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PACIFIC IRON ORE CORPORATION

c/o Suite 1 – 35 Patterson Street West

Kenora, Ontario P9N 3S1

SCARP LAKE (Big Goose Lake) Cu-Au-Ag-F-REE PROJECT REPORT

**Garnet Bay (Eagle Lake) Area
Map Sheet G.2531
Kenora Mining Division – 10**

Prepared By

**Alasdair (Al) J. M. Mowat
Technical Mining Engineer
October 02, 2019**

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Figure #3 – Claim Area Geology

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PHOTOGRAPH

XEROX Photocopy #1: Polished Rock Sample from the Scarp Lake Discovery Zone

Field Work and Report by: Alasdair (Al) J. M. Mowat
Technical Mining Engineer
Kenora, Ontario

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SCARP LAKE (Big Goose Lake) Cu-Au-Ag-F-REE PROJECT REPORT

Project/Property Name: Scarp Lake (Big Goose Lake) (Fig. #1e- Regional Location Map)

Location: Kenora Mining Division of Ontario – 10
Garnet Bay (Eagle Lake) Area – Map Sheet G.2531
Co-ordinates- Lat. 49 degrees 38' N by Long. 93 degrees 28' W
Datum – NAD 83, Zone 15 (466800mE by 5498600mN)

Mineral Commodities: Copper, Gold, Silver, Fluorite and REE

Recorded Mining Cell Claim Numbers: 333128, 272537, 253247, 333129, 265302, 112621 and 187186 – legacy claim K.1238091 (Fig. #2 – Claim Map)

Ownership: (100%) - Pacific Iron Ore Corporation

Client No.: 406253

Access: The property is located about 25 km southwest of the Village of Eagle River; south of Hwy # 17 to the west end of Detour Point boat launch; then an one hour boat trip up the Piskagomang River to the southeastern shore of Scarp Lake (Big Goose Lake). A 400m flagged north easterly foot trail leads to the prospect.

History: The area was mapped in 1955 by Ontario Government Geologists Davis and Watowich. A report and map #1956-3, Populus Lake Area, scale 1:31,680 (1 inch to ½ mile) were produced.

The Scarp Lake Cu-Au showing was discovered in 1996.

Pacific Iron's (Emerald Fields') assessment work to date consists of trenching, geology, an airborne Mag - EM survey, diamond drilling and assaying.

Property Geology: The geology map of this region describes the Scarp Lake (Big Goose) as being divided into two northeast trending sections – west and east. The west section is underlain by a 300 - 800m thick unit of altered mafic flows and tuffs. West of this mafic group is a 150 - 200m thick units of arkose to arkosic greywacke intruded by a granitic body. Southeast

from this mafic/sedimentary group is the “Higbee lake” granodiorite intrusive complex with sections having blue quartz-eyes. All units have been overturned to the west. The pattern of faulting and shearing is generally northeasterly and southeasterly. All rock units are of Precambrian age. **(Fig. #3 – Claim Area Geology)**

Within the east group lies the Scarp Lake Cu-Au showing. The occurrence is highly gossaned with malachite and azurite staining over an exposed area of about 10 by 30 meters. A fresh rock sample consists of veins, stringers, blebs and disseminations of chalcopyrite. **(Photocopy #1)** Earlier reported surface assays from 1999, 2002 and 2004 returned Cu values between 4.38 to 7.68%, 1.0 to 1.87 ppm Au and 46.0 to 60.0 ppm Ag.

In 2004, Geotech flew a combined magnetometer and electromagnetic system over the property and area.

In October 2005, the zone was drill tested consisting of 2 drill set-ups – 2 holes per set-up – totalling 4 holes (255 meters). All holes intersected the Cu bearing zone. The zone thickens and gently plunges to the east and likewise; however, steeper to the south. The showing coincides with an airborne geophysical magnetic low anomaly, a strike length of approximately 1.8 kilometers. The western drill set-up ‘A’ weighted Cu assayed for drill hole # SL-1 is 0.72 % over 26.60 meters with a core 6.70m section running 1.17 % Cu. At the same set-up, ddh # SL-2 assayed 0.72 % over 27.8 meters with an 11.30m zone averaging 1.17 %. The next drill set-up ‘B’ located 50m northeast consisted of 2 drill holes #SL-3 and -4best. Number 3 has an intersection of 0.70 % across 2.0 meters and #SL-4 assayed 0.56 % over similar length. The Cu mineralization in this area is mainly disseminated.

In November of 2015, additional analysis of core assayed between 720 ppm to >2% fluorite.

REGIONAL AREA GEOLOGY

The Scarp Lake Cu-Au-Ag-REE and F occurrence lies within the “Higbee” granodiorite intrusive complex. The complex is classified as Precambrian (Algonian?) in age after Davies et al 1956. The body is elliptical in shape, oriented northeasterly, approximately 20 kilometers by about 5 kilometers southeasterly. Its configuration is the result of regional deformation. The body is bounded on its southeast side by the Mulcahy ultramafic intrusive (pre-Algonian?) and its northern boundary in contact with mafic volcanics - metasediments of Keewatin age. The Higbee unit is composed of hornblende diorite, hornblende quartz diorite and “blue quartz eye” granodiorite.

COST BREAKDOWN

Two (2) field days (June 06 th and 18 th , 2018) @ \$600/day	\$1,200
Two (2) days of vehicle travel x 244 return km @ \$0.50/km	244
Report hours – 13 hr @ \$75/hr	<u>975</u>
TOTAL	<u>\$2,419</u>

COST DISTRIBUTION

MINING CLAIM	WORK PERFORMEND	APPLIED	BANKED
	\$	\$	\$
333128	0	200	0
272537	0	200	0
253247	1,219	400	419
333129	1,200	400	0
265302	0	200	0
112621	0	200	0
187186	0	400	0
7 CLAIMS	\$2,419	\$2,000	\$419

QUALIFICATIONS & EXPLORATION BIOGRAPHY

Alasdair (Al) J. M. Mowat

Suite 1 – 35 Patterson Street West

Kenora, Ontario P9N 3S1

(Phone: 807-468-4682, Email: ajmmo8@kmts.ca)

Eastern manager for Pacific Iron Ore Corporation and its predecessor company Emerald Fields Resource Corporation, since 1997. 51 years of exploration, management and administration experience. An honours graduate from Haileybury School of Mines ('70) receiving a Mining Engineering Technician Diploma. Registered Ontario Prospector with the provinces of Ontario ('68). Member of NWOPA, OPA, Manitoba Prospectors and Thunder Bay WIM. The exploration/mining representative on the MNR's Kenora Local Citizens Committee (KLCC) regarding forest operations of NW Ontario.

Exploration experiences:

- Falconbridge Nickel Mines Limited (Elliot Lake and Onaping) - "U" exploration and underground mine geologist (Ni, Cu).
- Vaughan Prospecting Syndicate (Toronto) – project development for the Alaskan and U.S. A. Eastern Seaboard – Rare Earths, Ni, Au, Cu.
- Riocanex – Kirkland Lake Au projects.
- Lac Minerals Ltd. – Au exploration in Kirkland Lake, Uchi and Hemlo leading to the discovery of the Hemlo Gold Mine.
- Consolidated Professor Mines Ltd (Duport Gold Mine Property), Shoal Lake/Kenora discovered 2nd Au zone.
- Founder of Golden Terrace Resource Corporation (New Liskeard) – Au exploration in Hemlo and Richardson Lake leading to a new Au discovery.
- Founder of Emerald Fields Resource Corporation. Now public company (POC.V) Pacific Iron Ore Corporation discovered "Big Mack" - Li (REM) pegmatite. Other associated property projects are St. Anthony - Au, Code - Au and Scarp Lake - Cu, Au, Ag, F, and REE.
- Also other ongoing exploration projects in Northwestern Ontario are Treelined - graphite, Eagle Lake - soapstone and Minaki - Au, Ag, Cu, Zn, Co, U, and REE.

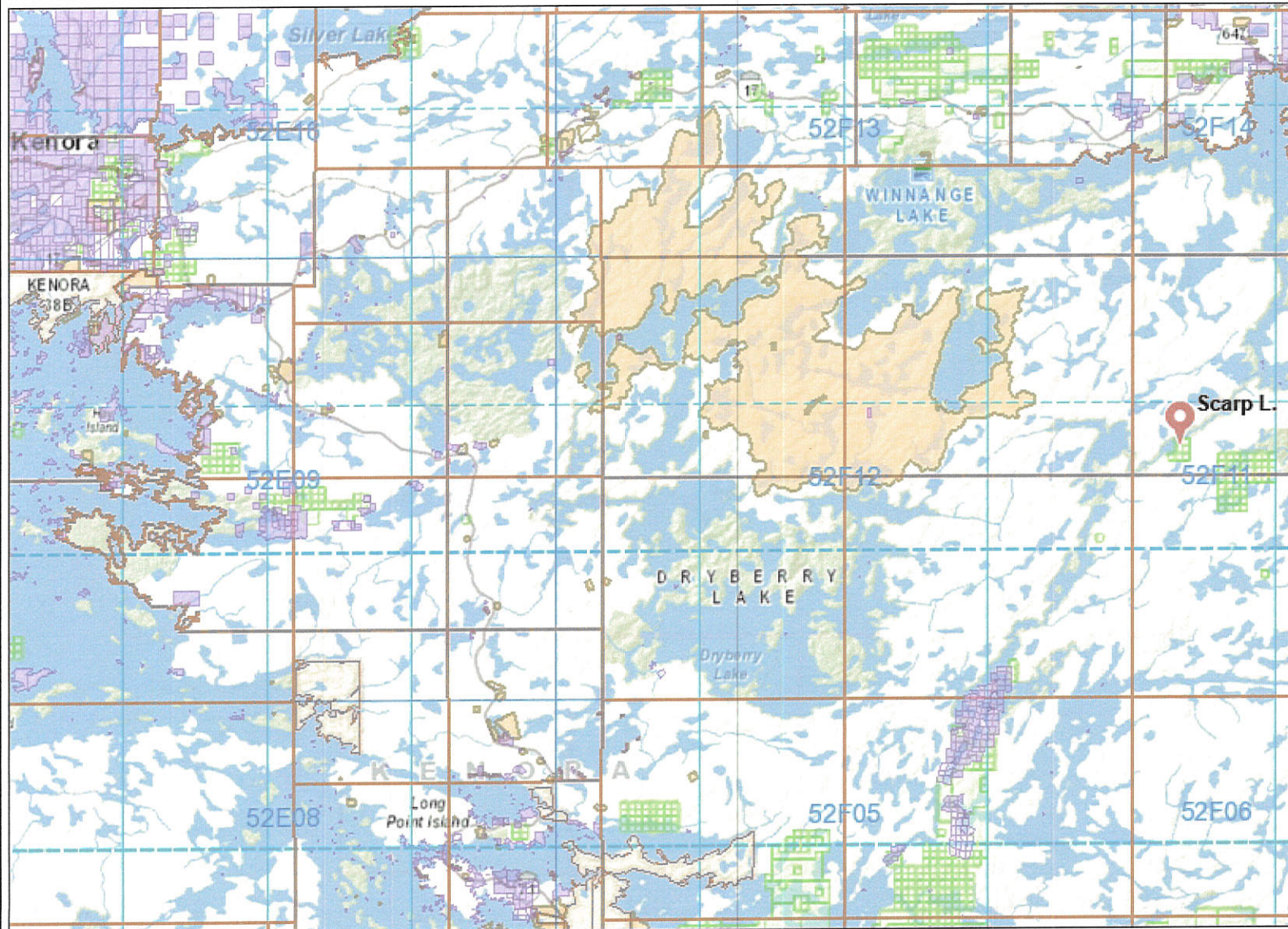
Past membership associations: Alaska Prospectors Association, Timmins Geological Discussion Group, CIM Main Branch Montreal, GAC, Ontario Geological Association (pre-P.GEO.), The U.S. Engineering and Geological Society, Toronto Engineers Club and NPA (pre-'87), OACETT and others.

Dated: July 19th, 2019

Dated At: Kenora, Ontario

**PACIFIC IRON ORE
CORPORATION'S SCARP
LAKE PROPERTY**

Notes:
FIG. #1 - REGIONAL LOCATION MAP
Garnet Bay Area G.2531
Kenora Mining Division - 10



Legend

- Provincial Grid Cell**
 - Available
 - Pending
 - Unavailable
- Mining Claim**
 - Mining Claim
 - Boundary Claim
- Alienation**
 - Withdrawal
 - Notice
- ENDM Administrative Boundaries**
 - ENDM Townships and Areas
 - Geographic Lot Fabric
 - UTM Grid 1K
 - UTM Grid 10K
 - Mining Division
 - Mineral Exploration and Development Region
 - CLUPA Protected Area - Far North
 - Resident Geologist District
 - Federal Land Other
 - Native Reserves
- AMIS Sites**
 - AMIS Sites
 - AMIS Features
 - Drill Hole
 - Mineral Occurrences
- MLAS Mining History**
 - Withdrawal - History
 - Notice - History
 - Mining Claim - History
 - Mining Land Tenure - History
 - Legacy Claim
- Provincial Grid**
 - Provincial Grid 250K
 - Provincial Grid 50K
 - Provincial Grid Group
- Land Tenure**
 - Surface Rights
 - Mining Rights
 - Mining and Surface Rights
 - Order-in-Council



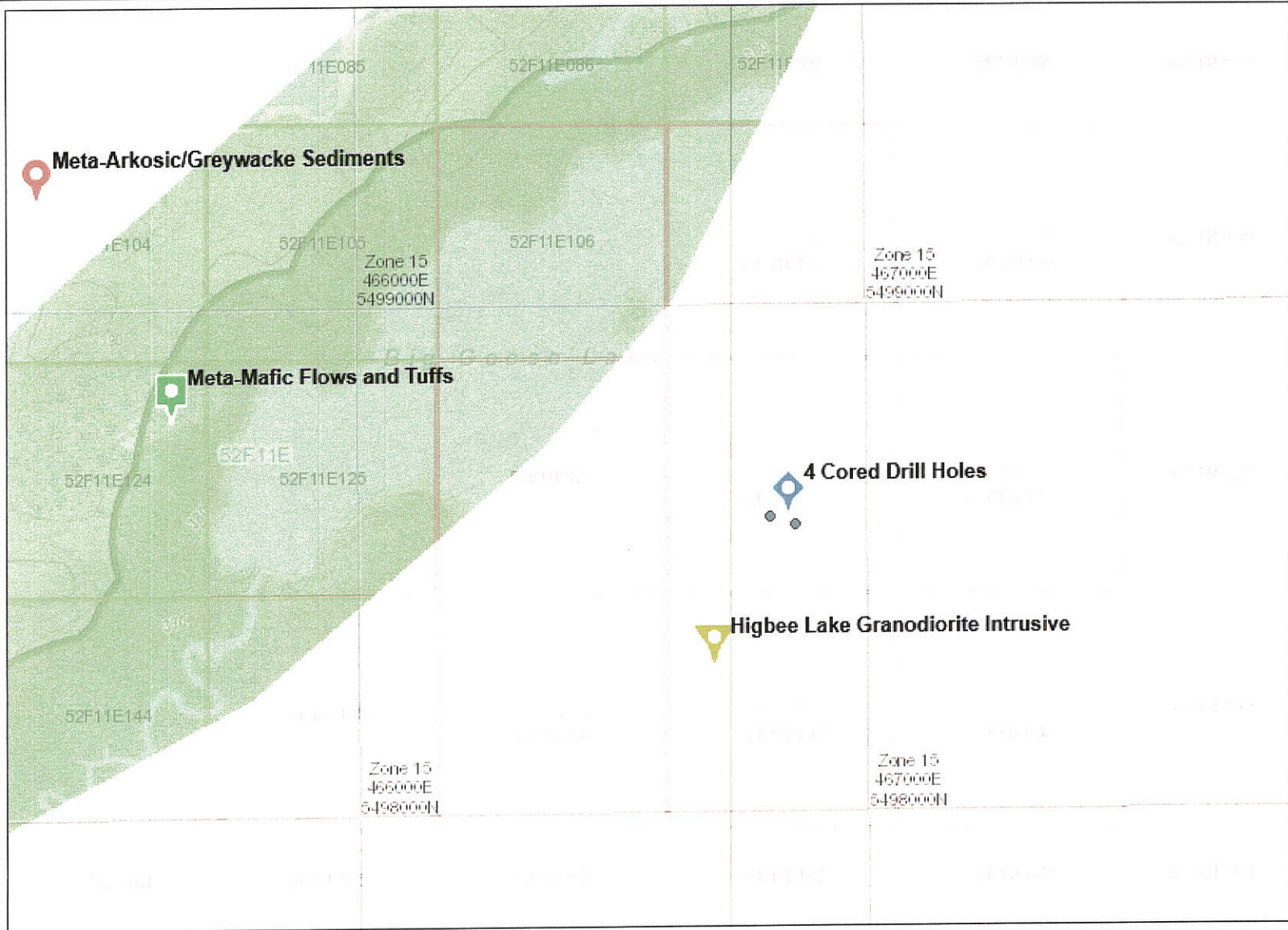
Projection: Web Mercator



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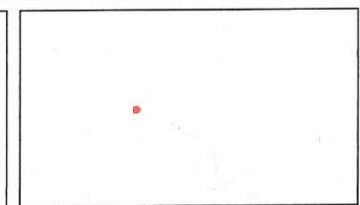


Projection: Web Mercator



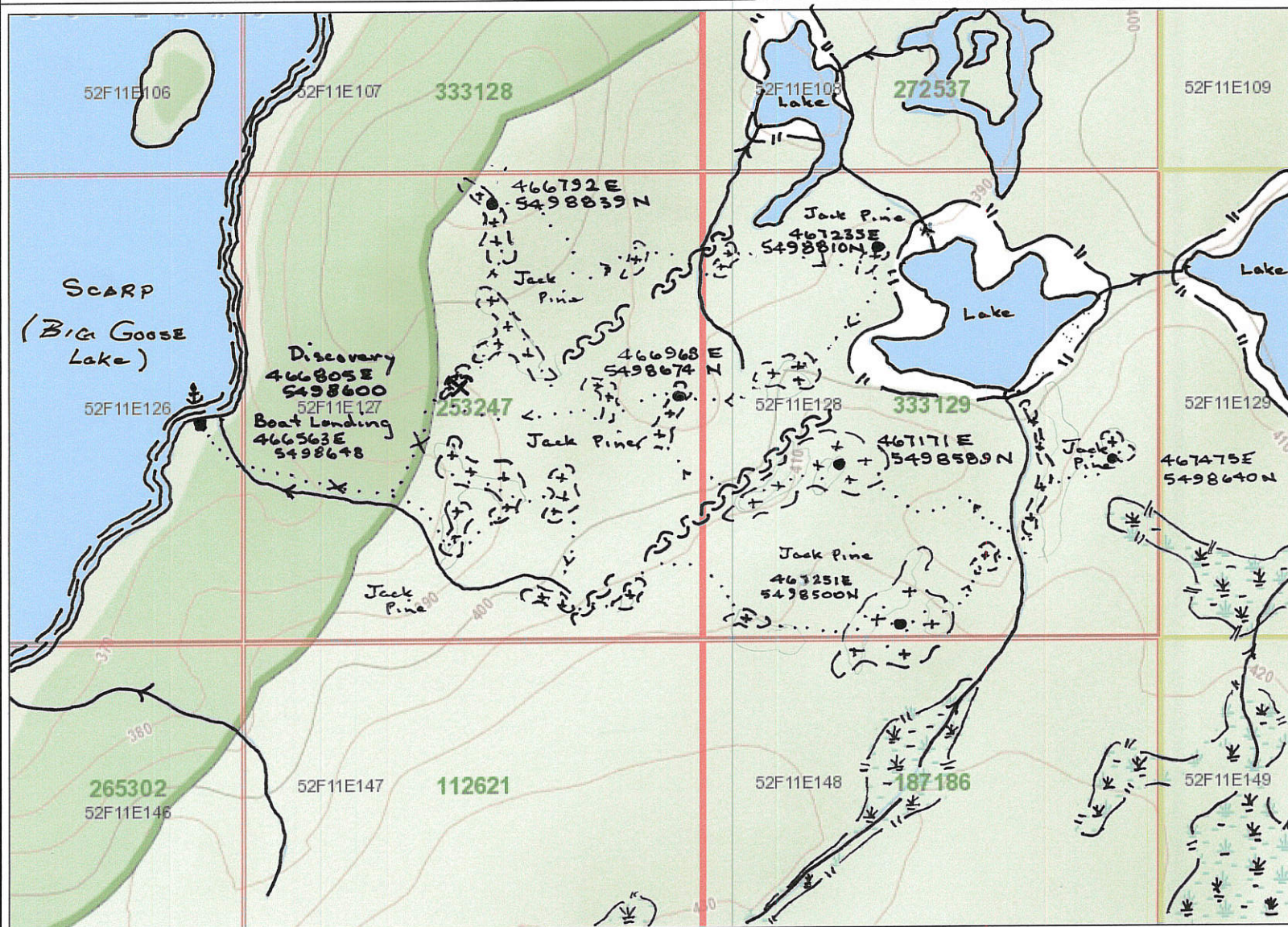
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**PACIFIC IRON ORE
CORPORATION SCARP LAKE
PROJECT**

Notes:
Fig. #4 - Geological Ground Traverse
Garnet Bay Area G.2531
Kenora Mining Division - 10



Legend

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SCARP LAKE Cu-Au-Ag PROPERTY

Garnet Bay Area G.2531
Kenora Mining Division - 10, Ontario

GEOLOGICAL LEGEND

PRECAMBRIAN
Archean

-Intrusive-

+ + "Blue quartz- Eye" Granodiorite

SYMBOLS



Prospect



Outcrop



Fault



Contour (10m intervals)



Traverse with direction



Stream



Low wet marsh/spruce swamp



GPS co-ordinate



Boat landing

(Figure #5)

XEROX Photocopy # 1: The polished rock sample was removed from the "oxidized" surface exposure at the discovery site which assayed 7.2 % Cu and 0.12 oz/t Au. The dark background is the metallic sulphides of chalcopyrite (cpy) + pyrite (py) + pyrrhotite (po). The lighter face - matrix - is the remnant decomposition (alteration) of the "blue eye" quartz porphyry/granodiorite. The result of hydrothermal activity.

- by Kenora MNDM, Geoscience Division



SCARP LAKE PROPERTY
EMERALD FIELD RESOURCES LTD.
cpy-py in silicified unit, 0.12 oz/t Au, 7.2% Cu