

1106SW0024 0012 DIEPPE

HOYLE HINING COMPANY LINITED

MAGNETOMETER SURVEY REPORT

ON

PANACHE LAKE CLATT TOUP

Ву

Pioneer Consultants Limited

Haileybury, Ontario

April 30, 1957

INTRODUCTION

On February 18, 1957, an exploration program consisting of a magnetometer survey, commenced on 16 claims in the Sudbury area. This work was completed on the 22nd of April.

The object of the survey was to try to establish a continuation of the known mineralized area, locate geological structures and any new sones of mineralization elsewhere on the group.

The claim group covers a large east-west quartz vein with which encouraging nickel values are associated.

LOCATION AND ACCESS

The F.E. Harrington group consists of 33 unpatented claims numbered S 98470-77 incl., S 98573-78 incl., S 98728-34 incl., S 98856-61 incl., S 98914-15, S 98920-21, and S 99317-18. Of these, 5 lie in the extreme north-east corner of Truman Township, 8 in Louise Township covering the south half of concession I, lots 11 and 12. The remaining claims are in the extreme north-west corner of Dieppe Township.

The magnetometer survey covered only 16 claims numbered S 98470-77 incl., S 98573, S 98576, S 98728-31 incl., and S 98733-34. These claims are all in the north-west corner of Dieppe Township except 4 in the north-east corner of Truman Township.

These claims may be reached by water in the summer months, from the end of Highway 549, going west on Lake Panache to Stoney Bay, then into Brady Lake. The property is also accessible by a 2-mile secondary road from Highway 549 then by foot along a 3-mile trail to Brady Lake. In the winter months, the only accessibility is by snowmobile service from Mr. William Gemmell's at the end of Highway 549.

TOPOGRAPHY

The claim group is located on generally high ground, with two lakes within its boundaries; Northwest Lake to the north and Brady Lake to the south. An east-west ridge traverses the group between the two lakes, and gradually slopes off on the eastern claim to a low swampy area. The extreme eastern section, claim 5 98728 and

part of S 98729, are open bog which is inaccessible during the summer months.

Most of the higher ground is rock outcrop or very lightly covered with drift. Some 20-foot vertical cliffs were noted on the north shore of Brady Lake.

The low areas are overgrown with a thick second growth of alders, birch, small pine and poplar; hawthorne bushes and ferns predominate as underbrush. The slopes are covered with birch and poplar with some maple.

In some areas, both red and white pine of nearly commercial size were noted.

KIU) LIPE

The area seems to be well populated with deer, partridge, rabbits, and other smaller animals. Muskrat and beaver dwellings were noted in the ponds. Bush wolves are also known to inhabit the area.

GEITERAL GEOLOGY

The area is mostly Serpent quartrite with Espanola formation and Bruce conglomerate to the north by Northwest Lake.

On claims 5 98470 and 3 98475, the Serpent quartities are intruded by a quartities with which is exposed for a length of about 200 feet, and has an average width of 25 feet. Two pits, 100 feet apart, were sunk in 1956 on sulphide mineralization in the south contact of the vein, near the east boundary of claim No. 3 98475. The sulphides are massive pyrite, pyrrhotite and chalcopyrite. This material assays about 0.5% nickel and very low in copper. The mineralization, if it is continuous, is covered by light overburden between the pits and to the east and west.

As this survey was conducted during the winter months, little geology was observed. A partial geological survey will be undertaken later in the summer and will be presented in a following report.

MACHIKTUMETER SURVEY

A Radar" magnetometer was used to conduct the survey. This instrument has a sensitivity of 20 gammas and readings were recorded at 300 foot intervals along the base line and at 100 foot intervals along the picket lines.

A map showing all the readings, and another showing the magnetic contours with the initial interpretation, accompany this report.

The magnetometer work does not reveal a clear out picture and without surface geological information, it is difficult to interpret the results. The suggestion is that the veins and shears strike about N 60° - 70° E, and are repeatedly dislocated by north-west striking faults.

Based on this interpretation, the main showing might have a maximum length of about 500 feet, before being cut off by faults.

A promising anomaly lies 1,000 feet east of the main showing, but again it appears to be restricted in length by faults. It might have a length of 500 feet.

Reconnaissance geological mapping should be done to establish the contacts between formations, and locate faults, shears, veins, etc. A new interpretation of the magnetometer work could then be made, using all the above information.

The magnetometer survey gave very few strong, positive or negative anomalies. It was noted that the pyrrhotite of the area is of both the magnetic and man magnetic variety; therefore, the latter does not affect the instrument to any appreciable degree. Also very little difference is noted in magnetic intensities between the different rock types.

WORK SUMMARY

The survey began on February 18th and was completed on the 22nd of April.

An east-west base line was cut through the centre of the property, then picket lines at 300 foot intervals were cut normal to the base line and extended to the boundaries of the area covered by the survey. All lines were chained at 100 foot intervals.

Hagnetometer readings were recorded along all the north-south lines at 100 foot stations, giving a total of 1,228 magnetometer stations along 24.7 miles of line. These lines will also be used for the intended Geological Survey.

This work will keep the claims in good standing for one year.

CONCLUSION AND RECOMMENDATIONS

It must be concluded that some geological mapping must be done to realise the full value of the magnetometer survey. When this is completed, and a new interpretation of the work made, a more thorough understanding of the structure should be known.

The anomalies already shown should be looked at and completely investigated.

Diamond drilling of the known mineralised area, as well as the high anomalies is recommended, possibly with a Packsack Drill.

Respectfully submitted,

PIONEER CONSULTANTS LIMITED

C. J. Cunningham-Dunlop, P. Kng, President.

Haileybury, Ontario, April 30, 1957.

Report and field work by C. M. Giddings

Bibliography: -

W. H. Collins 1925 No. 124 Geological Series

STATIMENT OF WORK

MC

HOYLE MINING CO. LID. PANACHE LAKE OPTION

MAGNETOMETER SURVEY ON MINING CLAIMS IN SUDBURY MINING DIVISION
16 CLAIMS - S 98470-77, S 98573, S 98576, S 98728-31, S 98733-34 INCL.
PEB. 18, 1957 to AFR. 22, 1957

NAME	ADDRESS	LINE CUTTING INSTRUMENT	WORK DRAFTING & OFFICE	DAYS	REMARKS
C. J. Cunningham-Dunlop	Laileybury, Ontario		Feb. 5,9-13 incl. Mar. 12,16,19-20 Apr. 12,22	12	Engineer in charge B.A.Sc.
F. E. Harrington	Woodstock, Ontario	Feb. 18-27, Mar. 3-16		24	Chief Cutter
A. Mcamzie	N. Temiskaming, P.Q.	Feb. 18-28, Mar. 1-16		27	Linecutter
J. McKenzie	N. Temiskaming, P.Q.	Feb. 18-28, Mar. 1-16		27	Linecutter
J. Kivi	Whitefish, Ontario	Feb. 18-23,25-27, Mar. 3-16		23	Linecutter
S. Chief	N. Temiskaming, P.Q.	Feb. 18-28, Mar. 1-16		27	Linecutter
C. M. Giddings	Haileybury, Ontario	Mar. 13	Mar. 7-12,23-31, Apr.1-22	47	Instrument Man
J. G. Eno	Faileybury, Ontario	Fer. 13	3-22 Mer. 23-31	19	Assistant to Instrument Man
G. Ninacs	Maileybury, Ontario		Mer. 19-21, 25-29, Apr.2 3,6,8,9, 12-17	19	Draftsman
		SUMMARY			
		Engineers & Draftsmen Instrument Work Line Cutters TOTAL Total No. Assessment Days Requ	Man Days 77 x 4 308 20 x 4 30 128 x 4 512 225 cired 640		sment Credit 308 80 80 320 Max. Allowable 708

We hereby certify that the above statement is true and correct.

NOTE:

Line 300° spart North & South From Base Line Total of 24.7 miles of line. PIONEER CONSULTANTS LIMITED

C. J. Cunningham-Dunlop, B.A.Sc., P. Eng.

DEOPHYSICAL BURVEY:

Names and addresses of non employed and the dates on which each worked are:

C.J. Cuminghan-Dunlop	Haileybury, Onterio	12 days	Peb. 5, 9-13 incl., Mer. 12, 16, 19, 20, Apr. 12, 22
F.E. Harrington	Woodstock, Ontario	24 days	Feb. 18-27 incl., Mar. 3-16 incl.,
A. McKenzie	E. Tenieksming, P.Q.	27 days	Feb. 18 - Mar. 16 incl.
J. McKenzie	N. Temiskaming, P.Q.	27 days	Feb. 18 - Mar. 16 incl.
Ji Kivi	Whiterish, Ontario	23 days	Peb. 18-23 incl., Peb. 25-27 incl., Mar. 3 -16 incl.
8. Chief	N. Temisleming, P.Q.	27 days	Fob. 18 - Mar. 16 incl.
C.M. Giddings	Raileybury, Ontario	47 days	Mar. 7 - Apr. 22 incl.
J.G. Kno	Haileybury, Ontario	19 days	Mar. 13 - 31 incl.
G. Hinnes	Haileybury, Ontario	19 days	Mar. 19-21 incl., Mar. 25-29 incl., Apr. 2, 3, 6, 8, 9 and 12-17 incl.



020

HOYLE MINING COMPANY LIMITED REPORT ON GEOLOGICAL AND GEOCHEMICAL SURVEYS PANACHE LAKE CLAIM GROUP

Ву

Pioneer Consultants Limited Haileybury, Ontario.

Haileybury, Ontario

september 20th, 1957

POOR QUALITY ORIGINA. TO FOLLOW

TABLE OF CONTENTS

	PAGE
INTRODUCTION	1
LOCATION AND ACCESS	1
TOPOGRAPHY	2
NATURAL RESOURCES	2
GENERAL GEOLOGY	3
STRUCTURAL GEOLOGY	6
DIAMOND DRILLING	7
GEOCHEMICAL SURVEY	8
CONCLUSIONS & RECOMMENDATIONS	9
APPENDIX	

929C

MAP

POOR QUALITY ORIGINA_ TO FOLLOW

INTRODUCTION

The following is a summary report on a combined Geological and Geochemical Survey and Diamond drilling conducted on the Panache Lake claims of Hoyle Mining Company Limited, by Pioneer Consultants Limited of Haileybury, Ontario.

The field work was commenced on May 13, 1957 and terminated on August 1, 1957. The object of this work was to explore the extent and economic possibilities of a copper-nickel showing in a large quartz vein. During the spring of 1957, a magnetic survey was conducted over the claims by this company; and further work was deemed necessary to properly interpret the results.

The claims immediately sorrounding the showing were geologically mapped in detail to outline the known mineralized zone and to expose any others that may have existed.

The geochemical survey wasmade over most of the magnetic anomalies, found in the spring, to test for copper mineralization. This survey also covered the east and west extension of the copper-nickel showing in the quartz vein to test for further similar deposits along the vein.

The showing mentioned above and its east and west extensions were diamond drilled to sample the mineralization and outline its extent. In addition, a small burned to proportion of the proporti

LOCATION AND ACCESS

The Panache Lake group consists of 33 unpatented mining claims numbered S-98470-77 incl; S-98573-78 incl; S-98728-34 incl; S-98914-15, S-98920-21, and S-99317-18. Of these 5 lie in the extreme north-east corner of Truman Township, and 8 are in Louise Township covering the south half of concession I, lots 11 and 12. The remaining claims are in the extreme north-west corner of Dieppe Township. The 33 claims are under option from F.E.Harrington Grubstake.

TO FOLLOW

The geochemical survey covered parts of 16 claims; Nos.S-98470-77 incl; S-98573, S-98576, S-98728-31 incl; and S-98733-34, whereas the geological survey only covered 8 claims, Nos. S-98733-34, S-98470-71, and S-98474-77 incl.

The group of 16 claims are all in the north-west corner of Dieppe Township; except 4 that are in the north-east corner of Truman Township.

These claims may be reached by water in the summer months; from the end of Highway 549, going west on Lake Panache to Stoney Bay,

then into Brady Lake. The property is also accessible by a two mile secondary road from Highway 549 then by foot along a 3 mile trail to Brady Lake. In winter months, the only accessibility is by automobile service from Mr. William Gemmel at the end of Highway 549.

TOPOGRAPHY

The claim group is located on generally high ground, with two lakes within its boundaries; Norwest Lake to the north and Brady lake to the south. An east-west ridge traverses the group between the two lakes, and gradually slopes off on the eastern claims to a low, swamy area. The extreme eastern section, claim S-98728 and part of S-98729 is open bog which is inaccessible during the summer months.

Most of the higher ground is rock outcrop or very lightly covered with drift. Some 20-foot vertical cliffs were noted on the north shor of Brady Lake.

The area gradually rises north from Brady Lake for lof a mile then drops off gradually into Norwest Lake, this gives an elevation rise of approximately 300 feet above Brady Lake.

NATURAL RESOURCES

Timber

There are a few isolated stands of nearly commercial red and white pine but not enough to warrant any sizeable timber operations. The higher areas are covered with birch and poplar with small maple. In the low areas, second growth alders, birch and small pine predominate while the underbrush is mainly hawthorne bushes and ferns.

Commerical lumbering was carried out in this area years ago.

Power Sources

The H.E.P.C have power lines within 3 miles east of the property. Game

The area seems well populated with deer, partridge, rabbits and other small animals. Muskrat, beaver and mink were noted in the ponds and are commercially trapped by residents of the area. Brush wolves are also known to inhabit the area.

The lakes abound with fish such as pickerel, blackbass, lake trout and pike.

<u>Water</u>: The water of Brady Lake is muddy and not fit to drink; whereas Northwest Lake and Stoney Bay have fresh clear water. There is ample water on the property to supply any drilling or mining operations which might be undertaken in the future.

POOR QUALITY OPIGINAL

GENERAL GEOLOGY

Introduction: All the consolidated rocks in the area are of Precambrian age. They consist of an old sedimentary series of conglomerates and quartzites with some limestones and greywacke, all intruded by gabbro and quartz. The old sedimentary rocks, because of their similarity to rocks of the same origin in other parts of Ontario, are herein classfied as Huronian. It is probable that the gabbro dikes and masses which intrude the sediments are of Keweenawan age. The mineralized quartz vein is possibly of the same age relationship as the gabbros. A geological map covering 8 claims on a scale of 200 feet to one inch is attached to this report.

Table of contents

DUPLICATE COF

Cenozoic Recent:

Swamp and POORQUALITY ORIGIN/.

Pleistocene :

Unsorted deposits TOS FO lah OWavel

Regional Unconformity.

Precambrian

Keweenawan Basic Intrusives
"Intrusive Contact

Huronian

Bruce Series - Serpent Quartzite
Espanola Limestone
Espanola Greywacke
Bruce Limestone
Bruce Conglomerate

Bruce Conglomerate

The Bruce conglomerate is a massive boulder conglomerate consisting of subangular to rounded boulders of all sizes, with a dark grey matrix resembling greywacke. The boulders are largest and most abundant in the lower part of the formation; then towards the top, they become smaller and less frequent. The upper part may only have 3 or 4 pebbles per square yard and at the top, the nearly pebble free greywacke grades into a thinly stratified siliceous silt which forms the base of the Bruce LImestone.

The pebbles of the Bruce conglomerate are predominantly quartz although in places, boulders of quartzite were noted. Near the upper contact of the series, the pebbles seem to be only enlarged grains of quartz

This formation is found at the north-east end of Norwest Lake and continues north off the claim group.

Bruce Limestone: The Bruce Limestone overlies the conglomerate and is a dull grey to greenish grey in colour. It grades through a few feet of thinly bedded siliceous material into limestone that is almost free from interbedded silt.

None of this limestone was noted on the claim group, although a small isolated patch was noted on the north side of the Norwest Lake. The limestone there was highly altered with small stringers of quartz varying in size from linch to 3 inches. The attitude was not determined.

Espanola Greywacke: This formation is closely allied to the limestone beneath. It consists of the same silty material and limestone interlaminated, but the limestone constituent is reduced to an almost negligible number of thin layers occurring at irregular intervals and a variable amount of carbonate is disseminatee through the silt. It is a thinly bedded siliceous-looking rock, ranging in different beds from pale grey to dark or greyish green. The beds vary in thickness from an inch to a foot in width. They weather unequally, producing a harsh corrugated surface.

The layers that are in relif are siliceous and are usually dark coloured; whereas the sunkers layers are usually more or less calcareous and light in colour.

The formation in this area is in contact with Bruce conglomerate to the north and the Serpent quartzite to the south. The strike is east-west to slightly north of east and the dip is between 70 degrees south and vertical. The softer material seems tobe composed of dolomite as H Cl does not affectit, some small areas of calcium carbonate was noted

Espanola Limestone: This top series is not present in this area, but is composed of limestone grading out of the greywacke. This bed weathers to a brick red owing to the large content of iron oxide.

Serpent Quartzite: This formation grades out of the Espanola limestone getting lighter in colour and a little coarser and more quartzite in appearance, but fine laminations still persist. The first part of the formation is fine grained, greenish white, impure quartzite, then it grades into a pure white medium to coarse rock. This dead white, close grained texture is characteristic of the formation. The upper part of the Serpent grades into a coarse grained pink variety of great thickness.

This quartzite is composed of quartz and feldspar grains. The feldspar includes orthoclase, microline, and acid pagioclase. There are no dark minerals present, but some carbonate present weathers brown suggesting a small percentage of siderite.

This formation covers the majority of the group and contacts with the Espanola formations near Norwest Lake. Small bands, 1 to 4 inches of calcarious material were noted in the Serpent. These limy bands tend to show as depressions in the quartzite and are mainly thin beds of dolomite.

DUDUICATE CODY

The strike is the same as the other formation, that is, east-west approximately with the dip in this area 70 to 90 degrees south, but a few steep north dips were noted between the two lakes. Since the Serpent is badly fractured, these north dips could possibly be fractures.

Keweenawan: The intrusives of this area are called Gabbro. These rocks are light in colour and their grain size varies from medium to coarse, and they do not have diabse texture. They are in the form of dikes and irregular masses and are quite prominent throughout the mapped area. The dikes vary in width from 1 to 30 feet. The masses are irregular in shape and size and have no strike.

These intrusions cut all the formations, but chilling was not notedon the edges. All the outcrops have well rounded and smooth surfaces

Pleistocene: Very few sand and gravel deposits are known to exist. Some unsorted gravel was noticed in the high valley where it was not covered by humus.

Recent: Deposits of this nature cover a great deal of the area. Humus consisting of decayed vegetation is found everywhere on top of sand and fine clay. Open swamp and bogs are formed in the low ground at the end of each lake and where beavers have backed up the river or trapped water in low areas. Most of these swamps dry up in the late summer. The depth of overburden is shallow except in the swampy areas where it may be quite deep.

STRUCTURAL GEOLOGY

Introduction: The information obtained pertaining to structure was somewhat conclusive as to the attitude of the beds. Faulting as indicated by the previously completed magnetometer work, failed to show up, but the intrusives indicated did show somewhat.

Some of the Keweenawan intrusives are essentially dikes mostly striking east-west with a vertical dip or possibly dipping with the formation. It isimpossible to determine the attitude of the gabbro masses.

Bruce Series: Except for a few places of claim S-98470, the whole series dips from 60 to 90 degrees south. On Claim S-98470 the dips are 70 to 90 degrees north. This may be due to conflusion of dips with the innumerable fractures that are in the sediments or possibly a small fold is indicated.

Faults: One fault was recognized and a number indicated; the recognized fault runs about N75 E through the pits on the vein and was found again in D.H. # 12. This seems to be a normal fault and the amount of displacement if any, is unknown.

DUPLICATE CC

Graphitic zones ranging from 1 to 6 inches wide were noted in the pits and the dimaond drilling. These graphitic zones seems to be running parallel to the fault and quartz vein.

Other indications of faulting were noted but these may be just fractures.

According to the geological map by W. H. Collins, No.292A; a fault is indicated running N.E. through Norwest Lake.

Quartz Vein: A quartz vein 25 to 30 feet wide and 750 feet long (striking east and west) was found on claims S-98470 and S-98475, carrying heavy pyrrhotite and pyrite mineralization. This vein strikes N70E and the dip is nearly vertical. The bluish-white quartz intrudes the Serpent quartzite and contacts the mass of gabbro at the north-west end. The contacts with the Serpent show no chilling along the edges and are very sharply defined.

<u>Diamond Drilling</u>: This vein was drilled this summer with a Packsack diamond drill. The section under the pits and the anomaly directly east of the pits on line 3000E, showed massive mineralization averaging 5.5 feet wide in 6 holes for alength of 260 feet. A composite sample of the best sections in these holes assayed as follows:

Nickel %	Copper %	Cobalt %	Selenium %
0.48	0.13	0.13	0.002

Drilling further along the strike of the vein to the east and west showed disseminated pyrite mineralization.

At the eastern end, the vein breaks up into a series of quartz stringers and calcarious sections. The mineralization is very low at this point.

On line 4200E on claim S-98470, a magnetic anomaly coincides with a burned zone in the quartzite. The zone is 60 feet long and 25 feet wide, striking north-west - south-east. Two holes drilled under this cut disseminated pyrrhotite and chalcopyrite which returned very low assays. This zone has no extension to the east or west.

More detailed information on the drilling may be found in the drill logs in the back of this report.

GEOCHMEICAL SURVEY

A geochemical survey was conducted on the soil in areas of combined high and low magnetic anomalies. Picket lines were cutin these areas between the lines previously cut for the magnetic survey, to provide a line interval of 150 feet. This resulted in an additional 4.4 miles of line. Soil samples were taken at 25-foot intervals along all lines in the anomalous areas.

DUPLICATE COPY

Each sample consisted of about a half pound of material taken at the top of the sandy layer, below the humus, at depths from 12 to 18 inches

The samples were assayed at Consolidated Sudbury Basin Mines Limited, Chelmsford, Ontario, by the bi-quinaline method, and the results reported in parts per million of copper. The results were plotted on drawings at 50 feet to the inch and contoured at 25 parts per million intervals. These drawings are attached to this report.

Several localized anomalies resulted from this work. The three anomalies south of the pits at: 2550E, 875S; 3000E; 900S; and 3300E, 1025S appear to result from the known mineralized zone inthe vein. They occur along a minor water course draining a swamp south of the vein.

The anomaly at 2250E, 625S is due to one high assay of 416 parts per million copper. There are no supporting high assays around it and therefore, it is thought to constitute an erratic.

The anomaly having a high of 83 parts per million, at 3150E, 825S(east of the pits) is probably due to weak mineralization in the vein at this point and was confirmed by the drilling of 3 holes.

An anomlay having a high of 212 parts per million and about 600 feet long, east to west, lies 125 feet north of the pits. It compares in magnitude with those south of the pits but occurs over an outcrop area on a hill sloping to the north. It may be due to a mineralized zone beneath the soil immediately to the north. It may also be due to the gabbro to the west which is slightly mineralized and which is up hill from the anomaly. The anomaly does not, however, follow any water course.

The small anomaly at 1200E, 1100S, is probably due to weak mineralization in the gabbro over which it lies.

The small anomaly with a high of 412 parts per million at 9000E, 700N is due to ore assay and may be considered an erratic. The area is Bruce boulder conglomerate in which no minoralization was seen.

In general, the soil sampling did not indicate any new mineralization in the quartz vein or its extensions. There is a suggestion, however, of a second zone to the north of the pits. CONCLUSIONS AND RECOMMENDATIONS:

The magnetic, geological, geochemical surveys, and the diamond drilling indicate a definite association of nickel-copper mineralization with the foot wall of the quartz vein. Although the values at surface work. are not of ore-grade, the assays are sufficiently high to warrant further

Apart from the geochemical indication 125 feet north of the pits, there do not appear to be any other interesting areas on the property.

It is theorized that the copper-nickel mineralization could improve to ore-grade where the vein cuts another rock-type such as limestone or greywacke. The geological work has shown that the contact between the Serpent quartzite and the Espanola limestone and greywacke, is cut by the vein at a death of approximately 350 feet.

On the basis of this theory and the encouraging surface value, two or three diamond drill holes should be put down to intersect the yein at depths below 350 feet. Indications are that the mineralization rakes to the west. Therefore, one hole should be drilled near the western pit and two more at 200-foot intervals to the east. Further work would depend upon the results obtained.

Respectfully submitted, PIONEER CONSULTANTS LIMITED

C. J. Cunningham-Dunlop President.

CJC-D/jd Haileybury, Ontario September 20, 1957

Report and field work by C. M. Giddings

References: W. H. Collins, No. 124, Geological Series G.S.C. 1925 E. S. Moore, Vol. XXXVIII, Part 7, O.D.M. 1929.

POOR QUALITY ORIGINATO FOLLOW

APPENDIX

Diamond drill logs

Envelope on Back Cover

Drawing accompanying this report

Drawing No.	<u>Title</u>	<u>Scale</u>		
206-3	Geological Survey	1" - 200'		
206-4	Geochemical Survey Block 1	1" - 50'		
206-5	Geochemical Survey Block 2	1" - 50'		
206-6	Geochemical Survey Block 3	1" - 50'		
206-7	Geochemical Survey Block 4	1" - 50'		
206-8	Geochemical Survey Block 5	1" - 50'		

DUPLICATE COFPOOR QUALITY ORIGINAL TO FOLLOW

HOYLE MINING COMPANY LIMITED

REPORT ON GEOLOGICAL AND GEOCHERICAL CURVEYS PANACHE LAKE CLAIN GROUP

By

Pinneer Consultante Limited Haileybury, Omterio

Baileybury, Ontario

September 20th, 1957

TABLE OF CONTENTS

•	PAGE .
INTRODUCTION	1
LOCATION AND ACCESS	1
TOPOGRAPHY	5
NATURAL REBOURCES	2
GENERAL GROLOGY	3
STRUCTURAL GEOLOGY	6
DIAMOND DRILLING	7
GEOCEDHICAL SURVEY	8
CONCLUSIONS AND RECOMMENDATIONS	9
A PPERNTY	

MAP

INTRODUCTION

The following is a summary report on a combined Geological and Geochemical Survey and Diamond Drilling conducted on the Panache Lake claims of Hoyle Mining Company Limited, by Picneer Consultants Limited of Hailaybury, Ontario.

The field work was commenced on May 13, 1957 and terminated on August 1, 1957. The object of this work was to explore the extent and economic possibilities of a copper-nickel showing in a large quarts vein. During the spring of 1957, a magnetic survey was conducted over the claims by this company; and further work was deemed necessary to properly interpret the results.

The claims immediately surrounding the showing were geologically mapped in detail to outline the known mineralized some and to expose any others that may have excisted.

The geochemical survey was made over most of the magnetic anomalies, found in the spring, to test for copper mineralization. This survey also covered the east and west extensions of the copper-nickel showing in the quarts wein to test for further similar deposits along the vein.

The showing mentioned above and its east and west extensions were dismond drilled to sample the mineralization and outline its extent. In addition, a small burned or gosson some to the east was sampled with the dismond drill.

LOCATION AND ACCESS

The Panache lake group consists of 33 unpatented mining claims numbered 8-98470 - 77 incl., 8-98573 - 78 incl., 8-98728 - 34 incl., 8-98914 - 15, 8-98920 - 21, and 8-99317 - 18. Of these, 5 lie in the extreme north-east corner of Truman Township, and 8 are in Louise Township, covering the south half of concession I, lots 11 and 12. The remaining claims are in the extreme north-west corner of Disppe Township. The 33 claims are under option from the P. E. Harrington Orubstake.

The geochemical survey covered parts of 16 claims; Nos. 8-98470 - 77 incl., 8-98573, 8-98576, 8-98728 - 31 incl., and 8-98733 - 34, whereas the geological survey only covered 8 claims, Nos. 8-98733 - 34, 8-98470 - 71, and 8-98474 - 77 incl.

The pop of 15 claims are all in the north-west corner of Dieppe Township; except A that are in the north-east corner of Truman Township.

These claims may be reached by water in the summer months; from the end of Righway 545, going west on lake Panache to Stoney Bay, then into Brady lake. The property is also accessible by a two mile secondary road from Righway 549 them by foot along a 3 mile trail to Brady Lake. In the vinter months, the only accessibility is by anomabile service from Mr. William Germell at the end of Righway 549.

TOPOGRAPHY

The claim group is located on generally high ground, with two lakes within its boundaries; Horwest lake to the north and Brady Lake to the south. An east-west ridge traverses the group between the two lakes, and gradually alopes off on the castern claims to a low sweepy area. The extreme section, claim 8-98728 and part of 8-98729, is open bog which is inaccessible during the suggest months.

Host of the higher ground is rock outcrop or very lightly covered with drift. Some 20-foot vertical cliffs were noted on the north shore of Brady Lake.

The area gradually rises north from Brady Lake for t of a mile then drops off gradually into Horvest Lake, this gives an elevation rise of approximately 300 feet above Brady Lake.

KATURAL RESOURCES

Timber

一 野馬を

There are a few isolated stands of nearly commercial red and white pine but not enough to warrant any sizeable timber operations. The higher areas are covered with birch and poplar with some small maple. In the low areas, second growth alders, birch and small pine predominate while the underbrush is mainly hawthorne bushes and ferms.

Commercial lumbering was carried out in this area years ago.

Power Sources
The H.E.P.C. have power lines within 3 miles east of the property.

GAME

The area seems well populated with deer, partridge, rebbits and other small animals. Muskrat, beaver and mink were noted in the ponds and are commercially trapped by residents of the area. Brush volves are also known to inhabit the area.

The lakes abound with fish such as pickerel, black bass, lake trout and pike.

WHAT

The water of Brady Lake is unddy and not fit to drink; whereas Horwest Lake and Stoney Bay have fresh clear water. There is ample water on the property to supply any drilling or mining operations which might be undertaken in the future.

GEROLEAL GEOLOGY

Introduction All the consolidated rocks in the area are of Precambrian age. They consist of an old sedimentary series of conglomerates and quartrites with some limestones and greywake, all intruded by gabbro and quarts. The old sedimentary rocks, because of their similarity to rocks of the seme origin in other parts of Onterio, are berein classified as Buronian. It is probable that the gabbro dikes and masses which intrude the sediments are of Kewcenman age. The Mineralized quartz vein is possibly of the sems age relationship as the gabbros. A geological map covering θ claims on a scale of 200 feet to one inch is attached to this report.

Table of Formations

Cepceoic Recept !

Sweep and Muskeg accumulations

Pleistocener

Unsorted deposits of Sand and Oravel

Regional Unconformity

Precembrian

Kewsenswan Basic Instrusives Kewsensum Intrusive Contact

Buronian

Druce Beries - Sersent Cuartrite

- Espanola Limestone
- Espanola Graywache
- Bruce Limestone
- Pruce Conglomerate

BANCE CONGLONEURT

The Bruce conglomerate is a massive boulder conglomerate consisting of subsequent to rounded boulders of all sizes, with a dark grey matrix recembling greyworks. The boulders are largest and most abundant in the lower part of the formation; then towards the top, they become smaller and less frequent. The upper part may only have 3 or 4 pebbles per square yard and at the top, the nearly pebble free greyworks grades into a thinly stratified siliceous silt which forms the base of the Bruce limestons.

The pebbles of the Bruce conglomerate are predominately quartz although in places, boulders of quartaite were noted. Hear the upper contact of the series, the pebbles seem to be only enlarged grains of quarts.

This formation is found at the north-east end of Norwest Lake and continues north off the claim group.

Bruce Limestone

The bruce limestone overlies the conglomerate and is a dull grey to greenish grey in colour. It grades through a few feet of thinly bedded siliceous material into limestone that is almost free from interbedded silt.

None of this limestone was noted on the claim group, although a small isolated patch was noted on the north side of Morwest lake. The limestone there was highly altered with small stringers of quarts varying in size from \(\frac{1}{2} \) inch to 3 inches. The attitude was not determined.

Repenole Oremenoke

This formation is closely allied to the limestone beneath. It consists of the same silty material and limestone interlaminated, but the limestone constituent is reduced to an almost negligible number of thin layers occurring at irregular intervals and a variable amount of carbonate is disseminated through the silt. It is a thinly bedded siliceous-looking rock, ranging in different beds from pale gray to dark or grayish green. The beds vary in thickness from an inch to a foot in width. They weather unequally, producing a harsh corrugated surface.

The layers that are is relief are silicans and are usually dark coloured; reas the sunten layers are usually more or less calcarious and light in colour.

The formation in this area is in contact with Druce concluments to the north and the Serpent quartrite to the south. The strike is east-west to slightly porth of east and the dip is between 70 degrees couth and vertical. The softer material seems to be composed of dolomite as H Cl does not affect it, but some small areas of calcium curbonate were noted.

Mananola Limestone

this top series is not present in this area, but is composed of limestone grading out of the greywacks. This bed weathers to a brick red owing to the large content of iron codds.

Serpent Quartaite

This formation grades out of the Espanola limestone getting lighter in colour and a little coarser grained and more quartaite in appearance, but fine liminations still persist. The first part of the formation is fine grained, greenish white, figure quartaite, then it grades into a pure white medium to course rock. This dead white, close grained texture is characteristic of the formation. The upper pert of the Berpent grades into a coarse grained pink variety of great thickness.

This quartaite is composed of quarts and feldspar grains. The feldspar includes orthoclass, microcline, and acid plagicolass. There are no dark minerals present, but some carbonate present weathers brown suggesting a small percentage of siderite.

This formation covers the majority of the group and contacts with the Rependla formations near Norwest Lake. Small bands, 1 to 4 inches of calcarious material were noted in the Serpent. These limy bands tend to show as depressions in the quartaite and are mainly thin beds of dolumite.

The strike is the same as the other formation, that is, east-west approximately with the dip in this area 70 to 90 degrees south, but a few steep north dips were acted between the two lakes. Since the Serpent is bedly frectured, these north dips could possibly be fractures.

KEWEENAWN.

intrusives of this area are called Cabbro. These rocks are light in colour and their grain size varies from medium to course, and they do not have dishape tenture. They are in the form of diles and irregular masses and are quite proxinent throughout the mapped area. The dikes very in width from 1 to 30 feet. The masses are irregular in shape and size and have no strike.

These intrusions cut all the formations, but chilling was not noted on the edges. All the outcrops have well rounded and smooth surfaces.

Pleistoome

Very few send and gravel deposits are known to exist. Some unsorted gravel was noticed in the high valley where it was not covered by humas.

Recent

Deposits of this nature cover a great deal of the area. Hamme consisting of decayed vegetation is found everywhere on top of send and fine clay. Open sweep and bogs are formed in the low ground at the ends of each lake and where beavers have backed up the water or trapped water in low areas. Most of these swamps dry up in the late summer. The depth of overturden is shallow except in the summer areas where it may be quite deep.

STRUCTURAL OSOLOGY

Introduction

the information obtained pertaining to structure was somethat conclusive as to the attitude of the beds. Faulting as indicated by the previously completed magnetometer work, failed to show up, but the intrusives indicated did show somewhat.

Some of the Kewsenssen intrusives are essentially dikes mostly striking castwest with a vertical dip or possibly dipping with the formations. It is impossible to determine the attitude of the gabbro masses.

Bruce Series
Except for a few places on claim 8-96470, the whole series dips from 60 to 90 degrees south. On claim 8-98470 the dips are 70 to 90 degrees north. This may be due to confusion of dips with the immunerable fractures that are in the sediments or possibly a small fold is indicated.

One finite was recognized and a number indicated; the recognized fault runs about N 75 % through the pits on the vein and was found again in D.H. Ale. This eems to be a normal fault and the amount of displacement if any, is unknown.

Graphitic score ranging from 1 to 6 inches wide were noted in the pits and the dissoud drilling. These graphitic somes even to be running parallel to the fault and quarts vein.

Other indications of familting were noted but these may be just fracturing. According to the mealogical map by W. H. Colline, Number 292A; a fault is indicated running N.R. through Norvest lake.

Quarta Yeine

quarts wein 25 to 30 feet wide and 750 feet long (striking east and west) was found on claims 8-98470 and 8-98475, carrying heavy pyrrhotite and pyrite mineralization. This wein strikes N 70 H and the dip is nearly vertical. The bluishwhite quarts intrudes the Serpent quartrite and contacts the mass of gabbro at the north-west end. The contects with the Serpent show no chilling along the edges and are very sharply defined.

Discord Drilling
This vein was drilled this summer with a Packseck discord drill. The section under the pits and the anomaly directly east of the pits on line 3000 E, showed massive mineralization everaging 5.5 feet wide in 6 holes for a length of 260 feet. A composite sample of the best sections in these holes asseyed as follows:

Hokel 5	Copper \$	Cobalt &	Selanium \$
0.48	0.13	0.13	0.002

Drilling further along the strike of the vein to the east and vest should discominated pyrite mineralisation.

At the eastern end, the vein breaks up into a series of quarts stringers and calcarious sections. The mineralization is very low at this point.

On line \$200 N on claim S-96\$70, a magnetic anomaly coincides with a burned some in the quartitie. The some is 60 feet long and 25 feet wide, striking morth-west - south-east. Two holes drilled under this cut disseminated pyrabotite and chalcopyrite which returned very low assays. This some has no extension to the east or west.

More detailed information on the drilling may be found in the drill logs in the back of this report.

GEOCHEGICAL BURYAY

1, .

A geochemical survey was conducted on the soil in areas of combined high and low magnetic anomalies. Picket lines were cut in these areas between the lines previously cut for the magnetic survey, to provide a line interval of 150 feet. This resulted in an additional 4.4 miles of line. Soil samples were taken at 25-foot intervals along all lines in the anomalous areas.

Each sample consisted of about a half pound of material taken at the top of the sandy layer, below the humas, at depths from 12 to 18 inches.

The semples were assayed at Consolidated Sudbury Basin Mines Limited, Chelmsford, Ontario, by the bi-quinaline method, and the results reported in parts per million of copper. The results were plotted on drawings at 50 feet to the inch and contoured at 25 parts per million intervals. These drawings are attached to this report.

Several localized anomalies resulted from this work. The three anomalies south of the pits at: 2550 E, 875 S; 3000 E, 900 S; and 3300 E, 1025 S appear to result from the known mineralized zone in the vein. They occur along a minor water course draining a sweep south of the vein.

The anomaly at 2250 E, 625 E is due to one high assays of 416 parts per million copper. There are no supporting high assays around it and therefore it is thought to constitute an erratio.

The anomaly having a high of 83 parts per million, at 3150 R, 825 S (east of the pits) is probably due to weak mineralisation in the vein at this point and was confirmed by the drilling of 3 holes.

An anomaly having a high of 212 parts per million and about 600 feet long, east to west, lies 125 feet north of the pits. It compares in magnitude with those south of the pits but occurs over an outcrop area on a hill sloping to the north. It may be due to a mineralized some beneath the soil immediately to the north. It may also be due to the gabbro to the west which is slightly mineralized and which is up hill from the anomaly. The anomaly does not, however, follow any water course.

The small anomaly at 1200 E, 1100 S, is probably due to weak mineralization in the gabbro over which it lies.

The small anomaly with a high of 412 parts per million at 9000 %, 700N is due to one assay and may be considered an erratic. The area is Bruce boulder conglomerate in which no mineralization was seen.

In general, the soil sampling did not indicate any new mineralization in the quartz voin or its extensions. There is a suggestion, however, of a second zone to the north of the pits.

CONCLUSIONS AND RECOMMENDATIONS

The magnetic, geological, geochemical surveys, and the dismond drilling indicate a definite association of nickel-copper mineralization with the foot wall of the quarts vein. Although the values at surface are not of ore-grade, the assays are sufficiently high to warrant further work.

Apart from the geochemical indication 125 feet north of the pits, there do not appear to be any other interesting areas on the property.

It is theorized that the copper-mickel mineralization could improve to oregrade where the vein cuts another rock-type such as limestone or graywacke. The
geological work has shown that the contact between the Serpent quartuite and the
Espanola limestone and graywacke, is cut by the vein at a depth of approximately 350

On the basis of this theory and the encouraging surface values, two or three dissociativities should be put down to intersect the vein at depths below 150 feet. Indications are that the mineralization rakes to the east. Therefore, who hale should be drilled near the western pit and two more at 200-foot intervals to the east. Further work would depend upon the results obtained.

Propertially submitted,
Professor consultables Libertain

C. J. Cumningham-Dunlop, President.

CJC-D/JA

Halleybury, Onterlo

Beptember 20, 1957

Report and field work by C. M. Giddings

Peferonees: W. M. Collins, No. 124, Geological Series C.S.C. 1925

E. S. Moore, Vol. XXXVIII, Part 7, O.D.M. 1929

APPARDIX

Dissiond Drill Logs

- 日本教育の行うの概念である。2017年の日本の日本の日本の大規模では、現実の作品機会は表現を含まった。これでは、1977年の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本

Envelope on Back Cover

Drawing Accompanying This Report

Dreering No.	Title	Scale		
206 - 3	Geological Burvey	1" - 2001		
206 - 4	Geochemical Survey Block 1	1" - 50"		
206 - 5	Geochemical Survey Block 2	1" - 50"		
205 - 6	Geochemical Survey Mlock 3	1" - 501		
206 - 7	Geochemical Survey Block 4	1" - 50"		
206 - 8	Geochemical Survey Block 5	1" - 501		

BUATERINE OF WORK HOYER MINING COMPANY ADMINED - MANAGER LAKE CLADES GEOLOGICAL AND GEOCHEMICAL BURYEY ON 15 CLADES NO.-898470-77 Incl. 898573, 898576, 898720-31 Incl. and 898733-34 Incl.

	Address	IAne Cutting	Sempling	Mapping	Drafting & Reports	Deys	Remarks
O.S. C-Dunlop	Haileybury	**			June 27, July 18-19	3	Engineer in charge B.A.Sc.
U.M. Olddings	Haileybury	May 13-17	May 24-27 June 1-8 June 16-26	May 18-23,28- 31,June 9-15, July 27-31	Aug. 1,19-31, Sept. 1 -20	84	Person in charge of Mapping & Sampling
R. Minnes	Halleybury	May 13-17	VIII 20-E0	May 18-31, June 1-26	Jume 27-29, July 1-6, 8-13, 15	ಎ	Assistant Mapper 6 1
A. McKensie	W.Temiskaming P.Q.	May 13-23, June 19-21	May 24-31 June 1-18, 22-26			45	Linecutter and Sampleman
W.K. Polson	P. Temiskening P.Q.	May 13-23, June 19-21	May 24-31 June 1-18,			45	Linecutter and Semplemen
0. Atrice	Haileybury		22 ~2 0		Sept. 4,5,11,12,20	5	Draughtsman
A. Felson	Haileybury		· · ·	•	Bept. 16-20	5	Draughtsman
B. Corneau	laserre, P.Q.		May 28-31,3 3,5-8,11-15	,17,		19	Sample Preparation
G. Cuellette	Harmer, Ont.		20-22, July June 25-29, July 2-31,	· ·		47	Assayer
J. Koiselle	Chelmsford, O	at.	Aug. 1,2,7, July 23-51 Aug. 1-20	1E=CV		29	Assayer

BUNGARY

Geological Survey on 8 claims:

Mapping - 62 man days x 4 = 248 days assessment work

Transfiring and Office - 31 man days x 4 = 124 days assessment work

93

372

Total work applied for: 320 days

Geochemical Survey on 16 claims:

Line cutting - 38 man days x 4 g 152 days assessment work

Sampling - 180 man days x 4 g 720 days assessment work

Draughting and Office - 32 man days x 4 g 128 days assessment work

250 1000

Total work applied for: 640 days

DISTRIBUTION OF ASSESSMENT WORK

Claim No.	Geological Survey	Geochemical Survey	
8 98470	40	40	
8 96471	40	40	
8 98471 8 98472	•	40	
8 98473	•	40	
8 98474 8 98475	40	40	
8 98475	40	40	
8 98476	40	40	
B 98477	40	40	We hereby certify that the above
8 98477 8 98728	•	40	statement is true and correct.
8 98729	•	40	
8 98730	•	40	PIONEER CONSULTANTS LIMITED
8 98730 8 98731	•	40	Ω Ω Λ
8 98733	40	40	Colonia Col
8 98733 8 98734	NO.	40	
R 98573	•	40	C. J. Cumningham-Dunlop, B.A.Sc., P. Eng.,
8 98576	•	40	President.

NOTE: Time for Draughting and Reports equally split between Occlegical and Geochemical.

COMPANY HOYLE-PANACHE				DIAMOND DRILL	RECORD				HOLE NO	1		
	PROPERTY					SHEET NO		1	t	ATE JU	ine 23	,1957
*.	DIP ANGLES		BEARING	Due South	LATITUDE 2800E			\$7.	ARTED JU	ne 19,	1957	
į,	DIP ANGLES -45°		LENGTH 10.	0 °	DEPARTURE 820	os		\$7	OPPED JU	ne 19,	1957	
	And the first of t		LOCATION		ELEVATION			10	GGED BY C.	Gidd:	lngs	
			ROCK						CORE S	AMPLES		.,
	FOOTAGE	NAME OF ROCK		DESCRIPTION			SAMPLE NO.	WIDTH	FOOTAGE	ASSAY	ASSAY	ASS (
						H		· · · · · · · · · · · · · · · · · · ·	1		1	

Bluish white (Barren)

Hole cemented at 10'
10.0' END OF HOLE

Quartz

0 - 10.0'

DUPLICATE COPY
POOR QUALITY ORIGINAL
TO FOLLOW

DIAMOND DRILL RECORD PROPERTY SHEET NO. 1 LATITUDE DIP ANOLES BEARING STA 2000 R Doe Bookh LENOTH DEPARTURE STO 10.00 820 B 100 LOCATION ELEVATION ROCK SAMPLE NAME OF ROCK WIDTH FOOTAGE DESCRIPTION NO. Minish white (Derren) Frie consused at 10° 0 - 20.0 CUNTE END OF HOLE.

DIAMOND DRILL RECORD HOLE NO. ... SHEET NO. 1 DIP ANOLES LATITUDE STARTED BEARING 2000 E Poe Bouth Ame 19, 1957 LENGTH DEPARTURE STOPPED 20.00 820 B June 29, 1957 LOCATION ELEVATION LOGGED BY C. Glatines CORE SAMPLES ROCK ASSAY | ASSAY | ASS SAMPLE WIDTH FOOTAGE FOOTAGE NAME OF ROCK DESCRIPTION NO. Muish white (Berren) Hole computed at 10° CURRE MED OF HOLE.

COMPANY HO	YLE-PANACHE	DIAMOND	DRILL RECOR	D			HOLE NO.	2	10.5	See S
PROPERTY				SHEET N	0. 1	•	DA	Jun	e 23/	57
DIP ANOLES	•	BEARING Due South	LATITUDE	3000E		7	STARTED Jur	e 21,	1957	n
	49°	LENOTH 63.21	DEPARTURE	825S			stopped Jun	e 22,	1957	-
	47	LOCATION	ELEVATION			i	OGGED BY C.M	GIDD	TNGS	
		ROCK			I	·····	CORE SAN	IPLES		
POOTAGE	NAME OF ROCK	DESCRIPTI	ОИ		SAMPLE NO.	HTOLW	FOOTAGE	ASSAY	ASSAY	XXXX
0 - 8.0	 QUARTZITE	No Casing Dark, medium grained wit 2-3" at .5', 1.4', 5.5' fracture planes Limonite of Pyrite.	and $7.5' - a$	along most	# Om	1	;	1	I	1
8.0 - 10.0	QUARTZITE	Darker, finer grained wi scattered through along	th pyrite ar fractures.	nd limonite	9					
10.0 - 10.4	GRAPHITE	Possible fault zone (?)								
10.4 - 20.1	QUARTZITE	Dark, fine grained gradi grained quartzite with a stringer at 16.4.	ing into a li black spott	ighter fine ing-quarta	9 - 2					
20.1'- 20.2	GRAPHITE	Zone 45 degrees to core.								
20.2 - 21.3	QUARTZ	Vein (Barren)								
21.3 - 32.3	QUARTZITE	Light, medium grained.								
32.3 - 33.5	SLATE ?	Dark, fine grained - bre and fractures have graph small quantities.	cciated in p ite, pyrite	laces. Sli and limoni	.p .te in					
33.5 - 63.2	QUARTZITE	Medium grained - mineral 44.7 pyrite bands for 1" very little mineralizati	some graphi	te in frac	rely tures	-				
63.2		END OF HOLE								

	PROPERTY		BEARINO	2 0	LATITUDE	SHEET N		87/		no 21,	1057	144 W
			LENOTH	Due Bouth 63.8°	DEPARTURE	825 8		510		D 22,		-
	4	P	LOCATION	0346	ELEVATION	<u> </u>	- 		OGED BY C.	X	~ ~~~	
			ROCK			J	1		CORE SAA			
	FOOTAGE	NAME OF ROCK	*************************************	DESCRIPTION			SAMPLE NO.	WIDTH	FOOTAGE	ASSAY	ASSAY	X3 3
	8.0°-30.0° 20.0°-30.4° 20.4°-60.1° 20.3°-63.3° 21.3°-32.3° 22.3°-33.5° 33.5°-63.2°	QUARTETE QUARTETE QUARTETE QUARTETE QUARTETE QUARTETE SLATE ? QUARTETE	fracture planeture, fine continue, fine continue fine grained que strained que strained que strained que strained que strained que strained que light, such light, such light, such such fracture con fracture que har que strained que straine	grees to core. rren) ton grained. grained - brecole res have graphite,	mall quantity rate and limitates. The a lighter of a process pyrite and limitates and limitates are a process pyrite and limitates pyrite and limitates are a process pyrite and limitates are a pyrite and limitates pyrite and limitates are a pyrite and limitates pyrite pyrite and limitates pyrite pyrit	nite fine- mets Slip monite in			•			
	1						1					
The Control of the Co	63.2°		NED OF HOLI	B.								
TO THE STATE OF TH	63.2*		red of roll	L.								
	63.2°		THE OF HOLD	B.								

	COMPANYHO	YLE-PANACHE.	DIAMONI	D DRILL RECORD			HOLE NO.	3		
i.	PROPERTY		\$1000000000000000000000000000000000000	SHEET	NO.		DA	ı, Ju	ly 7, 1	195
	DIR ANOLES	· · · · · · · · · · · · · · · · · · ·	BEARING Due North	SATITUDE 2000E		\$7.	ARTED JU	ne 22	, 1957	
			LENOTH 49,61	DEPARTURE 825S		\$7	opped Ju	ne 25	, 1957	-
	•	43°	LOCATION S-98470	ELEVATION		10	GOED BY C.	Gidd	ings	****
ų	स		ROCK			·	CORE SAA	wies &		
	FOOTAGE	NAME OF ROCK	DESCRI	PTION	SAMPLE NO.	WIDTH	FOOTAGE	CU	A\$SAY N.T.	AUA
	0 - 2' 2 - 10.8'	QUARTZ QUARTZITE	No Casing White - barren - limoni Darkish, fine grained-l on some fractures.		H	1	1	i	1 1	
	10.8- 11.5' 11.5- 12.8' 12.8-13.8'	QUARTZ QUARTZITE	Graphite zone in quartz White with pieces of que Dark, fine grained grap Graphitic inclusions in limonite with graphite.	martzite mixed in. Phite on slips and frac n quartzite - pyrite an	tures.					
	13.8-16.5'	QUARTZ	Bluish white with graph pyrite mineralization i	itic inclusions - some	!					
	16.5-17.9'	QUARTZITE	Fine grained, dark grad Graphitic inclusions th	ing in and out of quar			LICA			
	17.9-20.3	QUARTZITE	Very dark - fine graine		it P	oor	QUAL	TYC	RIGIN	1AI

T WOALLT ONIGHNAL TO FOLLOW slips - core badly fractured with slips. Quartz

806 1.5'32-33.50.07 0.52 Tr

stringer at 19.9 - 1" wide. Bluish white-possibly some chlorite on fractures 20.3-24.8 **OUARTZ** pieces of quartzite in places with graphitic inclusions - some pyrite mineralization in quartz and pyriteand limonite on slips. 24.8-271 Very dark, fine grained, graphite on slips and QUARTZITE also some pyrite and chlorite ?? Contact with quartz about 30° to core. White with heavy cyrstalline pyrite mineralization 804 3' 27-30' 0.03 0.09 27' -27.4' **OUARTZ** -possibly some chalcopyrite and pyrrhotite. 27.4-28' OUARTZITE Dark, fine grained, some pyrite mineralization contact about 40° to core. 28 - 30' White-heavily mineralized with pyrite, some **OUARTZ** chalcopyrite and pyrrhotite about 5% of core volume mineral. 30 - 33.5**QUARTZ** Heavily mineralized - massive pyrrhotite 805 2' 30-32' 0.14 0.52 Tr

and pyrite - some chalcopyrite 65% mineralization

pyrite both massive and crystalline

graphitic schist ??

Graphitic zone at end of quartz-possible

33.5-33.6

on slips-some chlorite noted also along some

	COMPANY	4	DIA	MOND DRILL	RECORD			HOLE NO.	3		
	PROPERTY	\$4 00,00 0,101400,000,000,000,000			SHE	IT NO. 2		DA	16		
A	DIP ANOLES		BEARING		LATITUDE		\$1.	ARTED			
1			LENOTH		DEPARTURE		STO	OPPED			
			LOCATION		ELEVATION		10	GOED BY			
			ROCK					CORE SA	APLES	-	
	FOOTAGE	NAME OF ROCK		DESCRIPTION		SAMPLE NO.	WIDTH	POOTAGE	ASSAY	ASSAY	A337
	3.6 - 40.6' (0.6 - 41.6' (Very dark and fine some pyrite mineral grades into a light Very fine grained a horizontal to core	lization also ter fine gra: slaty materia	on slips - ined quartzite al - banded	1					

Dark, fine grained, graphite on slips - very

Dark, fine grained, heavily fractured with

graphitic slips - pyrite mineralization on

slips - some massive pyrite at 45.9'

STOPPED HOLE IN BARREN QUARTZ

END OF HOLE.

little mineralization.

Bluish white (barren)

QUARTZITE

44.0 - 45.9' OUARTZITE

45.9 - 49.6' QUARTZ

49.51

DUPLICATE COPY POOR QUALITY ORIGINAL TO FOLLOW

DIAMOND DRILL RECORD

HOLE NO.

SHEET NO. 1 DATE JULY 7. 2957 LATITUDE STARTED BEARING DIP ANGLES STOOM S Dog Borth DEPARTURE STOPPED LENGTH 60.60 8238 LOGOED BY C. QLASTING LOCATION ELEVATION 8- 96470 CORE SAMPLES 4 KOCK SAMPLE ASSAY ASSAY AS FOOTAGE HTDIW FOOTAGE NAME OF ROCK DESCRIPTION M. No Castag. White - barren - limenthe en fractures. 0-2 CHARLE 21-20-81 Darkish, fine grained - limmite and pyrite on OF THE PERSON NAMED IN some fractures. 20-20-22-50 Graphitic some in comptaits (schist?) some pyrite. 11.30-12-0 thite with pieces of questates mined in. CHAPTER 2 Dark, fine quained graphite on aline and fractures. 22.00-22.00 CHARTZITE Orachitic inclusions in quartaits - myrite and limente with graphite. Rimish white with associatio inclusions - some 13.0'-16.5' COLUMN portion mineralization in quests. Pine scalmed, dark grading in and cut of quarte 26.50-27.90 CHETZITE Osachitie inclusions throughout. Very dark - fine grained - graphite throughout 17.91-00.31 CURPILITY on aline - some chlorite noted also along some slips - core bally fractured with slips. Querte stringer of 19.9 - 1" wide. Rimin white - possibly some chlorite on fractores 20.31-24.81 CEMPTY. pieces of guertaite in places with graphitic inclusions - some prette mineralization in courts and myrite and limonite on aline. Very dark, fine grained, graphite on slipe and A 30-270 COMPANYAGE also some portee and chloritett Contact with quarte about 300 to core. White with beary organization pyrite mineralization 30 271-27.41 COMPANY. **BOA** 27-30 0.03 0.00 - possibly some chalcopyrite and pyrebotite. 27.41-681 Dark, fine grained - come myrite mineralization OTHER PARTY. contact shout 400 tocore.

ON:2NY	MUYTH PARACTER	DIA	AMOND DRILL RECORD			HOLE NO.	3_		
PROPERTY	*************************	12 cás 24 se any 140 se e ta 25 fa 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	SHEET N	0. 2		DAT	· July	17, 2	957
DIP ANGLES		BEARING	LATITUDE		S	TARTED			
		LENOTH	DEPARTURE		5	TOPPED			
		LOCATION	ELEVATION		1	OGGED BY	. 014	lings	
		ROCK				CORE SAM	PLES \$		
POOTAGE	NAME OF ROCK		DESCRIPTION	SAMPLE NO.	WIDTH	FOOTAGE	ASSAY	ASSAY	AS As
201-301	Grassz	chalcopyrite and volume mineral.	mineralised with pyrite, some pyrrhotite about % of core						
30*-33-5*	QUARTE	Heavily minerally	sed - mesive pyrrhotite o chalcopyrite. 63% mineralization	805	2.	30,-35,	0.14	0.52	23
ubits			ive and crystalline	806	1.5	32-33.51	0.07	0.52	T
33.5'-33.6'		Osmphitic some of achiet??	t end of quarts - possible graphiti						
33.6°-40.6°	CONSTANT	Very dark and fir some pyrite miner into a lighter fi	ne grained graphite on alips - palination also on alips - grades ine grained quartaite.				-		
40.60-42.00	SLASST	Very fine grained	d shifty #2 amtoriel - banded we with this (f") band of quartities				•		
W.6.44	SWALELLE	Dark, fine grain	ed, graphite on slips - very little						
W-45.9'	QUATETY:	mineralisation. Dark, fine gamine alips - pyrite m pyrite at \$5.9°.	ed, heavily fractured with graphiticarelisation on alipe, some enceiv	•				:	
45.91-49.61	GRASE	Rivish white fine	raen).						
49.5		MED OF HOLE							
		Stopped hole in t	burren guarte.						
						ļ			
	1 1			li .	i				ĺ

DIAMOND DRILL RECORD

HOLE NO. __4

1 SHEET NO. DATE July 8/57 STARTED June 26, 1957 LATITUDE 2770E DIP ANGLES BEARING Due South July 6, 1957 DEPARTURE 81.11 790S STOPPED LENGTH tocom by C.Giddings S-98475 LOCATION ELEVATION CORE SAMPLES ROCK SANA MAN SOATOUT DESCRIPTION WIDTH NAME OF ROCK **SOATOON** 0.0 - 2.0' Casing 2.0 - 20.1' QUARTZITE Light, medium grained, grading into a darker finer grained quartzite. Pyrite mineralization along slips and fractures - sparse chlorite also in slips. 20.1 - 23.0 SLATE?? Very fine grained, dark, farily heavily mineralized along slips with pyrite. Some chalcopyrite also. 23.0 - 33.9' QUARTZITE Dark, fine grained, mineralized with pyrite on slips and also in the rock itself. Quartzite in places becomes very dense - extremely fine grained. Near 33', coarsens out and become a bit siliceous, upon contact with quartz. Contact about 60° to core. 33.9 - 43.1' QUARTZ Dark - bluish-white, iron stained for first few feet with a few specks of fine pyrite showing at 36.3' pyrite begins to show in slips and fractures all along. Possibly a little pyrrhotite along some of the slips. 801 1' 42.1-43.1.02 0.04 43.1-48.3' Dark, bluish-white. very heavily mineralized **OUARTZ** with pyrite, pyrrho ite and chalcopyrite in 802 3' 43.1-46.1.10 0.56 0.0 minor quantitic Pyr e and quartz are in 46.1-48.3.19 0.33 0.0 803 2.2' crystalline for in r ces(small vugs) 50% of core mineralized lairly heavily mineralization in contact between quartz and quartzite. 48.3-49.0 Light, medium grained, no mineralization. OUARTZITE 49.0-49.5 Graphitic Zone - some pyrite on slips. 49.5-51.0 OUARTZITE Dark - bluish-white, with graphite and quartzite inclusions. DUPLICATE COPY 51.0-53.4 Light, medium grained, some pyrite on slips. QUARTZITE POOR QUALITY ORIGINA! 53.4-54.2 Dark - bluish-white, no mineralization. QUARTZ Graphitic zone - some pyrite on slips. 54.2-54.8' TO FOLLOW 54.8-56.0 QUARTZITE Light, medium grained, pyrite mineralization along slips and in the rock - heavy pryite at 55.0', possible some chlorite in core. 56.0-56.6 Dark-bluish-white, little pyrite mineralization, **OUARTZ**

some quartzite inclusions in quartz.

COMPANY		DIAN	NOND DRILL	KECOKD		•		HOLE NO.		14 / 2 A	\$650 M
PROPERTY		x 4 5 5 5 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6			SHEET NO	o. ²		DA	TE '		
DIP ANGLES		DEARING		LATITUDE			\$1/	ARTED			
		LENGTH		DEPARTURE			\$10	OPPED			
		LOCATION		ELEVATION			10	GOED BY			
		BOCK .						CORE SAM	APLES	_	**********
POOTAGE	NAME OF ROCK		DESCRIPTION			SAMPLE NO.	WIDTH	SOATOOS	ASSAY	ASSAY	X32.
100 mm					-	 	1	 	1		1
56.6-57.9	QUARTZITE	Dark, fine grained,	little min	eralization	n on sl	ips.					
57.9-58.7	QUARTZ	Bluish-white, no mir 58.1 to 58.6'	neralizatio	n, Chopped	from						
58.7-81.1	QUARTZITE	Light, fine grained, spotting - grading							*		
	pyrite and	graphite along slips mineralization become	s. Near en	d of this l		Anc.					
01 11		mineralization become	mes very so	arce.							

DUPLICATE COPY
POOR QUALITY ORIGINAL
TO FOLLOW

Indited Departure Depart	PROPERTY		BEARING	SHEET N		S.	140150	i gala		
IOCATION BILLY TOO BOOK BOO	DIF ANOLES		IENGIH	DEPARTIES				a.25 ,	1957	
FOOTAGE NAME OF FOCK DESCRIPTION SAMPLE CORE SAMPLE FOOTAGE ASSAY ASSAY 2.65.1. 0 - 2° 2°-60.1° QUERTEIN Light, motion grained, grading into a darker, finer grained quertaite. Pyrite mineralisation along slips and fractures - sparse chloride also in slips. 50.1°-63° SLATET! Very fine grained, dark, fairly heavily mineralised also along slips with pyrite. Some chalcopyrite also. Deet, fine grained, mineralised with pyrite on align and also in the rock theelf. Quertained in places becomes very dense - entreastly fine grained. Hear 33°, occaves out and becomes a bit siliceous, upon contact with querts. Contact shout 60° to core. 13.9°-33.1° QUERTE Derk - bluish-shite, iron stained for first few feet with a few species of fine pyrite showing at 5.3° pyrite begins to show in align and fractures all clong. Possibly a little pyritotite along some of the slips. 15.1°-56.3° QUERTE Derk, bluish-shite, very heavily mineralised with pyrite, pyrabotite and chalcopyrite in minor from in places (small wags) 90% of ore mineralised. Pairly heavy mineralisation in contact between querte and quertaits. 16.3° -50.0° QUERTET Light, medium graiped, no mineralisation. Querticis none - some pyrite on align. 16.3° -50.0° QUERTET Light, medium graiped, no mineralisation. Querticis none - some pyrite on align. 16.3° -50.0° -50.5° QUERTE Derk - bluish-shite, with gampite and quartaite	1	530	83.10	790.8				y_6,	1957	
FOOTAGE NAME OF ROCK DESCRIPTION O 2º O 2º Outre Class Cl			8-98175	ELEVATION	- 1	10	C		ings-	
O - 2° 2'-20.1' QUARTETY Casing. Light, solium grained, grading into a darker, finer grained wartaite. Pyrite mineralisation along slips end fractures - sparse chlorice also in slips. S0.1'-23' SLATETY Very fine grained, dark, fairly heavily mineralised along slips end slate; Russ chalcopyrite also. Derk, fine grained, mineralisation this gradine on alips and also in the rook itself. Quartaite in places becomes very dance - extraonly fine grained. Bear 33', convense out and become a bit slineous, upon contact with quarts. Contact about 60' to core. Dark - blaish-shite, iron stained for first few feet with a few speche of fine pyrite thoring at 35.3' pyrite begins to show in slips and fractures all along. Possibly a little pyrrhotite along some of the alips. Dark, blaish-shite, very heavily mineralised with pyrite, pyrshotite and chalcopyrite in minor quantities. Pyrite and quarts are in crystalline form in places (small ways) 90' of core mineralised. Pairly heavy mineralisation. Quartz and quartaite. Light, medium grained, no mineralisation. Quartz and quartaite. Light, medium grained, no mineralisation. Quartz in places (small ways) 90' of core mineralised. Pairly heavy mineralisation. Quartz and quartaite. Light, medium grained, no mineralisation. Quartz in places (small ways) 90' of core mineralised. Pairly heavy mineralisation. Quartz in places (small ways) 90' of core mineralised. Pairly heavy mineralisation on contact between quarts and quartaite. Dark - blaish-shite, with gamptite and quartaite					SAMPLE	 			ASSAY	Τ-
Ossing. Conting Conti	FOOTAGE	NAME OF ROCK	DESCRIPTIO	N		WIDTH	FOOTAGE			1
QUARTETE Dest; fine gamined, mineralised with pyrite on alips and also in the rock itself. Quartette in phases becomes very dense - entremby fine grained. Hear 33', converses out and becomes a bit siliceous, upon contact with quarts. Contact about 60° to core. 33.9'-43.1' QUARTE Dark - bluish-white, iron stained for first few feet with a few species of fine pyrite showing at 36.3' pyrite begins to show in alips and fractures all along. Possibly a little pyrrhotite along some of the alips. Dark, bluish-white, very heavily mineralised with pyrite, pyrrhotite and chalcopyrite in minor quantities. Pyrite and quartette are in crystalline form in places (small was) 90% of core mineralised. Pairly heavy mineralisation in contact between quarts and quartaite. Mail			finer grained quertaite. Pyr along alips end fractures - a in elips. Very fine grained, dark, fair	rite mineralisation sparse chlorice also rly hosvily mineralised						
Dark - bluish-white, iron stained for first few feet with a few species of fine pyrite showing at 36.3° pyrite begins to show in align and fractures all along. Resembly a little pyrrhotite along some of the align. Dark, bluish-white, very heavily mineralised with pyrite, pyrrhotite and dealectyrite in minor quantities. Pyrite and quarts are in crystalline foun in places (small vags) 90% of core mineralised. Fairly heavy mineralisation in contact between quarts and quartaite. 18.3°-b9.0° pyrite and quartaite.	23'-33. 9'	QUARTETYS	Pert; fine grained, mineralise alips and also in the rock is places become very dense -	sed with pyrite on teelf. Quarteite in entremely fine grained.						
pyrite, pyrhotite and chalcopyrite in minor quantities. Pyrite and quarts are in crystalline form in phases (small vags) 90% of core minoralised. Pairly heavy mineralisation in contact between quarts and quartaite. 14.3°-59.0° QUARTETY Light, medium graiped, no minoralisation. 19.5°-51.0° QUARTE Dark - bluish-white, with graphite and quartaite										
48.3°-59.0° QUARTETE Light, medium graiped, no mineralisation. 49.0°-59.5° 49.5°-51.0° QUARTE Dark - bluish-white, with graphite and quartaite			upon contact with quarts. Co Dark - bluish-shite, iron sta- feet with a few specim of fir 35.3° pyrite begins to show a all along. Possibly a little of the align.	mined about 60° to core. sined for first few me pyrite showing at in slips and fractures a pyrrhotite along some		1.	he.1-43.1	0.02	0.04	
			upon contact with quarts. Co Dark - bluish-white, iron sta feet with a few species of fix 35.3° pyrite begins to show a all along. Possibly a little of the alips. Dark, bluish-white, very hear pyrite, pyrebotite and chalor quantities. Pyrite and quart form in places (small vugs); Pairly heavy mineralisation;	wheet shout 60° to core. Mined for first few me pyrite showing at in slips and fractures a pyrrhotite along some rily mineralised with opyrite in minor hs are in crystalline 50% of core mineralised.	801.	3.	h3.1-46.1	0.30	0.56	
	43.1°-48.3° 48.3°-49.0° 49.0°-49.5°	QUARTE	upon contact with quarts. Co Dark - bluish-white, iron sta- feet with a few species of fix 36.3° pyrite begins to show a all along. Possibly a little of the alips. Dark, bluish-white, very hear pyrite, pyrabotite and chalor quantities. Pyrite and quart- form in places (small vegs) ? Pairly heavy mineralisation is quarts and quartaite. Light, medium graiped, no mis Greghitic sone - some pyrite	mined for first few me pyrite showing at in slips and fractures a pyritotite along some vily mineralised with coyrite in minor is are in crystalline so, of core mineralised. in contact between core slips.	801.	3.	h3.1-46.1	0.30	0.56	

COMPANY) 	DIAMOND DRILL	RECORD			HOLE NO.			1000 1000 1000
PROPERTY		, på . q		SHEET A	10. 2		DA	TE Jaky	0/57	
DIP ANOLES		BEARING		LATITUDE		87/	ARTED			
		LENOTH		DEPARTURE		510	OPPED			
		LOCATION		ELEVATION		100	OGED BY		A	
		ROCK		<u></u>	1	1	CORE SAA	C. CSA	- 47.TE	
FOOTAGE	NAME OF ROCK		DESCRIPTION		SAMPLE NO.	WIDTH	FOOTAGE	ASSAY	ASSAY	_ X3
\$4.8°-56.6° \$6.6°-57.9° \$7.9°-58.7° \$8.7°-61.1°	QUARTZIAR QUARTZIAR QUARTZIAR	along alips and 59.0°, possibly Dark - bluish-s some quartaite Dark, fine grad Bluish-shite, r 58.1 to 58.6°. Ident, fine grad spotting - grad pyrite and grag	grained, pyrite min in the rock - hea y some chlorite in white, little pyrit inclusions in quar hed, little mineral no mineralization. mined, greenish col- ling into a deriver white along slips. becomes very score	ry parite at tore. e mineralization, ts. limation on slips. Chopped from cured with dark guartaite - some Mear end of hole,	NO.					

COMPANY HOY	LE-PANACHE	DIAMOND	DRILL RECORD			HOLE NO.	<u> </u>	i de la constantina d Constantina de la constantina de la co	<i>.</i> €%.
PROPERTY		55 pa De salou espegene redands ar red	SHI	EET NO. 1		DAT	Jul	y 24/5	7
DIP ANGLES		BEARING North	LATITUDE 9253		\$1.	ARTED Jul	y 7,	1957	-
	45°	LENGTH 60.9	DEPARTURE 4180E		\$7	opped July	y 19,	1957	
이 125 이 소생		LOCATION S-98470	ELEVATION		10	GOED BY C.	M.Gid	dings	Management .
		BOCK				CORE SAM	PLES &		
FOOTAGE	NAME OF ROCK	DESCRI	TION	SAMPLE NO.	WIDTH	FOOTAGE	A\$\$AY Cu	NI 7	AU
0.0 - 2.0' 2.0 - 27.1'	QUARTZITE	No Casing, medium graine Very white, no mineraliz Brownish-white, medium graineralization. Small (1 veinlets scattered through	ation and no bedding ained, impure. No ./8-1") quartz	planes.	1	ı	l	1	
		Whitish-brown, medium gramineralization throughout and some chalcopyrite. Son slips. In places, 30-40% of cor	ined, with dissemina it core - pyrrhotite some pyrite showing re mineralized.	ted 807 808		27.1-31. 31.1-35.			
		Brownish-white, medium of mineralization but some chalcopyrite in places won the slips. Vug at 39	pyrrhotite and with some pyrite						
41.5'- 42.8'	QUARTZITE	Dark, fine grained - pyr with some chalcopyrite of some places fairly massi	rhotite mineralizati Hisseminated in core	on 809	1.3'	41.5-42.	8 0.0	9 0.08	Tr
42.8' - 47.5' 47.5' - 47.6' 47.6' - 60.9'	1	Dark, fine grained - alt Pyrite bleb in quartzite Brownish-white, medium of Some pyrite mineralizations shows signs of vugs at 5	ered, very little mi grained, altered. on on slips. Core	neraliza	tion.				
60.9'		END OF HOLE							

COMPANY	ENTE-MAKER	***************************************	DIAMOND	DRILL RECORD	•			HOLE NO.	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	外接	
PROPERTY	************************				SHEET NO). 1		DAT	e July	y 24/3	7
DIP ANGLES		BEARING	Borth	LATITUDE	925 B		\$1	ARTED	uly 7	1057	
	; .a0	LENOTH	60.9	DEPARTURE	\$180 E		\$1	OPPED	nja 10	• • • •	
•	5 ~	LOCATION	8-96470	ELEVATION			ıc		rde d		
		ROCK						CORE SAM	PLE	4	
FOOTAGE	NAME OF ROCK		DESCRIPT	он		SAMPLE NO.	WIDTH	FOOTAGE	ASSAY	ASSAY	AS A
0 - 2' 2'-27.1'	QUARTETTS QUARTETTS	Very white Brownish-s minoralise veinlets s	, medium grained.), no mineralizati thite, medium graintion. Small (1/1) contrared through rown, medium grain	ined, impure. M 3 - 1/4 inch) qu xut.	o erts	807	4.	27.1-31.	0.05	0 07	~
21.237.7	A	mineralise Mado esse	tion throughout opyrite. Some po	core - pyrchotite prite showing on	e end	•	4.41	31.1-35.			İ
35.51-41.51	QUARTZITE	Dromist-A mineralise	fiite, medium graition but some pyrite	ined, very little repotite and chai	loopyrite						
41.51-42.81	QUARTZITE	Park, fine with some places fai	greined - pyrste chalcopyrite disc lrly massive pyrst	Alte mineralism eminated in correction.	tion 0 - some		1.3*	41.5-42.	0.09	0.08	Tr
\$2.8°-\$7.5° \$7.5°-\$7.6° \$7.6°-60.9°	QUARTEITS	Pyrite bla Brownish-4	grained - alter to in quartaite. thite, medium grain tion on alips. (ed, very little : ined, altered. !	Bome pyrite						
60.91		red of hot	2.								
											ļ
					778						

COMPANYH	OYLE-PANACHE)8-800; \$40; 840; ***	DIAMON	D DRILL RECOF	LD SHEET H	o. 1		HOLE NO.	_6 Jul	ly 24/	
DIP ANOLES		BEARING	South	LATITUDE	850S		51	ARTED July	y 11/5	57	
-47	0	LENOTH	47.0	DEPARTURE	4120E		\$1	omeo July	y 18/	57	
		LOCATION		ELEVATION			10	OGED BY C	.M.Gid	dings	3
		ROCK						CORE SAA	MPLES		
SOATOON	NAME OF ROCK		DESCR	IPTION		SAMPLE NO.	HTDIW	FOOTAGE	ASSAY	ASSAY	ASS
	1	No Casing	ı			ľ	1	ı	1	1	i
0 - 47.0'	QUARTZITE	limy band mineraliz	white, medium ls in places. sation very sca to 60° to cor	Throughout th	e hole, s scarace,						
47.01		END OF HO	1T IP								

DIAMOND DRILL RECORD

HOLE NO.

P ANOLES		BEARING BOOK	LATITUDE	890 8		STA	RTED	nly 11.	1957
	till flat state i state In graph of the state i	LENOTH \$7.0	DEPARTURE	Area R		\$10	PPED	alv 18.	
	7	LOCATION B COLO	ELEVATION			100	OSD BY		Ciffina
		ROCK					CORE SAA		To the same of the
FOOTAGE	NAME OF ROCK	DESCRIPT	ION	8.	AMPLE NO.	WIDTH	FOOTAGE	ASSAY	ASSAY A
0 - 47.0°	QUARTETYS	No Casing. Recorded white, making grading the law bands in places. They minepalisation very source seems to 60° to core. Quantum hole.	combout the bole.	oft					
47.00		MED OF HOLE.							
,							,		
				l l	1			i i	.]

White - some mineralization at beginning

Dark, glassy, heavy pyrite mineralization

Dark, bluish - black, little pyrite on slips.

chalcopyrite very little pyrrhotite.

and massive pyrite 53.5-54.0 some

scattered throughout core - some

chalcopyrite.

END OF HOLE

51.6- 54.0

54.0-58.71

58.7-60.5'

60.51

OUARTZ

OUARTZ

OUARTZITE

DUPLICATE COP'S POOR QUALITY ORIGINA. TO FOLLOW

813 2.5' 56.3-58.8 0.12 0.09 Tr

812 3°

Co - .0928

Aq. Trace

Aq.Trace

53.3-56.3 0.22 0.13 Tr

COMPANY	HOYLE-PANA	CHE	DRIES RECORD			HOLE NO.	<u>B</u>	*****	
PROPERTY	**********************	***************************************		SHEET NO. 1		DA	™ Jul	y 26/	57
DIP ANGLES	······································	BEARING North	LATITUDE 870)S	ST.	ARTED JUI	y 24,	1957	
-45°		LENGTH 60.0	DEPARTURE 2670	E	570	opped Jul	y 26,	1957	
inger og er		LOCATION S-98475	ELEVATION		10	COED BY C.N	. Gid	dings	
·		ROCK				CORE SAA	PLES	-	
FOOTAGE	NAME OF ROCK	DESCRIPTI	ON	SAMPLE NO.	WIDTH	POOTAGE	ABIVAY	ASSAY	ASS
0.0 - 4.0 4.0 - 12.3		CASING BROWNISH, medium grained, Bedding - nil	, very little mine	eralization	1				-
12.3 - 13.0 13.0 - 35.8		Black altered - no bedding Brownish, medium grained on slips - core cut in plants.	, some pyrite mine lace with #" quart	eralization tz veinlets) ;				
35.8 - 42.7	QUARTZITE	35.4-35.8 core mineralized Dark, fine grained, alterwith pyrite. Core in place no heavily mineralized as	red - graphite on ces almost complet	most slip	s	yrite			
42.7 - 44.2 44.2 - 50.7	_	White - in places being of Dark, medium-grained - be on slips. Also graphite of fractured.	cut by quartzite - edding nil - pyrit	e minerali		n			·.
50.7 - 52.5	QUARTZ	White - very impure having raphite on slips. No min		usions with	1				
52.5 - 55.5	QUARTZITE	Dark, medium grained, alt mineralization. Chop 1.5	ered with quartz,	, very litt	le				
55.5 - 56.5	QUARTZ	White with veinlets ofcal No mineralization.		juartz					
56,5 - 57.2	FAULT	Fault zone consisting of small pieces of quartzite noted past mud zone in quartzite state.	e and quartz - som	me graphite	:				
57.2 - 59.3 59.3 - 60.0	-	Dark, fine grained, alter Dark, blackish, little mi	ed - mineralizati						
60 O		END OF HOLE							

家	COMPANY	BOXUN-PARACEI		DIAMOND D	RILL RECORD				HOLE NO	8	ar grit	N.
	PROPERTY		a buan 2 88 ha 58 ha co e e e e e e e e e e e e e e e e e e			SHEET NO	. 1		0	ATE July	26/57)
	DIP ANOLES	Magazina di Amerikan di Amerik	BEARING	North	LATITUDE	870 s		\$1/	ARTED A	ely gh,	1957	
Y A		-450	LENOTH	60,0	DEPARTURE	2670 B		510	OPPED A	11y 26.	1957	
			LOCATION	6-96475	ELEVATION			100	OGED BY C			
	ani sa .		ROCK						CORE SA			
oria. Mari	FOOTAGE	NAME OF ROCK		DESCRIPTION	· ·		SAMPLE NO.	WIDTH	FOOTAGE	ASSAY	ASSAY	AS!
•	0 - 4.0'	QUARTETEE	CASINO Brownish, s Bedding - s	medium grained, ve	ry little mine	ralisation						
	12.3'-13.0'	GIRECTLE	Black alte	red - no bedding o	r mineralizatio	m. Pino						
	13.0°-35.6°	QUARTZITE	grained. Dromish, i on slipe - 35.4-35.6 of pyrite.	modium grained, so core cut in place core mineralised s	me pyrite miner with i quart lightly with f	ralisation veinlets ke specks						
	35.8°-42.7°	GUARAZZIYE	Perk, fine with pyrit	grained, altered e. Core in places mineralised erea.	almost comple		.					
	\$2.7'-\$4.2'	CURTE		places being cut								
	44.2°-50.7°	QUARTETYS	PHECK, MISCO	ibbod - beatens su	of arr - Mara	MAINTALL	227 7011					

white - very impure having quartrite inclusions with

Dark, medium grained, altered with quarts, very

little mineralisation. Chop 1.5' 53.5-55.0 White with voinlets of calcite (?) cutting quarts

Fault some consisting of brecciated and containing small pieces of quartaite and quarts - some graphite noted past and some in quarts - quartaite core.

Dark, fine grained, altered - mineralization - nil. Dark, blackish - little mineralization.

graphite on alips. No mineralization.

fractured.

No mineralization.

END OF HOLE.

50.7'-52.5'

52.51-55.51

55.51-56.51

56.51-57.21

57.2°-59.3° 59.3°-60.0°

60.0

QUARTE

CHARTE

PAIRE

CUARTZITE

QUARTZITE QUARTZ

COMPANYHO	YLE-PANACH	EDIAMONI	D DRILL RECORD			HOLE NO.			e de la companya de l
PROPERTY	1 000-0 0141-00 000 -00-00-00000	1 D42 5 2 5 7 8 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	SHEET A	10.		DA	te Aug	.1/19	57
DIP ANGLES		BEARING North	LATITUDE 860S		5	TARTED JU	ly 27	, 195	7
general design		LENGTH 61.0	DEPARTURE 3210E		\$	TOPPED JU	1y 28	, 195	7
-4	4°	LOCATION S-98470	ELEVATION		L	DOOED BY C.			
Section 1		ROCK				CORE SAA	IPLES	-	
FOOTAGE	NAME OF ROCK	DESCRI	PTION	SAMPLE NO.	WIDTH	FOOTAGE	ASSAY	ASSAY	A33.
0.0 - 16.5'	QUARTZITE	Medium grained, no mine in colour - having blac		T!	1				
16.5 - 19.6'	QUARTZITE	Darker, medium grained mineralization througho	with disseminated pyrit	е					
19.6'- 19.9'	DOLOMITE?	chalcopyrite. Soft, fine grained - gr affected by acid.	eenish-grey. Not						
19.9 - 24.4'	QUARTZITE	Light coloured, fine gr Bedding indistinct.	ained, no mineralizatio	n.					
24.4'- 25.2'	3	Dark, medium-grained, some mineralization. Re		h					
25.2 - 31.1'	QUARTZITE	Greenish-grey, fine gra scattered in places in Chalcopyrite. Bedding showing in place	ined mineralization core. Pyrite and some						
31.1 - 38.0'	QUARTZITE	Dark, altered, fine gra on slips. Graphite prev	ined, some mineralizati	on					
38.0 - 39.91	QUARTZITE	Medium grained, greenis mineralization - Beddin	h-grey, little						
39.9 - 61.0' 61.0'	QUARTZITE	Altered medium grained, into areas of black, fit texture - mineralizatio throughout core - pyrit Bedding predominant 50° END OF HOLE.	darkish green grading ne grained graphitic n widely scattered e and some chalcopyrite	(?)	v.				

At 41.9" grind 10"

POOR QUALITY ORIGINAL TO FOLLOW

o de la companya della companya della companya de la companya della companya dell

COMPANY BUYES BARGOR DIAMOND DRILL RECORD HOLE NO. PROPERTY SHEET NO. 1 DIP ANGLES BEARING LATITUDE STARTED 860 B Morth July 27, 1957 DEPARTURE LENGTH STOPPED 9.0 3010 E July 28, 1997 LOGGED BY Clyde M. Olddings LOCATION ELEVATION 8-200-70 CORE SAMPLES ROCK ASSAY ASSAY AS FOOTAGE FOOTAGE NAME OF ROCK DESCRIPTION WIDTH 0 - 16.51 CHARTETTE Medium grained, no mineralization. Gray-green in eclour - having black specks. No beddings. 26.51-19.61 Darbor, medium analysed with disseminated purite CHARTETTE mineralization throughout - possibly some chalcopyrite. Boft, fine grained - greenish-grey. Not affected 19.60-19.90 DOLOMITES to acid. 19.90-04.40 CLARTZITE Light coloured, fine grained, an mineralization. Bedding indistinct. 24.41-25.21 1 Dark, medium grained, coft - phlogopite mice with some mineralisation. Remotion to H Cl. Greenish-grey, fine grained, mineralisation scattered 25.21-21.11 CHARTETY in places in core. Pyrite and some chalcopyrite. Redding showing in places at 500 to core. 72.36.0° Dark, altered, fine grained, some mineralization on COMPLETE aline. Oreghite prevalent throughout core. Medium grained, greenish-gray, little mineralization 38.00-39.90 DIESTVALE. Bedding 500 to core. Altered medium grained, durkish green grading into 39.9'-61.0' **MARTY UT** eroes of black, fine grained graphitic texture mineralisation widely scattered throughout core pyrite and some chalcopyrite (/1/) bedding predominent 900 to core. മഹ IND OF HOLE. At \$1.9' exted 10"

	MANY TO THE PANACIE				HOLE NO							
PROPERTY	40-00-041-040-040-040-0-04-0-04-0-0-0-0-				SHEET NO) . 1		DAT	e Aug	,.1/19	57	
DIP ANOLES		BEARING	North	LATITUDE	815S		87/	IRTED Jul	y 28	1957		
- 41°		LENOTH	60.1	DEPARTURE	3210W		STO	opped Jul	y 29,	1957		
		LOCATION		ELEVATION			lo	DOED BY C.M	. Gid	dings		
		ROCK						CORE SAM	PLES			
POOTAGE	NAME OF ROCK		DESCRIPTION			SAMPLE NO.	WIDTH	FOOTAGE	ASSAY	YAZZA	ASS	

0 - 2.0'

Maria Maria

Casing

2 - 60.1' QUARTZITE

QUARTZITE Altered dark, medium grained having quartz inclusion throughout the hole intermingled with The quartzite. Graphite is noted along the slips in the hole increasing shear the end of hole.

Mineralization very scare, some pryite on slips. Bedding very indistinct but where noticed, is about 45° to core.

60.1'

END OF HOLE

DIP ANGLES		BEARINO	rth	LATITUDE	815 8		87/	ARTED	hily M	1957
	-610		0,1	DEPARTURE	3570 g		870		-	1957
$oldsymbol{b}_{r}$	-47.		647 0	ELEVATION			100			01881n
		ROCK						CORE SA	MPLES	
FOOTAGE	NAME OF ROCK		DESCRIPTION	Y		SAMPLE NO.	WIDTH	FOOTAGE	ASSAT	ASSAY
2.0°-60-1°	QUARTZITS	Altered, dark, inclusion through the quartaite. in the hole increasing very in 45° to core.	ghout the ho Oraphite is reasing abon very scares,	le interningle noted along to the end of h some pyrite of	d with he slips ole. n slipe.					
60.1°	Ì	nd of hole.								

.

	OPERTY HOYL	e-panache	DIAMO	ND DRILL RECOR	D SHEET	_{NO.} 1		HOLE NO.	11 11 Au	ıg.1,5	7
Ţ	DIP ANOLES	Arija	BEARING North	LATITUDE	815S		\$7/	ARTED Ju]	ly 29,	1957	
	-45	•	LENOTH 25.0	DEPARTURE	3150E		\$10	opped Jul	y 29,	1957	
			LOCATION S-98470	ELEVATION			100	GOED BY C.N	.GIDD	INGS	
* [ROCK .					CORE SAM	IPLES		
۱ ۲	POOTAGE	NAME OF ROCK	DES	CRIPTION		SAMPLE NO.	WIDTH	FOOTAGE	ASSAY	ASSAY	ASSA
			NO CASING						1		1
	0.0-4.31	QUARTZITE	Dark, medium grained -	no bedding							
	4.3-4.8		Dark, fine grained. He altered zonesome in			-					

25.01

END OF HOLE

4.8-25.0' QUARTZITE Dark, medium grained - little mineralization.

Quartz at 5.5' - 5.3" - 21.4'-21.9'

15.8'

2' chop

COMPAN	107	12-rainacsox		DIAMOND	DRILL RECORD				HOLE NO.		1 2 2 2 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	SAMI SAMI
PROPERTY	habenndorase knobes	**********	***********			SHEET N	0.		Ď.	LTE A	g. 2, 2	95
DIP ANOI	E8		BEARING		LATITUDE	A15 B		ST	ARTED	ly 190.	1957	
		he0	LENOTH	25.0	DEPARTURE	3150 B		\$7	OPPED 🚜	17 89.	1957	
		-4)	LOCATION	898470	ELEVATION			lo	GOED BY CO	yåe M.	Gissin	88
- 14 J. V			ROCK					·	CORE SA	MPLES		
700	TAGE	NAME OF ROCK		DESCRIPTIO	М		SAMPLE NO.	HTDIW	FOOTAGE	ASSAY	ASSAY	
4.8*-	.3° 4.8° 25.0° .0°	QUARTEITS QUARTEITS	Derk, fir	tive grained - no to grained. Heavy sime - some iron s live grained - 11' 5.5' - 5.3' -	grephite throught on aline.							

* :

COMPANY _HOYLE	PANY HOYLE-PANACHE DIAMOND DRILL RECORD						HOLE NO.	12_		
PROPERTY		******************************		SHEET NO	o. 1		DA	TE Aug	g.1/57	
DIP ANGLES		BEARING North	LATITUDE	885S		ST	ARTED July	y 30/1	.957	
- 44	0	LENGTH 60.2	DEPARTURE	2625E		ST	OPPED J1	y 31/1	.957	
		LOCATION S-98475	ELEVATION			10	GGED BY C	M. Gi	.dding	s
		BOCK	**************************************				CORE SAA	APLES	-	
SOATOOS	NAME OF ROCK		DESCRIPTION		SAMPLE NO.	WIDTH	FOOTAGE	ASSAY	ASSAY	
0.0 - 6.3° 6.0 - 60.2°	QUARTZITE	CASING Dark, medium grained Some pyrite on slips grading into light m	 Bedding about 	70° to cor	on. e -	1				

places for one to two feet then back into dark variety. Some black spotting noted in core near

end of hole.

END OF HOLE

60.21

	MITTER-BANKS			ALLERO TITLE OF				
				SHEET NO. 1			TE AND	1, 195
DIP ANGLES		BEARING	LATITUDE	865 B	STA	ARTED	dily y	1, 1557
	مند	LENOTH 60.2	DEPARTURE	9605 B	\$10	OPPED	July 3	1957
		LOCATION B 98675	ELEVATION		10	GGED BY C	lyde K	DEAGLO
·		ROCK		SAMPLE		CORE SAI	ASSAY	ASSAY
FOOTAGE	NAME OF ROCK	DESC	RIPTION	NO.	WIDTH	FOOTAGE	13371	
60.2°	QUARTZI 18	CATING Dark, modium grained - come pyrite on alipe. grating into light medic places for one to two free one of hole. RED OF HOLE.	in grained quartest set then bank into	dest				

LYOH YMARMOD	E-PANACHE	DIAMOND	DRILL RECORD			HOLE NO.	_13 _		•		
PROPERTY	7846 564 557 56 76 76 600 5 60 5 50 5 6 6 6	**************************************	SHEET NO). l		DAT	• Aug	.1/195	7		
DIP ANGLES	## - #### ### - # - ## - ## - ## -	BEARING North	LATITUDE 840S			STARTED July	31,	1957			
17		LENGTH 34.9	DEPARTURE 2830E			STOPPED July	31,	1957			
- 43°		LOCATION S-98475	ELEVATION			LOGOED BY C.M. Giddings					
		ROCK		CORE SAMPLES &							
FOOTAGE	NAME OF RUCK	DESCRIP	TION	SAMPLE NO.	WIDT	30ATOO1	AS\$AY -CU		AU.		
8.7 - 11.3' 11.3'- 12.8' 12.8 - 16.6 16.6 - 17.6	QUARTZITE QUARTZ QUARTZITE QUARTZITE QUARTZITE QUARTZ	CASING Recemented Quartz - Quart covered with iron. Light, medium grained. Experience of the property of the p	broken - some bluish whiteces. ine grained. Broken no mineralization. In slips. Ired - pyrite on slips ned. Heavy graphite mingled with white quar of quartzite ned. Some pyrite and neralization of some pyrrhotite. alized. Some of the rm. Small balls of	tz.	1.9'	19.4-21.	3 0.1	9 0.48	Tr		
	PYRRHOTITI	Dark, fine grained alter on slips - no bedding no EMassive with small balls White barren.	ed. Some mineralization ted.	815 (0.4'	29.2-29.		0.04	6 Т		
34.9'		END OF HOLE									

DUPLICATE COP A
POOR QUALITY ORIGINAL
TO FOLLOW

	•		
ANIMILIO		MONTO-SHAMACIER	
COMPANT	*********	MOVIED-PARACINE	••••

DIAMOND DRILL RECORD

HOLE	NO.	

PROPERTY

SHEET NO.

DATE AND. 1, 1957

DIP ANGLES REARING LATITUDE STARTED Abo a Borth July 11 1057 IFNOTH DEPARTURE STOPPED 2 OF BR 20.0 July 31, 1957 450 LOGGED BY CLYGO N. GLASINGS LOCATION ELEVATION 806575 CORE SAMPLES ROCK SAMPLE ASSAY ASSAY AS FOOTAGE NAME OF ROCK DESCRIPTION WIDTH FOOTAGE NO. On. M. 0 - 6.0 CAGTING 6-01-6-61 Recommend guarts - quartaite pieces. Resvily occupied with iron. 6.6 -8.7 Light, medium grained. Broken - some bluish white CHARPZITE merts. Iron stain on pieces. Altered - dark (black) fine grained. Proben -8.70-11-31 CHARTETY beary grachite on aline - no mineralization. Dork white - iron rust on alipe. 11.30-12.80 CEMETZ 12.8 -16.6 CHERTZICE Dork, fine grained, altered - porite on aline. Altered, dark, fine grained. Heavy grantite areas 16.61-17.61 CURRILITE in core - guertaite minuted with white quarta. Some myrite on aline. 17.60-18.10 White - some inclusions of quartaite. CEMPER Durk, altered, fine grained. Some myrite and 18.1.10.4 CHETZITE chalconwrite on aline. White, eltered, beary mineralisation of pyrite 1.9 19.4-21.3 0.19 0.48 5 19.4'-21.3' CLIMETE (1) chaleogyrite & some pyrrhotite. In places, 505 core mineralised. Some of the pyrite in crystalline form. Smil balls of surcesite in pyrite mineralisation. Dark, fine grained altered. Some :mineralization on slips - no bedding noted. 22.3'-29.2' CLERTZITE theatre with small balls of mercratte englosed. 815 0.40 29.2-69.6 0.01 0.046 29.29.69 PERMIT 29.61-34.91 CHRITZ ihito - herren. Co. .0465 34.9 FRED OF ROLL.

BEARING

LENGTH

North

25.0

DIP ANOLES

DIAMOND DRILL RECORD

LATITUDE

DEPARTURE

HOLE NO. _____

DATE Aug.1/1957 SHEET NO. 1 STARTED 835S Aug. 1/1957 STOPPED Aug. 1/1957 2865E

-40°	LENGTH 25.0	2865E		\$10	Aug.	1/19	57	
	LOCATION S-98475	VATION		10	GOED BY C.M.	Gid	dings	
	ROCK				CORE SAMP	.es 8	_	
FOOTAGE NAME OF ROCK	DESCRIPTION		SAMPLE NO.	WIDTH	FOOTAGE	ASSAY	ASSAY NI	AU
0.0 - 3.1' QUARTZITE	Dark, medium grained, altered. I slips - bedding nil.	ron rust on all						
3.1 - 4.1' QUARTZ	Bluish-white, no mineralization. of quartzite.	Inclusions						
4.1 - 4.3 QUARTZITE 4.3 - 5.6' QUARTZITE	Impure. Fine graphitic zone. Altered, dark, fine grained. Qua in places.	rtz inclusions						
5.6 - 7.0' QUARTZ 7.0 -12.5' QUARTZITE	Bluish-white, barren. Dark, altered, medium grained. Enone. Quartz inclusions in core. mineralization in core - heavier	Some pyrite						
12.5 -14.1' QUARTZITE	Dark, altered, medium grained, he mineralized with pyrite and some Some mineral disseminated in cor	eavily chalcopyrite. e.	817 1	.7'	12.4-14.1	0.0	0.19	9 Tr
14.1 -16.7' QUARTZITE	Dark, altered, medium crained, ve mineralization.	ry little						
16.7 -19.4' QUARTZITE	Dark, altered, grading into quar Heavily mineralized in spots and disseminated, pyrite and some py chalcopyrite.	mineralization	818 2	.7'	16.7-19.4	0.05	0.2	2 Tr
19.4 -25.0' QUARTZITE	Dark, altered, fine grained with inclusions mineralization in plathroughout core. Fairlymassive a	ces -						
25.0	END OF HOLE							

DUPLICATE COPY
POOR QUALITY ORIGINAL
TO FOLLOW

·	7		•		 	•
CC	M	YNA	***********	S (1)		

DIAMOND DRILL RECORD

🕳 . 🕳			
HOLE	NO	10	
11000	1101	******	

PROPERTY

SHEET NO. 1

DATE ANG. 2, 297

DIP ANGLES		BEARING BOOKS	LATITUDE 835	3	Š.	TARTED	Anguel	1.105	54
ль. ф .	œ	LENOTH 25.0	DEPARTURE 2865		S	TOPPED	Amennt	1, 199	
	0-	LOCATION 8 96475	ELEVATION		10	DOGED BY C	lyde K	CLAN	
		ROCK				CORE SA	MPLES &	. \$	· · · ·
FOOTAGE	NAME OF ROCK	DESCRIPT	NON	SAMPLE NO.	WIDTH	FOOTAGE	ASSAY	ASSAY	7
0 - 3-1'	QUARTETE	Park, relium grained, alt	ered. Iron rust on all						
3.1.4.1.	CIMETE	slips - bedding mil. Rhuish-white, no minerali	antion Trefuedane of						
300,000	Arearte	quartrite.	SAMPONARIO ARRIGANDANDO OR						
4.3'-4.3'	GINEGISTAR	Incure. Fine graphite so							
4.3°-5.6°	QUARTZITE	Altered, dark, fine grain	ed. Quarts inclusions in						
5.6'-7.0'	CONSTR	Elizish-shito, baryen.							
7.01-12.51	QUARTEINE		dinod. Bedding plante – n Dome pyrite minoralism						
		in core - heavier mear 12							
12.5°-24.1°	CONFICTION		ined, howelly mineralised	80.7	1.70	12.4-14.	1 0.04	0.19	8
		with pyrite and some chal diseminated in core.	copyride. Some mineral						
24.29-26.79	CHARTETTE		deed, very little mineral						
16.7'-19.4'	QUARTETYS.	Perk, eltered, grading in		හින	2.7	16.7-19.	4 0.05	0.22	8
		Heavily minuralised in ap discominated, pyrite and							
		chalcopyrite.			ĺ				
19.465.0.	QUARTEITE		ed with quests inclusions - throughout core. Fairly	.					
		mesive et 21.7'.	- management and a series						
25.01		IND OF HOLE.							
23.00		TEAT OF HOLDS.		1					
					İ				
					ļ				
				}					
									1
							1		

COMPANYHO	YLE-PANACHE		DIAMOND DKILL	RECORD				HOLE NO.		······································	
PROPERTY		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			SHEET NO.			DA	tt Sej	5/5	7
DIP ANOLES		BEARING		LATITUDE			\$1	IARTED			
		LENGTH		DEPARTURE			\$1	TOPPED			
		LOCATION		ELEVATION			ıc	OGGED BY			
		ROCK	·					CORE SAA	APLES	-	
FOOTAGE	NAME OF BOCK		DESCRIPTION			SAMPLE NO.	WIDTH	FOOTAGE	ASSAY	ASSAY	ASSA
		-			H	ļ		Co.	N d	0	00

Composite samples of samples from Hole Nos.

3, 4, 7, 13

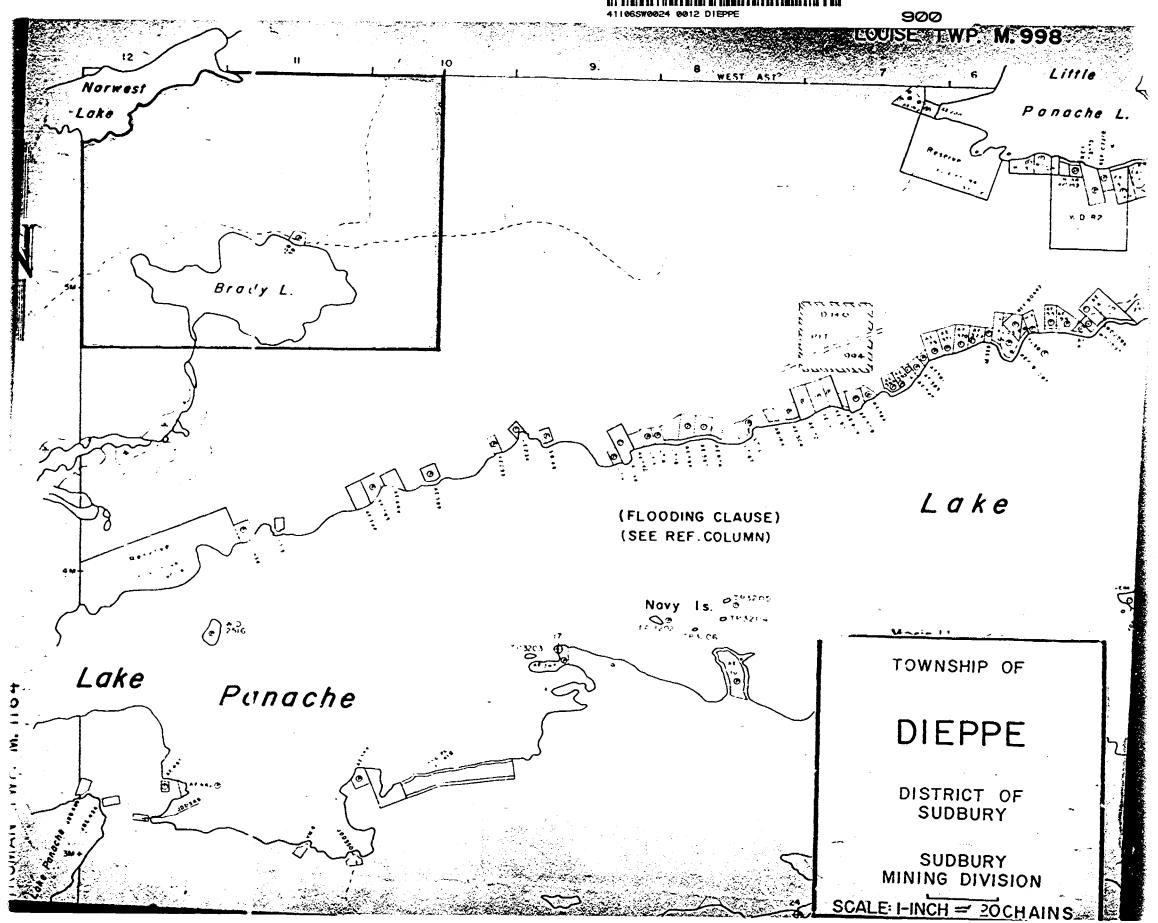
Sample Nos. 802, 803, 805, 806, 811, 814, 815

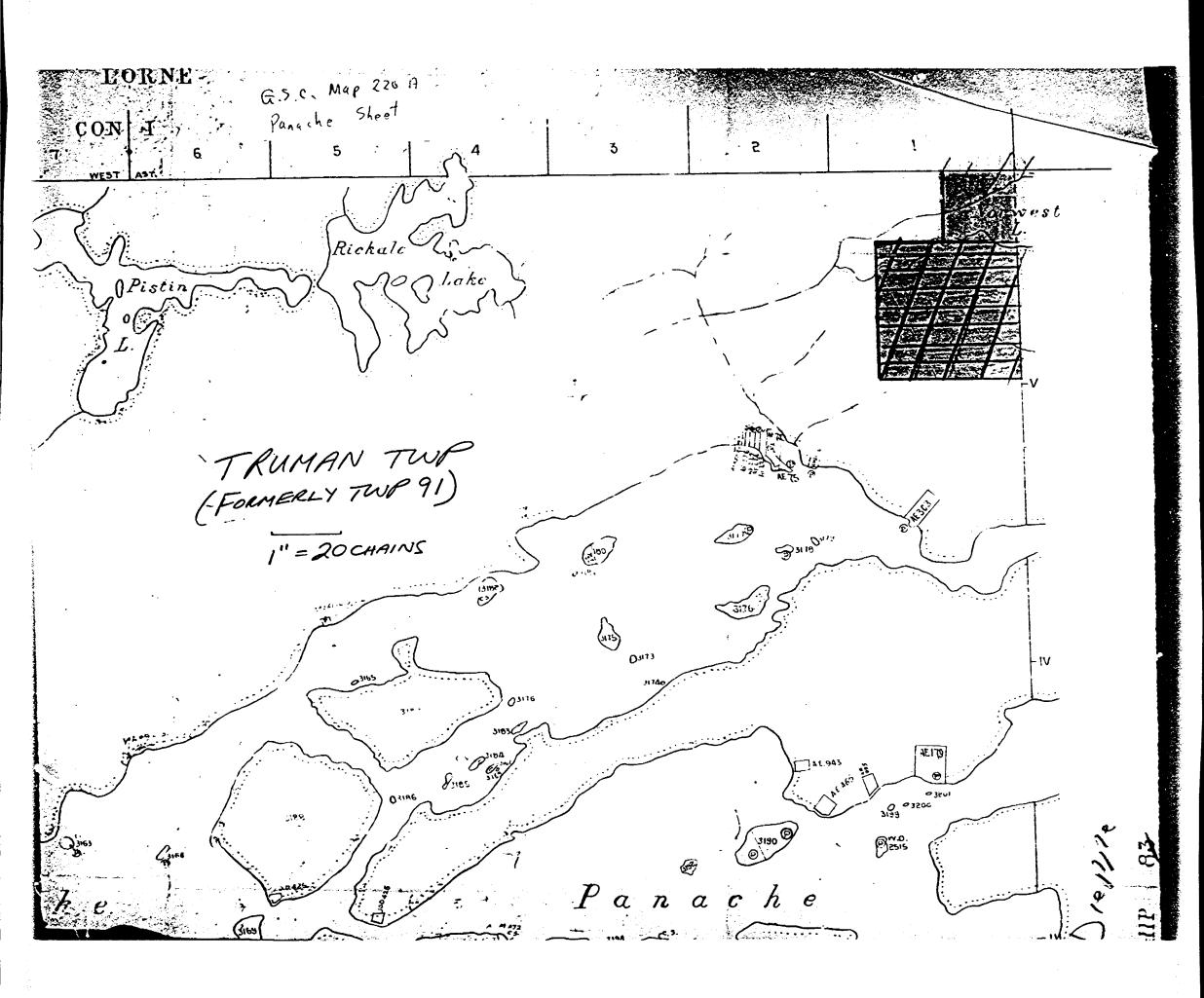
827

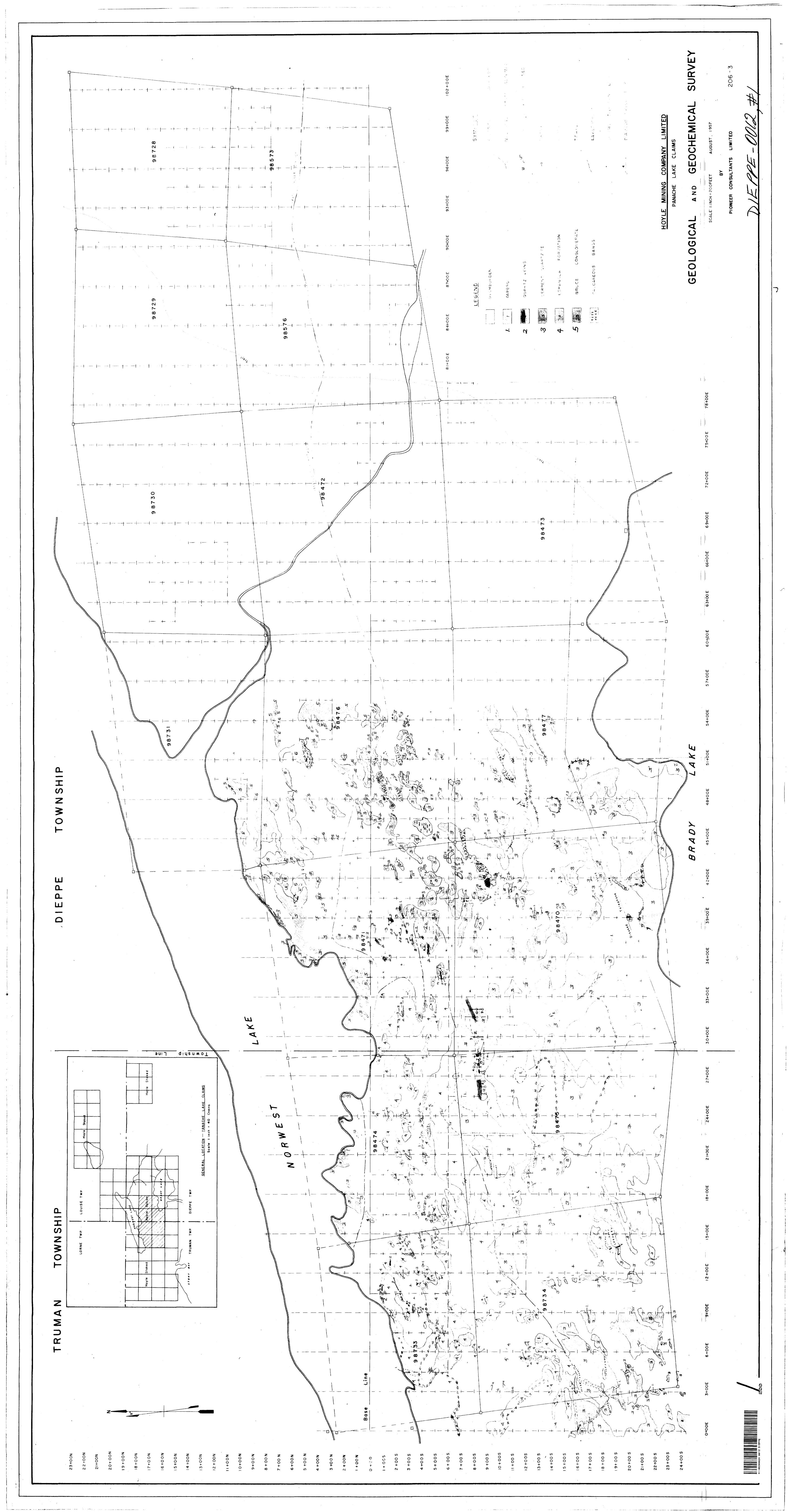
0.002 0.48 0.13 0.13

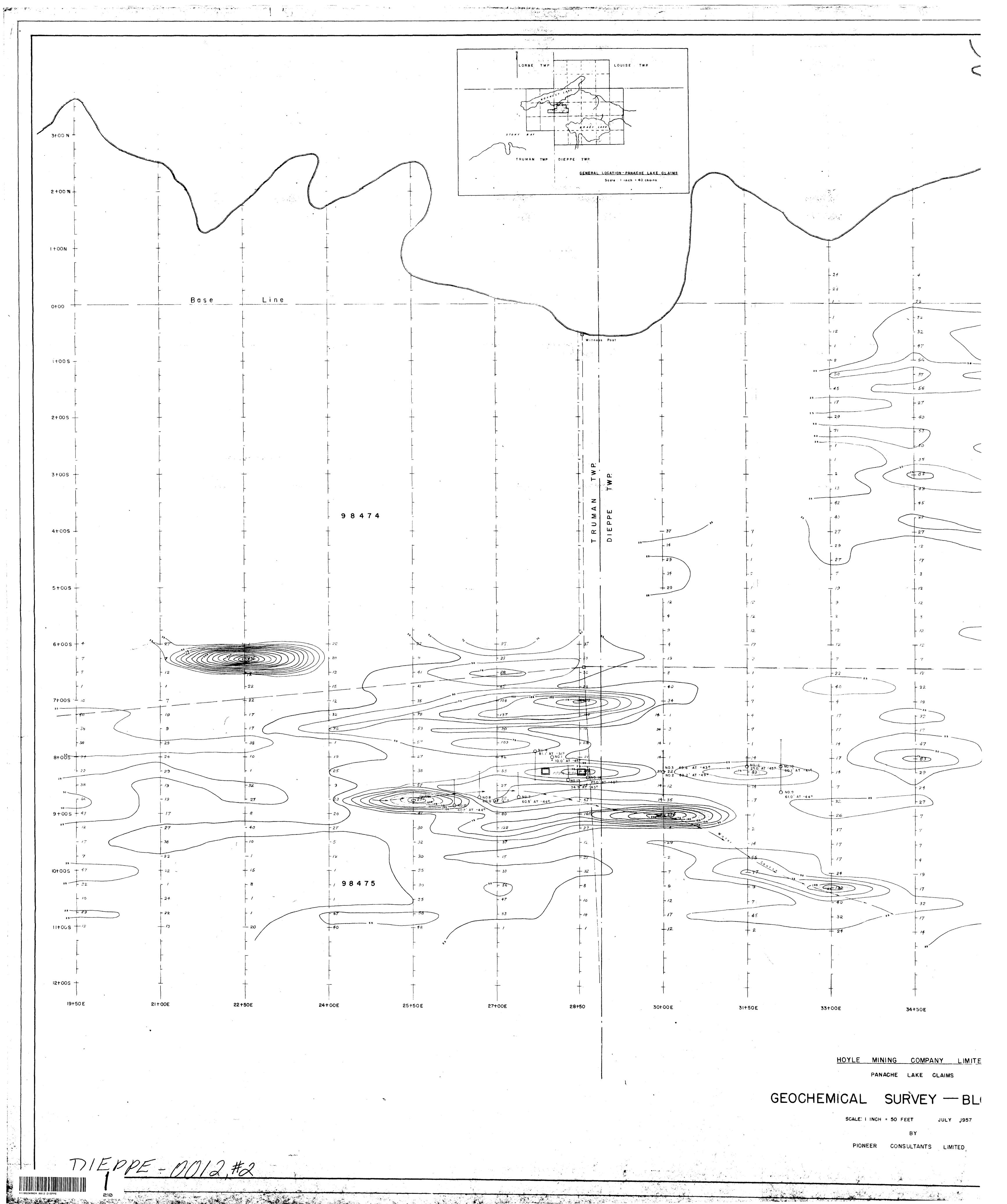
ROPERTY	www.gae.com.ca.ca.ca.ca.ca.ca.ca.ca.ca.ca.ca.ca.ca.	9 4 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	\$HEET	NO.		DA	TE See	1. 3/5
DIP ANOLES		BEARING	LATITUDE		\$1/	ARTED		
		LENOTH	DEPARTURE		\$10	OPPED		
		LOCATION	ELEVATION		10	OOED BY		
	······································	ROCK				CORE SA	MPLES	
FOOTAGE	NAME OF ROCK		DESCRIPTION	SAMPLE NO.	WIDTH	HOODE	ASSAY	
		Composite sample	ine of emples from Nois Nos. 3, 4,					
		Sample Nos (30e, 803, 805, 806, 811, 81A, 815	827		0-008	0.48	0.23

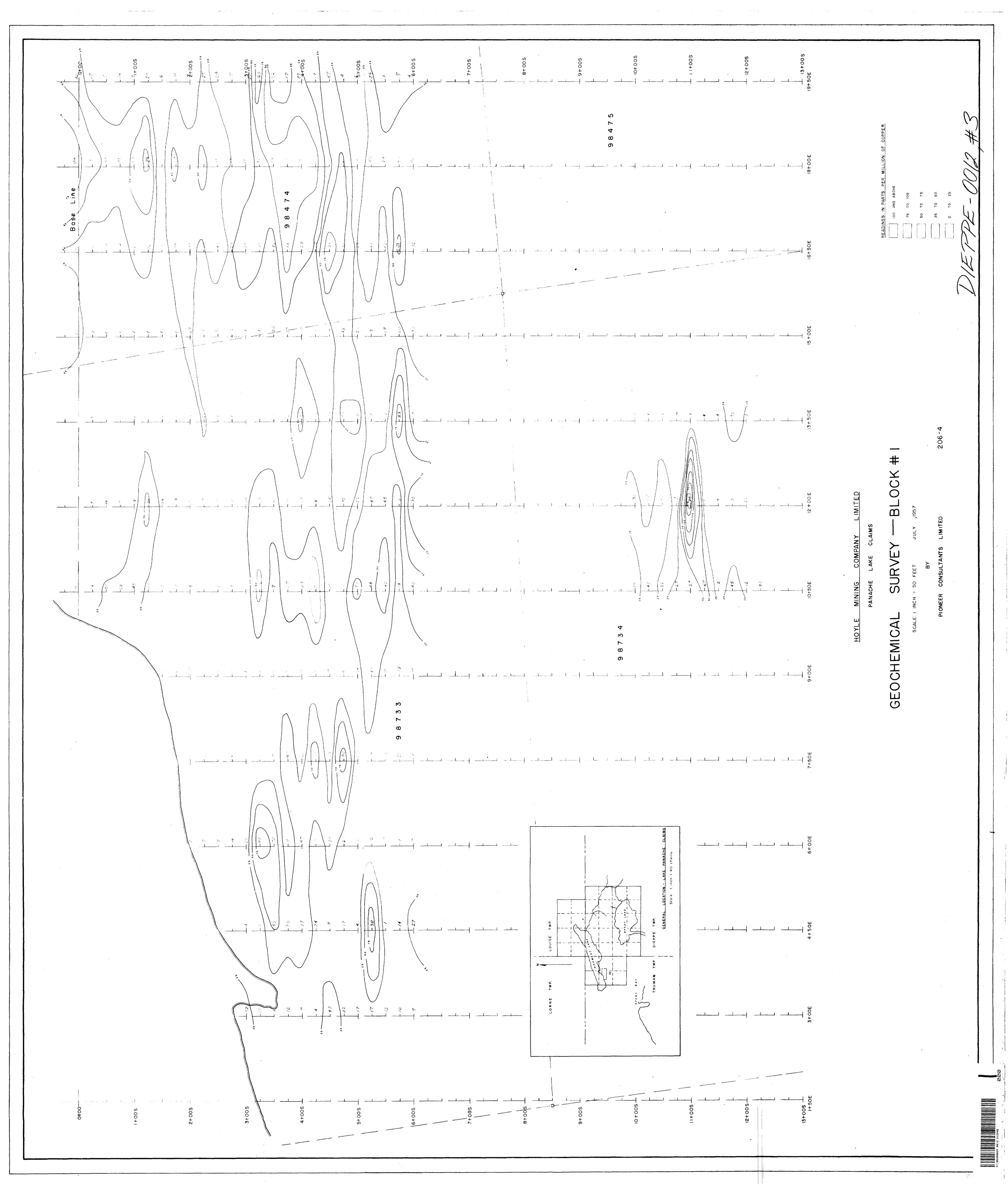


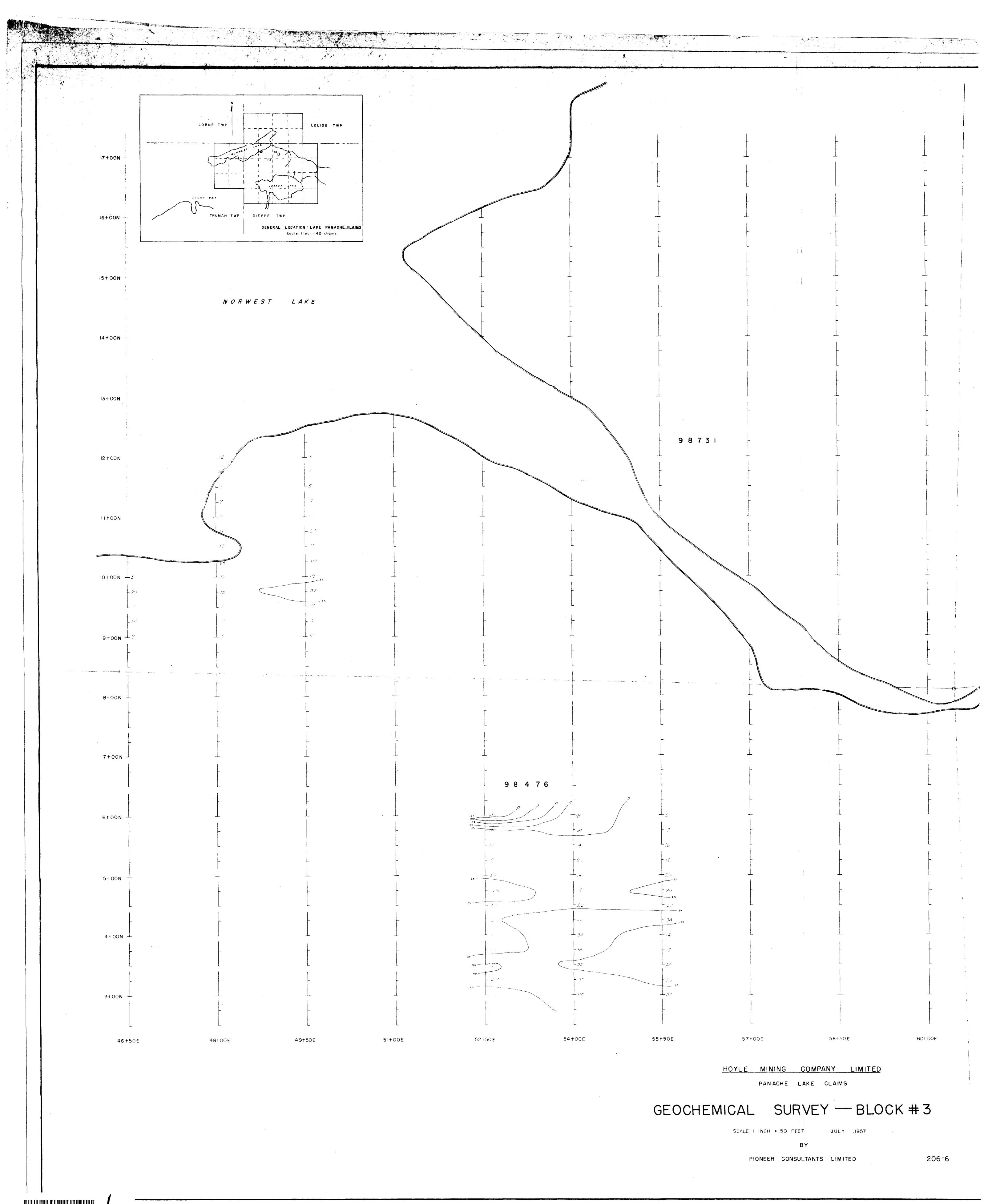


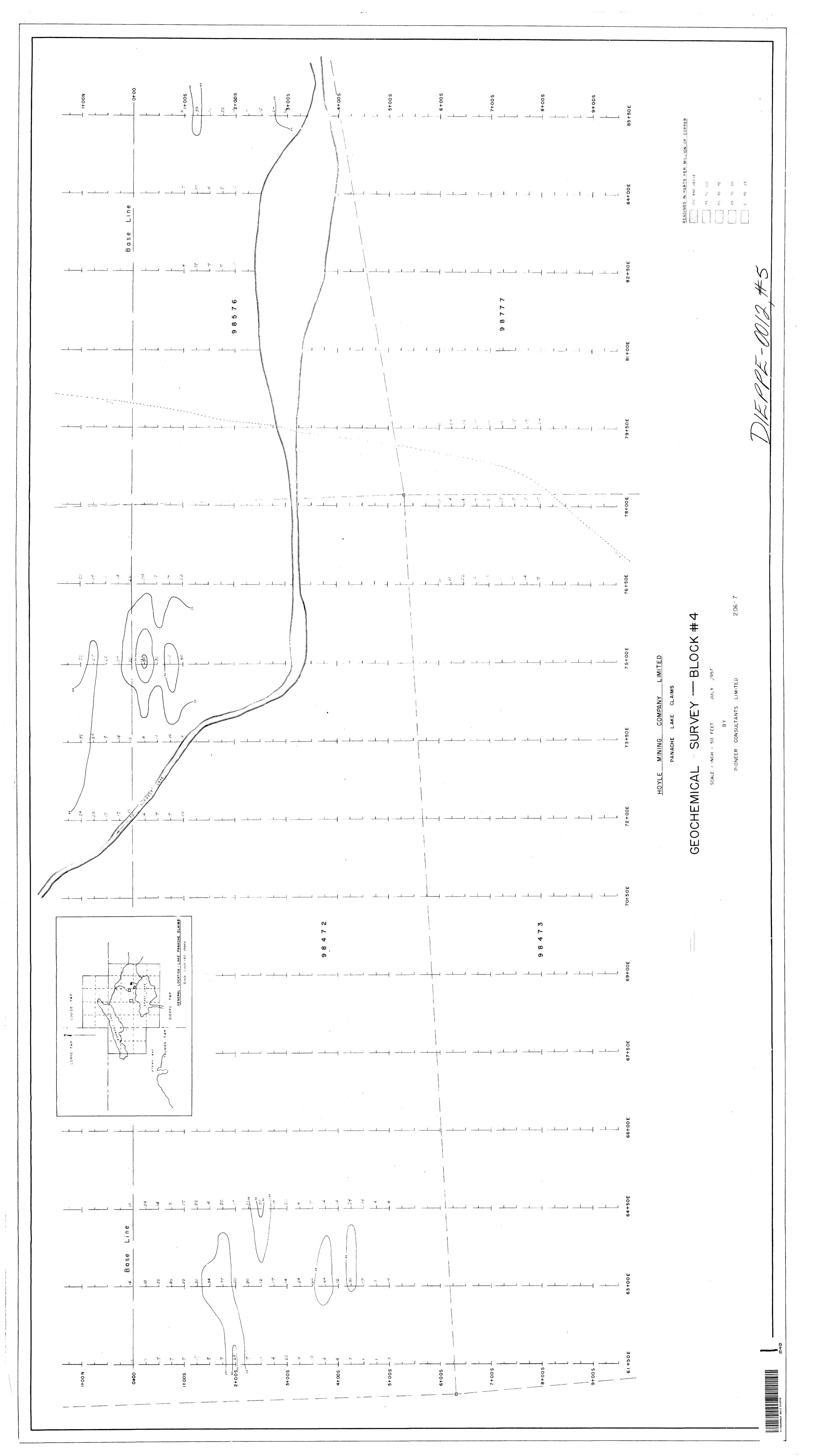


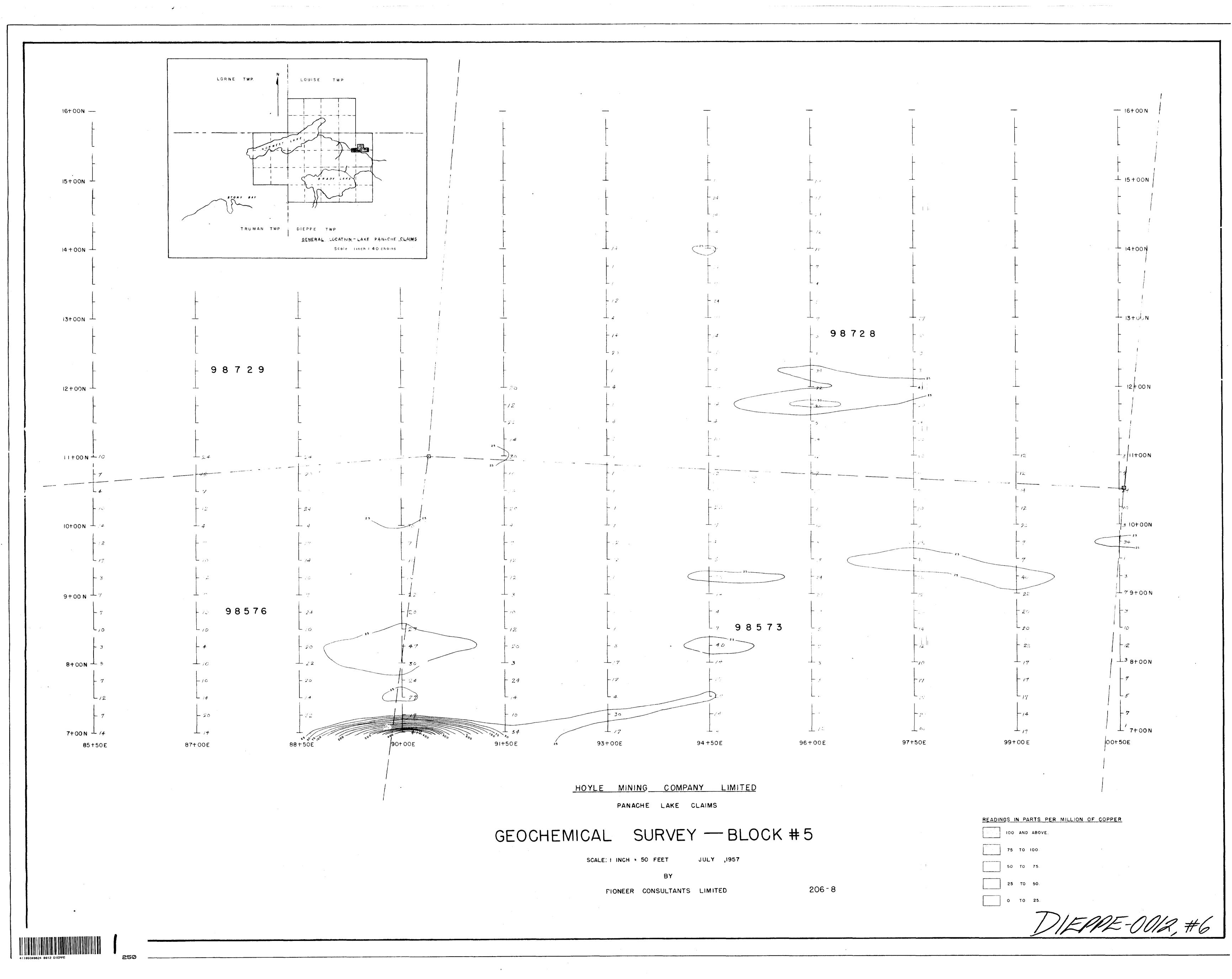


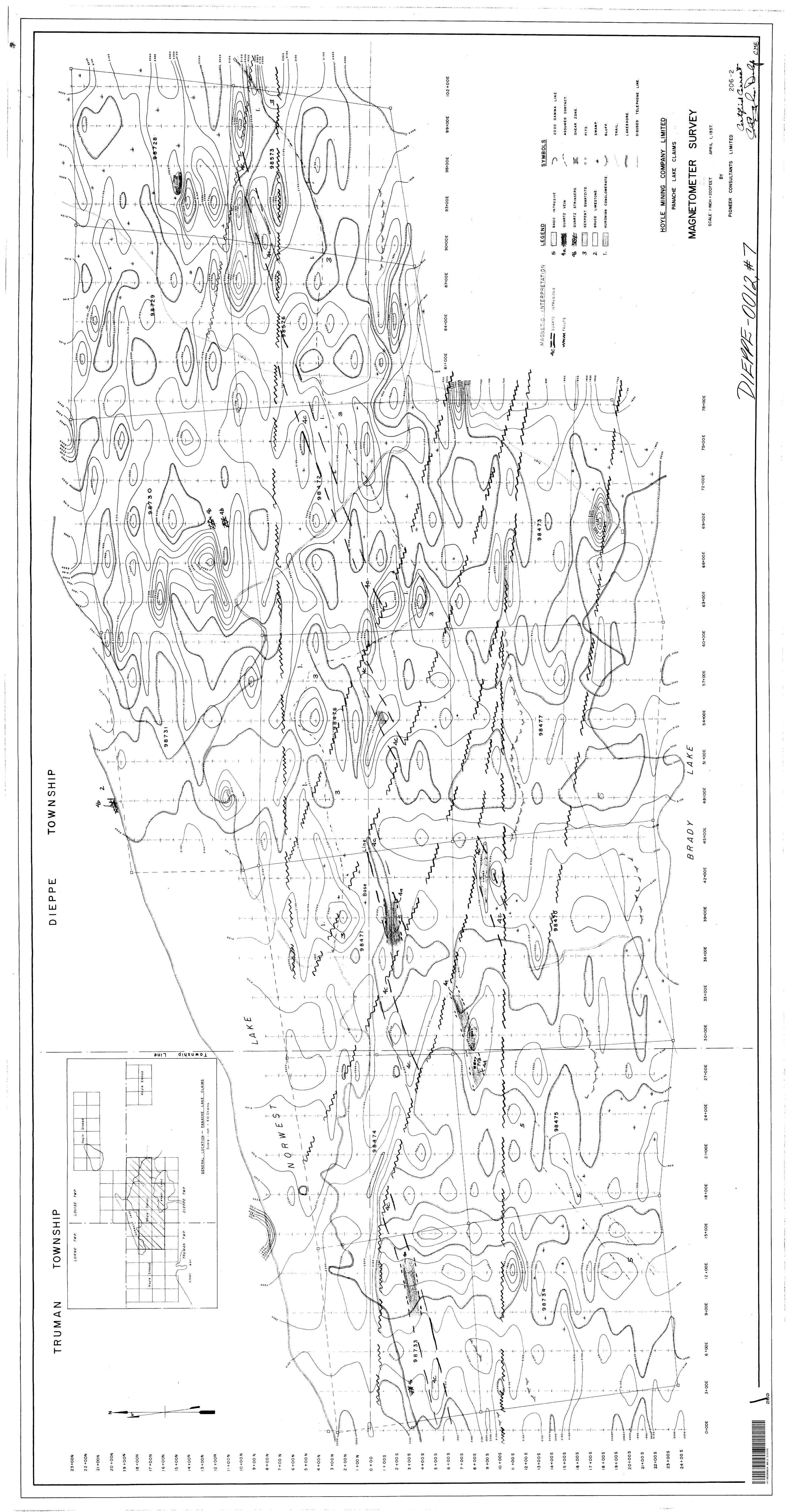


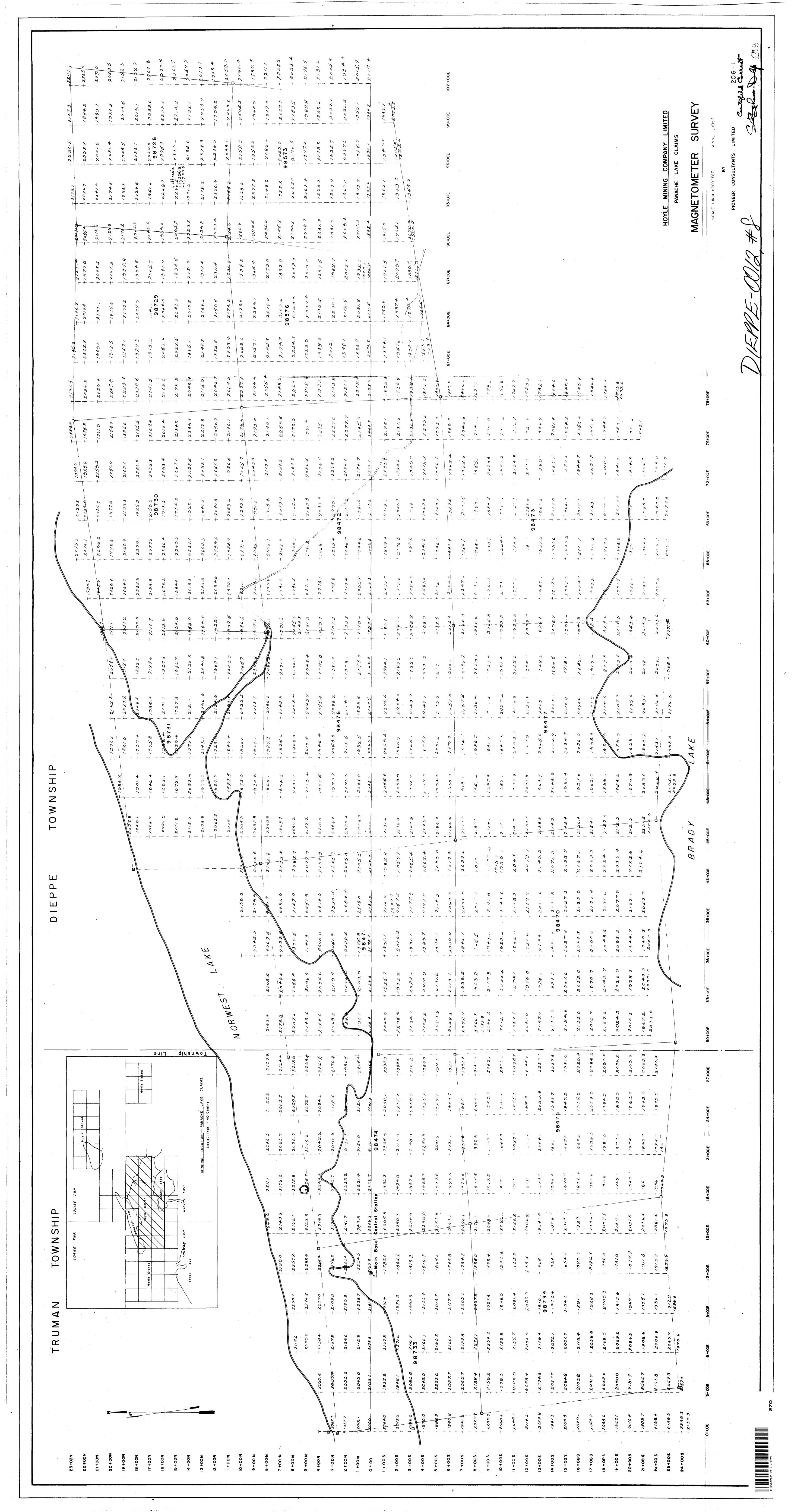












2+00N 1+00 s 2+00S 98476 3+00S (1) 83 -/7 9847T -104+00S - 35 _246+00S - 107+00S - 47 - 248+00S 98470 98477 十209+00S _3010**+0**0\$ 12211+00s 12+00S 48+00E 49+50E 46+50E 43+50 E 45+00E 42+00E 40+50 E 39+00E 36+00E 37+50E 34+50E

HOYLE MINING COMPANY LIMITED PANACHE LAKE CLAIMS

ICAL SURVEY - BLOCK #2

SCALE: | INCH = 50 FEET

206-5

100 AND ABOVE

DIEPPE-0012,#2

