

52F10NW0009 OM91-076 CONTACT BAY

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# SOCIETE MINIERE MIMISKA INC.

Glatz - Kozowy Option

Nabish Lake Property

Contact Bay Area (G-2579)

Kenora District of Northwestern, Ontario

Summary of 1991 Exploration Activities

March, 1991

William C. Yeomans

#### SUMMARY

This report describes the results of preliminary geophysical and diamond drilling campaigns which were completed during January and February of 1991, on the Contact Bay property. This property consists of forty-two (42) claims which are located twenty kilometers south-southwest of the town of Dryden, in northwestern Ontario.

Samples taken from a surface showing, discovered in 1990 by Messrs. A. Glatz and A. Kozowy, assayed up to 6.5% Cu and 3.5% Ni, with significant platinum and palladium values. Line-cutting, ground geophysics and a 2,000 foot diamond drilling program indicated that nickel-copper mineralization on the Contact Bay property is limited in continuity at depth. The small lense of remobilized mineralization on surface appears to be fracturecontrolled, hosted within a quartz-diorite breccia. Significant drill hole intersections included 0.91% Ni with 0.52% Cu over 1.52 m from a depth of 1.40 m to 2.92 m, and 0.62% Ni with 0.39% Cu over 1.28 m from a depth of 5.00 m to 6.28 m in hole CB-91-01. These values were obtained under the main trench. A vertical hole intersected 0.53% Ni over 0.65 m from a depth of 4.12 m to 4.77 m in drill hole CB-91-05. Five other drill holes returned no significant base metal values. It is recommended that the trench area be washed and mapped in detail. Pending results of detailed mapping and prospecting, selected areas could be tested with an I.P. survey.



52F10NW0009 OM91-076 CONTACT BAY

# TABLE OF COMMENT

1.0 PROPERTY LOCATION AND ACCESS ..... 1 2.0 3.0 PREVIOUS WORK ...... 4 REGIONAL GEOLOGY 4.0 5.0 6.0 7.0 RESULTS OF GEOPHYSICS SURVEYS .....12 8.0 8.1 Total Field Magnetic Survey .....12 8.2 Vertical Loop Survey .....14 8.3 Horizontal Loop Survey ......14 8.4 

# List of Figures

Figure 1	Location Map	2
Figure 2	Claim Map	3
Figure 3	Regional Geology	6

# List of Tables

Table 1	1	Table	of Fo	ormations	•••••	• • • • •	 • • • •	• • • •	•• 7	7
Table 2	2	Drill	Hole	Summary			 	• • • •	16	5

#### Appendices

Appendix A	List	of	Claims
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- Appendix B Drill Logs
- Appendix C Grab Samples Trenches 1 and 2

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Page

## 1.0 INTRODUCTION

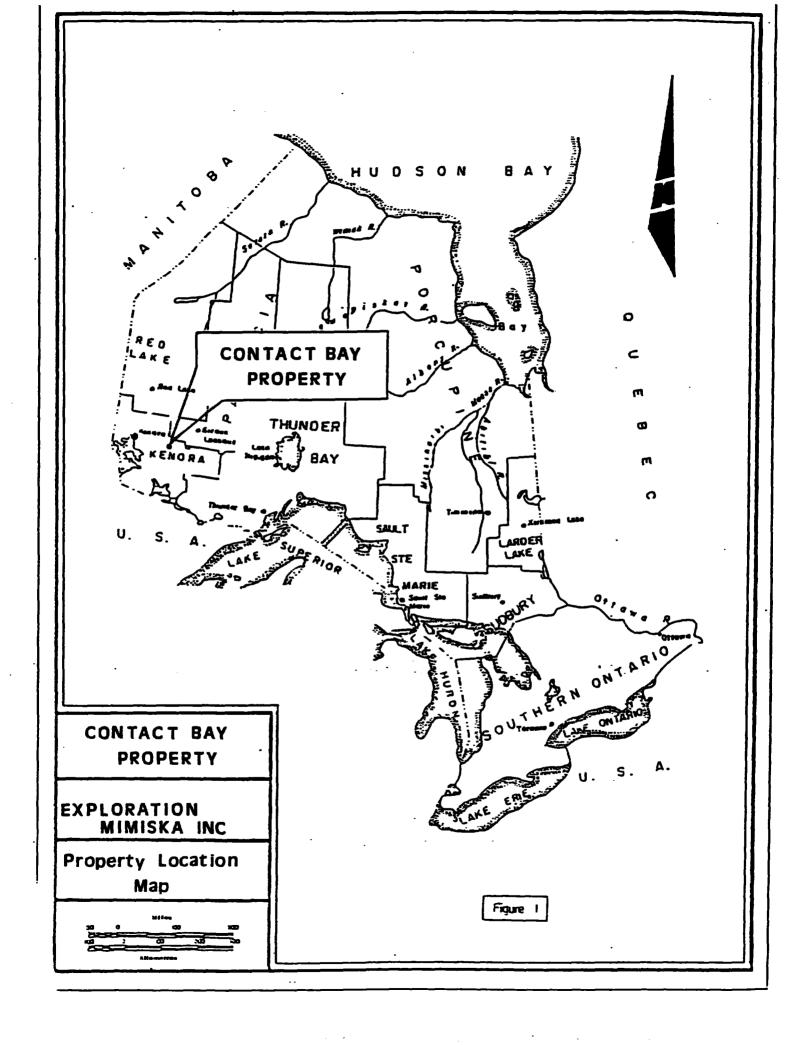
During December of 1990, Messrs. Glatz and Kozowy of Dryden, Ontario, contacted Société Minière Mimiska Inc. in Thunder Bay, Ontario, concerning a nickel-copper discovery near Nabish Lake, located 20 kilometers south-southwest of Dryden, Ontario. Surface sampling and examination of available VLF-EM-16 and magnetic data resulted with Mimiska optioning the ground late in December of 1990. This report describes the results of subsequent geophysics surveys and a two thousand foot drilling program.

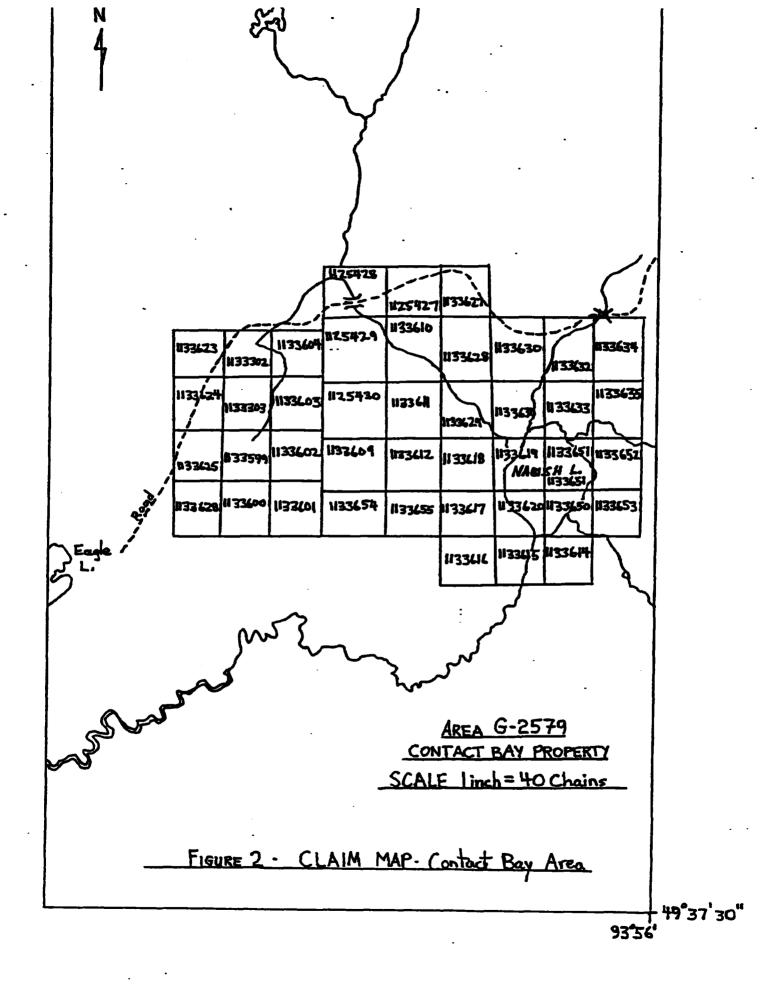
Société Minière Mimiska Inc. can earn a 100% interest in the property by making payments which total \$ 93,000 over four years. A list of claims is presented in Appendix A.

## 2.0 PROPERTY LOCATION AND ACCESS

The Nabish Lake property is accessible by driving 17 km south from Dryden, Ontario, along highway 594 to the Old Century Road. The Old Century road is followed southwest to the Nabish Lake road. The Nabish Lake road is a seasonal access route which is followed west for a distance of six (6) kilometers to the main showing.

Two separate grids were established on the claim block. The western grid has a north-south oriented base line which extends southward from the Nabish Lake road to the southern limit of the property. East-west lines were also established every 100 m. A total of 6 kilometers of line were cut on this grid.





A second grid was completed over Nabish Lake. The base line transected the centre of Nabish Lake at an orientation of N319°E. Cross-lines were established on the ice with a line-spacing of 100 meters. Two tie lines were also cut. A total of 15 km of line was cut on the second grid. A property location map is indicated in Figure 1, while Figure 2 indicates the location of the 42 claim block.

3.0 PREVIOUS WORK

Copper-nickel mineralization in the Dryden area was initially documented by Parsons (1911) at Meridian Bay, located at the south end of Eagle Lake. The Kenbridge Nickel deposit was discovered in 1936. This deposit is situated 24 km, southwest of Muskeg Bay, from Eagle Lake.

Past exploration work by mining companies on the present claim block included Cooper (1962), The Mining Corporation (1968), Hollinger (1969), Lynx (1970) and more recently by Kozowy and Glatz (1989) and Falconbridge (1990). A GSC aeromagnetic map for the Nabish Lake area was initially presented on Map 1154G in 1960. This survey was reflown in 1986 and presented on OGS Map 80971, utilizing the Geoterrex Geotem airborne EM system.

Hollinger (1969) and Lynx (1970) completed ground geophysics surveys and diamond drilling in the vicinity of the main showing. No economic base metal intersections were obtained during these programs. Falconbridge (1990) completed Max-Min and magnetic surveys over the main showing. These surveys did not identify any favourable base metal targets.

Société Minière Mimiska Inc. completed detailed total field magnetic and VLF-EM-16 surveys as well as limited Max-Min and vertical loop programs over the two established grids during February of 1991. These surveys were followed by a 2,000 foot diamond drilling program which tested targets on the two grids.

#### 4.0 REGIONAL GEOLOGY

The Dryden area is situated within the western portion of the Wabigoon Subprovince, and is composed of Archaean volcanic and metasedimentary rocks which have been intruded by granitoid rocks. Some of the granitic intrusions attain batholithic dimensions, causing segmentation of the volcanic and sedimentary rocks into individual belts. The Wabigoon Subprovince is bounded to the north by the English River Subprovince, a gneissic terrain, and to the south by the Quetico Subprovince (Figure 3). Blackburn et al. (1985) developed a tectonic model which basically identifies each of the Subprovinces as being accretionery wedges in an island arc setting.

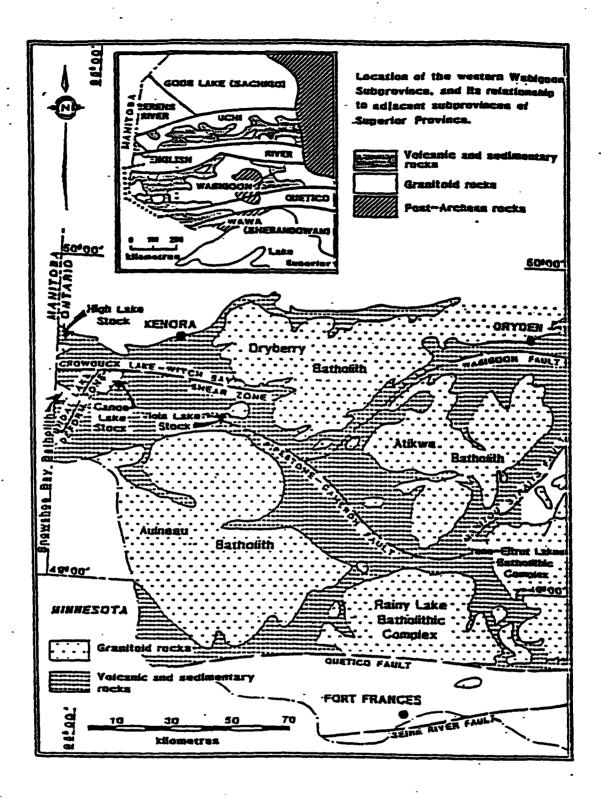


Figure 3. Simplified regional geology of northwestern Ontario (Modified from Blackburn et. al., 1985)

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The margins of the Subprovinces are generally oriented eastwest, and characteristically have major breaks or fault zones developed along them. Within the central portions of these belts, high strain zones occur around margins and between granitic complexes.

The property described in this report occurs within a mafic to ultramafic series of intrusive rocks located proximal to the border of the Atikwa batholith. Other copper-nickel occurences in the region occur in this setting.

The stratigraphic nomenclature for the area was described by Moorehouse (1939). Table 1 is a Table of Formations for the area of interest.

#### TABLE 1 - TABLE OF FORMATIONS (From Moorehouse, 1939)

QUATERNARY Pleistocene:	Varved lake clays, till, sand and gravel.
PRE-CAMBRIAN Keweenawan:	Diabase dikes.
Algoman(?):	Granitic intrusives: Pegmatitic granite; granodiorite, quartz diorite, granite gneiss. Hybrid intrusives: Diorites, amphibolites intrusive into the Keewatin and cut by granite.
<pre>Haileyburian(?):</pre>	Basic intrusives: Norite, diabase, gabbro, anorthosite, and transitional phases; diorite; sheared, chloritized, and silicified equivalents; some granites.
Timiskaming(?):	Sedimentary series: Greywacke and paragneiss with minor amounts of slate and quartzite; iron formation.
Keewatin:	Volcanic complex: Flows of basalt, andesite, dacite and rhyolite and their pyroclastic and altered equivalents; associated porphyry dikes, possibly, in part,

of Algoman age.

## 5.0 PROPERTY GEOLOGY

Société Minière Mimiska Inc. did not map the property, as the ground was optioned in December, 1990. A limited amount of data is available, from drill holes and previous work. The property geology can only be summarized from this data.

The Nabish Lake property contains hybrid diorite and mixed contact phases of amphibolite and other ultramafic rocks which are considered to be Algoman by Moorehouse (1939). These diorites and amphibolites intrude Keewatin intermediate to mafic rocks. The younger Atikwa batholith intruded the mafic to ultramafic rocks and the Keewatin felsic to mafic volcanics.

The ultramafic rocks have a strong aeromagnetic and ground magnetic signature on the claims. Quartz diorite appears to be a border phase to the ultramafic sequence, and this phase is commonly brecciated. The breccia contains angular fragments of Keewatin felsic rocks. The ultramafic rocks have been mapped as gabbro by Cooper (1962). Gabbro was observed with amphibolite and talcchlorite schists during the 1991 drilling campaign. Several of these rock types are highly magnetic, with up to 5% magnetite.

Within the vicinity of the main showing, drilling by Hollinger (1969) and Lynx (1970) intersected amphibolite and feldspar porphyry dikes along with quartz diorite breccia. The zones of brecciation are widespread immediately west of the ultramafic sequence. Brecciation may be structurally controlled. Coppernickel mineralization appears to be spatially associated with the quartz diorite breccia. Drill hole results by Hollinger and Lynx returned uneconomic values.

The main Glatz-Kozowy trench is located at L7+10S, 15 m east of Base Line 0+00, and is known as Trench 1. It is oriented approximately N025°E and is 5.5 m in length. The second trench is located 4 m north of the northern limit of Trench 1. This trench terminates along line 7+00S, 15.5 m east of Base Line 0+00. The total length of Trench 2 is 7 m, and it is oriented north-south. Outcrops of rusted diorite and quartz diorite breccia are present between Trenches 1 and 2 and Base Line 0+00.

Spectacular pyrrhotite-chalcopyrite mineralization is present at Trench 1. Up to 25% chalcopyrite and 60% pyrrhotite was observed and sampled. The sulfides appear to be remobilized. The host diorite may have been totally replaces. Semi-massive sulfide containing blue quartz eyes and altered chloritic wallrock was observed in Trench 1. It was not possible to obtain any detailed structural data due to the amount of snow and blast debris which filled the trench. The width of the zone appears to be 1.0 m to 1.5 m, and strikes roughly N025°E. The mineralization occurs as a small lense with limited strike potential. A 1:5000 scale compilation map for the property indicates the location of previous drilling, geophysical anomalies and geology (Back Pocket). The trenches are indicated on a 1:500 scale map. Complete rock descriptions for areas drilled are available in the drill logs (Appendix B).

### 6.0 STRUCTURAL GEOLOGY

The regional schistosity is variable within the Nabish Lake mafic to ultramafic complex, ranging from a northwest to northeast direction. Major fault zones trend NO25°E and N325°E. These sharply defined lineaments are recognizable on regional maps and air photos.

The NO25°E lineaments may have been responsible for an event which allowed the emplacement of quartz diorite breccia and the remobilization of base metals. A large scale lineament oriented NO25°E is situated 40 m east of the main showing. The proximity of this structure to mineralization suggests that it may have been a controlling factor during the mineralizing event. Most of the small showings and sporadic geophysical anomalies are oriented parallel to this feature. Mapping and prospecting would be required to ascertain the importance of this lineament. Drilling indicated that some of these fault structures contain hydrous mineral assemblages and fault gouge with elevated nickel and palladium values (CB-91-06).

#### 7.0 ECONOMIC GEOLOGY

Copper-nickel values are plotted on the detailed map of the main showing. Grab samples returned up to 6.5% Cu and 3.5% Ni. Platinum and palladium values ranged up to 280 ppb. Drill hole results proved that these high values do not continue for any significant depth. Drill hole CB-91-01 intersected 0.91% Ni with 0.52% Cu over 1.52 m from a depth of 1.40 m to 2.92 m, and 0.62% Ni with 0.39% Cu over 1.28 m from a depth of 5.00 m to 6.28 m. These values were intersected at a shallow depth directly under Trench 1. Drill hole CB-91-05 was drilled vertically in Trench 1 to test the mineralization at depth. Weak mineralization was obtained at the top of the hole, including 0.53% Ni over 0.65 m from a depth of 4.12 m to 4.77 m. It was noted that hydrous alteration within the breccia had taken place, as chloritic rims around fragments appeared to be biotitized.

Biotitized fault zones containing elevated Ni and Pd values were intersected within the ultramafic complex near the northern limit of Nabish Lake. These magnetite rich sections contain up to 1,140 ppm Ni and 140 ppb Pd. Drill holes CB-91-02, 03 and 04 did not obtain any significant values. The drill hole results from the 1991 program indicated the limited potential of the main zone. However other geophysically defined targets on the property remain untested. Sample descriptions and assay values from the main showing are presented in Appendix C.

#### 8.0 RESULTS OF GEOPHYSICS SURVEYS

# 8.1 TOTAL FIELD MAGNETIC SURVEY

During the fall of 1990, Mr. A. Glatz completed a total field magnetic survey utilizing a Scintrex MP-2 Proton procession magnetometer over claims K1133302 and K1133303, on the western grid.

The main showing corresponds to a magnetic low with an adjacent magnetic high. The magnetic high is caused by pyrrhotite mineralization. The magnetic high values drop off substantially to the north and south of Line 7+00S, indicating the limited strike length potential of the main showing.

During January and February of 1991, Mr. A. Glatz completed a magnetic survey over east-west lines south of the showing and over the Nabish Lake grid. No significant magnetic anomalies were identified on the western grid south of the main showing (Map 3, Back Pocket).

The Nabish Lake survey (Map 3) identified a magnetite rich unit that trends approximatively N330°E, parallel with the base line. Drilling indicated that the high magnetic values were caused by disseminated magnetite. Several N025°E fault zones cross-cut this unit, causing a segmented appearance as a result of magnetite destruction within biotitized shears. One isolated magnetic high occurs near the southwest corner of Nabish Lake. The cause of the high magnetism is suspected to be magnetite mineralization. The magnetometer survey proved to be the most useful tool for outlining areas of potential Cu-Ni mineralization on the property.

# 8.2 VLF-EM-16 SURVEY

During the fall of 1990, Mr. A. Glatz completed a VLF-EM-16 survey (NSS Annapolis, Maryland) over claims K1133302 and K1133303 on the western grid. Conductors A. B. C and D were identified, with Conductor A corresponding to the main showing. Conductors A and B were drilled and returned negligible results. Conductor A is caused by sporadic mineralization, while Conductor B is suspected to be caused by an overburden response. Conductors C and D do not have an associated magnetic anomaly, suggesting that pyrrhotite is absent. It was noted during the drilling campaign that the distance between pickets on the Glatz-Kozowy grid was poorly rechained. It appears that the grid was originally picketed on 25 meter stations. Messrs. Glatz and Kozowy relabelled the 25 meter stations as 100 foot stations, introducing an error of 5.48 m between each consecutive station. The plotted data by Glatz is suspected to be innaccurate.

This problem did not occur on Mimiska's winter grid, cut south of claims K1133302 and K1133303, or on the Nabish Lake grid. A. Glatz was hired to complete VLF-EM-16 surveys during February, 1991. No significant VLF-EM-16 responses were

identified. Weak VLF-EM-16 responses on the grids are considered to be caused by lake bottom clays or topographic effects. Approximately 25 m of clay and muddy glacial outwash filled the Nabish Lake basin. The Annapolis NSS Maryland transmitter station was used for this survey. The VLF-EM-16 survey did not prove to be a useful exploration tool on the Nabish Lake grid.

#### 8.3 VERTICAL LOOP SURVEY

The vertical loop survey was conducted over several lines on the Nabish Lake grid. The frequency utilized was 930 Hz and the instrument model was an Inco Mark IV unit. The survey was completed in late January by D. Macheachern. The vertical loop data is presented at a scale of 1:2500 (back pocket). The profiles indicate that weak cross-overs exist under the lake. Several of the anomalies may be related to geological contacts between magnetic and nonmagnetic rock types.

# 8.4 HORIZONTAL LOOP SURVEY

A limited amount of H.E.M., utilizing an Apex instrument and three frequencies (444 Hz, 1777 Hz and 3555 Hz) with a 400' cable was completed on the Nabish Lake grid. The results were generally flat, with a weak anomaly at 1+75E on line 8+00N. The in-phase responded with positive values over magnetite-rich rock near BLO on line 8+00N. This data is presented on Map 4, located in the back pocket of this report.

#### 9.0 SUMMARY OF DIAMOND DRILLING

Seven diamond drill holes, totalling 609.6 m were completed during a preliminary campaign in February, 1991. Individual drill logs are presented in Appendix B. All of the drill holes are plotted on 1:5000 scale maps, and drill sections are plotted at a scale of 1:500. These are located in the back pocket. Significant values intersected in drill holes CB-91-01 and CB-91-05 were discussed in the Economic Geology chapter. Drill holes CB-91-02, 03, 04, 06 and 07 did not return any significant values. A Summary Table of important information concerning each drill hole is presented in Table 2. TABLE 2 - DRILL HOLE SUMMARY

No significant values No significant values 140 ppb Pd over 0.67m No significant values 1140 ppb Ni over 1.52m from 65.83m to 67.35m Cu over 1.52m from a depth of 1.40m to 2.92m Cu over 1.28m from a 0.538 N1 with 0.578 0.62% N1 with 0.39% 0.91% N1 with 0.52% Cu over 0.65m from from a depth of 113.93m to 114.60m depth of 5.00m to 6.28m 4.12m to 4.77m RESULTS Western Grid Trench 1 Western Grid Western Grid **B-Conductor** Western Grid Trench 1 Western Grid Nabish Lake Nabish Lake **OBJECTIVES** Trench 1 Trench 1 Grid Grid 135.94m LENGTH 59.74m 91.44m 93.26m 75.29m 89.92m 60.96m (E) DIP -55--52. -50. -45. -45. -45. Vertical | -90. AZIMUTH M.OCON N282 • B N054 • B N054 . E N030 • E 3.560N COORDINATES L7+11.5S 0+15.9E L7+33.0S 0+3.5E L7+16S 0+38.2E L7+17.58 0+12.4E (metric) L7+00S 117.96E L8+00N BLO L8+00N 1+25E DRILL HOLE CB-91-06 CB-91-05 CB-91-02 CB-91-03 CB-91-04 CB-91-07 CB-91-01

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# 10.0 CONCLUSIONS AND RECOMMENDATIONS

The main showing on the Nabish Lake property is a remobilized lense of copper-nickel mineralization which does not have continuity at depth. The mineralization appears to be fracture controlled and hosted within quartz diorite breccia. Subeconomic values were obtained from the drilling campaign.

It is recommended that the main showing be completely stripped, washed, and mapped in detail. Additional mapping and prospecting could be carried out over areas of potential interest. If no significant showings or encouragement were obtained from this small program, the property should be abandoned.

#### **11.0 REFERENCES**

- Airborne Electromagnetic Survey, 1987. Dryden Area, District of Kenora, Map 80971. Scale 1:20,000.
- Cooper, G., 1962. Report on Nabish Lake Claims, File F/10 NW V-6, #2331. 5 p + maps.
- Davies, J.C. and Watowich, S.N., 1956. Geology of the Populous Lake Area. O.D.M. Report, Volume LXV, Part 4, 24 p + maps.
- Falconbridge, 1990. Max-Min Survey + Report of Sampling by S. Eriks. Unpublished report.
- Glatz, A., 1990. Magnetic and VLF-EM Survey of Mining Claims K1133302 and K1133303. Unpublished OPAP Report.
- Hollinger Mines Limited, 1969. Combined Ground Electromagnetic and Geomagnetic Survey, Kozowy Option Contact Bay Area, Dryden, Ontario. 8 p. + maps.
- Moorehouse, W.W., 1939. Geology of the Eagle Lake Area. ODM Report, Volume XLVIII' Part IV. 31 p. + maps.
- Satterly, J., 1941. Geology of the Dryden Wabigoon Area. ODM Report, Volume L, Part II. 67 p + maps.
- The Mining Corporation, 1968. Magnetic and VLF-EM-16 Surveys on Nabish Lake. 2 maps. File F/10 NW.

# APPENDIX A - CLAIM LIST

K1133302	<b>K1133623</b>	<b>K1133699</b>
<b>K1133303</b>	<b>K1133624</b>	<b>K1133600</b>
K1133609	K1133625	K1133601
<b>K1133610</b>	K1133626	K1133602
<b>K1133611</b>	<b>K1133627</b>	K1133603
<b>K1133612</b>	K1133628	K1133604
	K1133629	
K1125427	<b>K1133630</b>	K1133614
K1125428	<b>K1133631</b>	<b>K1133615</b>
K1125429	K1133632	K1133616
K1125430	K1133633	K1133617
	K1133634	K1133618
K1133650	<b>K1133635</b>	K1133619
K1133651		K1133620
K1133652		
K1133653		

K1133654 K1133655

# APPENDIX C - TRENCH GRAB SAMPLES

SAMPLE NO.	LOCATION	DESCRIPTION	N1 8	Cu ¥	Pt ppb	Au ppb
29951	Small pit near BLO Line 7S within N345°E shear P	Sheared Qtz diortie 1-2% cpy 1-2% pyrrhotite rusty, difficult to es- timate sulphide content	.17	0.16	100	185
29952	North 25' from 29951-East 5' at 2nd pit	Fresher looking, hydrid- breccia diorite with pyxenite xtls magnetite due to 4-5% po 4-5% cpy Evidence of breccia frag- ments Sulfides as larger ragged clots up to 1.5 cm, angu- lar Pendlandite-po as exsolu- tion feature Fragment of felsic dike origin possible	.31	0.39	80	190
29953	South and of trenched area Trench 1	High grade po-pentlandite ore in qtz diorite with 5% qtz eyes 15-20% pyrrhotite 1-2% cpy-pentlandite ex- solved difficult to see Highly magnetitic	1.3	0.09	20	160
29954	North end of trenched area Trench 1	Heavy cpy mineralization at opposite end of trench 20-25% cpy as thick coarse bands and angular shape Appears to be a sheared Pyroxenitic phase ass'd with mineralization Possible fragment of felsic material. No visi- ble qtz eyes. Contact somewhere under snow-cover	.11	6.50	70	150
29955	West of 29954 lense of out- crop sulfide	7-10% cpy-heavily rusted Sheared qtz diorite sericitized, silicified shearing NNW 350°	.02	1.90	270	280

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# APPENDIX C - TRENCH GRAB SAMPLES - Cont'd

SAMPLE NO.	LOCATION	DESCRIPTION	ni ¥	Cu %	Pt ppb	Au ppb
29956	East side of intrusive complex	Mineralized peridotite NW shear 5-6% cpy 10% po	.06	1.18	20	<b>100</b>

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								T
INCLINAISON	1	45 *	TESTS D'INCLINAISON HEAD - 4	450				-
			6m -	40°				
LONGUEUR		mh416 ,						
		100 A				Geologist : Bill Ycom	Come 15	
3 E	<b>₹</b> €	10	DESCRIPTION			LONGUEUR		
8,0	4.27	Overburden						<u> </u>
4.27	1 30.78	Dorite Breccia						<u> </u>
	•	· Fire or	massive to weakly	schistese				
		maneli					_	
		must of	Felsic volcanics					
	-	int	sic volcante Sequence.					
		of slamificant	<u>e</u> .					
		2						
30.78	37.03	Feldran Ponshury Dife.						
		26 - Teldon	alimotrysts up to Jum long, anhedra	hidred				[]
		manific		-				<b></b>
		- Fire grained, dark gren	areuchian					· 
		randow quest	2					<b></b>
		UPULE 3	$\sim$					<b></b>
		0						<b>_</b>
		• • •						

PROJEF:	Contact	F Bay TROUN: CB-91-03 GROUPE MINIER ARIEL							2	N	
ع بح	<b>₹</b>	DESCRIPTION	ECHANTILLON	کی ہ	1	LONGUEUR	Cu Ppm	Ni M	He is	Au 3/tonne	
37.03	17	Sheared Harnhlonde Diorite	33/30	37.40	38.40	1.00	79	. /9	1	111	
		d minor a									Ţ
			-								·
		5									
·	•								_		
41:05	79.25	Interralated Hornhlende Biorite With Mafic Volcanics/isacalt)									
		- Honn blende diorite Fire orained mossing frees				_	-				
		1 sionif	33131	47.55	48.40	0.05	37.	21	-	0.01	
						•					
		of Sionifi									
•		r between two r									
		-generally, harablende phensiversts dirtinguish 2 verts									
		-									
		~ ~ ~									
79.25	91.44	- Herricenser Diorite Breceia									•
		- Framments of felsic reliance racks another up to 3cm								-	
	•	2) shear some From 79									
			33132	79.25	80.25	001	17	67	-	ni/	
	•										
1		EO.H. 91.44m									
			•								
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COLLET	LIGNE	58.7172 1	JOURNAL DE FORAGE	FORAGE		P.R.C.	PROJET:			TROU Nº:	Ķ.	Γ
				Sociátá d'axnloration:	ration.			CONTACT	BAY	C B	CB-91-04	4
	ORDONNÉE:	= C0+38E=										
				MIMISKA INC								
NTS				COMMENCE: Feb 16	16 190							
AZIMUTH		N.282°E	SONDEUSE: MORISSETTE TE	termine: Feld 19	06/							
	ļ					_						T
INCLINAISON		-45°	TESTS D'INCLINAISON LLEOR -45-									Τ
-	· 4		- W	42.5							-	
LONGUEUR		93,26 m			•							
						2	Geologist:	st: Bi	11 7.0	oma h	S	
3E	(₩). ¥	-	DESCRIPTION	ECHANTILLON	) M	<b>√</b> ⊌	LONGUEUR		Ni F Dom Di	l'al pa	ot ob	
0 00	3.05	Merburden - Bo	Boulders . sandy soil						F	F		
3.05	35.04	Fe - Tholeittic Basad	. 1,	33133	14.8	9.08	5,0	1	7 8/	75		
	-	-tru sirained, dark anen	in massive	•								Τ
		te with up to		33134	15.94	17.06	1.12		17	15		
		- mhor namow guartz	veras with Stapy				ľ					
		core all's a	+ 45 to 85° as follows:	33135	17.50	18.29	0.79		20 1	<u>ب</u> ح		-
		- 8.65 -	av with 2% as at 45° to e.A									
		1	1 with the so at 85° to a.A	33136	28.64	27.26	0.62	-	/ 7	<i>د</i> ح		
		-14.74 - 17.79 - dv	LITL SX								_	
		-28.89 - 28.91 - 6v	with \$ % he at 80%									
		- there are minor some	of po minerellization up to									
		wick adjacent to	the									
					••							
			•							-		

PROJET	CONTA	TACT B4y TROUNS 8-91-04 GROUPE MINIER ARIEL						2.Br.	Μ	<b></b>
ĭ. €	<b>*</b>	DESCRIPTION	ECHANTILLON	J DE	<u>م</u> آ	LONGUEUR				<b></b>
35.04	41.36	Ar Brohver Dile								·, ·
		Fin arained , dar men	1 1 1 1							j
		a wanty veins								
•.		- War contact Tragged; laws which at 22. berg.								
	·	A ralishin							_	r
									_	
41,36	42,82									
		- barren of sulfide minerlization								r
										ŋ
42.82	47,84	Hubrid Banalt / Hornblende Dizerte								<b> </b> -
	[									<b></b>
										<b></b>
		I fire around manifile bearing healts have residen								
	•	definal 1								T
		- lower water of the to c.A.	_				-			
		-£					-			•
		de	•							
		- harren of stanificant suffide miniralization								
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•				•						<b></b>
<b>钟</b> 7.84	54.40	Quartz Diorite Breccia								
•		Felsic Frage			•					
		black chlodific overnetat								
		na defined				-				
		دالاط								_
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	CONTACT	BAY TROU Nº: C &_9/-04 GROUPE MINIER ARIEL							Ř	M
۳ ۳	(m)	DESCRIPTION	ECHANTILLON	DE (m)	¶ ¥¥		Cu p	Ni 1 Dem A	Pal pol	bt
C4.40	15:97	rde Diorite					2		2	
		a massive time to medic arrained , non-me and The			1			$\frac{1}{1}$	╋	
	•									
65,97.	87,20	Quartz Discite Breccia								
		annular	33137	78.02	78.73	0.71 -	-	87 23	5	
			33138			0.82 -	- 3	77 6	- 2 -	
		- aroundmass chloritic biblite well de veloued	33139				2 -		- 57	
		tistion de	33140			0.82 -	40	83 2	5	
		Fallous:								
	•	) -								
		- 78.02 - 30° h 35° Lo								
		~ 84,02 - 35° to 40°						-	_	
		. 87.10 - 50° 4. 55°								
87,20	91.56	Folsie Dite:								-
		- Fildmathic groundmade, white to arow in colour								
	:	hen-ma					_	_		
		rally absent accept								
		of needled up to Imm in length								
		- Feldman chenorust answer to be anhedral -								
		ts in dove a ance								
		kite described contrer most and la								
		lat stue andes 111					_			
9156	93,26	when Diorite 1								
		aritu t								

COLLET	, LIGNE:	7+11.BS	JOURNAL DE FORA	DE FORAGE			PROJET:				TROU Nº:	é.	
-				Société d'e	d'exploration:	:00		CON	CONTACT (	(CA)	C8-91	50-16-	
	<b>ORDONNÉE:</b>	le: 0+15.9 E											
				MIMISKA IA	INC.								
NTS			dimension carotte: $\mathcal{R}_{\mathbf{O}}$	COMMENCÉ:					•				
													4.
AZIMUTH		vertical	SONDEUSE: MORISSETTE	TERMINĖ:									Ī
•						I			•				
INCLINAISON		90°	TESTS D'INCLINAISON LLE a. 0/ 90°										
•	•		75.29m 89°	4 6			_						
LONGUEUR		75,29 m	ł										
			-				5	Seo logist	2 / 48 2 / 48	8111	V-ema	2a 115	
BE			DESCRIPTION	ÉCHAN			<u>م</u>	L E	Ni A			pt ht	
					_			╉	╀		╌╂╴		
O	1.52	Duerburden		33141	+		-	+		35			
				33/42	-		3.05 6	0,40 2	2150 6.	65 -		_	Τ
152	14.72	Healdy minimalized zone	re i	33/43		1	3.66 (	0.61	117 45		-	_	
		1 Showed Guartz Diorite		33/44		3, 66 4	4.12 0		936 2	- 57	-		Τ
		ated averholite	chalcoprite as blobs and st	Hringers 33145		4.12 4	4.77 0	0.65 5	5320 2	215 57	5740 2	200	
		- maximum length of con	ineralization for	<b>`</b>			5,18 0	0.41 1	173 15	1			
		3.96m to 4.22m		33/	3147 5.18	9		1001	112   25	۱ د	,	_	
		- sullider oriun as bleas and	stringers oriented	ŝ	148 6.	18 6	,85 (	6.67	63 25	r I			
		to ase the the correction	>								_		-
		۲	contrina ava of Sol BO.	1-2%			_						Τ
			0										
		-shlaring in diorite defined	by clloritic bands and min	miner									
	•	I biotite Looms Driented at	P. C.A.	33/	49 15.	15,66 16	16.34 0	0.68	2 7	- 57	)		
				• • •	62								
4.72	34.84	Hybrid Hornblende Diorite	/ Fe - Rich Baselt										
•		- hyciated locally lin-situ								-	-		
	•	I - abundant quart-cle-	- chi seame near irrequer	tractures						_			

-ROJET:	CONTACT BAY	C BAY TROUNS B-91-05 GROUPE MINIER ARIEL							2	ы М	
ی کے	×.5	NoITI	ÉCHANTILLON	) M DE	¥,¥	LONGUEUR	Nč Pom	Cu	pt beb	pa/	
4.72	24.84	2						11	11	//	
		0 6:67-6.70 - ov oriented at 1 30. to c.1									
		•									
		- dtr - ch stringers									
		6.23 -									
•		ulas aviales to cial.	-	·							
		15.80-15.84 - mineralized atz-chuein 17 5% 00									
		1. Sm. orkited at 50.4 65.40 c.d									
-											
24.84	28,35	Feldooar Perphyry Dike									
		- upper contacts Icreaular									
	·										
28.35	43.28	Hybrid homblende diarite / Fe-rich basalt				•					
		- Fri ardined dark onen				·		_			
		- leadly wash the with 2-3 & File crained diseminated magnetite									
1	·		3150	45.48	4.20	0,72	94 -		·	<i>z5</i>	
43.28	PL.25	Quests Diorite Breccia	ŝ								1
		- Breede contai									
•		, 20 cm in Chath. Frankents annear particlly assimi	lated.								
		I related blabs of chalcopurit / nurchalite up to	33151	71.55	72.24	0.69	32	1	١	45	
•. >		wry'rare 'throwall									
T. S.		ized section, rue narrow atz-ch									

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<sup>121</sup> -castinguality. Falser free free free free free free free f	1		ÉCHANTILLON	Ä	. ~	LONGUEUR	 		
	5	- acassionally the felcic Fragments contain tr-16							
		E.W. 75.29 h					 		
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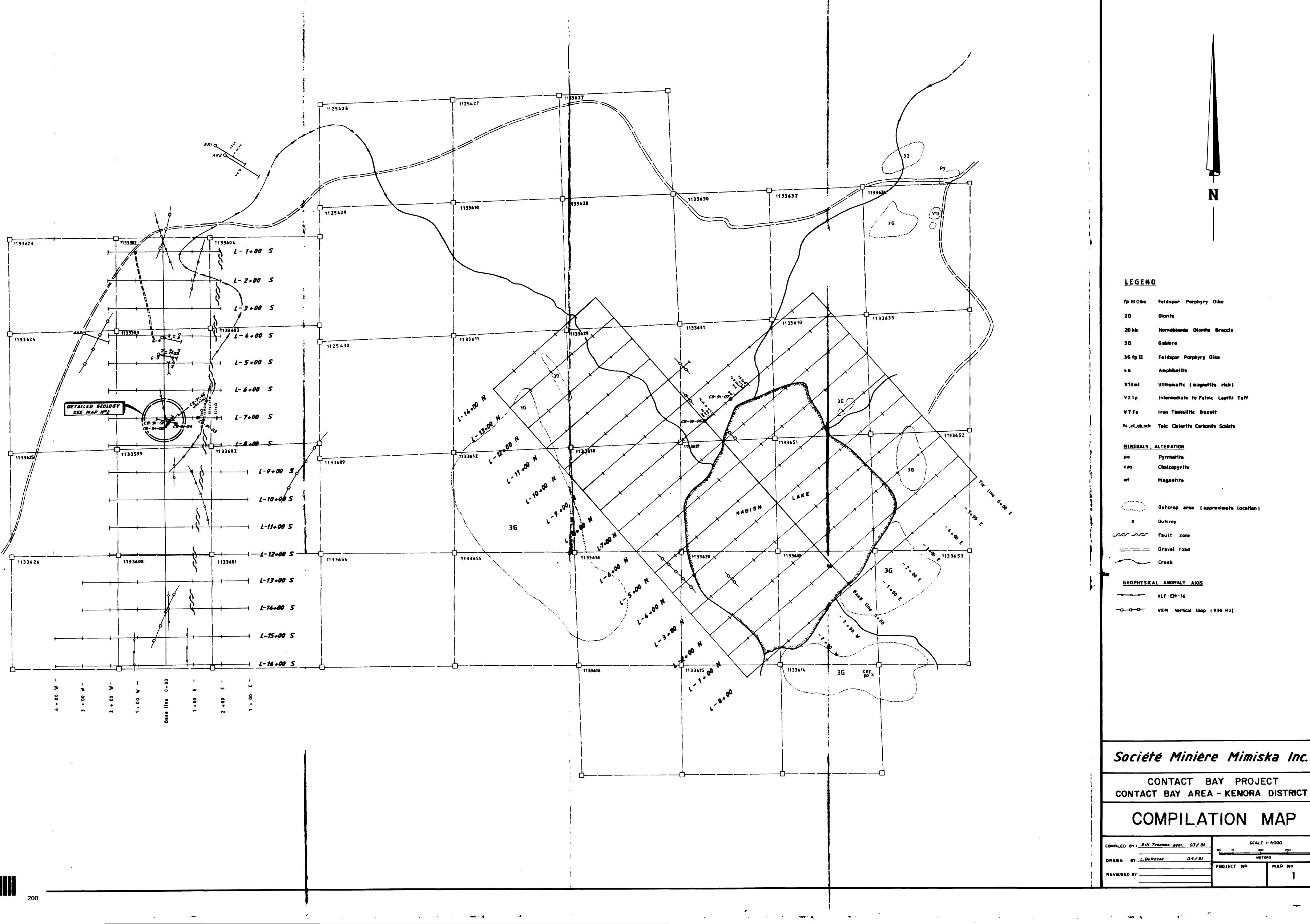
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	101	- 1				<u> </u>		DAL		6
	•			Société d'exploration:	oration:		L ONTAC 1		- 16-91	6 6
	ORDONNÉE:	810					-		-	
				MIMISKA INC.		L				
NTS			dimension carotte: $B_{0}$	COMMENCE:						
		-	and the second							
AZIMUTH	N	54°E	SONDEUSE: MORISSETTE	TERMINĖ:						
INCLINAISON		-55	TESTS D'INCLINAISON	55°						
•				52						
LONGUEUR	r. Part	89,92 m	,	52.0						
	÷						500/00/07	Bill Y.	Lome n'	
ĭ €	A M	Ĩ	DESCRIPTION	ÉCHANTILLON Nº	3	◄	LONGUEUR	<b>≥</b>		
0	35.35	Overbunden - Mud and	d Clay							
			D							
35.35	174 J	Amahikolite			•					
		- dark areen							_	
		- Fine to med available ,	Massive						_	
		hametil - 5%	minated manif	ti <b>te</b>						
		n of sulfides		-						
		section from	42.00 to 45.42 is she	shared .						
		pred								
45,42	47.24	Matic Feldson Porchuru	ry Dike							
Ż		3	$\sim$							
		<u> </u>	r nhunctuots up to 2mm							
	- <b>-</b>	<i>s</i> /								
	) 	icl.	V contron of shear							
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, Έ	Conto	CANTACT BAY THOUN CB-91-06 GROUPE MINIER ARIEL							2.06.	3
Ē	< -		ÉCHANTILLON	ت ۲		LONGUEUR	N:	P		
(W)	12	- Fris marie Aughte lite		i		<u></u>	Ш eq	aad		
		- similar to ou								
-		70								-
		barren atz- ob veinlets cross-cut tas								
		analos some veinets contain 3% fir								
;		highly mbanetic								1
•			•						-	
63.52	72.00	Tale-Chlorite-Carbonate Schirt								
		۱								
•										
		9								
		0.10mto 70.41m histitic m								
		cilly histite								
				_						
	÷	- lower contact has a segmentitic share of a feldoran								
		dities with large Feldron phromite up								
		interation - 1 / /								
·		י כ								
72,00	FP, 47	Matic Feldspar Punhury Dik	33152 -	-44,50	45,35	<b>a</b> 85	437	5		
-		- sturian to oneviolatil deacribed dite								
:	1	- barren of significant mineralization	33153	65.83	67.35	1.52	0411	0/		
t6' ht	89,92	Amohibolite.	33154 6	69.80	70.65	0.85	327	15-		
		- med enained highly magnetic					-			
·	-	- when showed section From 74,97 to 78,02	33155	71.41	72.21	080	320	رح ا		
		endanced altered to appear ance to to - chi- ch- schift								
LICER	1									

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ы. С												 									
б	•																			1	
	LONGUEUR																				
	4																				
	BE																	 	 		
	ÉCHANTILLON						_														•
BAY TROUNT CR. 91- 06 GROUPE MINIER ARIEL	DESCRIPTION	Amahibolite - continued	1	are oriented alt steen duales to cit	along some for twos	ignificant	2	E. O. H. 89.92 M													
CONTACT BAY	۲	89.92											 				-		 	 	 
	8	59.45									   								 		
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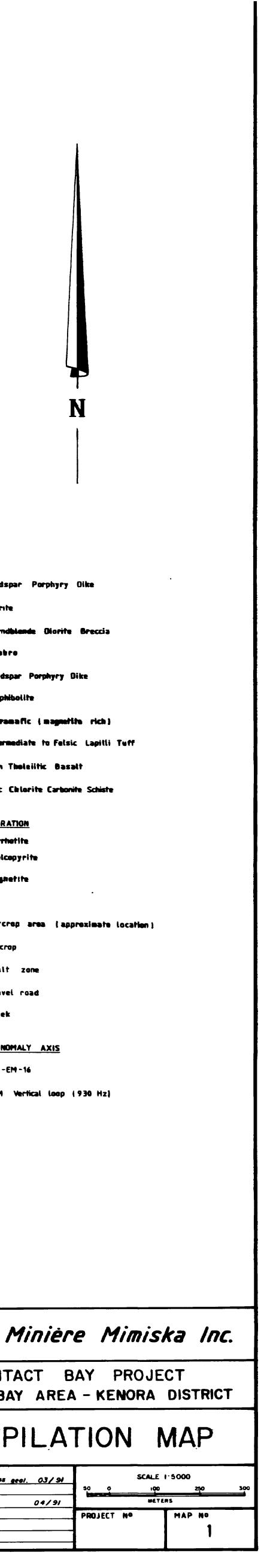
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				Société d'exploration:	ration:		CONTACT	T 04/	CB - 9	£0-16
	ORDONNÉE:	e /ł25E		MIMISKA FAIC	õ	_		-		
NTS			DIMENSION CAROTTE: DO	COMMENCE:						
										•
AZIMUTH		No54 E	sondeuse: Morissette	TERMINĖ:						
		-			•					
INCLINAISON	ON		TESTS D'INCLINAISON AL DA - 52 -						•	:
			121.92 m - 51°	•						
LONGUEUR	~	135-94m								
						Ś	Seologiet	: Zi// 1	Lennns	
۳ س	₹.	<b>۵</b>	DESCRIPTION	ÉCHANTILLON Nº	) DE	( <i>w</i> )		Pad .		
0.00		Overhurden				1				
33,53	95.09	Ultramatic Unit								
		massim	to achistose							
			with satches that one highly	maph fir						
		1 Fire arained	Pari							
		- moion faills at t		-						
				33156	43.89	44.50 6	0,61	72		
		- 56.19 - 51.82								
•		)		33157	54.47	55, 32	0.85	ا دح		
		H. E. H. Lona Ci	let of much fault among							
		Tomatic highly	ciritu	Ufr 33158	92.35	92.93 6	0.58 -	57		
.,	<b>A</b> 11	Verpentite and	tale are americally navrow	ran						
	-	In upper " halt of hole	/ ō ·							
•		in treadment	towards lower contact (25 hanking							
		Fraction filled with screentine	Hale ser metre)							
ł,		00								

PROJET:	Con	TACT BAY TROUNGB-91-07 GROUPE MINIER ARIEL							N N	Z-11-2	
ΒΞ	₹ ₹	DESCRIPTION	ÉCHANTILLON	۲) ۲	<b>√</b> (₩)	LONGUEUR	Ní. pe m	A bad			
95,0	09 91.66	Bink Feldebar Perphyru Dite									
		- Fire arained moreide, hon									
		Jaien Fult zan "									
		Stred									
	-	- user & lower contacts bounded by much to	£.14				1	• •••	•••		
-		of significant mineralization						-			×.
								•			
99.96	6 99.36	-Lore - ruch he. in when a free									
		- DOOF CALL REGULA						-		•	
-											
99,36	5 114.15	Whramatic Unit.									
		- black	33159	105.46	106.07	190	:1:	45			•
		havour carllengto stri							:		199
			33160	113.93	07.411	0.67		0#1	۰.		•
114.15	135.94	4 Feldemar Perphyry Gabbra (Leurmabbra)									•
•	,	- marile pointwritte dark areen aroundringe	33161	128,32	129.00	D.68	1	57			
:		conneitic subhedral to antidual white feldeaur								 	
								•			
		- shidned sections are allower.							•		
		- 128.32 - 1319.00 - sheared internediate dite							•	1. in the second	
. <b>.</b> 4		14 - 133,87						-		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	54
		acts of looth diffe are						•••	1		and the second
· ·		Field 2 mus over 4 lin at weak, a								State of the second	金属
		UFide mineralization						·	1 E	そうく	1
	_	-									-
, , ,	•	E.O.H - 135,94 m								1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	



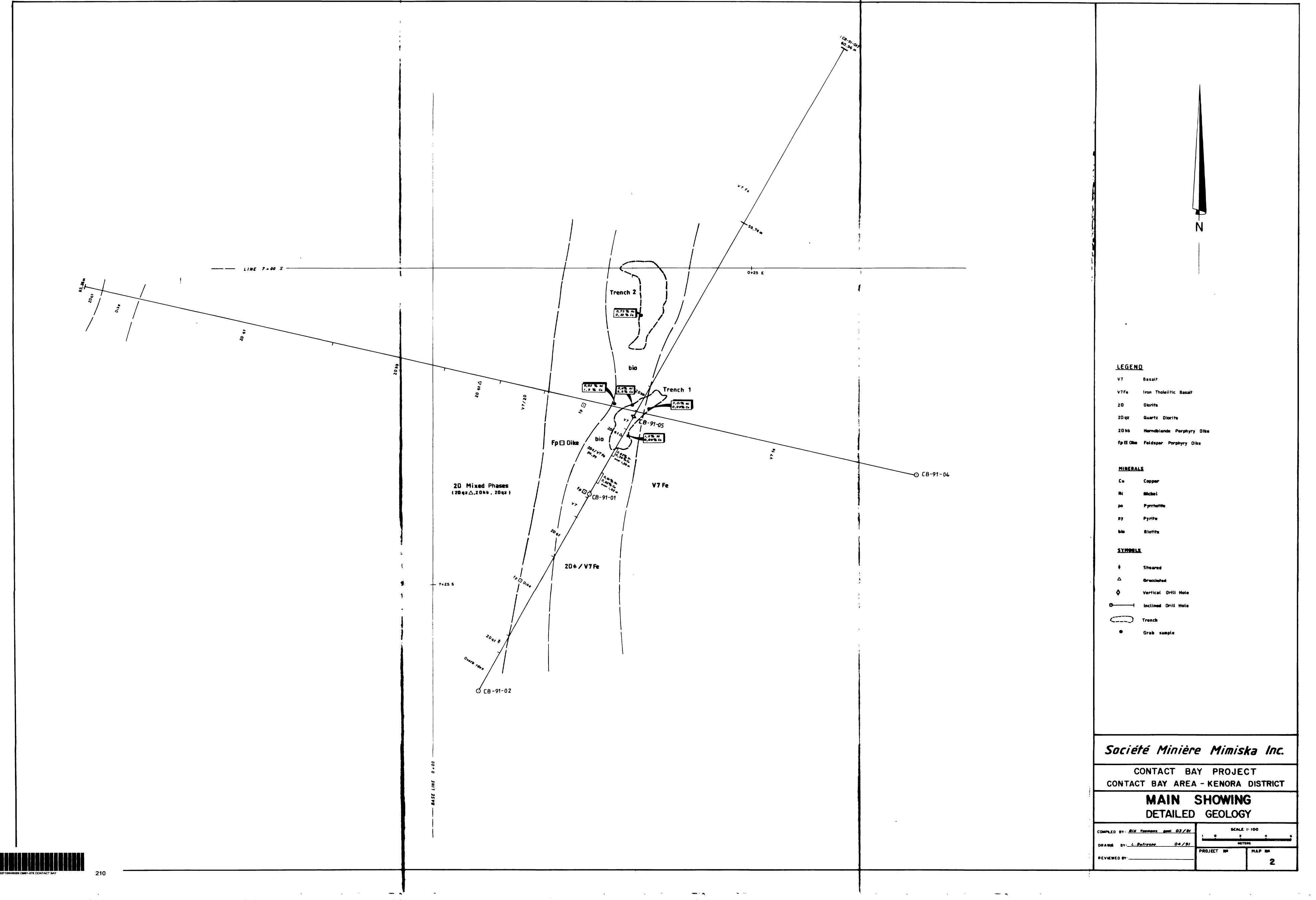
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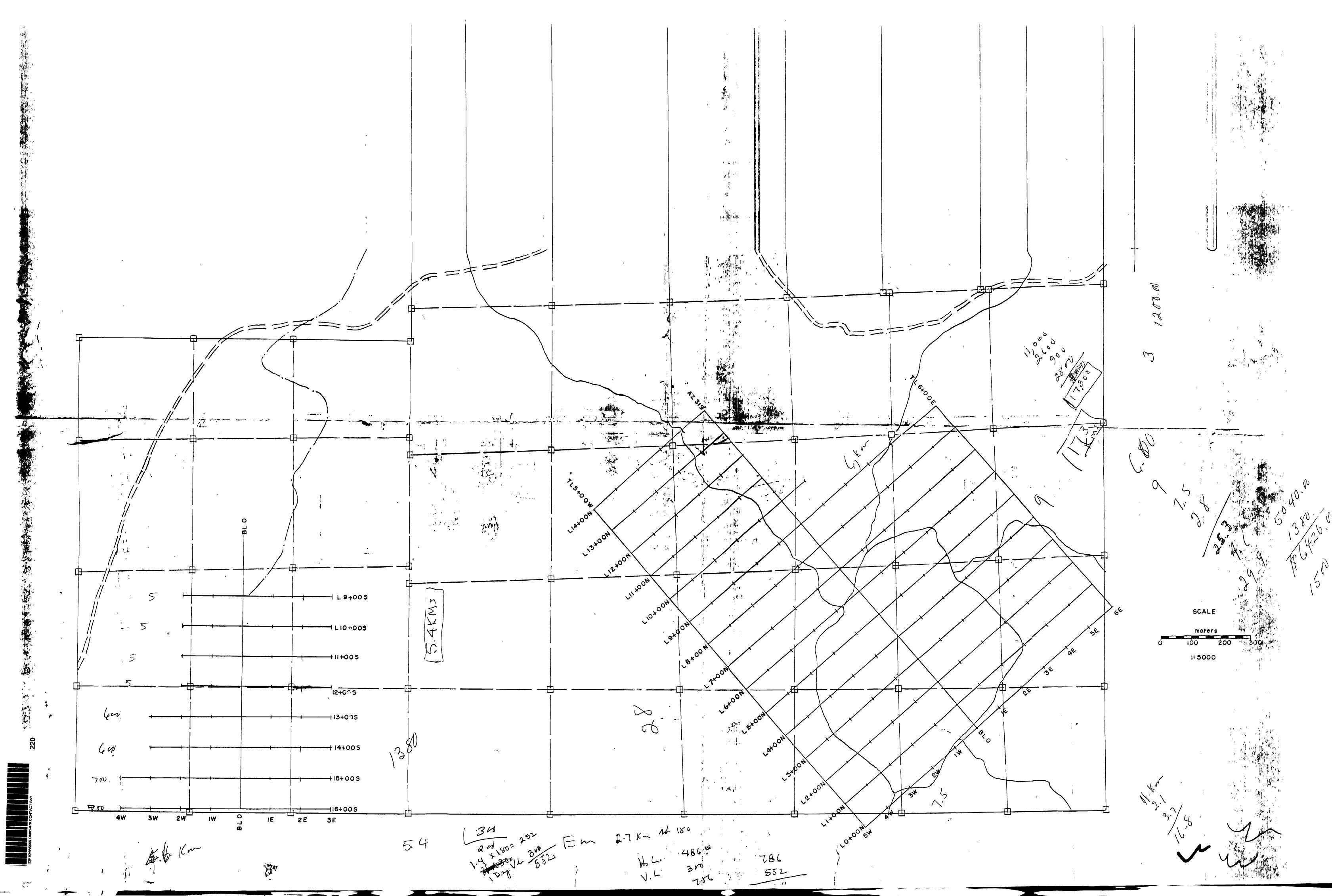


# LEGEND

fp 🖯 Dike	feldspar Porphyry Oike
20	Diante
20 hb	Hornd <b>blande</b> Dia <b>rite Br</b> e
36	Gabbro
36 fp E	Feldspar Porphyry Dike
43	Amphibolite
V 13 mt	Uttramafic ( magnetite r
VZ Lp	Intermediate to Felsic La
V7 Fe	Iron Theleiltic Basalt
tc,cl,cb,sch	Talc Chlorite Carbonite S
MINERALS .	ALTERATION
po	Pyrmatite
сру	Chalcopyrite
nt	Magnetite
	Outcrep area (apprexi
x	Outcrop
sse sse	Fault zone
	Gravel road
·	Creek
	AL ANOMALY AXIS
-00	VLF-EM-16
~000	VEM Vertical Loop (930
Societ	té Minière
-	ONTACT BAY
CO	MPILATI
COMPLED BY : Bill	Yeemans gegi. 03/91
	30 Iresne 04/91
REVIEWED BY:	PR



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