Assessment Report on Diamond Drilling
EL25-06, -07, -08

Loveland Twp., Timmins, Ont.
Porcupine Mining Division

NTS 42A/14

May 26th, 2003

2.25689

DIAMOND DRILL CORE LOG-SUMMARY SHEET

Project: Enid Creek -Loveland Township
Date: November 10 to 20, 2000
Logged by: Robert Calhoun
Drilling Co: Colbert Drilling

DDH: EL25-06

Claim Number: P. 1037161

COLLAR LOCATION: L50200N/10325E

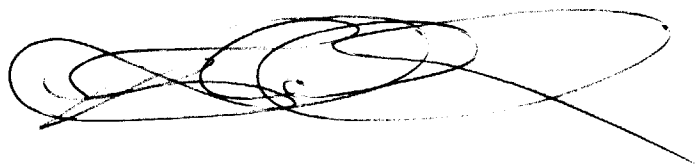
SURVEYS: Acid Test

	Depth	Azimuth	Dip
Setup:	0.0m	270°	-70°
	102.0m		-70°
	200.0m		-70°

	UTM COORDINATES	GRID COORDINATES
Northing:	5388814N	50200N
Easting:	0454445E	10325E

Elevation: 0.0 meters
TD: 255.0 meters

DRILLING DATES
Started: November 10, 2000
Finished: November 20, 2000



DIAMOND DRILL SUMMARY LOG

Project: Enid Creek -Loveland Township
Date: November 10, 2000
Logged By: R. F. Calhoun

DDH: EL25-06

GEOLOGIC SUMMARY

FROM (m)	TO (m)	DESCRIPTION	INTERVAL From (m)	INTERVAL To (m)	INTERVAL Width (m)	SIGNIFICANT ASSAY AVERAGES Cu ppm	Ni ppm	Co ppm	Pt ppb	Pd ppb	Rh ppb	Au ppb
0.0	16.8	Overburden										
16.8	25.2	Gabbro										
25.2	41.45	Andesite										
41.45	51.5	Gabbro										
51.5	71.6	Gabbro										
71.6	75.3	Andesite										
75.3	135.0	Gabbro										
135.0	167.0	Gabbro										
167.0	173.0	Gabbro										
173.0	175.8	Gabbro										
175.8	181.0	Gabbro										
181.0	191.9	Gabbro										
191.9	206.7	Gabbro										
206.7	214.5	Gabbro-sulfides	211.2	212.5	1.3	1070	2780	210	24	137	N/A	7
214.5	228.4	Porphyritic Andesite										
228.4	255.0	Andesite										
	255.0	End of Hole										

COMMENTS

Diamond Drill Log

Property: Enid Creek Loveland Township
Hole Number: EL25-06
Claim Number: P. 1037161
Location: L50200N/10325E
Final Depth: 255.0 meters
Logged By: Robert Calhoun
Azimuth: 270°
Dates Drilled: November 10 to 20, 2000
Drilled By: Colbert Drilling
Dip: -70°
Dates Logged: November 11 to 21, 2000
Signature:

						Assays							
From	To	Description	Sample #	From	To	Length (meter)	Cu ppm	Ni ppm	Co ppm	Pt ppb	Pd ppb	Rh ppb	Au ppb
0.0	16.8	Overburden											
16.8	25.2	Gabbro -medium grained, medium grey massive, featureless, looks more like a diorite, white feldspars. There are small quartz veins white, milky and laminae veins with some pink feldspars.											
25.2	41.45	Andesite -fine grained, medium grey to grey green siliceous, does not or is hard to scratch with a knife. Near the upper contact to 27.6m, there are large, possible amygdules, which are dark grey to grey green, hard siliceous. Within this section there are possible flow bands at 26.7-26.8m. The amygdule nature occurs over small sections below the main area. The unit is quite massive in nature with coarser gabbroic sections as at 33.9-35.4m. Below 35.4m there are laminae which are dark grey to blackish on fractures, possible chlorite.											
41.45	51.5	Gabbro -medium grained to locally coarse grained, medium grey to grey green, siliceous possible local chlorite. There are up to 1m sections of andesitic material with amygdules to vesicules as noted above, generally smaller in this section.											
51.5	71.6	Gabbro medium to coarse grained gabbro, medium grey green to green grey, grain size is much coarser than above. This section is massive with only minor fine to medium grained sections. There are small laminae to 1cm wide silica feldspar veinlets at generally low angles to core axis <25°.	1304	59.35	59.75	0.4	3610	119	73	<5	<5	NA	34

Diamond Drill Log

Hole # EL25-06

From	To	Description	Sample #	Assays: From	To	Length (meter)	Cu ppm	Ni ppm	Co ppm	Pt ppb	Pd ppb	Rh ppb	Au ppb
		59.35-59.75m -fine gabbro with 10-15% sulfides of pyrrhotite and 1% chalcopyrite. 65.6-71.6m -quartz veining becomes more obvious in this section increasing down hole with some epidote. the lower section 68.0-71.6m becomes crushed, broken possible fault zone, gabbro becomes lighter in colour.											
71.6	75.3	Andesite -fine grained, medium green grey to grey green, there are abundant small quartz/quartz carbonate laminae veinlets to small veinlets <0.5cm. These veinlets form high angles 60-75° to core axis and <20° to core axis. The unit is massive and upper contact is crushed. Lower contact is at 25° to core axis.											
75.3	135.0	Gabbro medium to coarse grained, medium to dark green to green grey with white feldspars with diffuse edges. Unit is massive generally with only small fine grained zones <0.5m and generally <5cm. There are random quartz veins in most of unit with exceptions noted below. Sulfides are generally minor 101.7-106.5m -quartz veins milky white <1cm in width generally at low angles <20° to core axis, 1-2 per meter average. 106.5-111.1m -quartz rich section with milky white veins as above but the veining is more abundant, can be up to 20cm in width. This section could be described as silica flooded. The large vein at 109.3-109.6m has fragments of the gabbro floating in the quartz with a fine silicified section 20cm below the vein. Sulfides are nil to trace. 116.9-119.8m -andesite, fine grained to medium grained with feldspars <1mm in size and possible leucoxene. Contacts in gabbro upper especially are disrupted in appearance and lower is somewhat intermixed. Hematite on fractures. 119.8-135.0m -gabbro has minor random quartz veins, generally milky white. Lower angles to core <20° to sub parallel to core axis.	1305 1306 1307	107.7 108.8 114.5	108.8 109.9 115.8	1.1 1.1 1.3	154 524 953	98 71 311	15 13 23	<5 <5 17	<5 <5 24	NA NA NA	3 3 14
135.0	167.0	Gabbro -medium to coarse grained, medium grey in colour with local areas with pinkish colouration(granitic colour). Unit is massive with only minor quartz veinlets <0.5cm. there are short <0.5m sections that are finer grained ranging from light grey with quartz to pale green with epidote/carbonate alteration.											
167.0	173.0	Gabbro -medium to coarse grained to 168m, mainly medium grained to 173.0m, upper section has dark green matrix with abundant white feldspars and below 168m, the unit is dark green with less feldspars with less defined edges. The lower contact area 172.5-173.0m is fine grained, dark green, crushed at contact.											

Diamond Drill Log

Hole # EL25-06

From	To	Description	Assays										
			Sample #	From	To	Length (meter)	Cu ppm	Ni ppm	Co ppm	Pt ppb	Pd ppb	Rh ppb	Au ppb
173.0	175.8	Gabbro -coarse grained, light to medium green to whitish, mainly accumulate of feldspars in masses and dark mafic minerals in matrix. There are fine layers 5-10cm pale grey. There are minor pyrrhotite sulfides with minor chalcopyrite.											
175.8	181.0	Gabbro -medium grained, dark green grey similar to section from 167.0-173.0m. The feldspars are diffuse whitish green. This section contains pyrrhotite sulfides with minor chalcopyrite to <0.5%. Chalcopyrite more abundant towards lower contact.	1308 1309	178.2 180.0	180.0 181.0	1.8 1.0	555 407	343 323	37 38	5 5	12 10	NA NA	nil nil
181.0	191.9	Gabbro -coarse grained, colour is variable but is mainly greenish white feldspars in a dark mafic matrix with local grey siliceous "layers". This section contains pyrrhotite and chalcopyrite. The pyrrhotite is as fine disseminations, clots and locally as elongated blebs. The chalcopyrite although mainly in the pyrrhotite can also occur as disseminated grains. 181.0-182.2m -pyrrhotite 1-3% with chalcopyrite 0.5%. 182.2-183.7m -pyrrhotite 1-3%, chalcopyrite <0.5% 183.7-190.0m -pyrrhotite 2-5% overall with local <0.5m sections to 10% plus. Chalcopyrite is 0.5% to 1% overall with 1-2% in higher pyrrhotite zones. 190.0-191.0m -pyrrhotite 10-15%, chalcopyrite 1% 191.0-191.9m -pyrrhotite 1-3% with chalcopyrite <1%.	1310 1311 1312 1313 1314 1315 1316 1317	181.0 182.2 183.7 185.0 186.0 187.5 188.9 190.0	182.2 183.7 185.0 186.0 187.5 188.9 190.0 191.0	1.2 1.5 1.3 1.0 1.5 1.4 1.1 1.0	1490 627 552 912 596 1510 1750 1490	653 467 684 592 235 637 680 760	45 36 71 65 30 63 61 92	15 19 34 14 14 24 17 22	39 41 96 113 50 120 99 101	NA NA NA NA NA NA NA NA	12 7 2 12 nil 7 9 5
191.9	206.7	Gabbro -medium to coarse grained, dark green with greenish white feldspars, well developed, with small accumulate sections with feldspars to 1cm in length. This section has minor sulfides of pyrrhotite and nil to trace chalcopyrite. 205.2-206.7m -the lower section of this unit is finer grained, dark green grey, weak siliceous with fine disseminations of pyrrhotite, trace chalcopyrite. Lower contact broken.	1318 1319 1320 1321 1322	191.0 191.9 195.0 202.5 205.2	191.9 193.5 196.5 204.0 206.7	0.9 1.6 1.5 1.5 1.5	736 235 340 247 150	440 256 193 182 253	45 32 34 36 37	15 5 <5 <5 <5	113 26 <5 <5 <5	NA NA NA NA NA	9 7 9 14 nil
206.7	214.5	Gabbro- Sulfides -medium to coarse grained, with finer grained sections, generally dark green to dark green grey. The contact with the upper unit marked by a siliceous/feldspar white "vein" 20cm in width. A larger "vein" of similar material occurs at 207.25 to 208.25m, the remainder of the unit contains 30cm to 1m wide coarse feldspar overgrowths or accumulations. Locally with some epidote. 206.7-208.5m -medium grained dark green gabbro with whitish siliceous zones with 2-3% sulfides of pyrrhotite and chalcopyrite. The chalcopyrite is as disseminations with pyrrhotite and as grains in the siliceous sections. Chalcopyrite maybe up to 1%. 208.5-211.2m -medium grained, dark green with local accumulate feldspars in "layers". Pyrrhotite occurs as disseminations, clots and elongated clots. Chalcopyrite	1323 1324 1325 1326 1327 1328	206.7 208.5 209.7 211.2 212.5 213.5	208.5 209.7 211.2 212.5 213.5 214.5	1.8 1.2 1.5 1.3 1.0 1.0	334 2470 457 1070 970 1560	338 1130 560 2780 1360 347	35 98 65 210 182 45	5 12 9 24 17 14	12 51 17 137 79 65	NA NA NA NA NA NA	14 5 7 7 10 7

Diamond Drill Log

Hole # EL25-06

				Assays									
From	To	Description	Sample #	From	To	Length (meter)	Cu ppm	Ni ppm	Co ppm	Pt ppb	Pd ppb	Rh ppb	Au ppb
		occurs as grains with the pyrrhotite and fine disseminations. There is one large clot of chalcopyrite at 208.55, 3cm long and 1cm wide with pyrrhotite. Total sulfides are 5-10% with chalcopyrite 1% to possible 2%. 211.2-212.5m -dark green gabbro with feldspar accumulate section 211.9-212.6m. This section has pyrrhotite as clots, disseminations and discontinuous replacement/fracture veins. The chalcopyrite occurs as disseminations with pyrrhotite, disseminated grains and two small laminae veinlets were noted. The total sulfide in this section is 15-20% with chalcopyrite probably 2%. There are epidote patches in the feldspar section. 212.5-214.5m -this section is fine grained, dark green with variable sulfides mainly as clots but there is a 10cm section at 213.05-213.15m of veined pyrrhotite. There is minor chalcopyrite with the pyrrhotite and one larger clot of chalcopyrite 1.5cm in diameter at 214.45m with a smaller clot.											
214.5	228.4	Porphyritic Andesite -fine grained, medium grey weakly siliceous andesite. The feldspar phenocrysts are abundant, making up to 30% of the unit to 216.0m, decreasing down section with 1m sections nearly absent of phenocrysts. The unit is massive in nature with only minor quartz veining and multiple fractures at low angles up to 70° to core axis. These fractures cause local crushing.											
228.4	255.0	Andesite -fine grained, medium grey to grey green with local bleaching. The unit is similar to above with the fracturing but may have a slight layering texture. There are small feldspar porphyritic sections and unit becomes greener down hole. There are two silica rich bands or layers and small quartz veins.											
	255.0	End of Hole Acid Tests 102.0m -70° 200.0m -70°											

DIAMOND DRILL CORE LOG-SUMMARY SHEET

Project: Enid Creek -Loveland Township
Date: November 22 to 26, 2000
Logged by: Robert Calhoun
Drilling Co: Colbert Drilling

DDH: EL25-07

Claim Number: P. 1037161

COLLAR LOCATION: L50185N/10150E

SURVEYS: Acid Test

	Depth	Azimuth	Dip
Setup:	0.0m	213°	-60°
	108.0m		-55°

	UTM COORDINATES	GRID COORDINATES
Northing:	5388802N	50185N
Easting:	454268E	10150E

Elevation: 0.0 meters
TD: 150.0 meters

DRILLING DATES
Started: November 22, 2000
Finished: November 26, 2000

42A12NE2044 2.25689 LOVELAND

DIAMOND DRILL SUMMARY LOG

Project: Enid Creek -Loveland Township
Date: November 22, 2000
Logged By: R. F. Calhoun

DDH: EL25-07

GEOLOGIC SUMMARY

FROM	TO	DESCRIPTION	INTERVAL			SIGNIFICANT ASSAY AVERAGES						
(m)	(m)		From (m)	To (m)	Width (m)	Cu ppm	Ni ppm	Co ppm	Pt ppb	Pd ppb	Rh ppb	Au ppb
0.0	3.0	Overburden										
3.0	70.8	Gabbro										
70.8	73.6	Andesite										
73.6	78.6	Gabbro										
78.6	85.9	Gabbro										
85.9	92.4	Gabbro										
92.4	101.2	Gabbro										
101.2	108.9	Gabbro										
108.9	109.4	Gabbro	108.9	109.4	0.5	14700	1780	140	30	260	NA	160
109.4	110.7	Massive Sulfides/Gabbro	109.4	110.7	1.3	6600	13700	690	220	1240	NA	30
110.7	133.2	Andesite										
133.2	146.2	Gabbro										
146.2	150.0	Andesite										
	150.0	End of Hole										

COMMENTS

Diamond Drill Log

Property: Enid Creek -Loveland Township
Hole Number: El25-07
Claim Number: P. 1037161
Location: 50185N/10150E
Final Depth: 150.0 meters
Logged By: Robert Calhoun
Azimuth: 213°
Dates Drilled: November 22 to 26, 2000
Drilled By: Colbert Drilling
Dip: -60°
Dates Logged: November 23 to 27, 2000
Signature:

			Assays										
From	To	Description	Sample #	From	To	Length (meter)	Cu ppm	Ni ppm	Co ppm	Pt ppb	Pd ppb	Rh ppb	Au ppb
0.0	3.0	Overburden											
3.0	70.8	Gabbro -medium to coarse grained, medium to dark grey green with colour variable due to feldspar content including accumulations, numerous leucocratic sections. Upper part of the unit has multiple silica feldspar rich "veins" ranging from white to medium grey. These "veins" can be patches discontinuous or as veins sub parallel to core axis.											
		6.9-6.95m -semi massive pyrrhotite with silica vein.	1329	6.8	7.6	0.8	2310	734	80	<5	15	NA	34
		7.1-7.6m -silica vein 2cm wide sub parallel to core axis with chalcopyrite <1% as clots to 0.5cm.											
		9.5-23.9m -"layering" due to feldspar accumulates 80° to core axis. Massive pyrrhotite veinlet at 11.77-11.80m(3cm), minor chalcopyrite. Minor sulfides in finer grained grey sections around 21.0m. Finer sections form various angles to core axis.	1330	20.7	21.7	1.0	232	133	40	<5	3	NA	7
		23.9-24.5m -fine grained, grey green with 10% pyrrhotite and <0.5% chalcopyrite. Layer is at 75° to core axis.	1331	23.9	24.5	0.6	1820	580	138	<5	7	NA	14
		24.5-35.5m -layering due to feldspar accumulates and finer layers at contorted angles and 45° to core axis(i.e. 28.9-29.3m). There are sulfides locally over <0.5m as at 31.1-31.5m mainly pyrrhotite, with minor chalcopyrite.	1332	28.1	28.9	0.8	708	263	51	<5	10	NA	24
		35.5-37.9m -fine grained, grey green, leucoxene.											
		37.9-43.6m -medium to coarse gabbro											
		43.6-45.3m -fine grained, light to medium grey, siliceous, probable andesite. There is minor hematite in some fractures. Upper contact at 20° to core axis. Lower is 40° to core axis											
		45.3-61.2m -mixed zone, mainly medium to coarse grey green gabbro with several <0.5m finer grained to fine grained grey green bands or layers.											
		61.2-67.7m -gabbroic section with quartz veining 5% as narrow 2-5cm veins 60° and											

Diamond Drill Log

Hole # EL25-07

From	To	Description	Sample #	From	To	Length (meter)	Assays Cu ppm	Ni ppm	Co ppm	Pt ppb	Pd ppb	Rh ppb	Au ppb
		sub parallel to core axis. There is some bleaching associated with the veins.											
		67.7-70.8m -gabbro, medium to fine grained, grey green to bleached green grey. There are patches of bleaches gabbro and mainly one quartz/carbonate vein that is sub parallel to core axis 68.5-69.4m. Above the quartz vein from 68.0-68.5m there is abundant green carbonate , possible fuchsite in the bleached section. The carbonate is bright emerald green. The green carbonate continues randomly along the quartz/carbonate vein noted above. This section is quite altered.	1333	68.4	69.5	1.1	15	43	11	<5	3	NA	2
70.8	73.6	Andesite -fine grained, light to medium yellow green to grey, bleached with sections of whitish bleaching as patches. There appears to be continued green carbonate in this section and local leucoxene.											
73.6	78.6	Gabbro -this section begins to 75 and ends 77.7-78.6m with a medium to fine grained dark green gabbro especially the lower section and has a coarse grained feldspar rich accumulate 75 to 77.7m. The feldspars are white. There are also white quartz nodules with some of the feldspars											
78.6	85.9	Gabbro											
		-fine to medium grained, medium grey green to green grey, although the unit appears to be fine andesite, it is medium grained with the grains and ground mass essentially the same making the coarser grains hard to see. Within the unit there are significant sulfides as noted below.	1334	78.6	80.0	1.4	84	156	27	<5	<5	NA	nil
			1335	80.0	81.4	1.4	1860	1130	92	<5	62	NA	12
			1336	81.4	82.8	1.4	2280	1080	97	<5	67	NA	22
			1337	82.8	84.0	1.2	661	594	73	<5	27	NA	3
		78.6-80.0m -gabbro 1-2% sulfides	1338	84.0	84.7	0.7	1650	1790	227	<5	26	NA	5
		80.0-82.8m -10% pyrrhotite with <0.5% chalcopyrite	1339	84.7	85.9	1.2	81	203	37	<5	<5	NA	nil
		82.8-84.0m -gabbro 1-2% sulfides											
		84.0-84.7m -10% pyrrhotite with local blebs of chalcopyrite.											
		84.7-85.9m -gabbro 1-2% sulfides quartz vein sub parallel to core axis 1 cm wide.											
85.9	92.4	Gabbro											
		-medium to coarse grained, medium to dark green grey to whitish leucocratic in areas of feldspar accumulates. There is one vein of quartz with feldspars at 88.1-88.3m. Sulfides of pyrrhotite/pyrite occur randomly as noted below.	1340	85.9	87.0	1.1	627	1270	91	<5	72	NA	9
			1341	87.0	88.1	1.1	940	999	96	<5	86	NA	10
			1342	88.1	90.0	1.9	112	125	25	<5	5	NA	nil
		85.9-88.1m -5-10% pyrrhotite with pyrite nodules and <0.5% chalcopyrite	1343	90.0	91.4	1.4	461	224	39	<5	34	NA	15
		88.1-92.4m -pyrrhotite with pyrite 2% to local 5% in coarse gabbro with feldspars.	1344	91.4	92.4	1.0	1070	364	44	<5	62	NA	9
92.4	101.2	Gabbro	1345	92.4	94.0	1.6	1780	991	85	33	207	NA	24
		-medium to coarse grained gabbro, medium green to dark green. There are layers which are finer grained. Dark green. The unit has an overall "layered" appearance. There are significant sulfides and there are appreciable amounts of pyrite as clots small	1346	94.0	95.4	1.4	605	250	39	5	36	NA	10
			1347	95.4	96.5	1.1	2360	1400	86	31	281	NA	17
			1348	96.5	98.6	1.6	2760	1230	98	45	300	NA	39

Diamond Drill Log

Hole # EI25-07

From	To	Description	Sample #	From	To	Length (meter)	Assays Cu ppm	Ni ppm	Co ppm	Pt ppb	Pd ppb	Rh ppb	Au ppb
		discontinuous laminae. The predominant sulfide is pyrrhotite but this is the highest	1349	98.6	100.0	1.4	152	256	37	<5	15	NA	3
		percentage of pyrite seen to date. Chalcopyrite is as exsolutions from the pyrrhotite and	1350	100.0	101.2	1.2	1880	1230	96	58	223	NA	36
		as individual disseminated grains. There are small fracture fillings of sphalerite around	52505	101.2	103.2	2.0	290	501	55	22	82	NA	5
		96m(95.8-96.1m) in areas of higher pyrite. The total sulfide in this section is 10% , local	52506	103.2	105.0	1.8	213	554	62	14	22	NA	3
		15% over short sections. Chalcopyrite is <0.5 to 1% locally. There was lost core,	52507	105.0	106.0	1.0	171	512	53	15	10	NA	3
		(sample # 1348) open spaces between 96.0m and 99.0m approximately 0.5m.	52508	106.0	107.4	1.4	283	556	55	21	27	NA	nil
101.2	108.9	Gabbro -medium to coarse grained, dark green, possible chlorite altered with minor sulfides of pyrrhotite, pyrite and trace chalcopyrite. There is a slight increase in sulfides from 107.4-108.9m.	52501	107.4	108.9	1.5	716	735	77	5	41	NA	7
108.9	109.4	Gabbro -as above except there are large clots of chalcopyrite with pyrrhotite. Chalcopyrite 1-2% overall but concentrated in the upper 10cm (108.9-109.0m).	52502	108.9	109.4	0.5	14700	1780	140	30	260	NA	160
109.4	110.7	Massive Sulfides/Gabbro -this section is 60% massive pyrrhotite bands in gabbro as above chalcopyrite is 2-3% as large clots, blobs in the pyrrhotite. The upper section of the unit is nearly massive pyrrhotite 109.4-109.9m with 3-4% chalcopyrite.	52503	109.4	110.7	1.3	6600	13700	690	220	1240	NA	30
110.7	133.2	Andesite -fine grained, medium to dark (down hole) green. There are random carbonate/quartz veins. The unit is locally bleached and may in part be siliceous (120-125.5m). There are minor sulfides of mainly chalcopyrite near the upper contact. The andesite is massive with only a few layering features locally.	52504	110.7	112.4	1.7	1500	206	26	49	324	NA	102
133.2	146.2	Gabbro (pyroxenite) -medium grained, dark green massive with pyroxene as matrix and as coarser grains. The unit has numerous fractures at 40°, 60°, 80° to core axis. There may be local leucoxene as at 142.3-143.0m.											
146.2	150.0	Andesite -fine grained, medium green to green grey, massive with only minor quartz veining to laminae in fractures.											
	150.0	End of Hole											
		Acid Test 108m -55°											

DIAMOND DRILL CORE LOG-SUMMARY SHEET

Project: Enid Creek -Loveland Township
Date: November 27 to December 2, 2000
Logged by: Robert Calhoun
Drilling Co: Colbert Drilling

DDH: EL25-08

Claim Number: P. 1037161

COLLAR LOCATION: L50150N/10250E

SURVEYS: Acid Test

	Depth	Azimuth	Dip
Setup:	0.0m	270°	-70°

	UTM COORDINATES	GRID COORDINATES
Northing:	5388763N	50150N
Easting:	454376E	10250E

Elevation: 0.0 meters
TD: 186.0 meters

DRILLING DATES
Started: November 27, 2000
Finished: December 2, 2000

DIAMOND DRILL SUMMARY LOG

Project: Enid Creek -Loveland Township
Date: November 27, 2000
Logged By: R. F. Calhoun

DDH: EL25-08

GEOLOGIC SUMMARY

FROM	TO	DESCRIPTION	INTERVAL			SIGNIFICANT ASSAY AVERAGES						
(m)	(m)		From (m)	To (m)	Width (m)	Cu ppm	Ni ppm	Co ppm	Pt ppb	Pd ppb	Rh ppb	Au ppb
0.0	1.7	Overburden										
1.7	17.0	Gabbro										
17.0	30.3	Gabbro										
30.3	81.2	Gabbro										
81.2	85.8	Andesite/Gabbro										
85.8	123.0	Gabbro										
123.0	130.8	Gabbro										
130.8	138.6	Gabbro	134.6	136.0	1.4	2980	1380	105	34	192	n/a	48
138.6	149.0	Gabbro	145.2	146.5	1.3	2620	2060	136	43	230	n/a	27
149.0	157.4	Gabbro										
157.4	186.0	Andesite										
	186.0	End of Hole										

COMMENTS

Diamond Drill Log

Property: Enid Creek -Loveland Township
Hole Number: EL25-08
Claim Number: P.1037161
Location: L50150N/10250E
Final Depth: 186.0 meters
Logged By: Robert Calhoun
Azimuth: 270°
Dates Drilled: November 27 to December 2, 2000
Drilled By: Colbert Drilling
Dip: -70°
Dates Logged: November 28 to December 3, 2000
Signature:

From	To	Description	Assays										
			Sample #	From	To	Length (meter)	Cu ppm	Ni ppm	Co ppm	Pt ppb	Pd ppb	Rh ppb	Au ppb
0.0	1.7	Overburden											
1.7	17.0	Gabbro -medium to coarse grained, medium to dark grey gabbro with white feldspars. This section is mixed with the gabbro interlayered with fine grained, spotted possibly fine grained gabbro or andesite with dark grey quartz spots or phenocrysts. There is a section of feldspar enrichment 11.9-13.1m. The unit is locally broken to crushed below 14.5m.											
17.0	30.3	Gabbro -medium to coarse grained, medium to locally dark green with coarse white feldspars and locally pink feldspars, random in occurrence but in crude layers. The unit locally appears bleached. 23.0-25.2m -fine grained, medium to dark grey. This section has minor pyrite as disseminations and fracture laminae. There is minor pyrrhotite near lower contact associated with a quartz vein.											
30.3	81.2	Gabbro -coarse grained, medium to dark grey green with white feldspars and pale green saussauritized feldspars with diffuse edges. The unit is massive with only minor small fine grained "veins" of probable chlorite-possibly mixed with carbonate. There are minor quartz veins. Down hole the feldspars become more distinct and locally the colour becomes weakly paler over 1-2m. 65.9-68.0m -fine grained, medium to dark green grey. The unit is leucoxenitic and has minor disseminated pyrite. There is a mixing of the unit with the gabbro near the contact and there is pyrrhotite over 10-20cm at the contact. 77.4-78.0m -slightly layered appearance to the unit with several clots to blebs of	52509	77.4	78.0	0.6	484	190	24	22	31		15

Diamond Drill Log

Hole # EL25-08

From	To	Description	Sample #	From	To	Length (meter)	Assays Cu ppm	Ni ppm	Co ppm	Pt ppb	Pd ppb	Rh ppb	Au ppb
		chalcopyrite. There are minor garnets developed near a quartz vein in the lower contact area.											
81.2	85.8	Andesite/Gabbro -this section is dominated by a fine to medium grained andesitic unit, dark green to green interlayered with 10-20cm gabbro sections, medium to coarse grained. The andesite sections maybe fine gabbro.											
85.8	123.0	Gabbro -medium to coarse grained, medium grey green with local whitish grey sections in increase feldspar and silica. The unit is quite consistent, massive with a few minor quartz veins. There is only minor fracturing at mainly 60° to core axis averaging one fracture per 2 meters. There is one quartz vein at 120.9-121.1m with 3-5% pyrite.											
123.0	130.8	Gabbro -medium to coarse grained, medium grey green as above but in this section the gabbro is also dark green, medium grained, has local quartz veining with some sulfides of pyrite and has medium to coarse grained feldspar accumulates. The unit generally appears more altered than the above gabbro. The lower contact is crushed, broken with quartz veining. There was about 30cm of core lost in the contact area.	52510	129.0	130.8	1.8	41	186	28	7	5		3
130.8	138.6	Gabbro -medium to coarse grained, medium grey green with feldspar accumulates and local quartz. The unit displays a crude layering due to the feldspars which occur as clusters with no discernible orientations. There are dark green "veins" of chlorite. The unit is mineralized with pyrrhotite, pyrite and chalcopyrite as clots disseminations. There are rough layers with increased sulfides but the unit is fairly uniformly mineralized. The sulfide content is <0.5% to very local 1%. There are sections of crushing and there are some fractures sub parallel to core axis.	52511 52512 52513 52514 52515 52516	130.8 132.0 133.5 134.6 136.0 137.5	132.0 133.5 134.6 136.0 137.5 138.6	1.2 1.5 1.1 1.4 1.5 1.1	2890 996 1810 2980 728 852	1550 716 1030 1380 772 841	113 61 73 105 71 69	24 27 26 34 14 38	74 69 125 192 144 194		27 19 17 48 5 9
138.6	149.0	Gabbro -medium to coarse grained feldspar rich, medium grey green as above. Feldspars occur as cumulate "layer" to evenly distributed. There is local alteration possible chlorite where the sulfides occur and there is one large siliceous "layer" pale grey 139.3-139.9m forming contacts upper at 10°, lower crushed and broken as is core below the section. 143.8-146.5m -pyrite, pyrrhotite sulfides with disseminated grains of chalcopyrite. Total sulfide 1-3% as fine disseminations and small clots.	52517 52518	143.8 145.2	145.2 146.5	1.4 1.3	1320 2620	581 2060	49 136	15 43	72 230		12 27
149.0	157.4	Gabbro medium grained, dark green grey, feldspars are not distinct except in small layers, there is an increase in quartz/carbonate veins, small <1cm. The lower contact zone	52519	156.4	157.4	1.0	1150	1240	84	15	130		17

Diamond Drill Log

Hole # EL25-08

			Assays										
From	To	Description	Sample #	From	To	Length (meter)	Cu ppm	Ni ppm	Co ppm	Pt ppb	Pd ppb	Rh ppb	Au ppb
		156.3-157.4m is fine grained maybe chilled margin with minor to 3% sulfides of mainly pyrite with minor sphalerite. The contact is a 30cm quartz vein 157.1-157.4m, white to dark grey with 3% pyrite, sphalerite. Contact crushed.											
157.4	186.0	Andesite -fine grained, medium grey to grey green, massive except for infrequent altered "veins", light grey to pinkish. There are minor quartz veins <0.5cm. There is possible flow layering around 171m and there are amygduloidal sections from 183.0-185.0m with amygdules to 1cm. There may also be flow banding at 176.4 to 178.0m.											
	186.0	End of Hole											

Work Report Summary

Transaction No: W0360.00883 **Status:** APPROVED
Recording Date: 2003-MAY-26 **Work Done from:** 2000-NOV-10
Approval Date: 2003-MAY-27 **to:** 2000-DEC-02

Client(s):

130679 FALCONBRIDGE LIMITED

Survey Type(s):

PDRILL

Work Report Details:

Claim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
P 1037149	$0	$0	$400	$400	$0	0	$0	$0	2004-MAY-26
P 1037154	$0	$0	$400	$400	$0	0	$0	$0	2004-MAY-26
P 1037155	$0	$0	$400	$400	$0	0	$0	$0	2004-MAY-26
P 1037160	$0	$0	$400	$400	$0	0	$0	$0	2004-MAY-26
P 1037161	$13,824	$13,824	$400	$400	$4,000	4,000	$9,424	$9,424	2004-MAY-26
P 1037162	$0	$0	$400	$400	$0	0	$0	$0	2004-MAY-26
P 1037163	$0	$0	$400	$400	$0	0	$0	$0	2004-MAY-26
P 1037164	$0	$0	$400	$400	$0	0	$0	$0	2004-MAY-26
P 1037165	$0	$0	$400	$400	$0	0	$0	$0	2004-MAY-26
P 1037168	$0	$0	$400	$400	$0	0	$0	$0	2004-MAY-26
P 1037169	$0	$0	$400	$400	$0	0	$0	$0	2004-MAY-26
	$13,824	$13,824	$4,400	$4,400	$4,000	$4,000	$9,424	$9,424	

External Credits: $0

Reserve:

$9,424 Reserve of Work Report#: W0360.00883

$9,424 Total Remaining

Status of claim is based on information currently on record.

42A12NE2044 2.25689 LOVELAND

900

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

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

Date: 2003-MAY-28

FALCONBRIDGE LIMITED
800-207 QUEEN'S QUAY WEST
TORONTO, ONTARIO
M5J 1A7 CANADA

Submission Number: 2.25689
Transaction Number(s): W0360.00883

Dear Sir or Madam

Subject: Approval of Assessment Work

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

If you have any question regarding this correspondence, please contact STEVEN BENETEAU by email at steve.beneteau@ndm.gov.on.ca or by phone at (705) 670-5855.

Yours Sincerely,

Sheila Lessard
Acting Senior Manager, Mining Lands Section

Cc: Resident Geologist

Falconbridge Limited
(Claim Holder)

Dean Rogers
(Agent)

Assessment File Library

Falconbridge Limited
(Assessment Office)

ONTARIO CANADA

MINISTRY OF NORTHERN DEVELOPMENT AND MINES
PROVINCIAL MINING RECORDER'S OFFICE

Mining Land Tenure Map

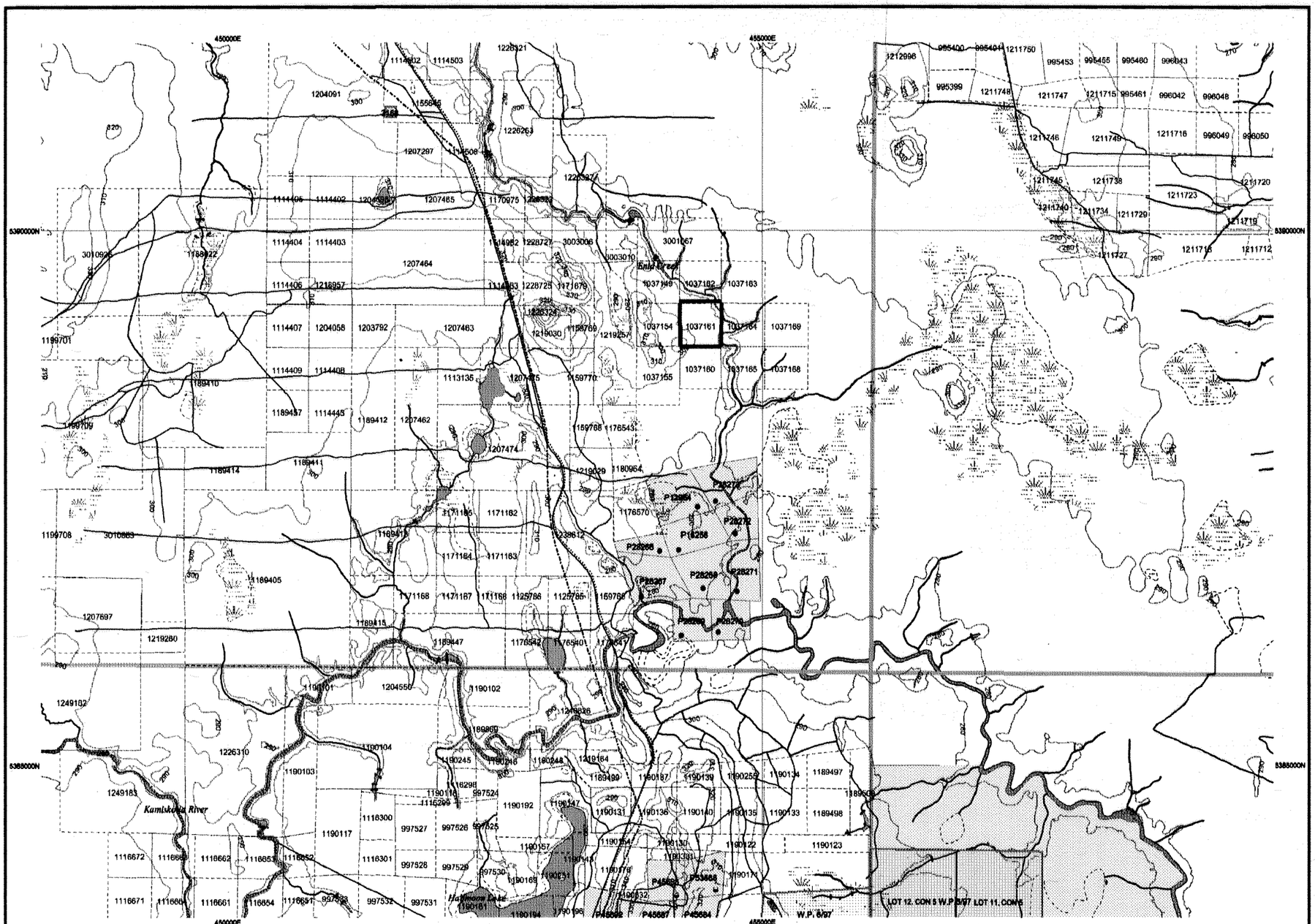
Date / Time of Issue: Wed May 28 09:56:54 EDT 2003

TOWNSHIP / AREA
LOVELAND

PLAN
M-0293

ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division	Porcupine
Land Titles/Registry Division	COCHRANE
Ministry of Natural Resources District	TIMMINS



TOPOGRAPHIC
- Administrative Boundaries
- Township
- Concession, Lot
- Provincial Park
- Indian Reserve
- Cliff, Pit & Pile
- Contour
- Mine Shafts
- Mine Headframe
- Railway
- Road
- Trail
- Natural Gas Pipeline
- Utilities
- Tower

Land Tenure

Freehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Leasehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Licence of Occupation
- Uses Not Specified
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only
- Land Use Permit
- Order In Council (Not open for staking)
- Water Power Lease Agreement
- 1234567 Mining Claim
- 1234567 Filed Only Mining Claims

LAND TENURE WITHDRAWALS
- 1234 Areas Withdrawn from Disposition

Mining Acts Withdrawal Types
- Wsm Surface And Mining Rights Withdrawn
- Ws Surface Rights Only Withdrawn
- Wm Mining Rights Only Withdrawn

Order In Council Withdrawal Types
- W's/m Surface And Mining Rights Withdrawn
- W's Surface Rights Only Withdrawn
- W'm Mining Rights Only Withdrawn

Ns IMPORTANT NOTICE

Scale 1:40000
700m 0m 2.1km

LAND TENURE WITHDRAWAL DESCRIPTIONS

Identifier	Type	Date	Description
3137	Wsm	Jan 1, 2001	FLOODING RIGHTS RESERVED TO ONTARIO HYDRO, LO 7065
3168	Wsm	Jan 1, 2001	400 FEET SURFACE RIGHTS RESERVATION ALONG THE SHORE
3297	Wsm	Jan 1, 2001	PROPOSED SURFACE RIGHTS DISPOSITION UNDER P.L.A. NOTI
FO	Wsm	Oct 11, 2001	Filed Only 1238499
W-P-61/00	Wsm	Dec 7, 2000	Sec.38 W-P-61/00 07/12/2000 M&S 195150
W.P. 6/97	Wsm	Apr 28, 1997	MINING AND SURFACE RIGHTS WITHDRAWN UNDER SECTION 3
W.P.6/97	Wsm	Apr 28, 1997	MINING AND SURFACE RIGHTS WITHDRAWN UNDER SECTION 3

2.25689
PDRILL

Those wishing to stake mining claims should consult with the Provincial Mining Recorders' Office of the Ministry of Northern Development and Mines for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources.

The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Northern Development and Mines web site.

General Information and Limitations

Contact Information:
Provincial Mining Recorders' Office
Willet Green Miller Centre 933 Ramsey Lake Road
Sudbury ON P3E 6B5
Home Page: www.mndm.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Toll Free
Tel: 1 (888) 415-9845 ext 5716
Fax: 1 (877) 670-1444

Map Datum: NAD 83
Projection: UTM (6 degree)
Topographic Data Source: Land Information Ontario
Mining Land Tenure Source: Provincial Mining Recorders' Office

This map may not show unregistered land tenure and interests in land including certain patents, leases, easements, right of ways, flooding rights, licences, or other forms of disposition of rights and interest from the Crown. Also certain land tenure and land uses that restrict or prohibit free entry to stake mining claims may not be illustrated.

EXPLORERS ALLIANCE CORPORATION

ENID CREEK PROJECT

GEOLOGICAL COMPILATION

SCALE (metres)

0 25 50

L 50625 N

454100mE

P 1037149

P 1037162

L 50500 N

5389000mN

P 1037161

N

5389000mN

L 50375 N

P 1037154

L 50250 N

EL25–06
L 50200 N, 10325mE
Az 270°, Dip −70°

255.00 m.
EL25–06

Andesite
Gabbro-sulfides Porphyritic Andesite
Gabbro
Gabbro
Gabbro
Gabbro
Gabbro
Andesite
Gabbro
Gabbro
Andesite
Gabbro

EL25–07
L 50185 N, 10150mE
Az 213°, Dip −60°

150.00 m.
EL25–07

Gabbro
Andesite
Gabbro
Gabbro
Gabbro
Gabbro
Gabbro
Gabbro
Massive Sulfides/Gabbro
Andesite
Gabbro (pyroxenite)
Andesite

186.00 m.
EL25–08

EL25–08
L 50150 N, 10250mE
Az 270°, Dip −70°

Andesite
Gabbro
Gabbro
Gabbro
Gabbro
Gabbro
Gabbro
Andesite/Gabbro
Gabbro
Gabbro
Gabbro

5388700mN

L 50125 N

P 1037155

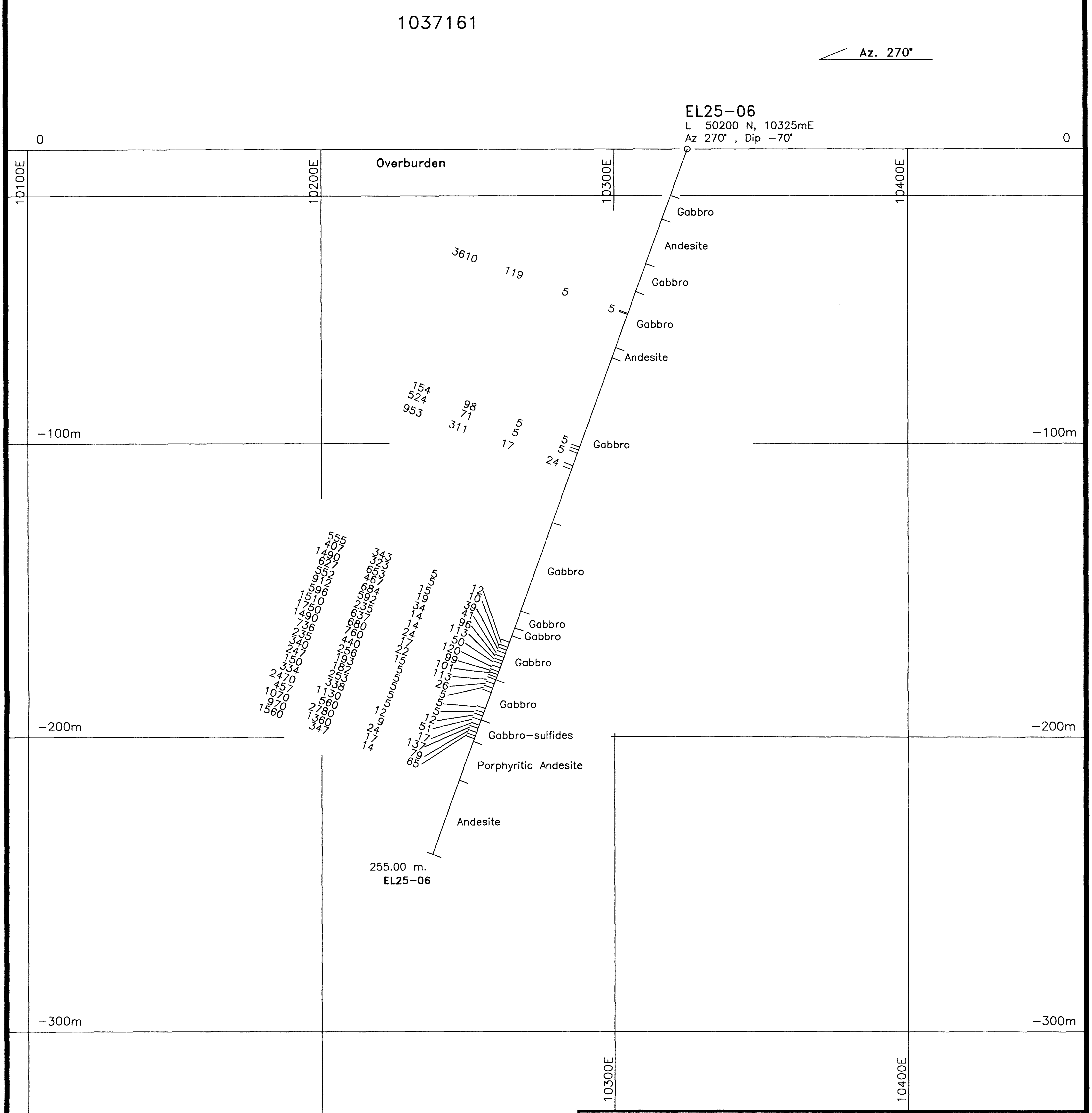
BL 10000 E

L 50000 N

454100mE

P 1037160

FILE : ENIDCR8



EXPLORERS ALLIANCE CORPORATION

Exploration Timmins, ONTARIO

ENID CREEK PROJECT

LOVELAND TOWNSHIP

SECTION 50200 N
DDH EL25-06

Assays Cu, Ni ppm; Pt, Pd ppb

TRACED:	DATE:	NTS: 42-A/12	PROJECT: 8142
DRAWN: del DRAFTING	DATE: 29/11/2000	MAP No:	FILE: EL2506
SUPERVISED: R Calhoun	DATE: 28/11/2000	SCALE [redacted] (metres)	0 10 20 30 40
REVISED:	DATE:		

1037161

230

Az. 213°

EL25-07
L 50185 N, 10150mE
Az 213° , Dip −60°

0 0

9900E 10000E 10100E 10200E

Overburden

Gabbro
Andesite
Gabbro
Gabbro
Gabbro
Gabbro
Gabbro
Gabbro
Massive Sulfides/Gabbro
Andesite
Gabbro (pyroxenite)
Andesite

14700 6600 1780 13700 30 220 260 1240

150.00 m.
EL25-07

−100m −100m

−200m −200m

−300m −300m

−400m

9900E 10000E 10100E 10200E

EXPLORERS ALLIANCE CORPORATION

Exploration Timmins, ONTARIO

ENID CREEK PROJECT
LOVELAND TOWNSHIP

SECTION 50185 N
DDH EL25-07

Assays Cu, Ni ppm; Pt, Pd ppb

TRACED:	DATE:	NTS: 42-A/12	PROJECT: 8142
DRAWN: del DRAFTING	DATE: 29/11/2000	MAP No:	FILE: EL2507
SUPERVISED: R Calhoun	DATE: 28/11/2000	SCALE [redacted] (metres)	
REVISED:	DATE:	0 10 20 30 40	

1037161

42A12NE2044 2.25689 LOVELAND

240

Az. 270°

EL25-08
L 50150 N, 10250mE
Az 270° , Dip −70°

0 0

10000E 10100E 10200E 10300E

Overburden

Gabbro
Gabbro
Gabbro
Andesite/Gabbro
Gabbro
Gabbro
Gabbro
Gabbro
Gabbro
Andesite

484 190 22 31

41 2890 996 1810 2980 728 852 1320 2620
186 1550 716 1030 1380 772 841 581 2060 1150 1240
7 24 27 26 34 14 38 15 43 15
5 74 69 125 192 144 194 72 230 130

186.00 m.
EL25-08

−100m −100m

−200m −200m

−300m −300m

10200E 10300E

−400m

10000E 10100E

EXPLORERS ALLIANCE CORPORATION

68952 °2

Exploration Timmins, ONTARIO

ENID CREEK PROJECT

LOVELAND TOWNSHIP

SECTION 50150 N

DDH EL25-08

Assays Cu, Ni ppm; Pt, Pd ppb

TRACED:	DATE:	NTS: 42-A/12	PROJECT: 8142
DRAWN: del DRAFTING	DATE: 23/12/2000	MAP No:	FILE: EL2509
SUPERVISED: R Calhoun	DATE: 22/12/2000	SCALE [redacted] (metres)	
REVISED:	DATE:	0 10 20 30 40	