Diamond Drilling

Township OF SOTHMAN

Report Nº: 22

Work performed by: DOWA MINING

Claim Nº	Hole Nº	Footage	Date	Note
L. 318554	1	588'	Apr/72	(1) (2) (3)
L. 318553	2	376'	May/72	(2) (3)
		964		

Notes:

(1) #196/72 hole #1 - 0' to 148' David F. DesRosiers

(2) #195/72 hole #1 - 149' to 588' and hole #2 - 0' to 376' Armand Aube

(3) Mineral Exploration Assistance Program, 1972

REPORT
ON
DIAMOND DRILLING
ON THE
SOTHMAN TOWNSHIP CLAIMS
OF
DOWA MINING COMPANY

Toronto, Ontario.
June, 1972.

D. F. DesRosiers, B.Sc.
Watts, Griffis and McOuat Limited

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INTRODUCTION

Two diamond drill holes, 588 feet and 376 feet in length respectively, were drilled on the Sothman Township claims of the Dowa Mining Company Limited.

The drilling was carried out by Inspiration Drilling of North Bay, Ontario, and was supervised by Watts, Griffis and McOuat of Toronto.

LOCATION AND ACCESS

The claims are situated near the northwest corner of Sothman Township. An all-weather road passes north-south about 2 miles east of the property and goes north to Timmins, east to Matachewan and south to Shining Tree. A bush road passes through the property to the Grassy River (Kapiskong Lake), which is approximately the western boundary of the property. Edlestone Lake is in the north part of the property.

CLAIMS

Nineteen claims are held by or for the Dowa Mining Company.

Nursey Township:	295996, 295997, 295998, 295999, 296000, 296006, 328044, 328048
Sothman Township:	296005, 318550, 318551, 318552, 318553, 318554, 318555, 318556, 318557, 327580, 327581

Drilling was on Claims 318554, passing into 327581, and 318553.

DATES

The drilling was carried out between April 27, 1972, and May 2, 1972. Covering dates including setting up and report writing were from April 22nd to June 21st.

PREVIOUS WORK

63-139 Preliminary Report on the Property of Sirola Gold Mines Limited, Sothman and Nursey Townships, D. E. Sirola, 1947.

This report describes a dip needle survey and geological mapping. The claims largely coincide with the Nursey claims of the present group. One showing is described as:

" - a very strong gossan zone striking N 60° E, and dip appears to be vertical. Random samples from the showing assayed as high as $4.20 in gold. Sphalerite, chalcopyrite and pyrite are minerals sparingly distributed though the samples assayed".

63A-24 Geologic Report on the Property of Sirola Gold Mines Limited, Sothman and Nursey Townships, D. E. Sirola, 1948.

This report describes further work on the property. There is some confusion over two showings, one at approximately 2800 S, 6500 W on the present grid, the other at 1200 S, 5000 W. It seems probable that the above quotation refers to the latter location.

63A-32 Geologic Report of Sothman Township Claims, W. E. Clarke, 1947.

This report described geologic mapping and twelve diamond drill holes on behalf of Buffalo Ankerite. The claims mainly correspond to the Sothman claims of the present group, but extend further south. Eleven of the holes are on a showing south of the present claim group.

It is reported in "Geology of Sothman Township", E. M. Abraham, Ontario Department of Mines Annual Report, Volume LXII, Part 6, 1953, that Preston East Dome Mines Limited drilled two holes 800 feet southwest of Edlestone Lake. However, it seems probable that these were actually two of the holes drilled by Buffalo Ankerite.

63-1699 Report on Magnetic and Electromagnetic Survey in Sothman Township on behalf of Consolidated Mining and Smelting of Canada Ltd., R. A. Bosschart, H. O. Seigel and Associates, 1965.

This report describes a Turam and magnetometer survey. It states:

"Throughout the area geo-electrical distortion is low and of a random nature". A small anomaly is mentioned which is not in the present claim group. Also, "The electromagnetic survey has shown the area to be geo-electrically undisturbed" -- "The area shows only weak magnetic distortion of less than 600 gamma amplitude".

RECENT WORK

An airborne survey (Dighem) was carried out for Dowa Mining Company in the area. It was followed up by a ground electromagnetic survey, the results of which are on file with the Ontario Department of Natural Resources.

GEOLOGY

It appears that the claims are underlain by Keewatin volcanic rocks consisting of andesites and rhyolites in roughly equal proportions. In Sothman Township and in the southwestern part of the Nursey claims, these rocks are apparently overlain by flat-lying Cobalt sediments consisting mainly of conglomerate with some arkose, and close to the southeast shore of Edlestone Lake, carbonaceous schists. In these areas the volcanic rocks are sometimes exposed in lower ground.

E. M. Abraham (Geology of Sothman Township, Ontario Department of Mines, Volume LXII, Part 6, 1953), maps the northwest shore of Edlestone Lake as hybrid granite; the only exposures seen during the present work were schists of doubtful origin.

Evaluation Before Drilling

In Sothman Towship the conductors appear to be deep. It seems probable that they are in the underlying Keewatin volcanics rather than being in the overlying sediments.

One of the conductors had been drilled but this conductor did not appear to be connected with any of the other conductors. The hole intersected pyrite and graphite.

In view of the mineral values scattered throughout the area, two holes were recommended, one on each of the two biggest conductors.

Drilling

Two holes were drilled, one at 1400 N, 100 W, bearing east, inclination -50°, the other at 2000 N, 650 W, bearing 100°, inclination -50°.

The first hole passed through 35 feet of conglomerate and then through schist to a depth of 351.5 feet. It then passed through 20 feet of soapstone, possibly a highly altered diorite, and entered the first conducting material, graphitic slate, at 381 feet.

At 541 feet it entered the main conductor, a graphitic agglomerate in which cherty fragments had been almost entirely replaced by pyrite. From 548 feet to 559 feet, the pyrite content was 50%, with some zones nearly massive pyrite. Below 559 feet, the pyrite content was considerably less, about 10%. The hole ended at 565 feet.

The second hole passed from conglomerate to banded graphitic slate at 72 feet. The rock contained up to 5% pyrite.

At 117 feet the drill passed into soapstone with 6% to 7% pyrite, and back to graphitic slate at 183 feet. Lower down granitic rocks and banded gneiss were encountered as well as slate and soapstone.

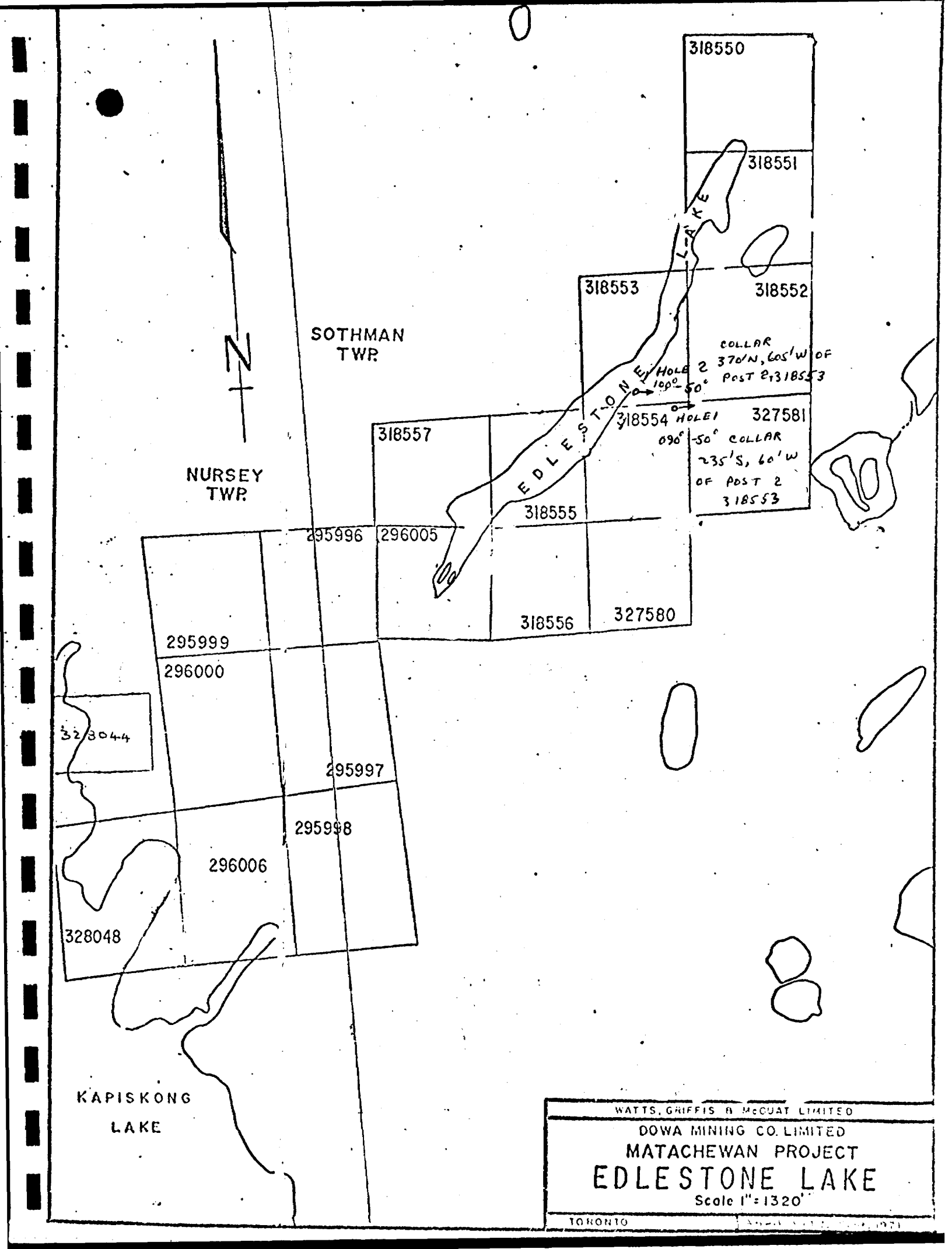
CONCLUSIONS

The pyrite and graphite in the core explain the anomalies. Since only low copper and zinc values were encountered, no further work is recommended.

Respectfully submitted,

D. F. DesRosiers, B.Sc.
Watts, Griffis and McOuat Limited

Toronto, Ontario.
June, 1972.


318550
318551
318553
318552
SOTHMAN TWP.
N
COLLAR 370'N, 605'W OF POST 2 IN 318553
HOLE 2 100°-50°
EDLESTONE LAKE
318554 HOLE 1 090°-50° COLLAR 235'S, 60'W OF POST 2 318553
327581
318557
NURSEY TWP.
318555
295996
296005
318556
327580
295999
296000
328044
295997
295998
296006
328048
KAPISKONG LAKE
WATTS, GRIFFIS & McQUAT LIMITED
DOWA MINING CO. LIMITED
MATACHEWAN PROJECT
EDLESTONE LAKE
Scale 1" = 1320'
TORONTO

TRIM LINE

W.11SI

THE TOWNSHIP OF

SOTHMAN

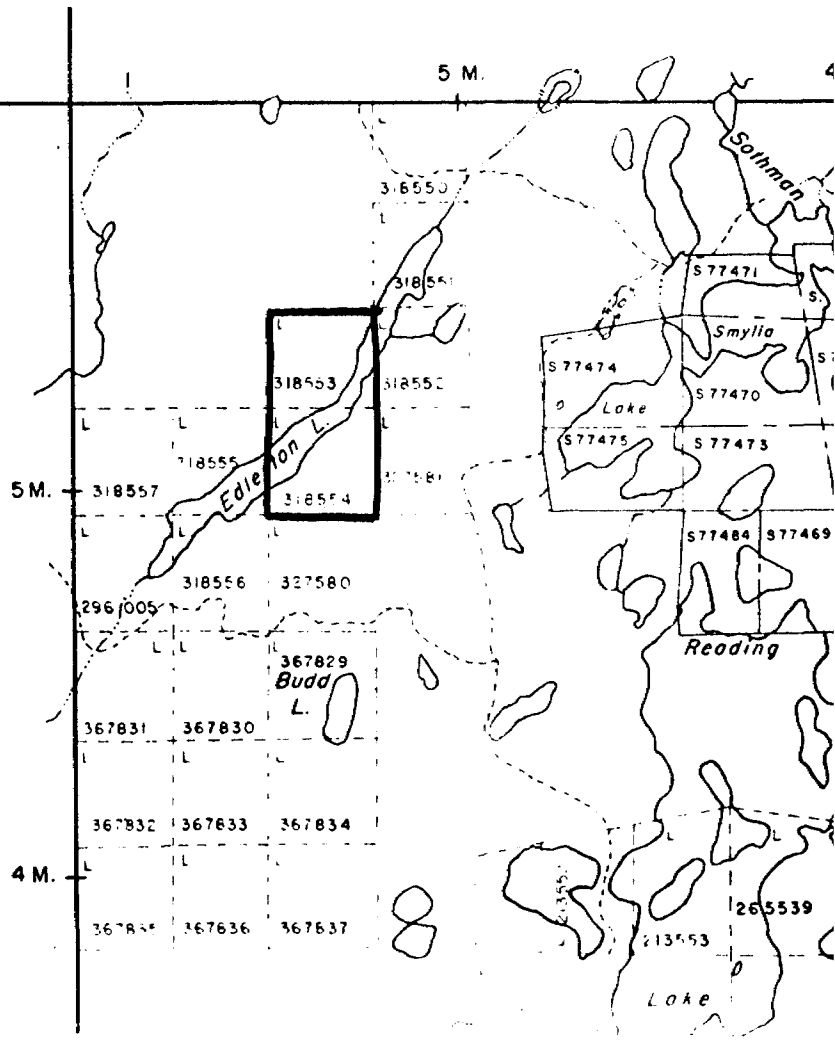
DISTRICT OF SUDBURY

LARDER LAKE MINING DIVISION

SCALE: 1-INCH=40 CHAINS

LEGEND

PATENTED



DIAMOND DRILL HOLE SUMMARY

COMPANY: Dowa Mining Company Limited
PROPERTY: Edlestone Lake

Hole No: Edlestone Lake No. 1
Claim No: 318554
Coords: 1400 N 100W
Bearing: East
Depth: 148'
Started: April 24, 1972
Drilled By: Inspiration
Core Recovery: 100% Except as noted.

Location: 47° 54' 15" N ; 81° 19' 1.2" W 41 P/14
Sothman Township
Elev: 1200'
Angle: -50 degrees
Core Size: AQ
Completed: April 27, 1972.
Logged By: D. F. Des Rosiers

Depth: 0
Survey:
Azimuth: 090° Dip: -50 degrees

D F Des Rosiers April 27/72

FROM	TO	DESCRIPTION	INTERSECTION FROM	INTERSECTION TO	INTERSECTION LENGTH	ANALYSIS			
0	10	Overburden							
10	45	Conglomerate, consisting of pebbles of quartz, chert and plagioclase and boulders of granite and diorite. Most fragments rounded or semi-rounded with few angular fragments. Core broken up and recoveries fair. Recovery: 10' - 16' 60% 16' - 37' 90 - 95% 37' - 45' 25%							
45	45.5	No Core.							
45.5	351.5	Schist. Light, medium green to grey-green with many calcite and quartz veins and stringers. There is a minor amount of disseminated pyrite and cubes throughout the core but generally associated with the calcite and quartz (pyrite less than ½%). Recovery 100%. Calcite and quartz 20 - 30% of core. Core easily cut with knife and feels talcose in places. 87 - 88' calcite & quartz 50% of core. 136' - 137.6' Calcite and quartz 80% of core.							

DIAMOND DRILL HOLE SUMMARY

COMPANY: Dowa Mining
PROPERTY: ~~Edlestone Lake~~

Hole N. 1
Claim No: Location: Depth: Survey:
Coords: Elev: Azimuth: Dip:
Bearing: Angle:
Depth: Core Size:
Started: Completed:
Drilled By:
Core Recovery: Logged By:

FROM	TO	DESCRIPTION	INTERSECTION FROM	INTERSECTION TO	INTERSECTION LENGTH	ANALYSIS			
		195 - 195.5 Pyrite cubes 1-2% of core.							
		265 - 308 Calcite and silica 30 -40% of core.							
		338.5 - 339.3 2 - 3% pyrite.							
351.5	360.5	Tuffaceous dacite. gray-green with calcite as matrix material and veins and veinlets. Mineralization 1% disseminated pyrite and pyrrhotite with traces of chalcopyrite. Contact with above schist 15 degrees to core axis (almost down core).							
360.5	381	Soapstone. Green-gray-brown where heavily mineralized. Calcite in patches and fractures. Banding (where present) at 35 degrees to core axis. Some sections are tuffaceous dacite. Contact with above rock 30 degrees to core axis. Mineralization pyrite and pyrrohtite with traces of chalcopyrite. Very finely disseminated except few patches of pyrite.							
		360.5' - 365' 2% pyrrhotite, 3% pyrite, trace chalcopyrite.							
		365' - 366.5' 5% pyrrhotite, 5% pyrite.							
		366.5 - 371.5' 2% pyrrhotite, 3% pyrite.							
		371.5 - 373.0' 7% pyrrhotite, 2% pyrite.							
		373.0 - 375.0' 10 - 15% pyrrhotite.							
		375.0 - 381.0' 3% pyrrhotite, 5% pyrite.							
		Contact with rock below brecciated and almost at 90 degrees to core axis. 10% calcite as matrix material.							
		.../3							

HPS-6460

DIAMOND DRILL HOLE SUMMARY

COMPANY: Dowa Mining Company Limited
PROPERTY: Edlestone Lake

Hole No.: 1
Claim No: Location: Depth: Survey:
Coords: Elev: Azimuth: Dip:
Bearing: Angle:
Depth: Core Size:
Started: Completed:
Drilled By:
Core Recovery: Logged By:

FROM	TO	DESCRIPTION	INTERSECTION FROM	INTERSECTION TO	INTERSECTION LENGTH	ANALYSIS			
381	399	Mineralized graphitic slate black with graphitic partings. There are 3 types of mineralization: disseminated and bands within the rock; small patches of massive pyrite and veins of calcite with pyrite; and brown mineral (sphalerite?) with some chalcopyrite is also disseminated through the rock in places. The disseminated mineralization is very fine and minerals hard to distinguish.							
		381-387.5 5-7% pyrite: minor sphalerite; minor chalcopyrite.							
		387.5-389 Banded rhyolite. Grey with black bands at 20 degrees to core axis.							
		389-395 10% pyrite; minor sphalerite; minor chalcopyrite.							
		395-396 Breccia 5% pyrite; $\frac{1}{4}$% sphalerite; $\frac{1}{2}$% chalcopyrite.							
		396-399 10% pyrite; minor sphalerite; minor chalcopyrite.							
399	541	Mineralized banded graphitic slate. Dark grey-black with sections of light-medium-grey bands. Banding at 50 degrees to core axis and mineralization continues as above.							
		399-400 5% pyrite.							
		400-436 5-7% pyrite; minor sphalerite; minor chalcopyrite.							

DIAMOND DRILL HOLE SUMMARY

COMPANY: Dowa Mining Company Ltd.
PROPERTY: Edlestone Lake

Hole No. 1
Claim No: _____ Location: _____
Coords: _____ Elev: _____
Bearing: _____ Angle: _____
Depth: _____ Core Size: _____
Started: _____ Completed: _____
Drilled By: _____
Core Recovery: _____ Logged By: _____

Depth: _____
Survey: _____
Azimuth: _____ Dip: _____

FROM	TO	DESCRIPTION	INTERSECTION FROM	INTERSECTION TO	INTERSECTION LENGTH	ANALYSIS
		429 Banding 50 degrees to core axis.				
		434 Banding 70 degress to core axis.				
		436-437.7 40% calcite; 10% pyrite; minor chalcopyrite.				
		437.7-438.3 3% pyrite.				
		438.3-438.8 60% calcite 3% pyrite.				
		438.8-443.5 5% pyrite; ½-1% chalcopyrite.				
		443.5-447.5 10% calcite; 10% pyrite; ¼% sphalerite; ¼% chalcopyrite.				
		447.5-462 7% pyrite; minor sphalerite; ¼-½% chalcopyrite banding 15 degrees to core axis. contact with rock below 15 degrees to core axis.				
		462-467 Banded rhyolite. Light grey with black bands. 3-5% pyrite with minor sphalerite with chalcopyrite in last ½ foot. Contact with rock below 15 degrees to core axis.				
		467-477 7% pyrite; minor sphalerite; ¼-½% chalcopyrite.				
		477-483 5% pyrite; minor sphalerite; ½% chalcopyrite.				

DIAMOND DRILL HOLE SUMMARY

COMPANY: Dowa Mining Company Ltd.
PROPERTY: Edlestone Lake

Hole 1
Claim No: _____ Location: _____
Coords: _____ Elev: _____
Bearing: _____ Angle: _____
Depth: _____ Core Size: _____
Started: _____ Completed: _____
Drilled By: _____
Core Recovery: _____ Logged By: _____

Depth: _____
Survey: _____
Azimuth: _____ Dip: _____

FROM	TO	DESCRIPTION	INTERSECTION FROM	INTERSECTION TO	INTERSECTION LENGTH	ANALYSIS			
		483-501 3-5% pyrite; minor sphalerite; minor chalcopyrite.							
		501-502 Breccia 30% calcite; 3-5% pyrite.							
		502-520 5% pyrite.							
		520-539 5% pyrite; minor sphalerite; minor chalcopyrite.							
		539-541 30% recovery same as above.							
541	559	Mineralized graphitic conglomerate with semi-rounded and angular fragments of chert and green rock. Black graphitic material and pyrite as matrix material. Many patches (rounded and angular) of pyrite. Few calcite veins and veinlets. Fragments from 1/8" to 1½" with most ¼" to 3/4" and generally elongated.							
		541-548 Pyrite content 20-25%.							
		548-559 Pyrite cont. 40-60%.							
559	565	Mineralized graphitic slate black banded at 40 degrees to core axis. Graphite partings. Calcite veins and veinlets throughout. Pyrite in lenses disseminated through core and in calcite veins. Pyrite content 8-10%.							

DIAMOND DRILL HOLE SUMMARY

COMPANY: Dowa Mining Company Ltd.
PROPERTY: Edlestone Lake

Hole No. 1
Claim No: Location:
Coords: Elev:
Bearing: Angle:
Depth: Core Size:
Started: Completed:
Drilled By:
Core Recovery: Logged By:

Depth: Survey:
Azimuth: Dip:

FROM	TO	DESCRIPTION	INTERSECTION FROM	INTERSECTION TO	INTERSECTION LENGTH	ANALYSIS			
565	584.4	Mineralized graphitic conglomerate with semi-rounded and angular fragments of chert and soft green rock. Black grpahitic matrix material. Patches of calcite partially replaced with pyrite as are chert and green rock. Pyrite also disseminated in matrix material.							
		565-569 Pyrite content 30%.							
		569-578 Pyrite content 70%.							
		578-580.2 Pyrite content 40%.							
		580.2-584.4 Pyrite content 60%.							
584.4	588	Mineralized graphitic slate black with graphitic partings. Pyrite as patches and in calcite veins and veinlets with small amount of chalcopyrite and sphalerite. Pyrite 10%; minor sphalerite; minor chalcopyrite.							
588		End of hole.							

D.F. Dr Rosa
April 27/72

DIAMOND DRILL HOLE SUMMARY

COMPANY: Dowa Mining Company Limited
PROPERTY: Edlestone Lake

Hole N: Edlestone Lake No. 2
Claim No: 318553 Location: 47°54'21" N ; 81°19'16" W. 41 P/14 Depth: 0 Survey:
Coords: 2000 N 650 W Elev: 1160' Azimuth: 100° Dip: -50°
Bearing: 100° True Angle: -50°
Depth: 376' Core Size: AQ
Started: May 2, 1972 Completed: May 4, 1972.
Drilled By: Inspiration Drilling
Core Recovery: 100% except as noted Logged By: D. F. DesRosiers

D F Des Rosiers May 4/72

FROM	TO	DESCRIPTION	INTERSECTION FROM	INTERSECTION TO	INTERSECTION LENGTH	ANALYSIS Cu%	ANALYSIS Zn%	ANALYSIS Fe%	ANALYSIS S%
0	45	Overburden							
45	72.5	Conglomerate with rounded and semi-rounded pebbles to 2" or quartz. Rhyolite and diorite. Disseminated pyrite (less than 1%) throughout. pyrite,							
		46 - 47.5 Rhyolitic band containing 10%/minor sphalerite and trace of chalcopyrite. Last 6" contains 2% sphalerite.	5812 46.5	48.0	1.5	0.027	3.0	19.63	14.63
72.5	117.5	Banded graphitic slate. Gray-black with sections of banded gray and black slate. Hairline to $\frac{1}{4}$" siliceous bands throughout of ten partially replaced by pyrite. Calcite veins cut core throughout 2 - 5% pyrite with minor sphalerite and traces of chalcopyrite generally associated with quartz and calcite.							
		81' Banding 25° to core axis.							
		93' Banding 20° to core axis.							
		100' Banding 45° to core axis.							
		117.5' Banding 45° to core axis.							
		74.9 - 95.2 Siliceous calcite section.							
		83.8 - 84.6 Calcitic siliceous section with 2% pyrite, and minor amounts of sphalerite. Traces of galena and chalcopyrite. Angular fragments of slate in this section.							

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DIAMOND DRILL HOLE SUMMARY

COMPANY: Dowa Mining

PROPERTY:

Hole No: E.L. No. 2

Claim No: Location:

Coords: Elev:

Bearing: Angle:

Depth: Core Size:

Started: Completed:

Drilled By:

Core Recovery: Logged By:

Depth: Survey:

Azimuth: Dip:

FROM	TO	DESCRIPTION	INTERSECTION FROM	INTERSECTION TO	INTERSECTION LENGTH	ANALYSIS			
		86 - 87.2 Gray banded slate.							
		102 - 102.5 Gray banded slate.							
		112 - 113.5 60% recovery.							
		113.5 - 115 Metamorphosed rhyolitic tuff with 3 - 5% pyrite as cubes.							
117.5	127.0	No core.							
127.8	177.5	Soapstone - green - gray-green banded with quartz and calcite bands and veins. Some sections very soft and broken. Less than 1% pyrite with occasional sections having 2 - 3% pyrite and few specks of chalcopyrite.							
		131' Banding 30° to core axis.							
		153' Banding 25° to core axis.							
		173' Banding 23° to core axis.							
		133 - 141 Recovery 85%.							
		149.5 - 152 Core very broken.							
		156 - 158 Core recovery 40% very soft (fault ?).							
177.5	181.5	No core.							

.../3

DIAMOND DRILL HOLE SUMMARY

COMPANY: Dowa Mining
PROPERTY:

Hole No. E. L. No. 2
Claim No: Location: Depth: Survey:
Coords: Elev: Azimuth: Dip:
Bearing: Angle:
Depth: Core Size:
Started: Completed:
Drilled By:
Core Recovery: Logged By:

FROM	TO	DESCRIPTION	INTERSECTION FROM	INTERSECTION TO	INTERSECTION LENGTH	ANALYSIS			
181.5	183	Soapstone - gray - bright green bands with bands of rhyolitic tuff. Few graphitic partings. Patches and disseminated pyrite 6 - 7% of core. Banding at 35 degrees to core axis.							
183	184	Black graphitic slate banded with quartz. Quartz partially replaced by pyrite which makes up 2 - 3% of core. Few specks of chalcopyrite and sphalerite. Banding at 40 degrees to core axis.							
184	186	No core.							
186	188	Black graphitic slate banded with gray slate. Few calcite and quartz. Less than 1%pyrite. Traces of chalcopyrite and sphalerite associated with the quartz and calcite. Banding at 60 degrees to core axis.							
188	193	Soapstone - gray-green with parts of original rhyolitic tuff still visible. Disseminated pyrite with few flecks of chalcopyrite. 188 - 191 3 - 5% pyrite. 191 - 193 less than 1% pyrite. 188.5 - 199 70% recovery 192.5 - 193 50% recovery.							

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DIAMOND DRILL HOLE SUMMARY

COMPANY: Dowa Mining

PROPERTY:

Hole No E. L. No. 2

Claim No: Location: Depth: Survey:

Coords: Elev: Azimuth: Dip:

Bearing: Angle:

Depth: Core Size:

Started: Completed:

Drilled By:

Core Recovery: Logged By:

FROM	TO	DESCRIPTION	INTERSECTION FROM	INTERSECTION TO	INTERSECTION LENGTH	ANALYSIS			
193	195	No core.							
195	200	Banded soapstone - medium-dark green and quartz bands with minor amounts of calcite. Parts of original rhyolite tuff still visible. 1 - 3% disseminated pyrite. Minor amounts of graphitic material along bands. Banding 50 degrees to core axis. 198.5 - 200 60% core recovery.							
200	221	Soapstone. Dark gray-green banded in places with quartz and calcite. Traces of disseminated pyrite increasing to 1 - 2% in places, generally associated with banding. 216' banding 30 degrees to core axis. 216.5 - 217.2 Rock hard and shows texture and colouring, of granite.							
221	225.3	Granite. Consisting of quartz and arthoclase with dark matrix material. Few small siliceous bands. Disseminated pyrite ½ - 1%. Granite fine grained. Contact with above soapstone about 35 degrees to core axis.							
225.3	241.5	Soapstone and banded soapstone. Medium-dark green with white quartz and occasional calcite bands. Some pink arthoclase also associated with quartz and calcite.							

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DIAMOND DRILL HOLE SUMMARY

COMPANY: Dowa Mining
PROPERTY:

Hole N E. L. No. 2
Claim No: Location:
Coords: Elev:
Bearing: Angle:
Depth: Core Size:
Started: Completed:
Drilled By:
Core Recovery: Logged By:

Survey:
Depth: Azimuth: Dip:

FROM	TO	DESCRIPTION	INTERSECTION FROM	INTERSECTION TO	INTERSECTION LENGTH	ANALYSIS Cu%	ANALYSIS Zn%	ANALYSIS Fe%	ANALYSIS S%
		Mineralization minor but increasing to 1% in places and entirely pyrite.							
		Banding 45 degrees to core axis.							
		Contact with above granite 35 degrees to core axis.							
241.5	267.3	Granite. Gray-pink and metamorphosed for first two feet. Grades to pink with fine dark partings of (chloritic ?) material. Fine grained texture with small quartz veins containing some pink arthoclase. Less than 1% disseminated pyrite. Contact with above soapstone 50 degrees to core axis.							
		252.4 - 253.4 60% quartz.							
		254.6 - 255 70% pink mineral. Hardness about 4.							
		262.9 - 263.4 cherty zone.							
267.3	272.3	Banded gneiss, consisting of quartz-feldspar bands with black (chloritic ?) bands running down core. Mineralization is pyrite and chalcopyrite. About 5% pyrite and 0.5 - 2% chalcopyrite around 270'. Contact with above granite 20 degrees to core axis.	267.3	272.3	5.0	0.08	0.11	12.49	1.66
272.3	274	Granite - gray-pink, fine grained with siliceous sections, 1% disseminated pyrite.							
		272.5 - 272.7 Gray and green soapstone band.							
		.../6							

DIAMOND DRILL HOLE SUMMARY

COMPANY: Dowa Mining
PROPERTY:

Hole N E. L. No. 2
Claim No: Location:
Coords: Elev:
Bearing: Angle:
Depth: Core Size:
Started: Completed:
Drilled By:
Core Recovery: Logged By:

Depth:
Survey:
Azimuth: Dip:

FROM	TO	DESCRIPTION	INTERSECTION FROM	INTERSECTION TO	INTERSECTION LENGTH	ANALYSIS			
274	274.1	Quartz vein.							
274.1	278	Banded soapstone. Gray-green with white-pink calcite and quartz bands. Less than 1% disseminated pyrite. Banding 20 degrees to core axis.							
278	281.6	Granite - gray-pink with quartz-feldspar grains and dark matrix material. Few calcite stringers cut core. Less than ½% disseminated pyrite contact with above soapstone 50 degrees to core axis. 278.1 - 278.3 Quartz vein.							
281.6	295.6	Gneiss - banded gneiss of soapstone and metamorphosed rhyolite tuff. Rock in places very siliceous. Mineralization very patchy and generally along bands and flow structures. Mineralization pyrite and 1 - 3% except where noted below. 291 - 291.4 5 - 7% pyrite. 293.5 - 294.5 8 - 10% pyrite. 295.4 - 295.6 3 - 5% pyrite.							
295.6	326	Granite , gray-pink some places showing granitic texture with dark mineral (serpentine ?) as matrix and other places highly altered a siliceous with serpentinite bands. Minor disseminated pyrite. Many small quartz veins cut core.							

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DIAMOND DRILL HOLE SUMMARY

COMPANY: Dowa Mining
PROPERTY:

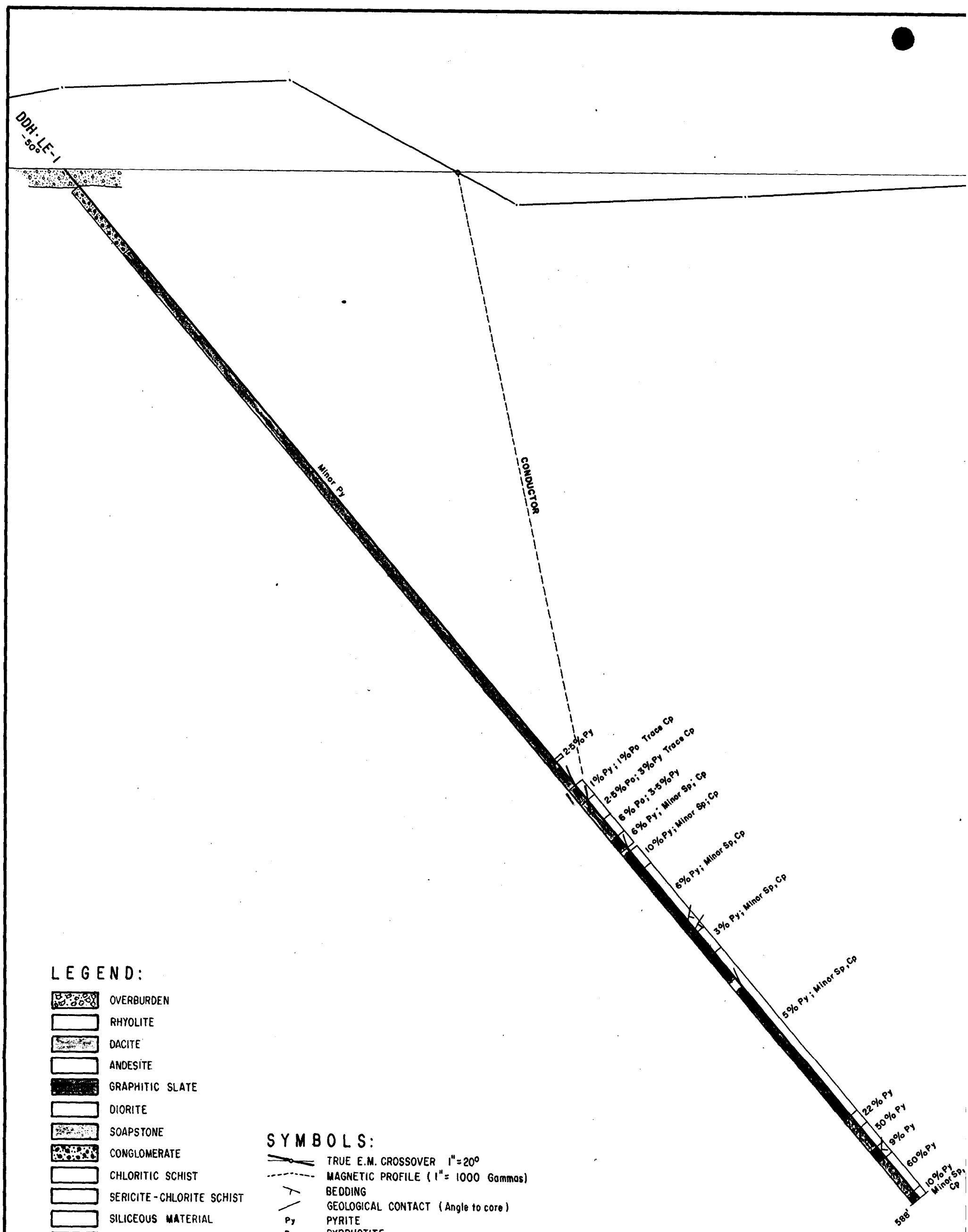
Hole E. L. No. 2
Claim No: Location:
Coords: Elev:
Bearing: Angle:
Depth: Core Size:
Started: Completed:
Drilled By:
Core Recovery: Logged By:

Depth: Survey:
Azimuth: Dip:

FROM	TO	DESCRIPTION	INTERSECTION FROM	INTERSECTION TO	INTERSECTION LENGTH	ANALYSIS			
		295.6 - 297 Granite.							
		297 - 298.7 50% quartz							
		298.7 - 304 Transition zone.							
		301 - 302 2% pyrite.							
		304 - 306.5 Rhyolite.							
		306.5 - 312 Transition zone.							
		312 - 314 Granite.							
		314 - 323 Transition zone.							
		323 - 326 Rhyolite.							
326	365.5	Quartz - soapstone gneiss. Gray-green banded with bands running almost down core axis. Quartz bands are calcite and have reddish tint. Some bands have patches of red material associated, with and near, the pyrite. Mineralization 2 - 5% and is pyrite.							
365.5	369.8	Rhyole - medium gray with black material in last 2'. ½ - 1% disseminated pyrite.							
		366 - 367 60% quartz with green chloritic material and minor arsenopyrite.							
369.8	376	Banded soapstone - dark green with calcitic and siliceous bands at 20 degrees to core axis. Core very soft. ½% disseminated pyrite							
376		END OF HOLE.							

D F Des Rosiers May 4/72

HP3-6460



LEGEND:

- OVERBURDEN
- RHYOLITE
- DACITE
- ANDESITE
- GRAPHITIC SLATE
- DIORITE
- SOAPSTONE
- CONGLOMERATE
- CHLORITIC SCHIST
- SERICITE-CHLORITE SCHIST
- SILICEOUS MATERIAL
- GNEISS
- GRANITE
- SCHIST
- TUFF
- BRECCIA
- AGGLOMERATE

SYMBOLS:

- TRUE E.M. CROSSOVER 1"=20°
- MAGNETIC PROFILE (1"= 1000 Gammas)
- BEDDING
- GEOLOGICAL CONTACT (Angle to core)
- Py PYRITE
- Po PYRRHOTITE
- Cp CHALCOPYRITE
- Sp SPHALERITE
- Go GALENA
- Mag MAGNETITE
- Cu COPPER
- Ca CALCITE
- Qv QUARTZ VEIN
- % PER CENT

WATTS, GRIFFIS & McOUAT LIMITED

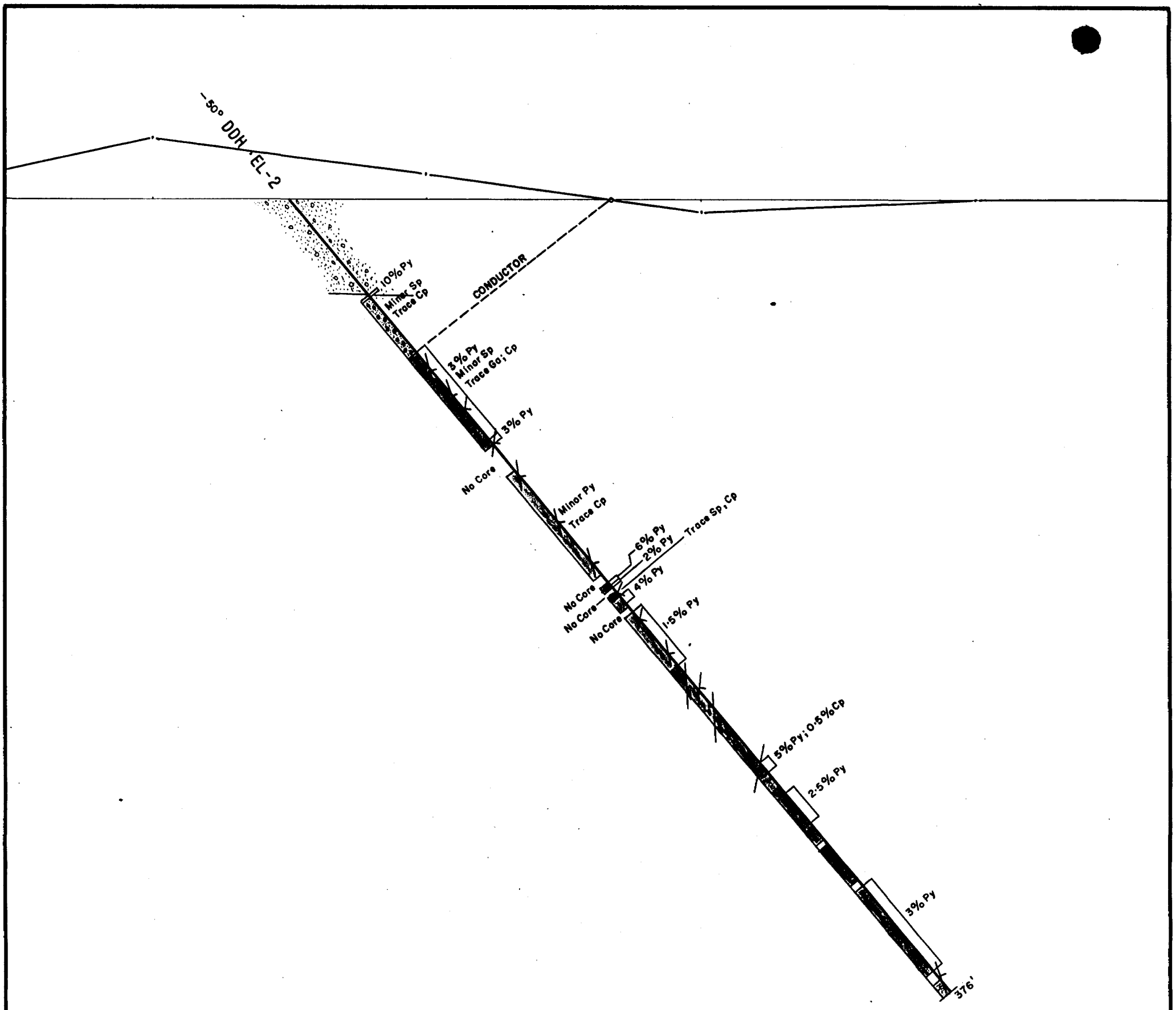
DOWA MINING CO. LIMITED

— MATACHEWAN PROJECT —

EDLESTONE LAKE # 1
DRILL HOLE SECTION

ONTARIO - CANADA

SCALE: 1"=40'	DATE: MAY 1972	DWG.Nº 22
DRAWN BY:	APPROVED:	



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- Qv QUARTZ VEIN
- % PER CENT

WATTS, GRIFFIS & McOUAT LIMITED

DOWA MINING CO. LIMITED

— MATACHEWAN PROJECT —

EDLESTONE LAKE #2 DRILL HOLE SECTION

ONTARIO - CANADA

SCALE: 1"=40'	DATE: MAY 1972	DWG.NO 23
DRAWN BY:	APPROVED:	