

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: <Author’s last name>, <Initials> <year of publication>. <Content title>; Ontario Geological Survey, <Content publication series and number>, <total number of pages>p.

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.

Contact:

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

LES CONDITIONS CI-DESSOUS RÉGISSENT L'UTILISATION DU PRÉSENT DOCUMENT.

Votre utilisation de ce document de la Commission géologique de l'Ontario (le « contenu ») est régie par les conditions décrites sur cette page (« conditions d'utilisation »). En téléchargeant ce contenu, vous (l'« utilisateur ») signifiez que vous avez accepté d'être lié par les présentes conditions d'utilisation.

Contenu : Ce contenu est offert en l'état comme service public par le *ministère du Développement du Nord et des Mines* (MDNM) de la province de l'Ontario. Les recommandations et les opinions exprimées dans le contenu sont celles de l'auteur ou des auteurs et ne doivent pas être interprétées comme des énoncés officiels de politique gouvernementale. Vous êtes entièrement responsable de l'utilisation que vous en faites. Le contenu ne constitue pas une source fiable de conseils juridiques et ne peut en aucun cas faire autorité dans votre situation particulière. Les utilisateurs sont tenus de vérifier l'exactitude et l'applicabilité de tout contenu avant de l'utiliser. Le MDNM n'offre aucune garantie expresse ou implicite relativement à la mise à jour, à l'exactitude, à l'intégralité ou à la fiabilité du contenu. Le MDNM ne peut être tenu responsable de tout dommage, quelle qu'en soit la cause, résultant directement ou indirectement de l'utilisation du contenu. Le MDNM n'assume aucune responsabilité légale de quelque nature que ce soit en ce qui a trait au contenu.

Liens vers d'autres sites Web : Ce contenu peut comporter des liens vers des sites Web qui ne sont pas exploités par le MDNM. Certains de ces sites pourraient ne pas être offerts en français. Le MDNM se dégage de toute responsabilité quant à la sûreté, à l'exactitude ou à la disponibilité des sites Web ainsi reliés ou à l'information qu'ils contiennent. La responsabilité des sites Web ainsi reliés, de leur exploitation et de leur contenu incombe à la personne ou à l'entité pour lesquelles ils ont été créés ou sont entretenus (le « propriétaire »). Votre utilisation de ces sites Web ainsi que votre droit d'utiliser ou de reproduire leur contenu sont assujettis aux conditions d'utilisation propres à chacun de ces sites. Tout commentaire ou toute question concernant l'un de ces sites doivent être adressés au propriétaire du site.

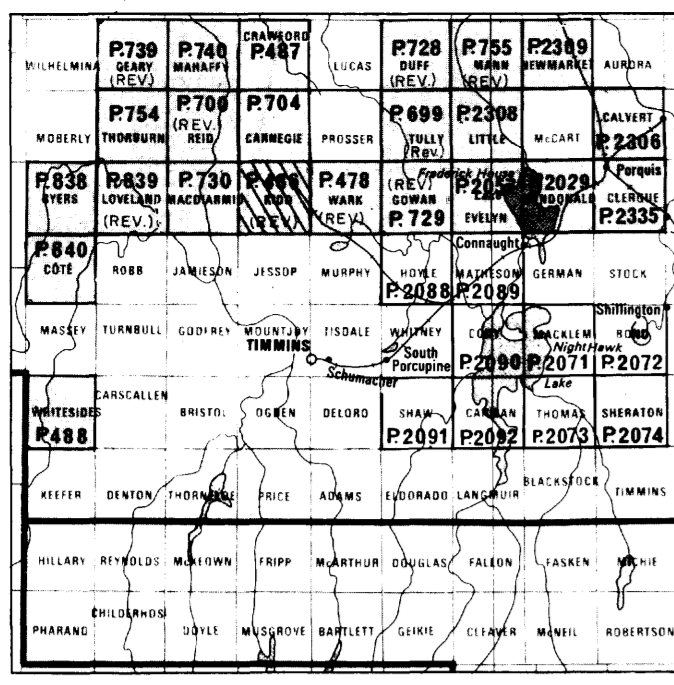
Droits d'auteur : Le contenu est protégé par les lois canadiennes et internationales sur la propriété intellectuelle. Sauf indication contraire, les droits d'auteurs appartiennent à l'Imprimeur de la Reine pour l'Ontario.

Nous recommandons de faire paraître ainsi toute référence au contenu : nom de famille de l'auteur, initiales, année de publication, titre du document, Commission géologique de l'Ontario, série et numéro de publication, nombre de pages.

Utilisation et reproduction du contenu : Le contenu ne peut être utilisé et reproduit qu'en conformité avec les lois sur la propriété intellectuelle applicables. L'utilisation de courts extraits du contenu à des fins *non commerciales* est autorisée, à condition de faire une mention de source appropriée reconnaissant les droits d'auteurs de la Couronne. Toute reproduction importante du contenu ou toute utilisation, en tout ou en partie, du contenu à des fins *commerciales* est interdite sans l'autorisation écrite préalable du MDNM. Une reproduction jugée importante comprend la reproduction de toute illustration ou figure comme les graphiques, les diagrammes, les cartes, etc. L'utilisation commerciale comprend la distribution du contenu à des fins commerciales, la reproduction de copies multiples du contenu à des fins commerciales ou non, l'utilisation du contenu dans des publications commerciales et la création de produits à valeur ajoutée à l'aide du contenu.

Renseignements :

POUR PLUS DE RENSEIGNEMENTS SUR	VEUILLEZ VOUS ADRESSER À :	PAR TÉLÉPHONE :	PAR COURRIEL :
la reproduction du contenu	Services de publication du MDNM	Local : (705) 670-5691 Numéro sans frais : 1 888 415-9845, poste 5691 (au Canada et aux États-Unis)	Pubsales@ndm.gov.on.ca
l'achat des publications du MDNM	Vente de publications du MDNM	Local : (705) 670-5691 Numéro sans frais : 1 888 415-9845, poste 5691 (au Canada et aux États-Unis)	Pubsales@ndm.gov.on.ca
les droits d'auteurs de la Couronne	Imprimeur de la Reine	Local : 416 326-2678 Numéro sans frais : 1 800 668-9938 (au Canada et aux États-Unis)	Copyright@gov.on.ca



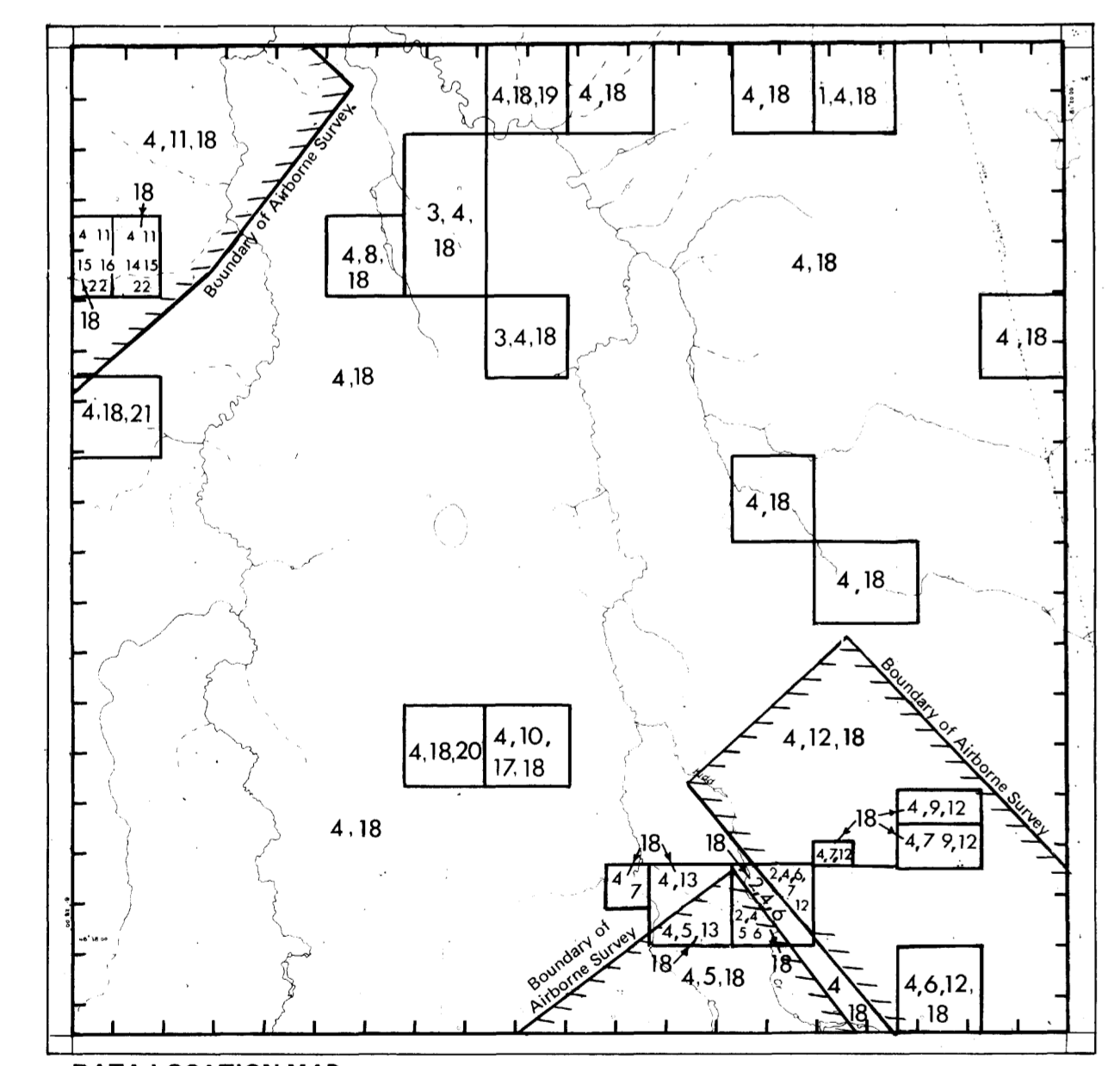
INDEX MAP Scale 1:1013760

Timmins Data Series Maps Published in this Area.
 Maps in Progress.

DATA FILED WITH THE RESIDENT GEOLOGIST ONTARIO MINISTRY OF NATURAL RESOURCES TIMMINS	TYPE OF WORK											
	DIAMOND DRILLING	FORE SAMPLES	ALTERNATING CURRENT MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	GROUND ELECTROMAGNETIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	GRAVITY	GEOCHEMICAL	TRENCHING	OTHERS
To May 1979												
1. Bellefleur Quebec Mines Ltd.	65	x										
2. Bruce-Prato Mines Ltd. (T-539)	64											65
3. Bunker Hill Extension Mines Ltd. (T-405)	64	x										64
4. Chance Mining and Exploration Co. Ltd. (T-840), (63.1389, 63.1390, 63.1391, 63.1392)	64	x	64	64	64	64						
5. Cincinnati Porcupine Mines Ltd. (T-1027), (63.1543)	65		65	65								
6. Ecess Mining Ltd. (T-1640), (2.1478)	65				73	73						
7. Geological Survey of Canada (O.F.R. 116)					74	74					71	71
8. Hollinger Mines Ltd. (T-1790), (2.2333, 2.2737)					77	77						
9. Hollinger Mines Ltd. (T-466), (2.384, 2.388)	72				71	71						
10. Hollinger Mines Ltd. (T-467), (2.376, 2.813)					70							
11. Hollinger Mines Ltd. (T-560), (2.261)					70							
12. Kewell Mining Group Ltd. (T-1104), (63.1569), (2.2112)	**	x	66	66	65	65						
13. Kirkland Minerals Corp. Ltd. (T-1433)	64	x			66	66						
14. Mattagami Lake Mines Ltd. (T-1526)	73											
15. Mattagami Lake Mines Ltd. (T-470)					70							
16. Mesapi Mines Ltd. (T-1314), (63.2687)												69
17. Probe Mines Ltd. (T-1060), (63.1732)	64	x			65	65						69
18. Texas Gulf Sulphur Co. (T-4231), (63.1378, 63.1695, 63.1835, 63.1842)	64		65	65	64	64						69
19. White Star Copper Mines Ltd. (T-1300), (63.1816)	68				64	64						69
20. Zincfields Mining Corp. Ltd. (T-1188), (63.1689)	66				64	64						64
21. Zincfields Mining Corp. Ltd. (T-1030), (63.1487, 63.1892)	66		64	64	65	65						
22. Zincfields Mining Corp. Ltd. (T-1240), (63.1870)	65		65	65	65	65						

* Dates for work are not recorded in the Regional Geologist Files. They were obtained from the Canadian Mines Handbook 1978-79.
 Locations of ODH not recorded.
 ** Date not recorded.

Note: The numbers on the above list stand for the year when the work was done, e.g., 66 for 1966. On the accompanying DATA LOCATION MAP, only areas for which work was submitted to the Ministry are outlined, and any company may hold more ground than indicated here. The numbers on the DATA LOCATION MAP and any circled numbers refer to the company above.



DATA LOCATION MAP SCALE 1:63360

SYMBOLS

- Drill hole (vertical; inclined; no log; OV - overburden depth; WD - water depth vertical depth in feet)
- Airborne electromagnetic anomaly system (unknown)
- Ground electromagnetic anomaly (VEM - Vertical loop; HEM - Horizontal loop; TUR - Turam; I.P. - Induced Polarization; VLF - Very low frequency; EM - Unspecified method)
- Shaft
- Open Pit

QUESTOR AIRBORNE ELECTROMAGNETIC SYSTEM

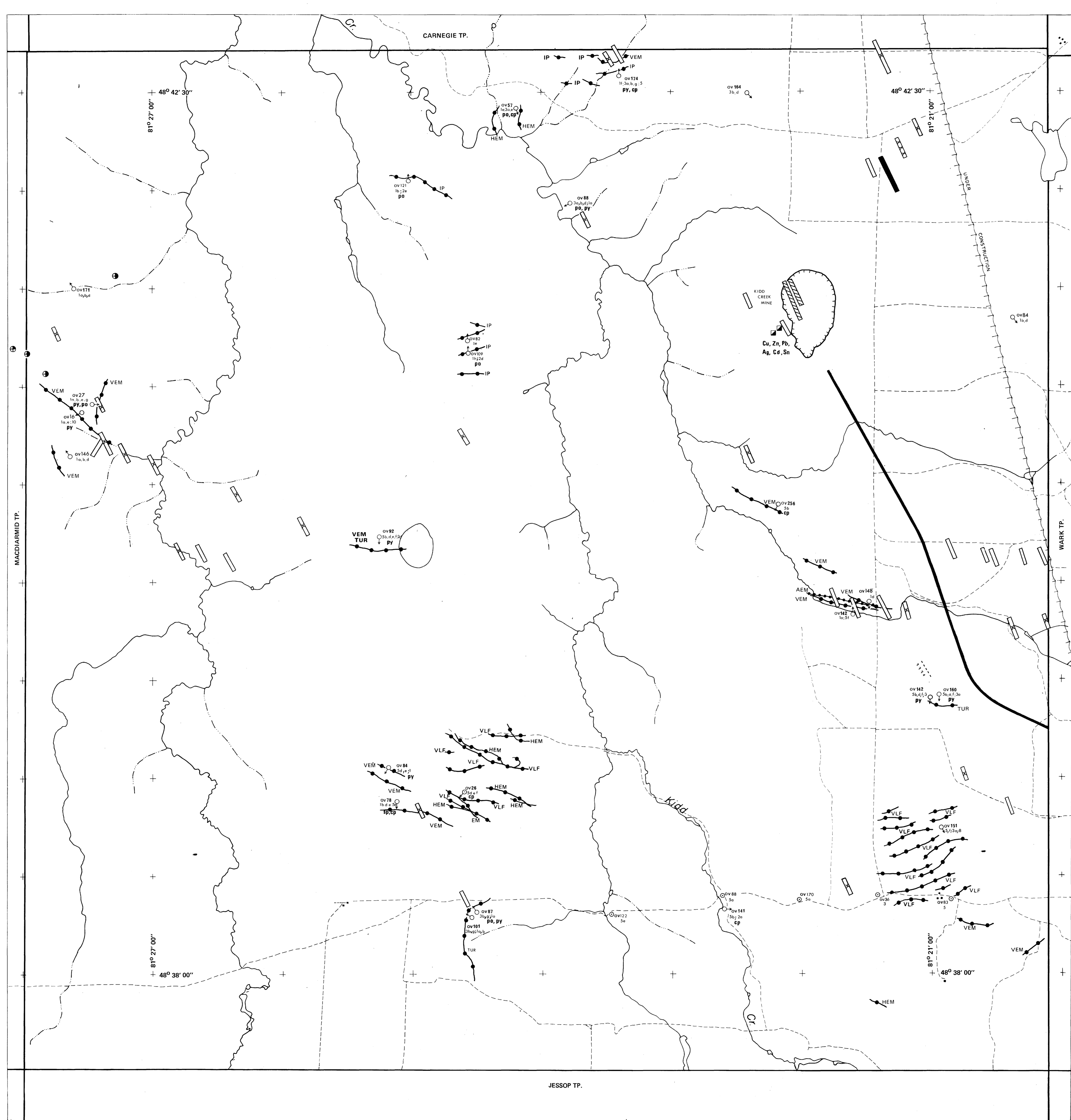
- Channel Anomaly (1-5)
- Direct Magnetic Correlation
- Flanking Magnetic Correlation
- Limits of Conductive Overburden

SPARTAN AEROMAGNETIC SYSTEM

- 1 A Anomaly
- 1 B Anomaly
- 2 A Anomaly
- 2 B Anomaly
- 3 Anomaly
- X-type Anomaly

METAL AND MINERAL ABBREVIATIONS

Ag	..... Silver	py	..... Pyrrhotite
Cd	..... Cadmium	py	..... Pyrite
cp	..... Chalcopyrite	sn	..... Tin
Cu	..... Copper	zn	..... Zinc
Pb	..... Lead		



Ministry of Natural Resources
 Ontario
 Hon. James A.C. Auld
 Minister
 Dr. J.K. Reynolds
 Deputy Minister

Ministry of Northern Affairs
 Hon. Leo Bernier
 Minister
 Art Herridge
 Deputy Minister

ONTARIO GEOLOGICAL SURVEY
 PRELIMINARY MAP P486 (REV)
 TIMMINS DATA SERIES

KIDD TOWNSHIP

DISTRICT OF COCHRANE
 Scale 1:15840

NTS Reference: 42 A/11 W
 ODM GSC Aeromagnetic Map: 298 G
 ODM Geological Compilation Map: 2205

© OMNR-OGS 1980

Parts of this publication may be quoted if credit is given and the material is properly referenced.

LEGEND*

PHANEROZOIC

CENOZOIC

QUATERNARY

PLEISTOCENE AND RECENT

Glacial drift, sand, gravel, lake, stream and swamp deposits

UNCONFORMITY

PRECAMBRIAN

MAFIC INTRUSIVE ROCKS

10 Diabase rocks

INTRUSIVE CONTACT

EARLY PRECAMBRIAN

KAPISKASING METAMORPHIC COMPLEX

9a Amphibol (pyroxene-quartz-feldspar granulite)
 9b Metabasic granulite (amphibole-pyroxene-quartz plagioclase)
 9c Leucocratic granulite (pyroxene-garnet-quartz feldspar)
 9d Metasedimentary-metavolcanic gneisses (upper amphibolite facies)

INTRUSIVE CONTACT

INTERMEDIATE TO FELSIC INTRUSIVE ROCKS

8 Unsubdivided
 8a Granite, granodiorite, quartz monzonite, trondhjemite, quartz diorite
 8b Aplite
 8c Pegmatites
 8d Syenite

INTRUSIVE OR GRADATIONAL CONTACT

MIGMATITES

7 Unsubdivided
 7a Biotite-quartz-feldspar gneiss (metasedimentary migmatite)
 7b Hornblende-quartz-feldspar gneiss (schist (metavolcanic migmatite))

MAFIC TO ULTRAMAFIC INTRUSIVE ROCKS

6 Unsubdivided
 6a Gabbro, diorite
 6b Peridotite, dunite
 6c Ultramafics and serpentinized rocks
 6d Lamprophyre dikes

INTRUSIVE CONTACT

METAVOLCANICS AND METASEDIMENTS

Metasediments

5 Unsubdivided
 5a Sandstone, arkose, quartzite
 5b Wacke
 5c Conglomerate
 5d Siltstone, argillite, shale
 5e Slate
 5f Graphitic metasediments
 5g Chert
 5h Ferruginous chert

Metavolcanics

4 Unsubdivided
 4a Pyroclastics, ash to agglomerate
 4b Flow

Felsic Metavolcanics

3 Unsubdivided
 3a Ash, lapilli, tuff
 3b Breccia to agglomerate fragments
 3c Dikes and stocks (quartz-feldspar)
 3d Flow, massive to foliated
 3e Flow, pillowed to amygdaloidal
 3f Flow, porphyritic
 3g Graphitic horizon
 3h Carbonatized horizon

Intermediate Metavolcanics

2 Unsubdivided
 2a Ash, lapilli, tuff
 2b Breccia to agglomerate fragments
 2c Dike
 2d Flow, massive to foliated
 2e Flow, pillowed to amygdaloidal
 2f Flow, porphyritic
 2g Graphitic horizon
 2h Carbonatized horizon

Mafic Metavolcanics

1 Unsubdivided
 1a Ash, lapilli, tuff
 1b Breccia to agglomerate fragments
 1c Dike
 1d Flow, massive to foliated
 1e Flow, pillowed to amygdaloidal
 1f Flow, porphyritic
 1g Graphitic horizon
 1h Carbonatized horizon
 1i Amphibolite, amphibolic schist
 1k Ultramafic flow, spinifex

IF IRON FORMATION

*This legend is in part derived from Geological Map P.673, Operation Chapleau, by P. C. Thurston, et al., 1971.

NOTES

Due to complexities, geological units are recorded in order of relative abundance of occurrence.

SOURCES OF INFORMATION

Compiled by D.S. Hunt, J.A. Richard and E.J. Carey 1979 from data on file at Resident Geologist's office, Ontario Ministry of Natural Resources, Timmins.
 Information filed as of May 1979

Base map derived from the Forest Resources Inventory maps, Lands and Waters Group, Ontario Ministry of Natural Resources.
 Skinner, R.G.
 1972. Drift Prospecting in the Abitibi Clay Belt: Overburden Drilling Program. Methods and Costs. Geological Survey of Canada Open File Report 116.

Canadian Mines Handbook 1978-79.
 Northern Miner Press Ltd.

Metric Conversion Factor - 1 foot = 0.3048m

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's office and the Mining Recorder's office nearest the map area.

This compilation project is part of the Northern Ontario Geological Survey program and is funded by the Ontario Ministry of Northern Affairs.

Hunt, D.S., Richard, J.A. and Carey, E.J. 1980: Kidd Township, District of Cochrane; Ontario Geological Survey Prelim. Map P.486 Rev. Timmins Data Series Scale 1:15840 or 1 inch to 1/4 mile. Data compiled 1979.

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:
 Ontario Geological Survey Prelim. Map P.486 Rev. Timmins Data Series Scale 1:15840 or 1 inch to 1/4 mile. Data compiled 1979.

Issued 1980

JESSOP TP.