THESE TERMS GOVERN YOUR USE OF THIS DOCUMENT

Your use of this Ontario Geological Survey document (the "Content") is governed by the terms set out on this page ("Terms of Use"). By downloading this Content, you (the "User") have accepted, and have agreed to be bound by, the Terms of Use.

Content: This Content is offered by the Province of Ontario's *Ministry of Northern Development and Mines* (MNDM) as a public service, on an "as-is" basis. Recommendations and statements of opinion expressed in the Content are those of the author or authors and are not to be construed as statement of government policy. You are solely responsible for your use of the Content. You should not rely on the Content for legal advice nor as authoritative in your particular circumstances. Users should verify the accuracy and applicability of any Content before acting on it. MNDM does not guarantee, or make any warranty express or implied, that the Content is current, accurate, complete or reliable. MNDM is not responsible for any damage however caused, which results, directly or indirectly, from your use of the Content. MNDM assumes no legal liability or responsibility for the Content whatsoever.

Links to Other Web Sites: This Content may contain links, to Web sites that are not operated by MNDM. Linked Web sites may not be available in French. MNDM neither endorses nor assumes any responsibility for the safety, accuracy or availability of linked Web sites or the information contained on them. The linked Web sites, their operation and content are the responsibility of the person or entity for which they were created or maintained (the "Owner"). Both your use of a linked Web site, and your right to use or reproduce information or materials from a linked Web site, are subject to the terms of use governing that particular Web site. Any comments or inquiries regarding a linked Web site must be directed to its Owner.

Copyright: Canadian and international intellectual property laws protect the Content. Unless otherwise indicated, copyright is held by the Queen's Printer for Ontario.

It is recommended that reference to the Content be made in the following form:

Malczak, J. 1985. Base Metal, Molybdenum, and Base Metal Deposits of the Madoc-Sharbot Lake Area, Southern Ontario; Ontario Geological Survey, Mineral Deposit Series, Preliminary Map P.2737, scale 1:125 000.

Use and Reproduction of Content: The Content may be used and reproduced only in accordance with applicable intellectual property laws. *Non-commercial* use of unsubstantial excerpts of the Content is permitted provided that appropriate credit is given and Crown copyright is acknowledged. Any substantial reproduction of the Content or any *commercial* use of all or part of the Content is prohibited without the prior written permission of MNDM. Substantial reproduction includes the reproduction of any illustration or figure, such as, but not limited to graphs, charts and maps. Commercial use includes commercial distribution of the Content, the reproduction of multiple copies of the Content for any purpose whether or not commercial, use of the Content in commercial publications, and the creation of value-added products using the Content.

FOR FURTHER INFORMATION ON	PLEASE CONTACT:	BY TELEPHONE:	BY E-MAIL:			
The Reproduction of the Content	MNDM Publication Services	Local: (705) 670-5691 Toll-Free: 1-888-415-9845, ext. 5691 (inside Canada, United States)	Pubsales.ndm@ontario.ca			
The Purchase of MNDM Publications	MNDM Publication Sales	Local: (705) 670-5691 Toll-Free: 1-888-415-9845, ext. 5691 (inside Canada, United States)	Pubsales.ndm@ontario.ca			
Crown Copyright	Queen's Printer	Local: (416) 326-2678 Toll-Free: 1-800-668-9938 (inside Canada, United States)	Copyright@gov.on.ca			

Contact:



TRANSFORMER STRATEGY OF THE PARTY OF THE STRATE OF THE ARE STRATEGY OF THE ARE STRATEGY OF THE ARE STRATEGY OF

BAS	METALS AND PYRITE			38.	Stewart	0	Tudor	83.	Lot 34, Con IV	0	Tudor	34.	Picamine
				39.	Rose Island Zinc	0	Wollaston	84.	Lombard	0	Tudor	35.	Craig Mine
NO.	NAME	STATUS	TOWNSHIP	40.	Buckhorn Mines	0	Barrie	85.	Murphy Mine	0	Tudor	36.	Kennefic
1.	Barrie Syndicate	0	Barrie	41.	Burridge Road	0	Bedford	86.	Reelman	0	Tudor	37.	O'Donnell II
	(International)			42.	Crozier, A.	0	Bedford	87.	Roberts	0	Tudor	38.	Lot 13, Con I
2.	Buffadison	P	Barrie	43.	Crozier, Rupert,	0	Bedford	88.	Stewart	0	Tudor	39.	Mill
3	Stead (Cook)	P	Barrie	44.	Murphy, James	0	Bedford	89.	Wright	0	Tudor	40.	Ore Mountain
4	Murphy-Hickey	0	Bedford	45.	Murphy, John	0	Bedford	0000	ICHIC METAL C			41.	Pav Ore
5	Bobinson	P	Bedford	46.	Murphy, Leo	0	Bedford	PREC	IOUS METALS			42	Pay Bock
6	Thirty Island Lake	P	Bedford	47.	Patterson.	0	Bedford	1				43	Cashell Copper
7	Deer Lake	P	Belmont	48.	Hinchcliffe Lake	0	Cashel	NO.	NAME	STATUS®	TOWNSHIP	44	Lot 20. Con I
1.	Zinc-Copper-Silver	1	Dennorm	49.	Little Salmon Lake	0	Cashel	1.	O'Donnell III (N)	0	Anglesea	45	Lot 23 Con IX (Co
9	Gunter	0	Cashel	50	Trumble	0	Cashel	2.	O'Donnell I (S)	0	Anglesea	46	Lots 16 17 Con II
0.	Ardoch Zinc (Green Lake)	õ	Clarendon	51	Clarendon	õ	Clarendon	3.	Ultimate Energy and	0	Anglesea	47	Turriff
10	Wilkinson Zinc	õ	Hinchinbrooko	52	Minktrack Lake	õ	Clarendon		Resources			49	Barry
10.	Capada Mino	P	Hupgerford	53	Mississioni	Ő	Clarendon	4.	Big Dipper	P	Barrie	40.	Cobalt Erontonac
10	Canada Mille	PDD	Hungerford	54	Stalker	0	Clarendon	5.	Gough (Hardie)	0	Barrie	45.	Palmottor
12.	Hungerford Mine	PP	Hungerford	55	Swamn Crook	0	Clarendon	6.	Helena	P	Barrie	50.	Famolier
13.	Hungerford western	0	Hungerford	55.	Turtle Lake	0	Clarendon	7.	Kashwakamak	0	Barrie	51.	West Diack River
	Extension	20		50.	Lot 22 Cop III	0	Clarendon	8.	Mazinaw Base Metals	0	Barrie	52.	Ewing
14.	Ontario Sulphur Mine	PP	Hungerford	57.	Lot 23, Con III	0	Dungannon		(Mver's Cave)			53.	MITCHIE
15.	Donahue Creek	0	Kaladar	58.	Hobson Claims	0	Grimsthorpe	9.	Natto	0	Barrie	54.	Stone
16.	Spry Zinc	0	Kaladar	59.	wadsworth Lake	0	Grimsthorpe	10	Ore Chimney	P	Barrie	55.	Sophia-Miller
17.	Crowe River	P	Lake	60.	Duncan Lake	0	Hinchinbrooke	11	Star Mine	PP	Barrie	56.	Higman
18.	Katherine Lead Mine	PP	Lake	61.	Lot 33, Conc XII	0	Hungerford	12	Cordova Mine	PP	Belmont	57.	Empire
19.	Crysler Lead	P	Limerick	62.	North Brook	0	Kaladar	13	Ledvard	P	Belmont	58.	Fox
20.	Macassa Copper-Nickel	P	Limerick	63.	Big Clear Lake (Clark)	0	Kennebec	14	Boorth	Þ	Clarendon	59.	St. Joe
, 21.	Frontenac Lead Mine	PP	Loughborough	64.	Kennebec	0	Kennebec	15	Webber	0	Clarendon	60.	Campbell-Blomfie
22.	Bannockburn Pyrite Mine	PP	Madoc	65.	Lot 11, Conc II	0	Kennebec	16	lames losenh	ŏ	Elzovir	61.	Consolidated
23.	Blakely Pyrite Mine	PP	Madoc	66.	Donahue Vein	0	Lake	17	Silver King	P	Elzevir	62.	Demars
24.	Canadian Sulphur Ore	PP	Madoc	67.	Lot 8, Con X	0	Lake	10	Gilmour Mino	PP	Crimethorno	63.	Gawley No. 1
	(Wellington) Mine			68.	Steen Lake	0	Lake	10.	Addington	PP	Keleder	64.	Gawley No. 2
25.	Eldorado Copper Mine	PP	Madoc	69.	Snooks	0	Louahborouah	19.	Dama Mina	PP D	Kappahaa	65.	Gillen
26.	Hollandia Lead Mine	PP	Madoc	70.	Davis	0	Madoc	20.	Dome Mine	P	Kennebec	66.	Gladstone
27.	Bonter	P	Marmora	71.	Farrell Mine	0	Madoc	21.	, Emery	0	Kennebec	67.	Hawkeye
28.	Caverly	0	Marmora	72.	Webber	0	Madoc	22.	Gold Base	0	Kennebec	68.	Neill
29.	Myers Rusty Schist	0	Marmora	73	Methuen	Õ	Methuen	23.	MCMUrray	0	Limerick	69.	Robinson
30.	Bertrim	0	Olden	74	Macdonald F	õ	Olden	24.	Bannockburn	P	Madoc	70.	McKnight
31.	Long Lake Zinc Mine	PP	Olden	75	McKnight W M	õ	Olden	25.	Hichardson	Р	Madoc	71.	Mountain Grove
32.	Sharbot Lake Mines	P	Olden	76	Crain	0	Oso	26.	Sophia Mine	PP	Madoc	72.	Raymond, I.
	Limited			77	Foley	ő	Sheffield	27.	Ackerman	P	Marmora	73.	Bourke, R.T.
33	Smith W.I	0	Olden	78	Lot 15 W/ of Hastings	0	Tudor	28.	Cook Mine	PP	Marmora	74.	Lot 14. Con I
34	Long Point	õ	Rear of Leeds and	70.	Road	0	TUCOI	29.	Dean and Williams Mine	PP	Marmora	75.	McVeigh
01.		÷	Landsdowne	70	Lot 23 Con P	0	Tudor	30.	Deloro Mine	PP	Marmora	76	Morrow
35	Slave Lake Zinc	P	Sheffield	18.	Lot 29 Con P	0	Tudor	31.	Gatling Five Acres Mine	PP	Marmora	77	Tysick
36	Blackburn	0	Tudor	00.	Lot 20, Con B	0	Tudor	32.	Pearce Mine	PP	Marmora	78	Canadian
30.	Bameav W	õ	Tudor	01.	Lot 30, Con B	0	Tudor	33.	Sovereign Mine	PP	Marmora	79	Lot 12 Con II
37.	manisay, w.	0	14401	82.	Lot 33, Con III	0	ludor		U U			10.	20(12, 00)11



Ontario

Ministry of Natural Resources

Ontario Geological Survey MAP P.2737 Mineral Deposit Series – Preliminary Map

BASE METAL, MOLYBDENUM, AND PRECIOUS METAL DEPOSITS

MADOC - SHARBOT LAKE AREA SOUTHERN ONTARIO Scale 1:125 000

Metres 2000 0 1 2 3 4 5 6 7 8 Kilometres with the second NTS Reference: 31C

© 1985 Government of Ontario Printed in Ontario, Canada Parts of this publication may be quoted if credit is given and the material is properly referenced. This map is published with the permission of V.G. Milne, Director, Ontario Geological Survey.

OGS Geological Compilation Map: 2418



1b

NOTE

ical order.

Issued 1985

Malczak, J.

GRENVILLE SUPERGROUP

METASEDIMENTARY ROCKS

Clastic Metasedimentary Rocks

METASEDIMENTARY AND METAVOLCANIC ROCKS

3 3a Quartzose metasedimentary rocks: Leucocratic

quartzofeldspathic paragneiss; quartzite; metaconglomerate; (clean sandstone, arkosic sandstone, conglomerate with silicate matrix);

paragneiss ±biotite; foliated to gneissic amphibolite; pyroxene-hornblende gneiss; local

migmatite (veined gneiss); (feldspathic wacke,

sandstone, mafic tuffaceous sedimentary rocks,

dolomitic wacke, dolomitic shale); may include

some metasomatic or igneous amphibolites (4,

Dominantly quartz-biotite-feldspar paragneiss

sillimanite, hypersthene, muscovite; aluminous

phlogopite, brucite; ±thin interbedded quartzite; (limestone, dolomite, marl, calcarenite)

gneiss; calcsilicate marble, skarn; characterized

by diopside, tremolite, scapolite, phlogopite

thornblende, actinolite, plagioclase, biotite ±thin interbedded guartzite and conglomerate

fragments of rusty, pyritic, and graphitic gneiss; may include minor amphibolite; (pelitic

agglomerates, and minor flows; garnet - biotite -

plagioclase - quartz gneiss; locally includes graphitic pyritiferous rusty-weathering and carbonaceous black shale interbeds; (rhyolite,

1b Orthoamphibolite; quartz - epidote - plagioclase -

hornblende amphibolite; biotitic amphibole

calcsilicate gneiss; chlorite schist; massive, pillowed, foliated, layered vesicular and

fragmental flows, tuffs, and agglomerates of mafic to intermediate composition (greenstone);

gneiss; hornblende gneiss and schist;

with carbonate matrix; includes layers and

carbonates impure limestone and dolomite,

may include some orthogneiss (5c)

3b Para-amphibolite: Hornblende-plagioclase

feldspathic arenite, shale, argillaceous

3c Aluminous (pelitic) metasedimentary rocks:

containing garnet, cordierite, staurolite,

shist; (mudstone, claystone, slate, shale,

Calcareous Metasedimentary Rocks

calcareous claystone).

1a 1a Felsic pyroclastic rocks and flows; quartz -feldspar - muscovite - biotite felsic tuffs,

trachyte, rhyodacite, felsite).

Mafic to Intermediate Metavolcanic Rocks

(basalt, andesite, dacite).

a) Order in legend does not imply stratigraphic or geochronolog-

METAVOLCANIC ROCKS

Felsic Metavolcanic Rocks

2 2a Marble, dolomitic marble: May contain diopside tremolite; grossularite, wollastonite, vesuvianite,

2b Calcareous gneiss: Calcsilicate schist and

phyllite); may include subordinate tuff (1a,b)



syenite pegmatite dikes and sills.

- 5c Orthogneiss, leucocratic homogeneous quartzofeldspathic gneiss ±biotite, hornblende, hypersthene. Includes many areas of paragneiss
- EARLY MAFIC INTRUSIVE ROCKS

pyrite deposits (Cu,

Pb, Zn, Ni); (prospect

or occurrence, past

producer)

(prospect or

producer)

(Mo); (prospect or occurrence, past

producer)

.

Precious metal

deposit (Au, Ag);

occurrence, past

Molybdenum deposit

- 4 Diorite, gabbro, peridotite, pyroxenite,
- anorthosite, quartz diorite (tonalite), orthoamphibolite

YMBOL

Base metal and Geological

boundary, observed

Geological

interpreted

Syncline

Anticline

boundary, position

Fault or lineament

Compilation by J. Malczak, 1984.

Every possible effort has been made to ensure the accuracy of the information presented on this map; however, the Ontario Ministry of Natural Resources does not assume any liability for errors that may occur. Users may wish to verify critical information; sources include both the references listed here, and information on file at the Resident or Regional Geologist Office and the Mining Recorder Office nearest the map area.

This project is part of the Southeastern Ontario Geological Survey (SOGS) which was funded equally by the Federal Department of Regional Economic Expansion (DREE) and the Mineral Program of the Eastern Ontario Subsidiary Agreement.

Information from this publication may be quoted if credit is given. It is recommended that reference to this map be made in the following form:

SOURCES OF INFORMATION

Base map and legend from Ontario Geological Survey Map P.2611, Geology and Mineral Deposits of the Kingston Area, by P.W. Kingston, V.C. Papertzian, and D.A. Williams, 1985. Metric conversion factor: 1 foot = 0.3048 m.

logical Survey, Map P.2737, Mineral Deposit Series-Preliminary Map, scale 1:125 000. Compilation 1984.