic -fine grained to locally medium grained, colour is variable but generally grey green to green, light to medium with 1-2m sections of medium grey. Unit varies from weakly foliated massive in upper section to 48.0m and moderate to strongly foliated to end of section. 29.2-48.0 -massive weakly foliated, medium green grey, minor pyrite, generally chloritic. 48.0-70.3 -moderately to strongly foliated to laminated. This appears to be alteration related with stronger chloritic sections and sericitic sections increasing down hole. This unit or units also contains amygduloidal zones over 1-2m as at 60.0-62.0. There are also zones of carbonate/sericite clots or nodules especially in the lower 4.0 meters. These are upper to 1cm in size and locally coalesce. Quartz veining is minor and carbonate-calcite is also minor. Foliation/Lamination is at 52° at start of section (50.5) increasing to 58° at 61.0 meters.									

Diamond Drill Log

Hole # HM98-25

From	To	Description	Assays								
			Sample #	From	To	Length (meter)	Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
70.3	88.0	Intermediate to Felsic Volcanic -fine to medium grained, grey green to grey with pale green sections of sericite alteration. Unlike the section above this section has a grainy appearance (sandy) and is more tuffaceous in nature. Alteration is predominately sericite pale yellow green which occurs in zones or "beds" as at 70.3-76.2m. The sericite is generally foliation related but can be pervasive. Silicification is a minor component restricted to small zones as at 72.4-72.8. Foliation angles are variable, 63° to core axis in upper section (71.5m) to 48° to core axis (85m). A second foliation kinks the stronger foliation. Sulfide mineralization is minor consisting of pyrite disseminations.								
88.0	95.4	Felsic Volcanic -fine to medium grained similar to above but green grey in colour with increased sericite, foliated to laminated. This section begins and ends with a quartz vein. 88.0-88.5 -A 3cm quartz vein begins the section followed by weakly to moderately graphitic fine grained sediment? or tuff. The section ends with a quartz vein 4cm. This zone contains pyrite on laminae and clusters in lower quartz vein. 88.5-89.9 -Laminated felsic volcanic with fine pyrite laminae, clusters with minor sphalerite. The end of the section 89.7-89.9m semi-massive pyrite. The pyrite is of two varieties. There is a very fine dark massive variety and a coarse cluster type of light colour. The lighter pyrite can form veinlets in the dark pyrite. The sphalerite occurs as grains and discontinuous fine laminae <1mm in width. 89.9-95.4 -weak to moderately foliated with 1% pyrite as foliation laminae and fine clusters. Pyrrhotite appears in this section accompanied by chalcopyrite and occasional grains to clusters of grained sphalerite. Total sulfide in this section is 1% but over 1-2m can be 3%.	1503	88.0	89.0	1.0	176	287	34	0.2	2
			1504	89.0	90.0	1.0	1080	213	133	0.6	5
			1514	94.0	95.4	1.4	102	239	1	0.1	5

Diamond Drill Log

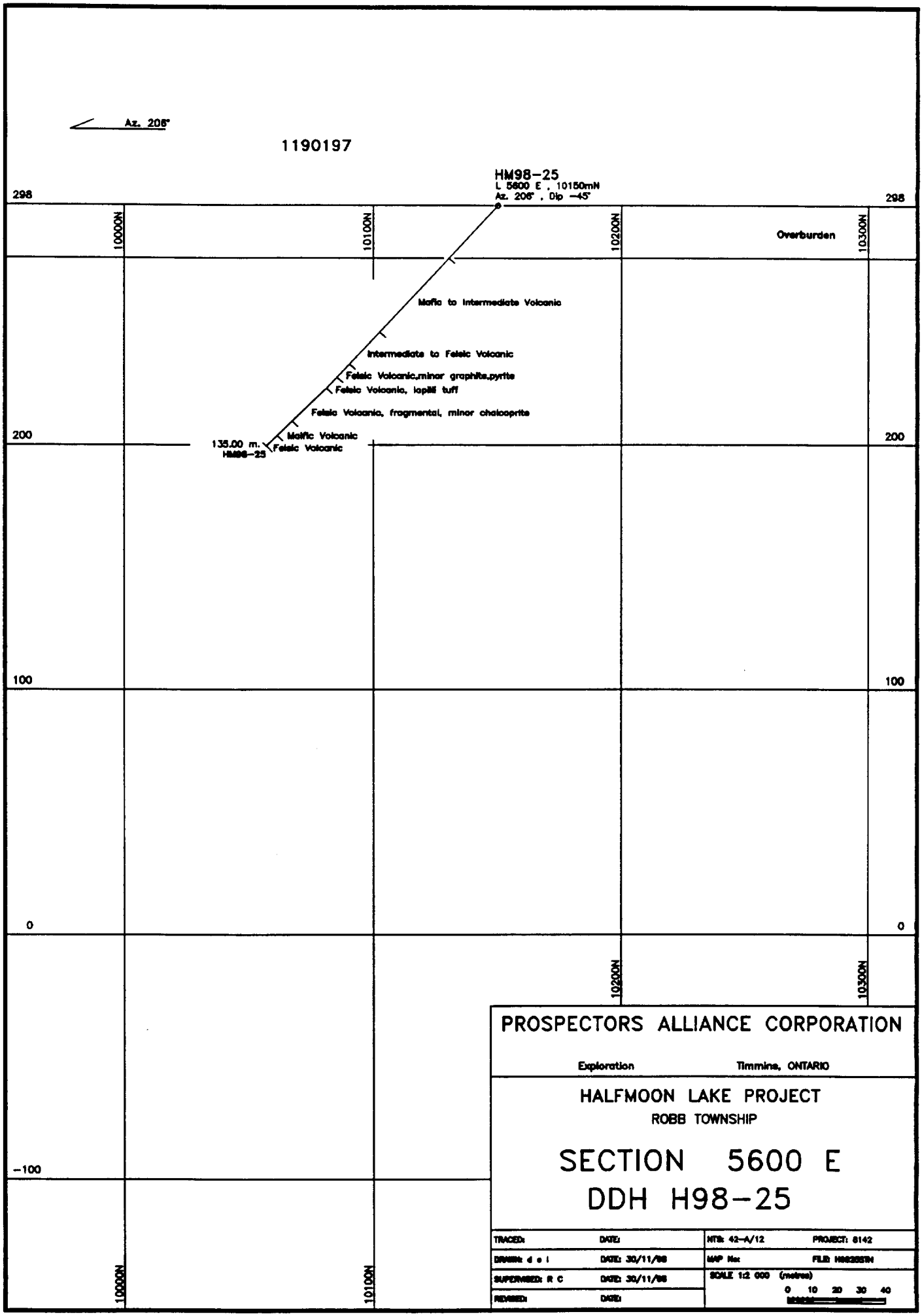
Hole # HM98-25

From	To	Description	Sample #	From	To	Length (meter)	Assays Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
95.4	101.4	Felsic Volcanic -lapilli tuff to fragmental (primary)-fine to medium grained, light grey to grey green, sericitic matrix hosting generally fine grained light grey, siliceous fragments or lapilli stretched on foliation. This contact between this and the upper unit is a 20cm white quartz vein parallel to foliation at 57° to core axis. Pyrrhotite is the dominant sulfide in this section as clusters of grains, less than 0.5%. Possible yellow sphalerite very fine grains at 98.0m. (May be a carbonate/sericite combination).									
101.4	120.5	Felsic Volcanic -fine grained, medium grey to light grey, weakly sericitic tuff. This unit is generally featureless with calcite veinlets to knots forming most features. The unit may contain spherules at 106.5m. Pyrite and pyrrhotite are randomly distributed through the section.									
		Pyrrhotite can reach sufficient abundance to make	1505	105.5	106.6	1.1	227	146	2	0.1	nil
		the unit magnetic as at 106.0-106.7m. Chalcopyrite is	1506	106.6	108.0	1.4	313	191	1	0.2	nil
		minor but is associated with the pyrrhotite.									
		108.0-109.2									
		-Pyrrhotite and chalcopyrite. Chalcopyrite occurs as	1507	108.0	109.3	1.3	1160	288	16	0.4	nil
		laminae to clusters at 108.05-108.15m to 1% chalcopyrite and as foliation laminae at 109.2m. The upper chalcopyrite is within a cherty/siliceous section. The laminae at 109.2m is with pyrite.									
		109.2-111.1									
		-Siliceous with light grey fine grained sections to 30cm.	1508	109.3	110.3	1.0	58	54	2	0.1	nil
		Unit contains minor pyrite, as grains and fine	1509	110.3	111.3	1.0	32	33	2	0.1	nil
		disseminations. Base unit is dark grey. Pyrite content increases 110.8-111.1m to 5-8% as clusters.									
		111.1-120.5									
		-felsic volcanic medium grey to greenish with sericite.	1510	111.3	112.3	1.0	86	49	1	0.1	nil
		Unit is generally sphaleritic , locally contains chlorite	1511	112.3	113.3	1.0	7	34	5	0.1	nil
		alteration. Sulfide content is low with minor pyrite fine	1512	113.3	114.4	1.1	326	47	2	0.2	nil
		disseminated chalcopyrite and minor grains of									

Diamond Drill Log

Hole # HM98-25

From	To	Description	Sample #	From	To	Length (meter)	Assays Cu ppm	Zn ppm	Pb ppm	Ag g/ton	Au ppb
		increases 110.8-111.1m to 5-8% as clusters. 111.1-120.5 sphalerite. Siliceous fragment 10cm by 2cm at 114.4 contains 8-10% pyrite clusters. Occurrences of chalcopyrite are 111.9-112.1m-very fine disseminations-113.8-113.9-1% chalcopyrite in siliceous felsic (cherty), smear of chalcopyrite on fractures at 120.0m.	1513	119.3	120.3	1.0	888	60	1	0.2	2
120.5	128.9	Mafic Volcanic -medium grained, medium to dark green, locally coarse granular appearance with some free quartz. Unit is massive relatively featureless with very minor sulfides. Quartz veining is minor. 122.0 -minor small discontinuous chalcopyrite laminae to veinlet 1-2m in width. Unit becomes fine grained at 127.9-128.9m.									
128.9	135.0	Felsic Volcanic -fine to medium grained, medium to locally dark grey, weakly to moderately siliceous. Unit is possibly fragmental and contains light grey lapilli which are siliceous hard to moderately hard matrix. Quartz veining is minor as less than 1cm width veins. Unit does not contain any sulfides. Contact with the mafics is 42° to core axis.									
	135.0	End Of Hole									
		Acid Test									
		102 meters -45°									


Az. 206°
1190197
HM98-25
L 5600 E , 10150mN
Az. 206° , Dip -45°
298
298
100000N
10100N
10200N
10300N
Overburden
Mafic to Intermediate Volcanic
Intermediate to Felsic Volcanic
Felsic Volcanic,minor graphite,pyrite
Felsic Volcanic, lapilli tuff
Felsic Volcanic, fragmental, minor chalcopyrite
Mafic Volcanic
Felsic Volcanic
135.00 m.
HM98-25
200
200
100
100
0
0
-100
PROSPECTORS ALLIANCE CORPORATION
Exploration
Timmins, ONTARIO
HALFMOON LAKE PROJECT
ROBB TOWNSHIP
SECTION 5600 E
DDH H98-25
TRACED:
DATE:
NTS: 42-A/12
PROJECT: 8142
DRAWN: d e l
DATE: 30/11/98
MAP No:
FILE: H98255N
SUPERVISED: R C
DATE: 30/11/98
SCALE 1:2 000 (metres)
0 10 20 30 40
REVISED:
DATE:

Ontario Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

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

Transaction Number (office use)
W0060.00272

Assessment Files Research Imaging

subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, t
sment work and correspond with the mining land holder. Questions about this collect
lopment and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

42A12SE2014 2.20379 ROBB 900

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

2.20379

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

Name: Explorers Alliance	Client Number: 303065
Address: 168 Algonquin Blvd East, Timmins, Ontario P4N1A9	Telephone Number: (705) 267-3511
	Fax Number: (705) 267-3121
Name	Client Number
Address	Telephone Number
	Fax Number

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

☐ Geotechnical: prospecting, surveys, assays and work under section 18 (regs)

■ Physical: drilling stripping, trenching and associated assays

☐ Rehabilitation

		Office Use
Work Type: ✓		Commodity
		Total $ Value of Work Claimed
Dates Work Performed From: 13 (Day) 07 (Month) 98 (Year) To: 25 (Day) 05 (Month) 99 (Year)		NTS Reference
Global Positioning System Data (if available)	Township/Area: Robb	Mining Division
	M or G-Plan Number: G 3968	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)

Name: Geocad Exploration	Telephone Number: 705 267-3511
Address: 168 Algonquin Blvd East, Timmins, Ont P4N1A9	Fax Number: 705 267-3121
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number

4. Certification by Recorded Holder or Agent

I, Liard Balcomb Agent (Print Name), 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.

Signature of Recorded Holder or Agent		Date: June 3, 2000.
Agent's Address: 168 Algonquin East Timmins	Telephone Number: 705 268-3511	Fax Number: 705 267-3121

0241 (03/97)

RECEIVED
JUN 5 2000
15.40
PORCUPINE MINING DIVISION

RECEIVED
JUN 07 2000
10:35am
GEOSCIENCE ASSESSMENT OFFICE

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the li land where work was performed, at the time work was performed. A map showing the contiguous link must accompany form. WOODS 00272

	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 w to be distributed at a future date
eg	TB 7827	16 ha	$26,825	N/A	$24,000	$2,825
eg	1234567	12	0	$24,000	0	0
eg	1234568	2	$ 8,892	$ 4,000	0	$4,892
1	1190197	1	54756.		10 000	44756
2	1190194	1	2874		2800	74
3	1228581	16		6400		
4	1228582.	16		6400.		
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
	Column Totals		57630	12800	12800	45 830

I, Lionel Bonhomme Agent, do hereby certify that the above work credits are eligible un
(Print Full Name)
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
	June 3, 2000

6. Instructions 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 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)

RECEIVED JUN 5 2000 15.40 PORCUPINE MINING DIVISION

2.20379

RECEIVED JUN 07 2000 10:35am GEOSCIENCE ASSESSMENT OFFICE

Ontario Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use)

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, the 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 the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th 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/days worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
HGM 98-19	201 m.	34.	6834
HGM 98 21	210 m.	34	7140
HGM 98-22	480 m.	34.	16320
HGM-98-23	99 m.	34	3366.
HGM 98-25	135 m.	34	4590.
Geologist	20 DAYS	300/DAY	6000.
ASSAYS	98 SAMPLES.	30	1470.
Associated Costs (e.g. supplies, mobilization and demobilization).			
HGM-19 CASING			1083.
HGM 21 CASING			1194.
HGM-22 CASING			874.
HGM-23 CASING.			954.
HGM 25 CASING.			1755.
[redacted] FLOATING			580.
Remove Dummy From Hole 98-22			1400
PLOTS + SECTIONS			300.
Food and Lodging Costs			
			53860. 3220.
		GST	
		Total Value of Assessment Work	57630

RECEIVED
JUN 5 2000
15.40
[illegible]

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 work 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.

2.20879

Certification verifying costs:

I, Lionel Bastarache Agent, 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 Agent (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

RECEIVED
JUN 07 2000
10:35am
GEOSCIENCE ASSESSMENT OFFICE

Signature

Date June 3, 2000

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

Ontario

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

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

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

July 11, 2000

Lionel Bonhomme
EXPLORERS ALLIANCE CORPORATION
168 ALGONQUIN BLVD. EAST
TIMMINS, ONTARIO
P4N-1A9

Dear Sir or Madam:

Submission Number: 2.20379

Subject: Transaction Number(s):		**Status**
	W0060.00272	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 JIM MCAULEY by e-mail at james.mcauley@ndm.gov.on.ca or by telephone at (705) 670-5880.

Yours sincerely,

Steven B. Beneteau

ORIGINAL SIGNED BY
Steve B. Beneteau
Acting Supervisor, Geoscience Assessment Office
Mining Lands Section

Correspondence ID: 15054
Copy for: Assessment Library

Work Report Assessment Results

Submission Number: 2.20379

Date Correspondence Sent: July 11, 2000 **Assessor:** JIM MCAULEY

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W0060.00272	1190197	ROBB	Approval	July 11, 2000

Section:
16 Drilling PDRILL

Correspondence to:

Resident Geologist
South Porcupine, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):

Lionel Bonhomme
EXPLORERS ALLIANCE CORPORATION
TIMMINS, ONTARIO

FALCONBRIDGE LIMITED
TORONTO, ONTARIO

JOHN KEVIN FILO
TIMMINS, Ontario

Correspondence ID: 15054

Ontario Ministry of Natural Resources | Ministry of Northern Development and Mines

INDEX TO LAND DISPOSITION

PLAN
G-3968

TOWNSHIP
ROBB

M.N.R. ADMINISTRATIVE DISTRICT
TIMMINS

MINING DIVISION
PORCUPINE

LAND TITLES/REGISTRY DIVISION
COCHRANE

Scale 1:20 000

1000 Metres 0 1000 2000 Metres

1000 Feet 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10 000 Feet

Contour Interval 10 Metres

LOVELAND TOWNSHIP
COTE TOWNSHIP
JAMIESON TOWNSHIP
TURNBULL TOWNSHIP
KAMISKOTIA LAKE
KAMISKOTIA HILL
Winter Lake
Bamboo Lake
West Commando Lake
New Years Lake
Christmas Lake
Fire Hanger Point
ZONE 17
2.20379 P DRILL

SYMBOLS

Boundary
- Township, Meridian, Baseline
- Road allowance, surveyed / shoreline
- Lot/Concession, surveyed / unsurveyed
- Parcel, surveyed / unsurveyed
- Right-of-way, road / railway / utility
- Reservation
- Cliff, Pit, Pile
- Contour / Interpolated / Approximate / Depression
- Control point (horizontal)
- Flooded land
- Mine head frame
- Pipeline (above ground)
- Railway, single track / double track / abandoned
- Road, highway, county, township / access / trail, bush
- Shoreline (original)
- Transmission line
- Wooded area

DISPOSITION OF CROWN LANDS

Patent
- Surface & Mining Rights
- Surface Rights Only
- Mining Rights Only

Lease
- Surface & Mining Rights
- Surface Rights Only
- Mining Rights Only

- Licence of Occupation
- Order-in-Council (OC)
- Cancelled
- Reservation
- Sand & Gravel

AREAS WITHDRAWN FROM DISPOSITION

MRO - Mining Rights Only
SRO - Surface Rights Only
M+S - Mining and Surface Rights

Description	Order No.	Date	Disposition	File
(R) M.N.R. RESERVE				

~~THIS TWP. IS SUBJECT TO FOREST ACTIVITIES IN 1998/03. FURTHER INFORMATION AVAILABLE ON FILE.~~

PLANS OF SUBDIVISION - NOT OPEN FOR STAKING

PROPOSED SURFACE RIGHTS DISPOSITION UNDER THE P.L.A. - NOTICE RECEIVED MARCH 7, 1991

(2) THIS TWP IS SUBJECT TO FOREST ACTIVITY IN 1984/85. FURTHER INFORMATION ON FILE.

(R1) [illegible]

(R2) [illegible]

(R3) [illegible]

(R4) MINING AND SURFACE RIGHTS WITHDRAWN UNDER SECTION 35 OF THE MINING ACT, R.S.O. 1990 ORDER NO. W.P. 6/97 NER DATED APR. 28/97

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

ACTIVATED AUGUST 13, 1992
BY D.C.
CHECKED BY G.W.

Map base and land disposition drafting by Surveys and Mapping Branch, Ministry of Natural Resources

The disposition of land, location of lot fabric and parcel boundaries on this index was compiled for administrative purposes only

42A12SE2014 2.20379 ROBB 200

969269

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EXPLORERS ALLIANCE CORPORATION

Exploration Timmins ONTARIO

HALFMOON LAKE PROJECT

ROBB Township

DIAMOND DRILL PLAN

HM98-19, 21, 22, 23 & 25

TRACED:	DATE:	NTS: 42-A/12	PROJECT: 8142
DRAWN: del GRAFTING	DATE: 01/06/2000	MAP No:	FILE: HFMNPN11
SUPERVISED: R Calhoun	DATE: 01/06/2000	SCALE 1:1 000 (metres)	0 5 10 15 20
REVISED:	DATE:		

L 5200 E

TL 800 N

PAL-HM98-22
L 5320 E , 10280mN
Az. 206° , Dip -20°

Mafic Volcanic
Mafic Intrusive
Mafic Volcanic
Mafic Intrusive
Felsic Volcanic
Mafic Intrusive
Felsic Volcanic
Felsic Volcanic, Felsic Volcanic, pyrite 10-15%
Felsic Volcanic, pyrite 25-40%
Felsic Volcanic
Felsic Volcanic, pyrite 10-20%
Mafic Volcanics
Mafic Volcanic
Felsic Volcanic
Mafic Intrusive
Mafic Volcanic
Mafic Intrusive
Mafic Volcanic
Mafic Volcanic
Mafic Fragmental
Mafic To Intermediate Volcanic
Mafic Flow Breccia, 8-10% pyrite
Felsic Fragmental, pyrite to 40%
Felsic Volcanic, pyrite to 15%
Mafic Volcanic
Felsic Volcanic-Fragmental, pyrite 10-20%
Chlorite Zone
Felsic Volcanic-Fragmental
Felsic Volcanic-Fragmental, local pyrite 10-15%
Felsic Volcanic-Fragmental
99.00 m.

PAL-HM98-23
L 5350 E , 10085mN
Az. 26° , Dip -20°

L 5300 E

PAL-HM98-21
L 5400 E , 10200mN
Az. 206° , Dip -45°

Felsic Volcanic
Mafic Intrusive
Felsic Volcanic
Mafic Volcanic
Mafic Intrusive
Mafic Volcanic
Mafic Volcanic
Mafic Volcanic
Felsic Volcanic
Felsic Volcanic
Mafic Volcanic
Mafic Intrusive
Felsic Volcanic
153.00 m.
Felsic Volcanic Rhyolite
Mafic Volcanic
Felsic Volcanic-Tuff
Mafic Intrusive/Volcanic
Mafic Volcanic
210.00 m.
Mafic Intrusive
Intermediate Intrusive
243.00 m.
Mafic Intrusive
Felsic Volcanics
Mafic Intrusive
201.00 m.

L 5400 E , 10150mN
Az. 206° , Dip -40°

PAL-HM98-19

Mafic Volcanics
Mafic Volcanics
Mafic Volcanics
Massive Sulfides
Semi to Massive Sulfides
Mafic Volcanics
Felsic Volcanic
Mafic Volcanics/Intrusive
Felsic Volcanic
Mafic Volcanic/Intrusive
Felsic to Intermidiate Volcanic
Mafic Volcanic/Intrusive

Trail

BL 10000 N

L 5400 E

L 5500 E

N

PAL-HM98-25
L 5600 E , 10150mN
Az. 206° , Dip -45°

Mafic to Intermediate Volcanic
Intermediate to Felsic Volcanic
Felsic Volcanic, minor graphite, pyrite
Felsic Volcanic, lapilli tuff
Felsic Volcanic, fragmental, minor chalcopyrite
Mafic Volcanic
135.00 m.
Felsic Volcanic

42A12SE2014 2.20379 ROBB 210

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