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**Drilling Report
For
RJK Explorations Ltd.**

On the Ice Chisel and Darwin Lake Claims
#231369 and #268095

Tammy Huard, BSc. (Hons), Earth Sciences

July 31, 2023

Table of Contents

1.0 Summary.....	4
2.0 Introduction.....	4
3.0 Property Description and Location.....	5
3.1 Location and Access.....	5
3.2 Topography, Climate and Vegetation.....	7
3.3 Description of Mining Claims Worked.....	8
4.0 Property History.....	9
5.0 Geological Setting.....	12
6.0 2023 Diamond Drilling Program	15
6.1 Diamond Drilling Program	15
6.2 Technical Aspects of the Drill Program.....	15
6.3 Location of Drill Holes.....	15
6.4 Drill Hole Information	15
7.0 Descriptions of Drill Holes.....	15
8.0 Conclusions.....	17
9.0 Recommendations	17
10.0 Acknowledgements.....	18
11.0 Certificates of Qualification	18
12.0 References.....	20
13.0 Appendix A.....	21
13.1 Appendix B.....	23

Figures

Figure 3.1a: Regional Location of Ice Chisel Property.....	6
Figure 3.1b: General Location and Property Access Map.....	7
Figure 3.3: Plan view of Drill Hole Location with Claim Cell #231369.....	9
Figure 4.1: Diagram A – Indicator Mineral Alluvium Surveys.....	11
Figure 5.1: Surface Geology Map.....	12
Figure 5.2: Total Field Magnetic with Structural Setting.....	13
Figure 5.3: EM Conductance Map with Structures.....	14
Figure 7.1: Drill Hole Cross-Section Fence line – ICE-23-01, ICE-23-02, DAR-23-01.....	16
Figure 7.2: Drill Hole Cross-Section showing ICE-23-01, ICE-23-02 and DAR-23-01.....	17

Tables

Table 3.3: Summary of Mining Claims Worked.....	8
Table 4.1: Ice Chisel Property Claim Data.....	10
Table 6.4: Drill Hole Information Summary.....	15

Appendices

Appendix A: Drill Hole Summary

Appendix B: Work Expenditure Allocation and Invoices

1.0 SUMMARY

All mining claims within the Nipissing Diamond Project – Ice Chisel and Darwin Properties are in Gillies Limit Township, Larder Lake Mining Division and are 100% owned by RJK Explorations Ltd. for purposes of exploring for diamond-bearing kimberlite pipes in the Cobalt-Kirkland area situated 8.5 km south of the community of Cobalt, Ontario. The property and exploration diamond drill holes may be accessed via Hound Chute Road east of the Montreal River. A central point within the Ice Chisel Property is approximately located at UTM coordinate 5240506N 598968E NAD 83 Zone 17 and a central point in the Darwin Property is located at UTM coordinate 599434E and 5241433N UTM NAD 83 Zone 17.

Topography is generally rolling hills with local steep ledges and cliffs. Giroux Creek flows south and westward through the area and into the Montreal River. Overburden as been seen as deep as 45m near the centre of the property. Vegetation on the claims consists mainly of mature mixed forest and locally dense underbrush. Logging was done across much of the area and re-growth is extremely dense and, in some cases, impassable. (Collins & Hubacheck, 2021, p.5)

According to Bishop (2017) The claim is underlain by sedimentary rocks of the Gowganda Formation sandwiched by diabase contacts at the east and west boundaries of the claim. To the east is the Giroux Lake Fault and to the west the Montreal River Fault. The Giroux fault runs through to the centre of Darwin Lake and many cross faults are close to this claim to the west, east, and south. The claim itself, is largely sand/gravel covered.

RJK Explorations Ltd. completed 3 drill holes totalling 185m in a diamond drilling program between February 13 and March 12, 2023, for 28 days on 2 unpatented mining claims within Gillies Limit Township. This program was carried out with the assistance of Huard Drilling Ltd. of Haileybury, ON. The purpose of this program was to follow up on high numbers of Cr pyrope and other KIMS found immediately down ice of the Ice Chisel Property. Drilling resulted in a better understanding and definition of the local overburden.

Due to the extent of overburden, further exploration including winter drilling on Ice Chisel and Darwin Lake is recommended to explore the idea that Ice Chisel and Darwin Lake host kimberlites.

2.0 INTRODUCTION

This report has been prepared to meet the requirements for the filing of assessment work under the provisions of the Ontario Mining Act and describes results of a diamond drilling program performed by RJK Explorations Ltd.

The diamond drill holes were drilled within the Ice Chisel and Darwin Properties in Gillies Limit Township on 2 unpatented claims 100% owned by RJK Explorations Ltd. The drill holes are following up on high numbers of Cr pyrope and other KIMS found immediately down ice of the Ice Chisel Property identified in previous work.

3.0 PROPERTY DESCRIPTION AND LOCATION

3.1 Location and Access

The Ice Chisel and Darwin Lake Properties are in the southern part of Gillies Limit Township, in the Cobalt Mining Camp of northeastern Ontario. A centrally located point within the Ice Chisel Property is approximately located at UTM coordinate 5240506N 598968E NAD 83 Zone 17. A centrally located point within the Darwin Lake Property is approximately located at UTM coordinate 5241433N 599434E NAD 83 Zone 17. The Ice Chisel and Darwin Lake Properties are located approximately 239 kilometers southeast of Timmins, Ontario and 158 kilometers north of North Bay, Ontario, via road access. The field crews accessed the Ice Chisel and Darwin Lake Properties in Gillies Limit Township, Larder Lake Mining Division, via road from the community of Cobalt, Ontario and turning southeast onto Coleman Road for 1.7 kilometres and turning south onto Hound Chute Road for approximately 10 kilometers, following the eastern side of the Montreal River. The property can be accessed to the east on foot or via all-terrain vehicle. (Figures 3.1a & 3.1b)

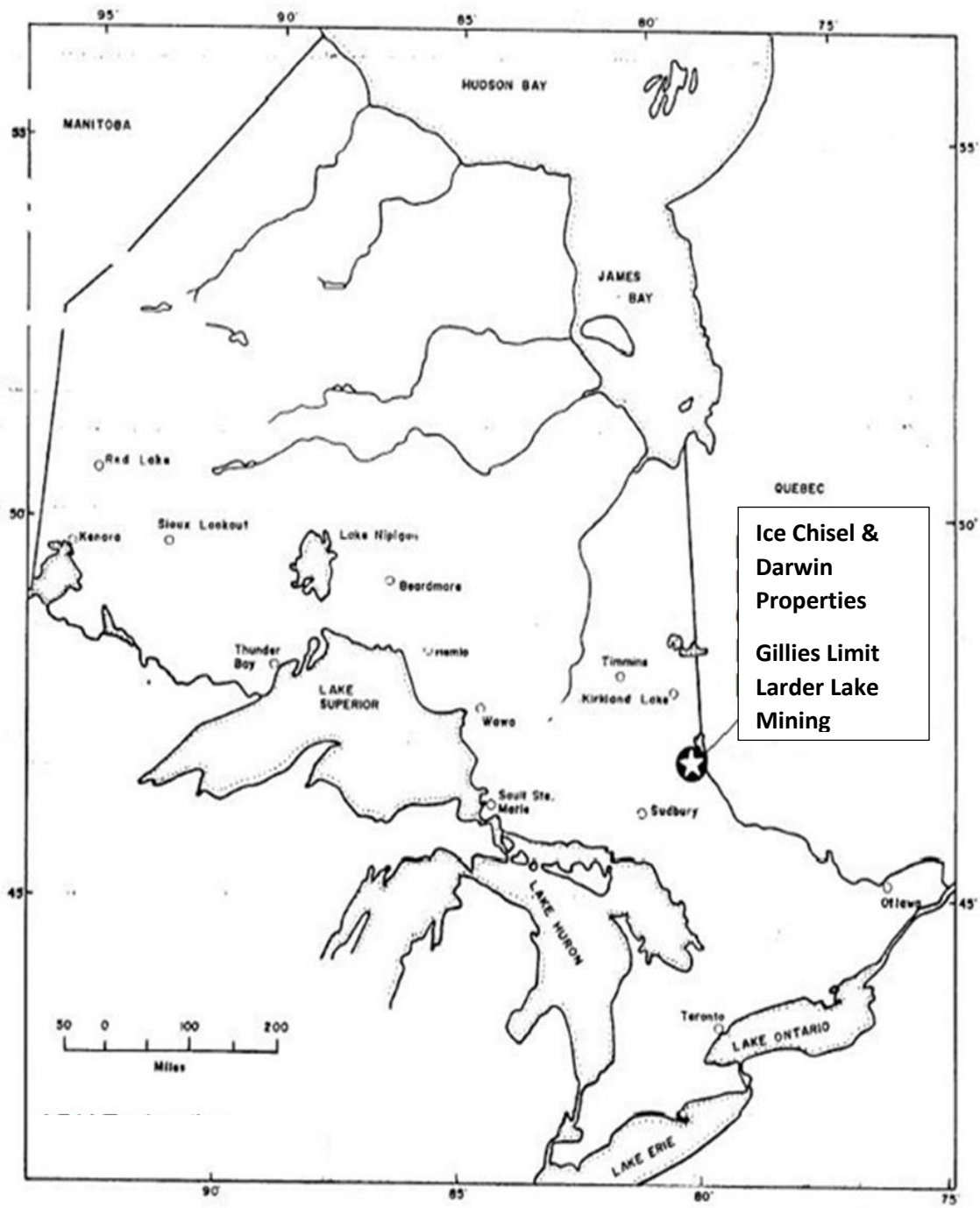


Figure 3.1a: Regional Location of Ice Chisel Property.

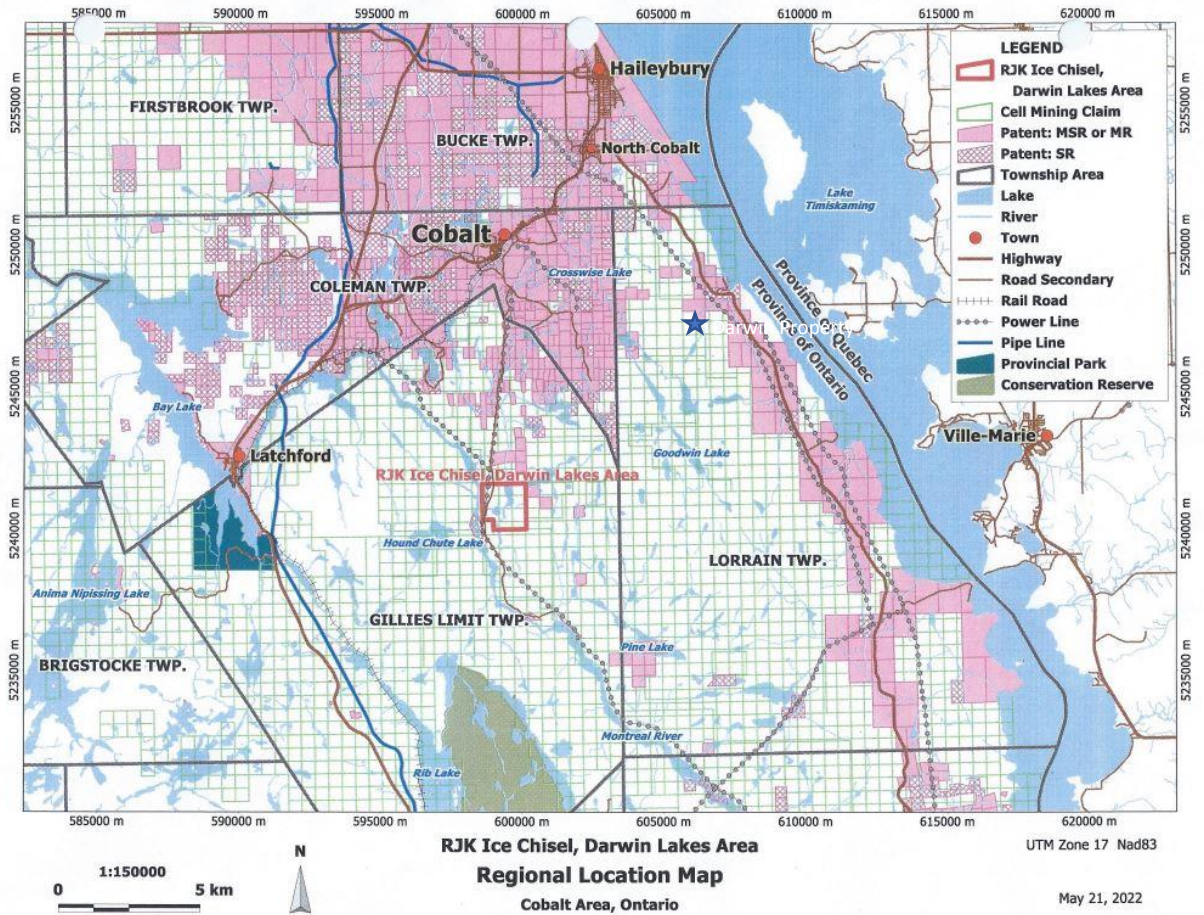


Figure 3.1b: General location and property access.

3.2 Topography, Climate and Vegetation

Topography is generally rolling hills with local steep ledges and cliffs. Giroux Creek flows south and westward through the area and into the Montreal River. Vegetation on the claims consists mainly of mature mixed forest and locally dense underbrush. Logging was done across much of the area and re-growth is extremely dense and, in some cases, impassable. The climate in northern Ontario is generally warm with moderate precipitation from May to October and snow covered and cold weather from November to May. (Collins & Hubacheck, 2019, p.5)

3.3 DESCRIPTION OF MINING CLAIMS WORKED

The diamond drilling area consists of mining claims in Gillies Limit Township, Larder Lake Mining Division. The claims are part of the Nipissing Diamond Project – Ice Chisel Property. The claims are owned by RJK Explorations Ltd. Summary information for those mining claim cells on which the diamond drilling program was completed is summarized in Table 3.3 and Figure 3.3.

Drill Hole	Legacy Claim	Claim Number	Township	Type of Cell	Due Date
ICE-23-01	L4282172	231369	Gillies Limit	Boundary cell mining claim	April 9, 2023
ICE-23-02	L4282172	231369	Gillies Limit	Boundary cell mining claim	April 9, 2023
DAR-23-01	L4282172	268095	Gillies Limit	Boundary cell mining claim	April 9, 2023

Table 3.3: Summary of mining claims worked.

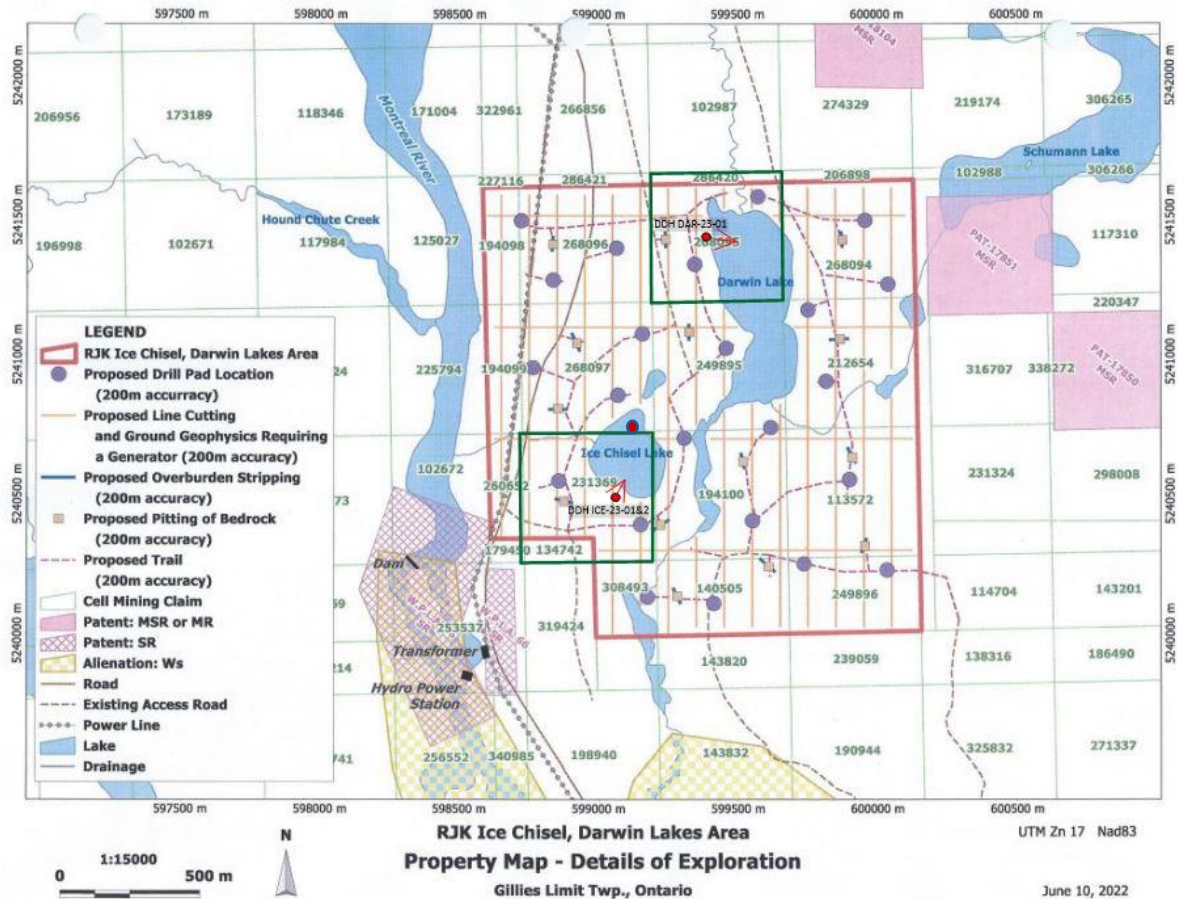


Fig 3.3: Plan view of Drill Hole Locations with Claim Cell #231369 and #268095

4.0 PROPERTY HISTORY

For the purpose of this report, the properties known as the Ice Chisel and Darwin Lake Properties are composed of 2 mining claim boundary cells, each totalling approximately 20 hectares. The claims are listed in Table 4.1. According to (Bishop, 2017) Diagram A in Fig. 4.1 shows the results of samples (between 6-20kg in weight) taken by various companies over the last ~2 decades in and around the Ice Chisel Property all within 2 km of Ice Chisel and Darwin Lakes. Bishop samples are also shown, which are typically from 1-4kg in weight. Immediately down-ice of these two lakes Bishop took many till samples and a few creek samples. All return above background to very high KIM counts. Samples taken ~100m west returned no garnets or other KIMs, as checked by Doug Robinson (PEng) and Tony Bishop separately. A sample from down-ice of Ice Chisel Lake was sent to ODM as a check of Bishops results. ODM reported 30 Cr-pyropes, and other significant KIM grains were recovered. Immediately down-ice of this sample, 32 Cr-pyropes were recovered, including a G-10 garnet, as reported in OGS OFR 6088 (2002). A short distance to the southwest of that sample, 35 Cr-pyropes were recovered in another sample by Cabo Co 3566 (2010). A short distance south of that, 10 Cr-pyropes were recovered (OGS OFR 6088). These results, all in close proximity and down-ice of Darwin and Ice Chisel Lake are the best of large scale sampling

programs (nearly 100 samples) initiated by others across two townships from the north part of Gillies Limit to the south part of Lorrain, most of which were duds. Included on Fig 4.1, Diagram A are other samples taken in close proximity and off-ice direction to the west, north, and east of the Ice Chisel Property which returned a few very low KIM counts with most having no Cr-pyropes. As well, this sample area is more than 15 km south of and ~ 30 to 60 metres higher in elevation than the known kimberlite pipes in the New Liskeard area, making it possible but unlikely that the KIMs are from any known pipe, and importantly, these two lakes are located between the high KIM counts (to the south) and the pipes (to the north). The lakes would have acted as a sediment and heavy mineral trap (barrier) to the deposition of KIMs to the south of and close to these lakes unless they originate in the lakes. This principle is demonstrated by Cabo's sample on the north side of Schumann Lake having 9 Cr-pyropes, and three samples taken on the south side having none, as would be expected when the lake acts as a heavy mineral trap. These results, taken together, conclusively point to one or both Ice Chisel and Darwin Lakes being the source of the high KIM counts in close proximity down-ice, especially when so many off-ice samples surrounding these lakes have low to no KIM counts.

Legacy Claim	Boundary/Cell Claims	Township	Type
L4282172	231369	Gillies Limit	Boundary Cell Mining Claim
L4282172	268095	Gillies Limit	Boundary Cell Mining Claim

Table 4.1 Ice Chisel and Darwin Property Claims Data.

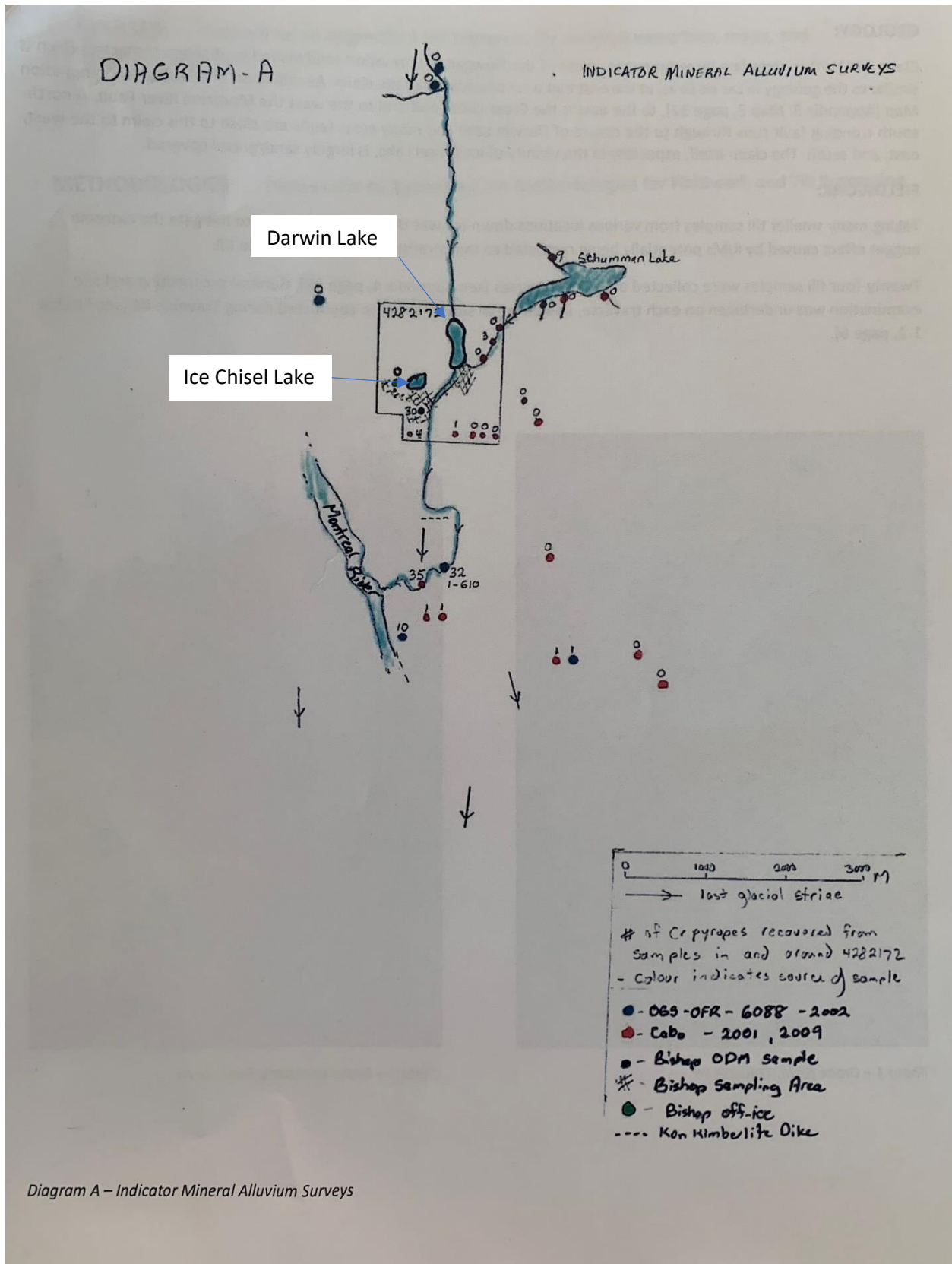


Figure 4.1 Diagram A – Indicator Mineral Alluvium Surveys, Bishop 2017

5.0 Geological Setting

Bishop (2017) notes the property is underlain by sedimentary rocks of the Gowganda Formation sandwiched by diabase contacts at the east and west boundaries of the claim. To the east is the Cross Lake Fault and to the west the Montreal River Fault. A north – south trending fault runs through to the centre of Darwin Lake and many cross faults are close to this claim to the west, east, and south. The claim itself, especially in the vicinity of Ice Chisel Lake, is largely sand/gravel covered.

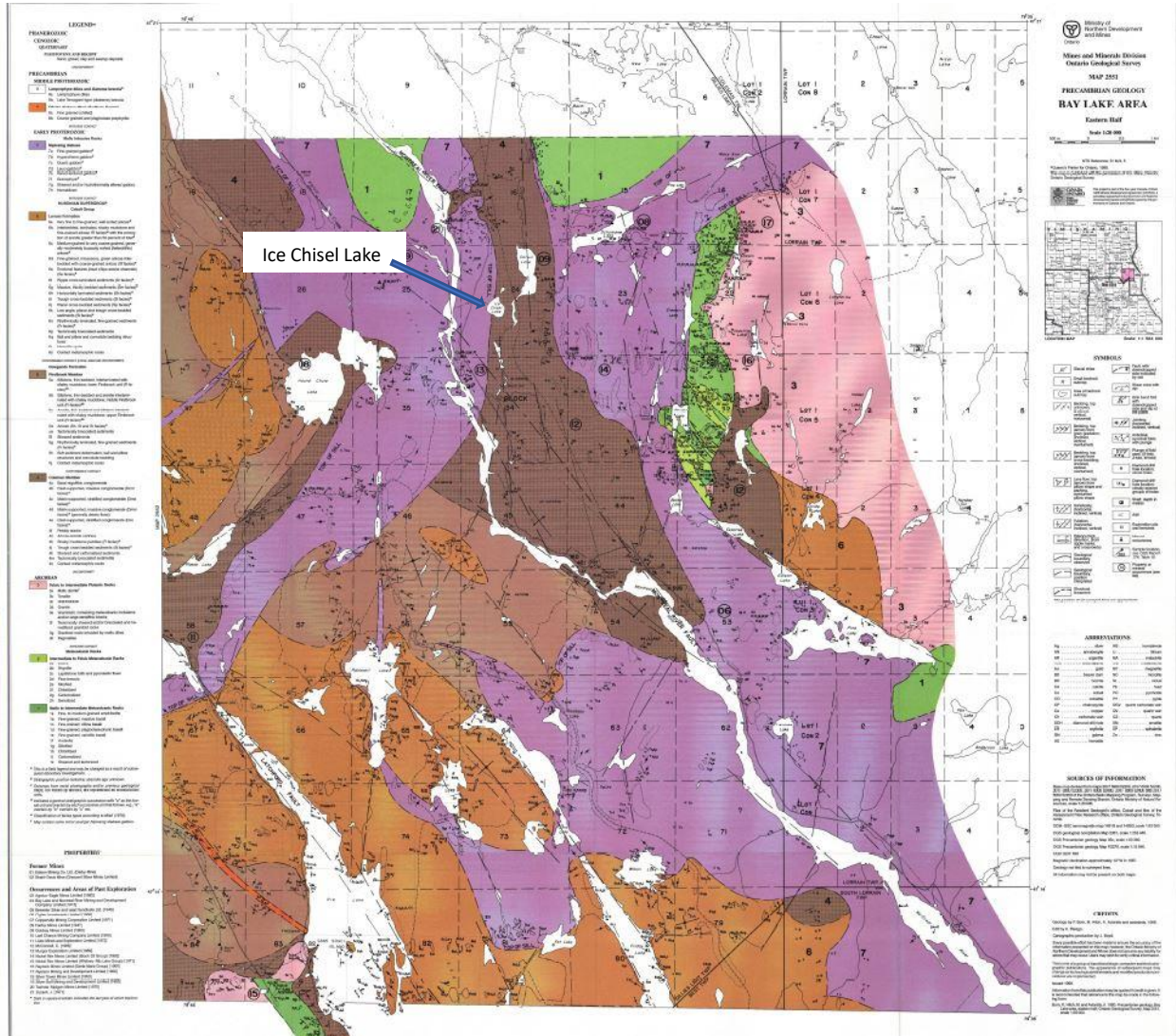


Figure 5.1: Surface Geology Map

Figure 5.2 illustrates the major structures in the vicinity of Ice Chisel and Darwin Lakes. The total field magnetic relief show a sharp contrast boundary shown by the light blue dashed line which correlates to the upper contact of the Nipissing Diabase sill with the Coleman Formation.

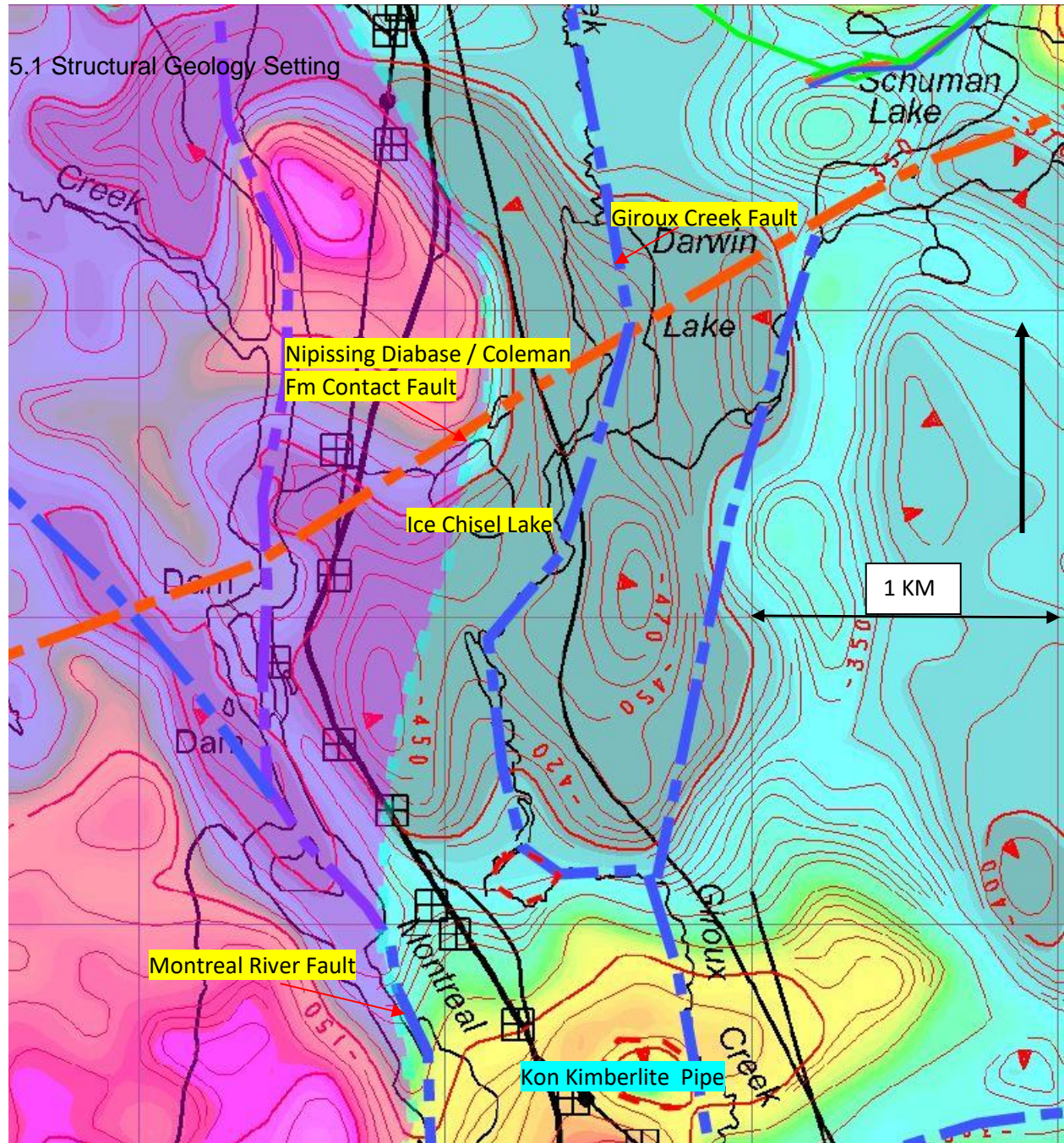


Figure 5.2 Total Field Magnetics with Structural Setting

Figure 5.3 illustrates an apparent conductance map flown using the Fugro GEOTEM system published by the OGS in 2001 (OGS map 82224). The apparent conductance contours greater than 96 milli Siemens in purple may reflect highly conductive glacio-fluvial sediments as well as bedrock responses in the Darwin Lake area, the conductance boundary seems to be coincident with the Giroux Creek fault.

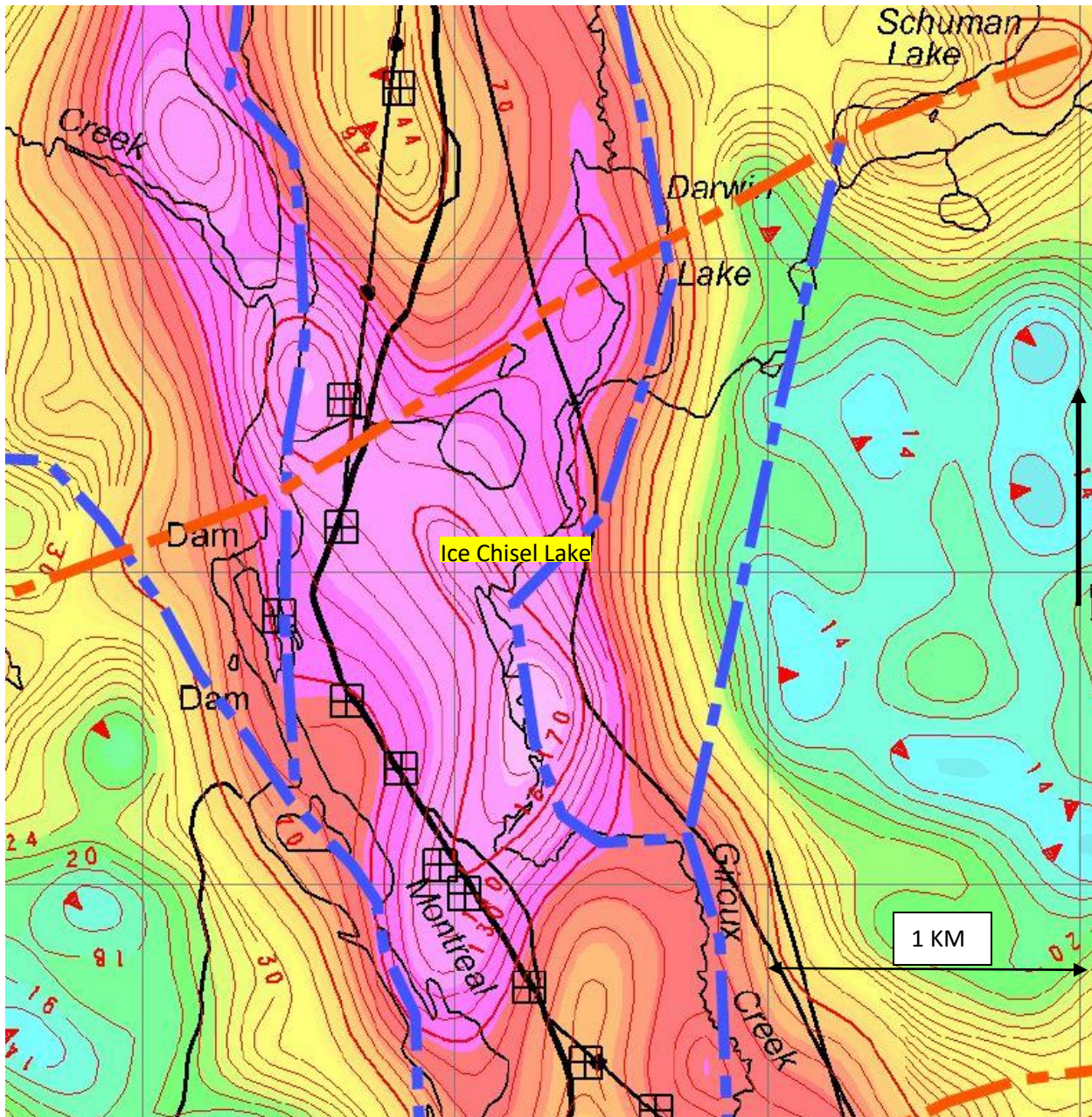


Figure 5.3: EM Conductance Map with Structures

6.0 2023 Diamond Drilling Program

6.1 Diamond Drilling Program

The diamond drilling commenced February 13, 2023 and ended on March 12, 2023. A total 185 meters in 3 diamond drill holes were drilled during the period by Huard Drilling Ltd. Of Haileybury, ON. The exploration permit number for the property is PR-19-000080, effective January 2, 2020, to April 9, 2023.

6.2 Technical Aspects of the Drill Program

In general, access to the drilling area was good with the use of the Hound Chutes Road and drill access travel-ways. Huard Drilling Ltd of Haileybury, Ontario used a hydraulic drill to drill NQ core diameter (47.6mm). The drill was aligned using GPS and compass at the drill site by an RJK Exploration Ltd. Geologist.

6.3 Location of Drill Holes

All drill hole collars were positioned with a Garmin GPSMAP 76CSx unit. Elevations were determined from Google Earth WGS 84.

6.4 Drill Hole Information

Drill hole information is summarized in Table 6.4 with UTM co-ordinates in NAD 83 Zone 17.

HOLE_ID	EASTING	NORTHING	ELEV.	LENGTH	AZIMUTH	DIP	SAMPLES COLLECTED	SAMPLES ASSAYED
ICE-23-01	598986	5240534	289	43	030	50	0	0
ICE-23-02	598978	5240507	290	44	030	55	0	0
DAR-23-01	599367	5241575	293	98	100	50	0	0

Table 6.4: Drill Hole Information Summary.

7.0 Descriptions of Drill Holes

Drill Hole ICE-23-01

Drill hole ICE-23-01 was collared at 598986E, 5240534N and drilled with a 30 degrees azimuth and a -50 degrees dip to a final depth of 43 meters. The objective of this hole was to follow up on high numbers of Cr pyrope and other KIMS found immediately down ice of the Ice Chisel Property identified in previous work. ICE-23-01 intersected 43m of overburden consisting of sand and minor boulders (refer to OB1 on figure 7.2). The hole was abandoned, rods and casing continuously plugged with sand.

Drill Hole ICE-23-02

Drill hole ICE-23-01 was collared at 598978E, 5240507N and drilled with a 30 degrees azimuth and a -55 degrees dip to a final depth of 44 meters. The objective of this hole was to follow up on high numbers of Cr pyrope and other KIMS found immediately down ice of the Ice Chisel Property identified in previous work. ICE-23-02 intersected 44m of overburden consisting of sand with cobbles. The hole was abandoned. (Refer to OB1 on figure 7.2).

Drill Hole DAR-23-01

Drill hole DAR-23-01 was collared at 599367E, 5241575N and drilled with a 100 degrees azimuth and a -50 degrees dip to a final depth of 98 meters. The objective of this hole was to follow up on high numbers of Cr pyrope and other KIMS found down ice of the Darwin Property identified in previous work as well as test the EM conductor in Darwin Lake. Darwin-23-01 intersected 98m of overburden. 0 – 70m was mainly sand with minor cobbles and 70m – 98m consisted of gravel and boulders. The hole was abandoned. (Refer to OB2 on figure 7.2).

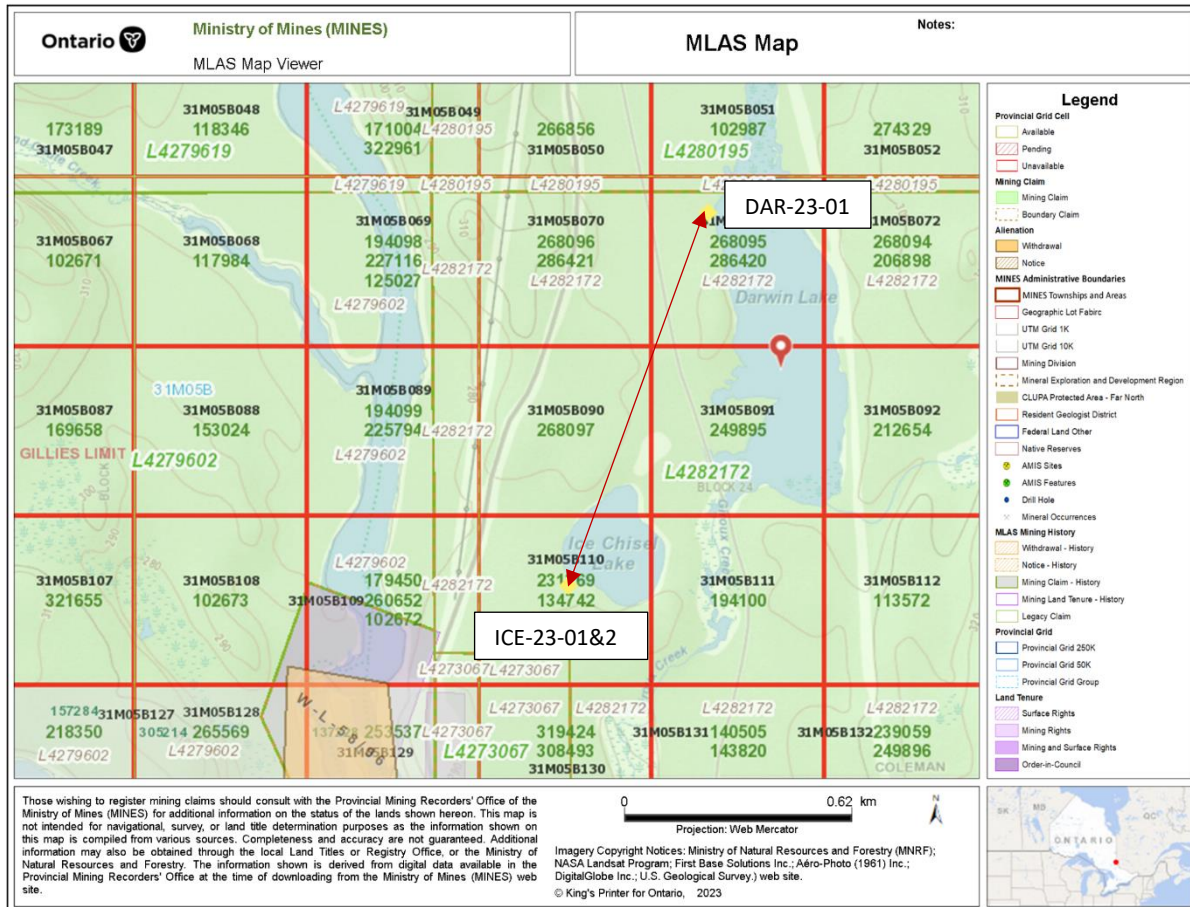


Figure 7.1 Drill Hole Cross-Section Fence line – ICE-23-01, ICE-23-02, DAR-23-01

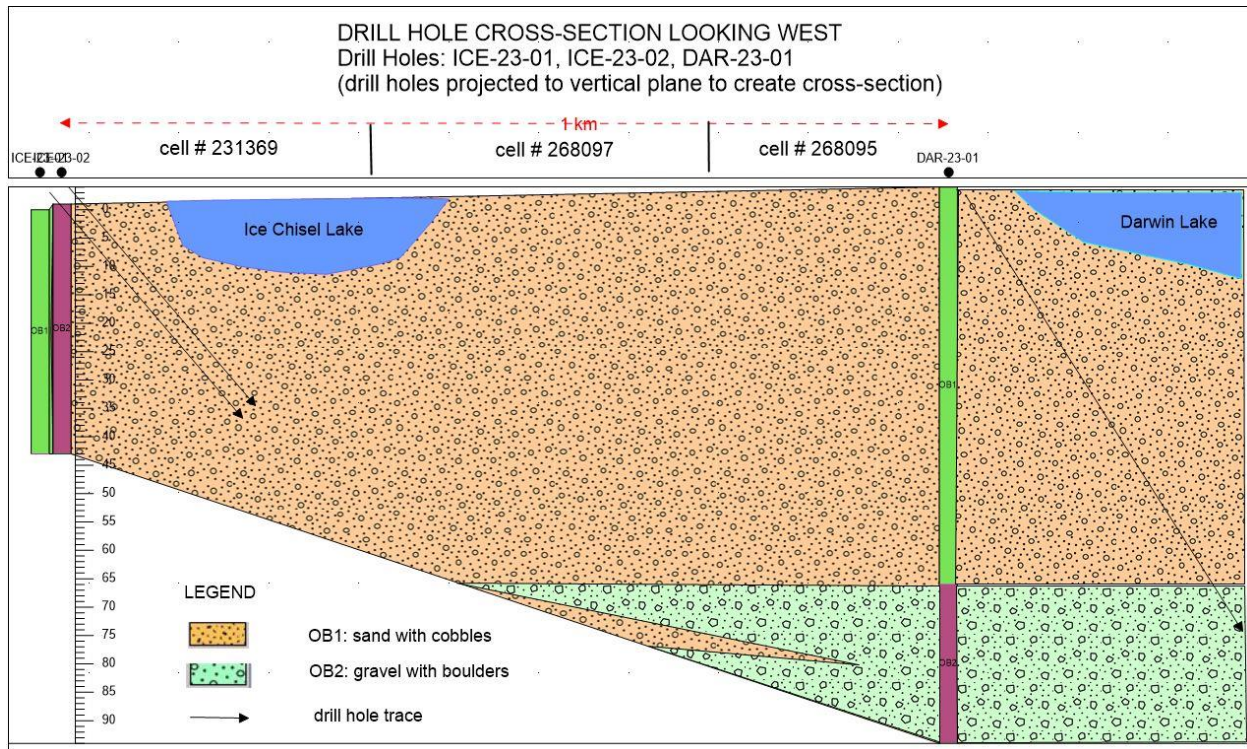


Figure 7.2 Drill Hole Cross-Section showing ICE-23-01, ICE-23-02 and DAR-23-01

Figures 7.1 and 2 illustrate a drill hole fence between Ice Chisel and Darwin lakes showing an interpreted glacial spillway centered in the Darwin Lake basin underlain by the Giroux Creek Fault.

8.0 Conclusions

RJK Explorations Ltd. completed 2 drill holes totaling 87 meters in a diamond drill program to follow up on high numbers of Cr pyrope and other KIMS found immediately down ice of the Ice Chisel Property identified in previous work. Drilling failed to reach bedrock, however a better understanding and definition of the local overburden conditions underlying Ice Chisel Lake. The Darwin Lake drill hole failed to reach bedrock after extending casing to a downhole depth of 98 meters.

9.0 Recommendations

Further exploration is recommended to explore the idea that Ice Chisel Lake is underlain by kimberlites. Due to the extent of overburden further exploration including winter drilling on Ice Chisel Lake is recommended. At Darwin Lake, a second hole is recommended to test the Giroux Creek fault and conductance anomaly from the east side of the lake.

10.0 Acknowledgements

Acknowledgements to the following individuals who provided geological, technical, historical, and other important information for this report: Tony Bishop, Peter Hubacheck, and RJK Explorations Ltd. Peer review of this document was provided by Peter Hubacheck, P. Geo.

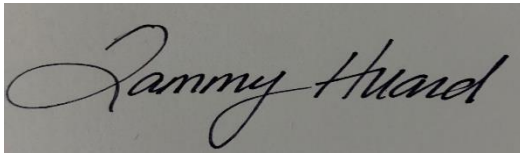
11.0 Qualification/Certificates of Qualifications

I, Tammy Huard, of the City of Haileybury, Province of Ontario, do hereby certify that:

I hold a B.Sc. Honours degree in Earth Sciences (2002) from Memorial University of Newfoundland, NL.

I have been working in the field of geology and mining exploration for 20 years in Canada.

During the diamond drilling program I was under supervision of a registered professional geologist, Peter Hubacheck who reviewed this report before submission.

A rectangular box containing a handwritten signature in black ink. The signature is written in a cursive style and reads "Tammy Huard".

Tammy Huard, B.Sc. (Hons),
Dated at Timmins, Ontario
This 5th day of November, 2022

PETERS CERTIFICATE

I, Peter Hubacheck residing at 132 Moore St., Lion's Head, hereby certify that:

I hold a Mining Technologist (1974) diploma from the Haileybury School of Mines and Technology, Haileybury, Ontario and a B.A.Sc. (Geol. Eng. 1977) degree from the South Dakota School of Mines and Technology, Rapid City, South Dakota.

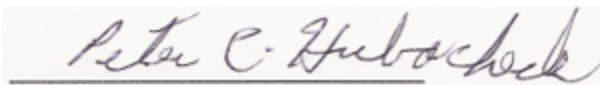
I have over 45 years of experience as a project geologist, exploration manager and Qualified Person for the purposes of NI 43-101, with experience in the exploration for gold, silver, base metals, uranium and diamonds in Canada and the USA.

I am a consulting geologist and President of W. A. Hubacheck Consultants Ltd. In January 2020, I joined RJK Explorations Ltd. as project manager and principal geologist on their Nipissing Diamond Project leading an exploration team searching for the source of the Nipissing Diamond in the Historic Cobalt mining Camp.

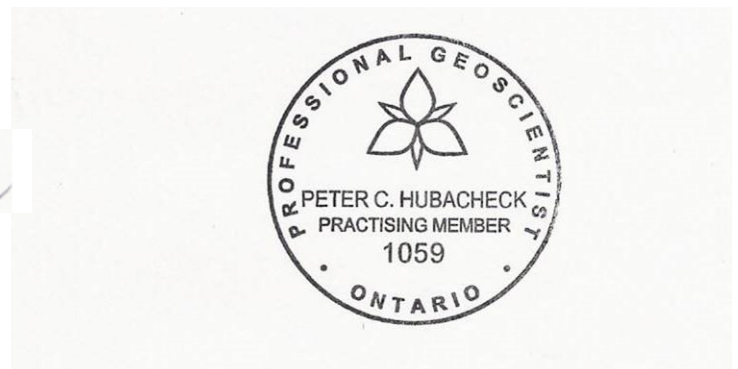
I am a practicing member in good standing with the Association of Professional Geoscientists of Ontario (Member Number 1059).

Statements within this report are based on my personal observations made under direct supervision of the diamond drilling program and I have no interest either direct or indirect pertaining to the properties included in this report, nor do I expect any.

Dated this November 5, 2022



Peter Hubacheck



12.0 References

Bishop, T. 2017. Assessment Work Report on Claim L4282172.

Collins, R & Hubacheck, P., 2021. Exploration Report Diamond Drilling Nipissing Diamond Project – Kon Property Gillies Limit Township Larder Lake Mining Division Ontario.

Sears, S.M., 2019. Interpretation Report of the ADK Property Gillies Limit North Township Cobalt Area, Ontario.

Reid, J. L., 2002. Regional modern alluvium sampling survey of the Mattawa-Cobalt corridor, northeastern Ontario. Ontario Geological Survey, Open File Report 6088

APPENDIX A

Project	Hole ID	Easting	Northing	Elevation	Length	Azimuth	Dip	Contractor	DDH Started	DDH Completd	Casing
Ice Chisel	ICE-23-01	598986	5240534	289	43	030	50	Huard Drilling Ltd	Feb 13	Feb 15	Pulled
Ice Chisel	ICE-23-02	598978	5240507	290	44	030	55	Huard Drilling Ltd	Feb 16	Feb 21	Pulled
Darwin	Darwin-23-01	599367	5241575	293	98	100	50	Huard Drilling Ltd	March 4	March 12	Pulled

Comments
ICE-23-01 & 02 and Darwin-23-01 do not have drill logs as the holes were abandoned before hitting bedrock. Casing for each drill hole was pulled and no artesian conditions were encountered during drilling.

APPENDIX B

Assessment Work Expenditure Allocation

Hole -ID	Claim	Description	Invoice Number/Identifier	Amount (CDN\$)
ICE-23-01	231369	Drilling	Feb. 1 – 15	\$10440
		Consultants	Tammy Huard, Feb 1 -28	\$350
		Reporting	Tammy Huard, Feb 1 -28	\$210
	Sub-total			\$11,000
ICE-22-02	231369	Drilling	Feb. 16 – 21	\$7377
		Consultants	Tammy Huard, Feb 1 -28	\$122.50
		Reporting	Tammy Huard, Feb 1 -28	\$210
	Sub-total			\$7,709.50
Total (Before Taxes)				\$18,709.50

Total by Claim

Claim ID	Amount (CDN\$) (Before Taxes)
231369	\$18,709.50

Hole -ID	Claim	Description	Invoice Number/Identifier	Amount (CDN\$)
Darwin	268095	Drilling	Feb. 16 – 21	\$20403.50
		Consultants	Tammy Huard, March 1 -15	\$140
		Reporting	Tammy Huard, March 1 -15	\$210
	Sub-total			\$20,753.50
Total (Before Taxes)				\$20,753.50

Total by Claim

Claim ID	Amount (CDN\$) (Before Taxes)
268095	\$20,753.50