



31M03NW0016 24 SOUTH LORRAIN

010

# Diamond Drilling

Township of So. Lorrain

Report NO: 24

Work performed by: Elite Cobalt

Claim NO	Hole NO	Footage	Date	Note
T 35918	E-3		Nov/56	
	E-4		Nov/56	
	E-5		Nov/56	
	E-6		Nov/56	

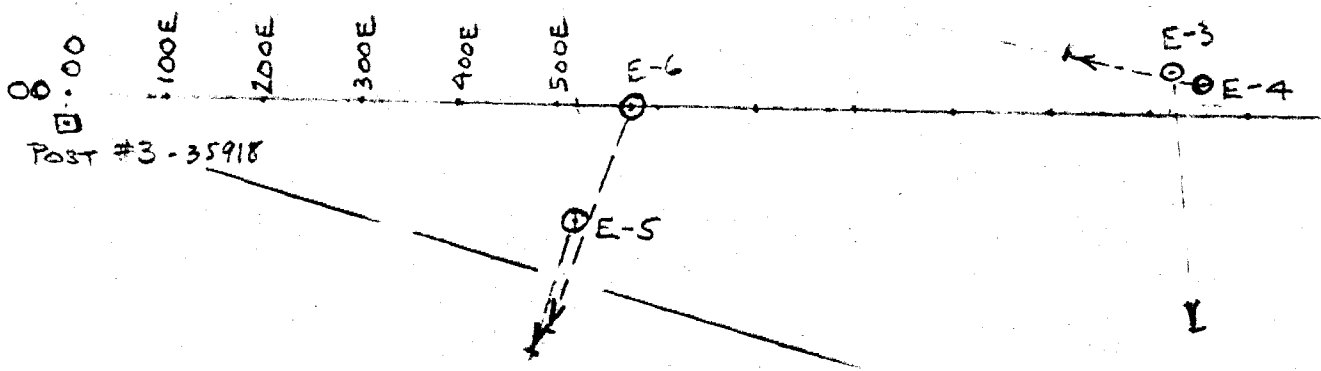
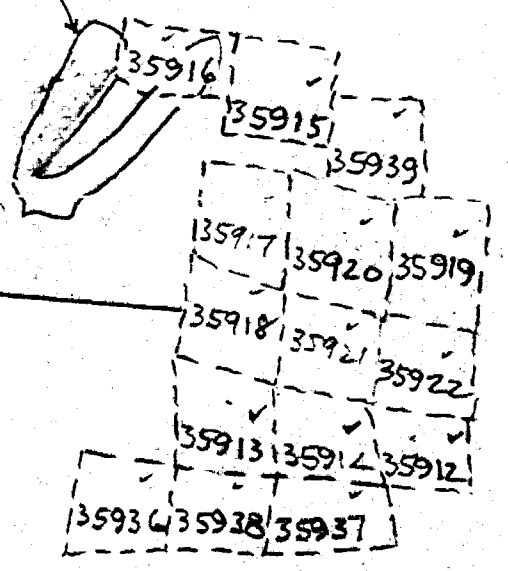
Notes:

NORTH MAGNETIC

CLAIM #35918

ELITE COBALT MINES LTD  
GROUP - 18 UNPATENTED  
MINING CLAIMS:  
35902 - 35922 (INCL.)  
35936 - 35939 (INCL.)

OX-BOW  
LAKE



BASE LINE (E-W MAGNETIC)

00 NORTH

SOUTH LORRAIN TWP, ONT.

TIMISKAMING MINING DIVISION

ELITE COBALT MINES LTD.

South Lorraine Township

Timiskaming Mining Division

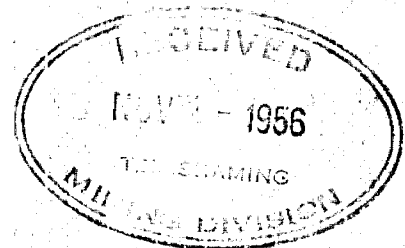
Log D.D.H. #E-3

Collar location: Claim #35918  
Latitude 47N  
Departure 1121E

Bearing of hole S 10° E (mag.)  
Dip of hole - 35°  
Hole length - 329 ft.

0 - 4 ft.	Casing
4 - 49 "	Keewatin volcanic fragmental lavas
58 - 73	Mineralized zone: a few specks to well disseminated pyrite, pyrrhotite and chalcopyrite, considerable quartz patches and a little calcite.
49 - 113	Soft intermediate to basic schistose to massive Keewatin lavas.
at 113 ft.	4" quartz vein breccia with a little pyrite.
at 143 ft.	1/2" calcite vein.
113 - 140	Keewatin volcanic fragmental lava.
140 - 143	Schistose.
143 - 147	Fragmental lava.
147 - 158	Fine grained basalt.
158 - 173	Keewatin volcanic fragmental lava.
173 - 225	Schistose to massive intermediate to basic lavas.
213 - 215	Mostly quartz.
at 223 ft.	3" quartz vein.
225 - 236	Keewatin lavas with considerable quartz.
236 - 263	Lavas, with a few hard pinkish narrow mixed calcite and quartz veinlets.
263 - 329	All massive to schistose soft Keewatin rocks.
329 ft.	End of hole.

Fred S. Dunn.



12-4-33!

ELITE COBALT MINES LTD.

South Lorraine Township

Timiskaming Mining Division

Log D.D.H. #E-4

Collar location: Claim #35918

Bearing of hole N 65°W (mag.)

Latitude - 34N

Dip of hole - 44°

Departure - 1154E

Hole length - 204 ft.

- 0 - 10 ft. Casing.
- 10 - 25 ft. Mixed fine and coarse fragmental Keewatin lavas.
- 25 - 75 Zone of economic interest: Several narrow veinlets of white and pinkish calcites, and quartz-calcite in joints, fractures and faults. A few specks of pyrite, galena and chalcopyrite in places. The rock is mixed coarse and fine fragmental Keewatin lavas.
- 72 - 74 Well to disseminated chalcopyrite and galena.
- at 73 1/2 ft. Massive galena veinlet 1/4 inches wide.
- 75 - 100 Mixed, mostly coarse fragmental Keewatin lavas with epidote alteration in spots.
- 102 - 107 Mineralized zone: Disseminated chalcopyrite, galena, pyrrhotite and pyrite.
- 107 - 110 A few specks to disseminated pyrite and pyrrhotite.
- 110 - 113 Mineralized zone: Disseminated chalcopyrite and galena.
- at 118 ft. Narrow quartz-calcite veinlet, 1/2 inches wide, some chalcopyrite and galena.
- 118 - 124 Zone of economic interest: A little calcite filled fracturing with slight chalcopyrite and galena mineralization.
- 100 - 204 Mixed coarse and fine fragmental Keewatin lavas and some massive basalt; epidote alteration in spots.
- 183 - 204 Zone of economic interest: Several soft white calcite veinlets in joints and fractures.
- 204 ft. End of hole.

Fred S. Dunn.

ELITE COBALT MINES LTD.

South Lorraine Township

Timiskaming Mining Division

Log D.D.H. #E-5

Collar location: Claim #35918  
Latitude - 123S  
Departure - 519E

Bearing of hole - S 22°W  
Dip of hole - 45°  
Hole length - 208 ft.

0 - 12 ft.	Casing
12 - 60 ft.	Interbedded coarse and fine fragmental Keewatin lavas.
60 - 71	Massive to schistose basaltic lavas.
71 - 86	Coarse and fine fragmental lavas.
86 - 88	Fine grained basalt.
88 - 90½	Coarse fragmental Keewatin lava with spots of epidote alteration.
90½ - 92	Fine Keewatin basalt.
92 - 100	Fine to medium fragmental Keewatin lavas.
100 - 107	Mostly fine basaltic lava.
107 - 116	Coarse fragmental Keewatin lavas.
116 - 117	Very hard cherty quartz.
88 - 122	Mineralized zone: A few specks to disseminated pyrite pyrrhotite, chalcopyrite and galena.
at 103 ft.	Well mineralized, galena and some chalcopyrite.
at 105 ft.	Disseminated chalcopyrite and galena.
at 113 ft.	A little chalcopyrite and galena.
118 - 122	A few specks to disseminated mineral.
122 - 150	Mostly dark massive basalt.
at 138 ft.	A few specks of mineral.
150 - 160	Fine massive fragmental Keewatin lavas.
at 154 ft.	Grooved joint, possible fault.
at 159½ ft.	Grooved joint, possible fault, some reddish feldspathic material.
at 160 ft.	Grooved joint, possible fault.
160 - 173	Coarse massive fragmental Keewatin lavas.
173 - 178	Fine massive fragmental.
178 - 183	Fine schistose basalt.
181 - 183	Mineralized zone: a few specks to disseminated pyrite, pyrrhotite, some chalcopyrite and traces of galena.
at 183 ft.	Well mineralized white calcite veinlet 1/8 inches wide, chalcopyrite, pyrrhotite and pyrite.
183 - 192	Fine grained basaltic, schistose Keewatin.
192 - 199	Mixed, fine and coarse fragmental lavas.
199 - 202	Fine grained basaltic, schistose Keewatin.
202 - 208	Mixed fine and coarse fragmental Keewatin lavas.
208 ft.	End of hole.

Fred S. Dunn.

ELITE COBALT MINES LTD.

South Lorraine Township

Timiskaming Mining Division

Log D.D.H. #E-6

Collar location: Claim #35918  
Latitude - 00N  
Departure - 576E

Bearing of hole - S 22° W (mag.)  
Dip of Hole - 60°  
Hole length - 501 ft.

0 - 6 ft.	Casing.
6 - 42 ft.	Mostly coarse fragmental Keewatin lavas; some epidote alteration.
42 - 64 ft.	Fine fragmental and basaltic Keewatin lavas.
64 - 82 ft.	Mostly coarse fragmental Keewatin lavas.
70 - 96	Zone of economic interest: A few narrow white calcite veinlets in joints and fractures, a few specks pyrite and chalcopryrite.
82 - 247	Alternating beds of fine and coarse fragmental and basaltic Keewatin lavas; epidote alteration in places.
130 - 135	Zone of economic interest: A 6 inch white quartz vein and two narrow white calcite veinlets.
247 - 258	Hard pinkish feldspathic fragmental rock.
at 254 ft.	Quartz vein, white, 6 inches wide.
258 - 281	Schistose fine fragmental to basaltic Keewatin lavas.
281 - 325	Mostly coarse fragmental lava with conspicuous epidote alteration.
at 287 ft.	$\frac{1}{4}$ inch veinlet of cream coloured calcite with slight galena and chalcopryrite.
307 - 314	Zone of economic interest: Two white calcite veinlets and a little chalcopryrite in epidote and reddish feldspathic material.
325 - 345	Schistose fine fragmental to basaltic Keewatin lavas.
333 - 344	Zone of economic interest: Four narrow calcite veinlets in joints and fractures.
344 - 385	Interbedded coarse to fine fragmental and basaltic Keewatin lavas.
at 365 ft.	A little pyrrhotite, chalcopryrite and fine galena.
385 - 395	Fine grained acidic fragmental.
389 - 390	Mostly quartz.
395 - 501	Mineralized zone: A few scattered specks to disseminated mineral, mostly pyrrhotite and pyrite, occasional galena and chalcopryrite in fine grained fragmental and basaltic Keewatin lavas.
at 396 ft.	6 inches of disseminated chalcopryrite in and around a fracture striking parallel to core.
at 431 ft.	Narrow quartz veinlet with some pyrite.
501 ft.	End of hole.

Fred S. Dunn.