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Natural  
Resources

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Minister

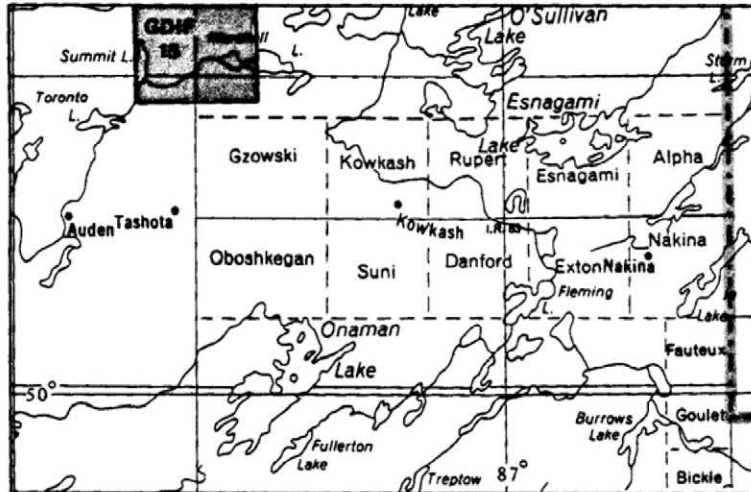
W.T. Foster  
Deputy Minister

ONTARIO GEOLOGICAL SURVEY  
GEOLOGICAL DATA INVENTORY FOLIO  
GDIF 15

# SUMMIT LAKE AREA

DISTRICT OF THUNDER BAY

Compiled by the Staff of  
the Resident Geologist's Office,  
Thunder Bay



LOCATION MAP

Scale 1:1 013 760 or 1 inch to 16 miles

NTS Number 42 L/05 NE

Mining Claim Map Number M. 1406

This project was funded equally by the governments of Canada and Ontario under the Northern Ontario Rural Development Agreement (NORDA).

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

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Original Compilation by: A. A. Speed

| Date | Page Revised | Revised by | Date | Page Revised | Revised by |
|------|--------------|------------|------|--------------|------------|
|      |              |            |      |              |            |

SUMMIT LAKE AREA

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## ACCOMPANYING MAPS

Property Location Map - 1 map

Exploration Data Map - 1 map

Map Scale 1: 31 680 or 1 inch to ½ mile

## CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

| <b>CONVERSION FROM SI TO IMPERIAL</b> |                      |                              | <b>CONVERSION FROM IMPERIAL TO SI</b> |                        |                 |
|---------------------------------------|----------------------|------------------------------|---------------------------------------|------------------------|-----------------|
| <i>SI Unit</i>                        | <i>Multiplied by</i> | <i>Gives</i>                 | <i>Imperial Unit</i>                  | <i>Multiplied by</i>   | <i>Gives</i>    |
| <b>LENGTH</b>                         |                      |                              |                                       |                        |                 |
| 1 mm                                  | 0.039 37             | inches                       | 1 inch                                | <b>25.4</b>            | mm              |
| 1 cm                                  | 0.393 70             | inches                       | 1 inch                                | <b>2.54</b>            | cm              |
| 1 m                                   | 3.280 84             | feet                         | 1 foot                                | <b>0.304 8</b>         | m               |
| 1 m                                   | 0.049 709 7          | chains                       | 1 chain                               | 20.116 8               | m               |
| 1 km                                  | 0.621 371            | miles (statute)              | 1 mile (statute)                      | <b>1.609 344</b>       | km              |
| <b>AREA</b>                           |                      |                              |                                       |                        |                 |
| 1 cm <sup>2</sup>                     | 0.155 0              | square inches                | 1 square inch                         | <b>6.451 6</b>         | cm <sup>2</sup> |
| 1 m <sup>2</sup>                      | 10.763 9             | square feet                  | 1 square foot                         | <b>0.092 903 04</b>    | m <sup>2</sup>  |
| 1 km <sup>2</sup>                     | 0.386 10             | square miles                 | 1 square mile                         | 2.589 988              | km <sup>2</sup> |
| 1 ha                                  | 2.471 054            | acres                        | 1 acre                                | 0.404 685 6            | ha              |
| <b>VOLUME</b>                         |                      |                              |                                       |                        |                 |
| 1 cm <sup>3</sup>                     | 0.061 02             | cubic inches                 | 1 cubic inch                          | <b>16.387 064</b>      | cm <sup>3</sup> |
| 1 m <sup>3</sup>                      | 35.314 7             | cubic feet                   | 1 cubic foot                          | 0.028 316 85           | m <sup>3</sup>  |
| 1 m <sup>3</sup>                      | 1.308 0              | cubic yards                  | 1 cubic yard                          | 0.764 555              | m <sup>3</sup>  |
| <b>CAPACITY</b>                       |                      |                              |                                       |                        |                 |
| 1 L                                   | 1.759 755            | pints                        | 1 pint                                | 0.568 261              | L               |
| 1 L                                   | 0.879 877            | quarts                       | 1 quart                               | 1.136 522              | L               |
| 1 L                                   | 0.219 969            | gallons                      | 1 gallon                              | <b>4.546 090</b>       | L               |
| <b>MASS</b>                           |                      |                              |                                       |                        |                 |
| 1 g                                   | 0.035 273 96         | ounces (avdp)                | 1 ounce (avdp)                        | 28.349 523             | g               |
| 1 g                                   | 0.032 150 75         | ounces (troy)                | 1 ounce (troy)                        | <b>31.103 476 8</b>    | g               |
| 1 kg                                  | 2.204 62             | pounds (avdp)                | 1 pound (avdp)                        | <b>0.453 592 37</b>    | kg              |
| 1 kg                                  | 0.001 102 3          | tons (short)                 | 1 ton (short)                         | <b>907.184 74</b>      | kg              |
| 1 t                                   | 1.102 311            | tons (short)                 | 1 ton (short)                         | <b>0.907 184 74</b>    | t               |
| 1 kg                                  | 0.000 984 21         | tons (long)                  | 1 ton (long)                          | <b>1016.046 908 8</b>  | kg              |
| 1 t                                   | 0.984 206 5          | tons (long)                  | 1 ton (long)                          | <b>1.016 046 908 8</b> | t               |
| <b>CONCENTRATION</b>                  |                      |                              |                                       |                        |                 |
| 1 g/t                                 | 0.029 166 6          | ounce (troy)/<br>ton (short) | 1 ounce (troy)/<br>ton (short)        | 34.285 714 2           | g/t             |
| 1 g/t                                 | 0.583 333 33         | pennyweights/<br>ton (short) | 1 pennyweight/<br>ton (short)         | 1.714 285 7            | g/t             |

### OTHER USEFUL CONVERSION FACTORS

|                            |      |                          |
|----------------------------|------|--------------------------|
| 1 ounce (troy)/ton (short) | 20.0 | pennyweights/ton (short) |
| 1 pennyweight/ton (short)  | 0.05 | ounce (troy)/ton (short) |

One gram (g) per tonne is equivalent to one part per million (1 ppm).

**NOTE**—Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

# DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this map. If no reference data was found, the appropriate box is marked 'no'; if reference was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

| SOURCES OF DATA |  | Data | Initial      |
|-----------------|--|------|--------------|
| 1               | Resident Geologist's Office Files  | Yes  | AAS Apr. '82 |
| 2               | Assessment Files Research Office, Toronto                                |      |              |
| 3               | ODM General Index; 7 volumes   | Yes  | AAS Aug. '82 |
| 4               | Catalogue of Airborne Geophysical Surveys (ODM)                          | Yes  | AAS July '82 |
| 5               | ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars       | Yes  | AAS July '82 |
| 6               | ODM Industrial Mineral Reports   | No   | AAS Aug. '82 |
| 7               | Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)              |      |              |
| 8               | Bibliography of Precambrian Theses - Ginn (ODM MP 2)                     | No   | AAS July '82 |
| 9               | Newspaper Clippings File   |      |              |
| 10              | GSC Index to Publications  |      |              |
| 11              | OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77 | Yes  | AAS July '82 |
| 12              | OGS Index Maps   | Yes  | AAS July '82 |
| 13              | Source Mineral Deposit Records (O.G.S.)                                  | No   | AAS July '82 |
| 14              | Author - Subject Articles File   |      |              |
| 15              | Miscellaneous Papers: ODM & OGS  | No   | AAS Aug. '82 |
| 16              | ODM Geological Circulars: OGS Study Series                               | No   | AAS Aug. '82 |
| 17              | ODM Preliminary Reports: ODM Bulletins                                   | No   | AAS July '82 |
| 18              | ODM - OGS Open File Reports  | No   | AAS July '82 |
| 19              | OGS Northern Ontario Engineering Geology Terrain Studies                 | Yes  | AAS July '82 |
| 20              | OGS Aggregate Resources Inventory Papers                                 | No   | AAS July '82 |
| 21              | OGS Mineral Potential Maps   | Yes  | AAS July '82 |
|                 |  |      |              |

# METALS AND MINERALS REFERENCES LIST

|                               |                                |                                |                        |
|-------------------------------|--------------------------------|--------------------------------|------------------------|
| Δ anh.....Anhydrite           | Δ fu.....Fuchsite              | Δ Ni.....Nickel                | Δ st.....Stone         |
| Δ ank.....Ankerite            | Δ gn.....Galena                | Δ Nb.....Niobium               | Δ talc.....Talc        |
| Δ anna.....Annabergite        | Δ gt.....Garnet                | Δ Pd.....Palladium             | Δ Te.....Tellurium     |
| Δ ap.....Apatite              | Δ goe.....Goethite             | Δ peat.....Peat                | Δ td.....Tetradhrite   |
| Δ arg.....Argentite           | ▲ Au.....Gold                  | Δ pent.....Pentlandite         | Δ th.....Thorite       |
| Δ As.....Arsenic              | Δ gf.....Graphite              | Δ Pt.....Platinum              | Δ Th.....Thorium       |
| Δ asp.....Arsenopyrite        | Δ gl.....Gravel                | ▲ py.....Pyrite                | Δ thuc.....Thucholite  |
| Δ asb.....Asbestos            | Δ gyp.....Gypsum               | Δ pyl.....Pyrochlore           | Δ ti.....Titanite      |
| Δ ba.....Barite               | Δ hem.....Hematite             | Δ pyrl.....Pyrolusite          | Δ Ti.....Titanium      |
| Δ be.....Beryl                | Δ il.....Ilmenite              | ▲ po.....Pyrrhotite            | Δ tour.....Tourmaline  |
| Δ Bi.....Bismuth              | Δ Fe.....Iron                  | Δ q.....Quartz                 | Δ trap.....Trap rock   |
| Δ bn.....Bornite              | Δ IF.....Iron Formation        | Δ qv.....Quartz carbonate vein | Δ W.....Tungsten       |
| Δ bran.....Brannerite         | Δ jas.....Jasper               | Δ ra.....Radioactive minerals  | Δ uran.....Uraninite   |
| Δ bruc.....Brucite            | Δ kaol.....Kaolinite (kaolin)  | Δ RE.....Rare Earths           | Δ U.....Uranium        |
| Δ Cd.....Cadmium              | Δ ky.....Kyanite               | Δ sd.....Sand                  | Δ verm.....Vermiculite |
| Δ calc.....Calcite            | ▲ Pb.....Lead                  | Δ sgl.....Sand and gravel      | Δ Y.....Yttrium        |
| Δ carb.....Carbonate          | Δ lim.....Limonite             | Δ ss.....Sandstone             | ▲ Zn.....Zinc          |
| Δ cel.....Celestite           | Δ Li.....Lithium               | Δ scap.....Scapolite           | Δ zr.....Zircon        |
| Δ cc.....Chalcocite           | Δ mgst.....Magnesite           | Δ shee.....Scheelite           |                        |
| ▲ cp.....Chalcopyrite         | ▲ mag.....Magnetite            | Δ serp.....Serpentine          |                        |
| Δ ch.....Chert                | Δ mc.....Malachite             | Δ sh.....Shale                 |                        |
| Δ clay.....Clay               | Δ Mn.....Manganese             | Δ sid.....Siderite             |                        |
| Δ Co.....Cobalt               | Δ mb.....Marble                | Δ si.....Silica                |                        |
| Δ cob.....Cobaltite           | Δ mar.....Marcasite            | ▲ Ag.....Silver                |                        |
| ▲ cb.....Columbite            | Δ ma.....Marl                  | Δ sl.....Slate                 |                        |
| Δ Cu.....Copper               | Δ mi.....Mica                  | Δ sm.....Smalrite              |                        |
| Δ cor.....Corundum            | Δ ml.....Millerite             | Δ sod.....Sodalite             |                        |
| Δ dol.....Dolomite            | Δ mo.....Molybdenite           | Δ spec.....Specularite         |                        |
| Δ ep.....Epidote              | Δ Mo.....Molybdenum            | Δ sp.....Sphalerite            |                        |
| Δ ery.....Erythrite           | Δ mon.....Monazite             | Δ spd.....Spodumene            |                        |
| Δ fel.....Feldspar            | Δ ne.....Nephelite (nepheline) | Δ staur.....Staurolite         |                        |
| Δ fl.....Fluorite (fluorspar) | Δ nc.....Nicolite              | Δ stib.....Stibnite            |                        |

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

| MINERAL OCCURRENCES |                      | Source Mineral Deposit Record | References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports | Additional References and/or Remarks   |
|---------------------|----------------------|-------------------------------|---|--|
|                     |                      |                               |   |  |
| A.                  | Summit Lake Prospect | 000985                        | ODM, 1968, MRC 11, pp. 438-439  | ODM, 1968, MRC 11, pp. 438-439.<br>ODM, Toronto Assess. Files Research Offices, File 63.1177 Mineral Resources Branch, Ottawa, File Fe 1 42 L/5 Summit Lake Group, Nov. 1962 |

| TYPE OF WORK   |  | Numbers below represent the year in which the work was done; e.g., 68 for 1968. |   |                         |          |                |                  |                                      |                          |                             |                         |                        |                           |                       |                         |                |             |                 |  |
|--|--|---|---|-------------------------|----------|----------------|------------------|--------------------------------------|--------------------------|-----------------------------|-------------------------|------------------------|---------------------------|-----------------------|-------------------------|----------------|-------------|-----------------|--|
|  |  | GEOLOGICAL  | GEOCHEMICAL   | TRENCHING,<br>STRIPPING | DRILLING | ASSAY DATA     | UNDERGROUND WORK | PROSPECTUS, NOTES,<br>CORRESPONDENCE | AIRBORNE<br>MAGNETOMETER | AIRBORNE<br>ELECTROMAGNETIC | AIRBORNE<br>RADIOMETRIC | GROUND<br>MAGNETOMETER | GROUND<br>ELECTROMAGNETIC | GROUND<br>RADIOMETRIC | INDUCED<br>POLARIZATION | SELF POTENTIAL | RESISTIVITY |                 |  |
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|  |  | 1   | Bagdad Exploration<br>Partnership (Beaton, W.D.)                            |                         |          |                |                  |                                      |                          |                             |                         |                        |                           |                       |                         |                |             |                 |  |
|  |  | 2   | Bouch, W.H.   |                         |          | 55             |                  |                                      |                          |                             |                         |                        |                           |                       |                         |                |             |                 |  |
|  |  | 3   | Callinan Flin-Flon Mines<br>Limited   |                         |          |                |                  |                                      |                          |                             |                         |                        |                           |                       |                         |                |             | 55 <sup>1</sup> |  |
|  |  | 4   | Consolidated Marbenor<br>Mines Limited (Marbenor<br>Malartic Mines Limited) |                         |          | 55             |                  |                                      |                          |                             |                         |                        |                           | 55 <sup>2</sup>       |                         |                |             |                 |  |
|  |  | 5   | Corporation Falconbridge<br>Copper  | 81                      |          |                |                  |                                      |                          | 81                          | 81                      |                        |                           |                       |                         |                |             |                 |  |
|  |  | 6   | Feeley, V.  |                         |          |                | 65               |                                      |                          |                             |                         |                        |                           |                       |                         |                |             |                 |  |
|  |  | 7   | Feeley, V.  |                         |          |                | 68               |                                      |                          |                             |                         |                        |                           |                       |                         |                |             |                 |  |
|  |  | 8   | Giant Gripp Mines Inc.<br>(St. Joseph Explorations<br>Limited Option)       |                         |          | 75<br>76<br>74 |                  |                                      |                          |                             |                         |                        | 73                        |                       |                         |                | 76          |                 |  |
|  |  | 9   | Giant Gripp Mines Inc.<br>(Imperial Oil Limited<br>Option)                  | 76                      | 76       | 75<br>77<br>78 |                  | 76                                   |                          |                             |                         |                        |                           |                       |                         |                |             |                 |  |
| 10   | Giant Gripp Mines Inc.<br>(Imperial Oil Limited<br>Option) |   |   |                         |          |                |                  |                                      |                          |                             |                         |                        |                           |                       |                         |                | 76          |                 |  |

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|--|---|---|-------------|-------------------------|----------|------------|------------------|--------------------------------------|--------------------------|-----------------------------|-------------------------|------------------------|---------------------------|-----------------------|-------------------------|----------------|------------------------------|
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| EXPLORATION DATA<br>filed at the<br>RESIDENT GEOLOGIST'S OFFICE<br>Thunder Bay             | COMPANY/AUTHOR<br>(file number)                                   |   |             |                         |          |            |                  |                                      |                          |                             |                         |                        |                           |                       |                         |                |                              |
|  | 11 Giant Gripp Mines Inc.<br>(St. Joseph Explorations<br>Limited) |   | 75          | 74<br>75                |          |            |                  |                                      |                          |                             |                         | 74                     |                           |                       |                         |                |                              |
| 12 Gonzales, C.  |   |   | 73          |                         |          |            |                  |                                      |                          |                             |                         |                        |                           |                       |                         |                |                              |
| 13 Jacobus Mining Company  |   |   | 62          |                         |          |            |                  |                                      |                          |                             | 62                      | 62                     |                           |                       |                         |                |                              |
| 14 Kendon Copper Mines Limited   |   |   |             | 68<br>69<br>70          |          |            | 66<br>68<br>69   |                                      |                          |                             |                         |                        |                           |                       |                         | 68<br>69       |                              |
| 15 Kennco Explorations<br>(Canada) Limited   |   |   |             |                         |          |            |                  | 52 <sup>1</sup>                      |                          |                             |                         |                        |                           |                       |                         |                |                              |
| 16 Koosel, F.  |   |   | 70          |                         |          |            |                  |                                      |                          |                             | 70                      | 70                     |                           |                       |                         |                |                              |
| 17 Marshall Lake Mines   |   |   |             | 63<br>65                |          |            |                  |                                      |                          |                             |                         |                        |                           |                       |                         |                |                              |
| 18 Mattagami Lake Mines<br>Limited and Terra Nova<br>Explorations Limited<br>Joint Venture | 77  |   |             | 79                      |          |            |                  |                                      |                          |                             | 77                      | 77                     |                           |                       |                         |                |                              |
| 19 Min-Ore Mines Limited   |   |   |             | 62                      |          |            |                  |                                      |                          |                             | 55                      | 55                     |                           |                       |                         |                |                              |
| 20 New Goldvue Mines Limited   | 55  |   |             | 55                      | 55       |            |                  |                                      |                          |                             |                         |                        |                           |                       |                         |                |                              |

| TYPE OF WORK  |                                   | Numbers below represent the year in which the work was done; e.g., 68 for 1968. |             |                         |          |            |                  |                                      |                          |                             |                         |                        |                           |                       |                         |                               |                              |
|---|-----------------------------------|---|-------------|-------------------------|----------|------------|------------------|--------------------------------------|--------------------------|-----------------------------|-------------------------|------------------------|---------------------------|-----------------------|-------------------------|-------------------------------|------------------------------|
|   |                                   | GEOLOGICAL  | GEOCHEMICAL | TRENCHING,<br>STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES,<br>CORRESPONDENCE | AIRBORNE<br>MAGNETOMETER | AIRBORNE<br>ELECTROMAGNETIC | AIRBORNE<br>RADIOMETRIC | GROUND<br>MAGNETOMETER | GROUND<br>ELECTROMAGNETIC | GROUND<br>RADIOMETRIC | INDUCED<br>POLARIZATION | SELF-POTENTIAL<br>RESISTIVITY | RESISTIVITY<br>Other Reports |
| EXPLORATION DATA<br>filed at the<br>RESIDENT GEOLOGIST'S OFFICE<br>Thunder Bay                      | COMPANY/AUTHOR<br>(file number)   |   |             |                         |          |            |                  |                                      |                          |                             |                         |                        |                           |                       |                         |                               |                              |
|   | 21 N.W.T. Copper Mines<br>Limited |   |             |                         | 68<br>69 |            |                  |                                      |                          |                             |                         |                        |                           |                       |                         |                               | 69                           |
| 22 Ourgold Mining Company<br>Limited  |                                   |   |             |                         |          |            | 63               |                                      |                          |                             |                         |                        |                           |                       |                         |                               |                              |
| 23 Panther International<br>Mining Company (Panther<br>Mines Limited)                               |                                   |   |             | 58<br>59                |          |            | 58<br>59         | 3                                    |                          |                             |                         |                        |                           |                       |                         | 58<br>59                      |                              |
| 24 Price Company, (The)<br>(Mattagami Lake Mines<br>Limited Joint Venture)                          |                                   |   |             |                         |          |            |                  |                                      |                          |                             |                         |                        |                           | 78<br>79              |                         |                               |                              |
| 25 Prospectors Airways<br>Company Limited   |                                   |   |             | 55                      |          |            |                  |                                      |                          |                             | 55                      | 55                     |                           |                       |                         |                               |                              |
| 26 Reid, G. (Marshall Lake<br>Mines Property)   |                                   |   |             | 67                      |          |            |                  |                                      |                          |                             |                         |                        |                           |                       |                         |                               |                              |
| 27 Silver Millar Mines Ltd.   |                                   |   |             |                         |          |            |                  |                                      |                          |                             |                         |                        |                           |                       | 55                      |                               |                              |
| 28 Stewart Lake Iron Mines of<br>Ontario (Panther<br>International Mining<br>Company Joint Venture) |                                   |   |             | 59                      |          |            |                  |                                      |                          |                             |                         |                        |                           |                       |                         |                               |                              |
| 29 <del>Tashtek Mines Limited</del>   |                                   |   |             |                         |          |            | 55               |                                      |                          |                             |                         |                        |                           |                       |                         | 55                            |                              |

# TYPE OF WORK

Numbers below represent the year in which the work was done; e.g., 68 for 1968.

| EXPLORATION DATA<br>filed at the<br>RESIDENT GEOLOGIST'S OFFICE<br>Thunder Bay | COMPANY/AUTHOR<br>(file number)     | LOGICAL  | GEOCHEMICAL | TRENCHING,<br>STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES,<br>CORRESPONDENCE | AIRBORNE<br>MAGNETOMETER | AIRBORNE<br>ELECTROMAGNETIC | AIRBORNE<br>RADIOMETRIC | GROUND<br>MAGNETOMETER | GROUND<br>ELECTROMAGNETIC | GROUND<br>RADIOMETRIC | INDUCED<br>POLARIZATION | SELF POTENTIAL | RESISTIVITY |
|--|-------------------------------------|--|-------------|-------------------------|----------|------------|------------------|--------------------------------------|--------------------------|-----------------------------|-------------------------|------------------------|---------------------------|-----------------------|-------------------------|----------------|-------------|
|  |                                     | GEOL   | GEO         | TREN                    | DRIL     | ASSA       | UNDR             | PROS                                 | AIRB                     | AIRB                        | AIRB                    | GRND                   | GRND                      | GRND                  | INDU                    | SELF           | RESI        |
|  | Teck Corporation Limited            |  |             |                         | 55<br>61 |            |                  |                                      |                          |                             |                         |                        |                           |                       |                         |                |             |
|  | Teck Corporation Limited            |  |             |                         |          |            |                  |                                      |                          |                             |                         | 70                     | 70                        |                       |                         | 70             |             |
|  | Texasgulf Canada Limited            |  |             |                         |          |            |                  |                                      | 80                       | 80 <sup>4</sup>             |                         |                        |                           |                       |                         |                |             |
|  | United New Fortune Mines<br>Limited |  |             |                         | 62       |            |                  |                                      |                          |                             |                         |                        |                           |                       |                         |                | 55          |
|  | Yellowknife Bear Mines<br>Limited   |  |             |                         |          |            |                  |                                      |                          |                             |                         |                        |                           |                       |                         |                |             |
|  | Ontario Geological<br>Survey        |  |             |                         |          |            |                  |                                      | 77<br>78                 |                             |                         |                        |                           |                       |                         |                |             |
|  | Corp. Falconbridge Copper           |  |             |                         |          |            |                  |                                      |                          |                             |                         | 81                     | 81                        |                       |                         |                |             |
| NOTES:   |                                     | <p>1. No anomalies on this map.<br/>                 2. Electromagnetic survey map only - no report - method of survey unknown.<br/>                 3. Airborne magnetometer survey only - no report. Year of survey unknown - survey covers entire map-area.<br/>                 4. Airborne electromagnetic anomalies fall outside of company's claim block.</p> |             |                         |          |            |                  |                                      |                          |                             |                         |                        |                           |                       |                         |                |             |

| DRILL HOLE SUMMARY           |  | Company Name | Company Drill Hole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden (feet) | Total Length of Hole (feet) | Mineralization Noted in Log | Assay Data Included for |
|------------------------------|--|--------------|---------------------------|--------------|-----------------|---------------------|--------------------------------|-----------------------------|-----------------------------|-------------------------|
| Map Drilling Location Number |  |              |                           |              |                 |                     |                                |                             |                             |                         |
| 1                            | Bouch, W.H.  | E-1          | Oct '55                   | 360°         | -45°            | 4                   | 360                            | PY                          |                             |                         |
| 2                            | "  | E-2          | Oct '55                   | 360°         | -45°            |                     | 360                            | PY, CP                      |                             |                         |
| 3                            | Consolidated Marbenor Mines Limited                                    | 1            | Apr '55                   | 225°         |                 | 85.5                | 456                            | PY, CP                      |                             |                         |
| 4                            | "  | 2            | May '55                   | 065°         |                 | 92.8                | 651                            | PY                          |                             |                         |
| 5                            | "  | 3            | May '55                   | 230°         |                 | 120                 | 551                            | PY                          |                             |                         |
| 6                            | "  | 4            | June '55                  | 060°         |                 | 114                 | 567                            | PY                          |                             |                         |
| 7                            | Feeley, V.   | 1            | Aug '65                   | 360°         | -45°            | 3                   | 164                            |                             |                             |                         |
| 8                            | "  | 1            | Aug '65                   | 180°         | -45°            | 4                   | 125                            | PY                          |                             |                         |
| 9                            | "  | 2            | Sept '65                  | 360°         | -45°            | 3.5                 | 117                            | PY                          |                             |                         |
| 10                           | "  | 3            | Sept '65                  | 180°         | -45°            | 14                  | 120                            | PY                          |                             |                         |
| 11a                          | "  | 1            | Sept '65                  | 090°         | -45°            | 7                   | 148.5                          | gt, PY                      |                             |                         |
| b                            | "  | 2            | Sept '65                  | 220°         | -45°            | 2.5                 | 149                            | gt, PY                      |                             |                         |
| c                            | "  | 4            | Oct '65                   | 180°         | -45°            | 2.5                 | 129                            | PY                          |                             |                         |
| 12a                          | "  | 1            | May '68                   | 140°?        | -45°            |                     | 280                            | PY                          |                             |                         |
| b                            | "  | 2            | May '68                   | 140°?        | -45°            |                     | 250°                           | PY                          |                             |                         |
| 13                           | Gripp Lake Mines Limited Inc. (St. Joseph Explorations Limited Option) | G-3-73       | Aug '73                   | 205°         | -45°            | 25                  | 123                            | PY                          |                             |                         |

GDF FORM NO. 3

| DRILL HOLE SUMMARY           |   | Company Name | Company Drill Hole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden (feet) | Total Length of Hole (feet) | Mineralization Noted in Log | Assay Data Included for |
|------------------------------|---|--------------|---------------------------|--------------|-----------------|---------------------|--------------------------------|-----------------------------|-----------------------------|-------------------------|
| Map Drilling Location Number |   |              |                           |              |                 |                     |                                |                             |                             |                         |
| 14a                          | Gripp Lake Mines Inc.<br>(St. Joseph Explorations Limited Option) | G-6-73       | Sept. '73                 | 345°         | -40°            | 5                   | 183                            | py, cp, sp                  |                             |                         |
| b                            | " " "   | G-7-73       | Sept. '73                 | 360°         | -40°            | 7                   | 183                            | py, cp                      |                             |                         |
| 15                           | " " "   | G-1-74       | Jan. '74                  | 150°         | -50°            | 62                  | 238                            | py                          |                             |                         |
| 16                           | " " "   | G-2-74       | Jan. '74                  | 160°         | -45°            | 30                  | 233                            | py, po                      |                             |                         |
| 17                           | " " "   | G-3-74       | Jan. '74                  | 160°         | -45°            | 52                  | 260.2                          | py                          |                             |                         |
| 18                           | " " "   | G-4-74       | Feb. '74                  | 150°         | -45°            | 5.6                 | 206.5                          | py, sp                      |                             |                         |
| 19                           | " " "   | G-5-74       | Mar. '74                  | 233°         | -45°            | 75                  | 295                            | py, sp, cp, gn              | Cu, Zn, Ag, Au              |                         |
| 20                           | " " "   | G-6-74       | Mar. '74                  | 233°         | -45°            | 43                  | 277.5                          | py, sp, cp, gn              | Cu, Zn, Ag, Au              |                         |
| 21                           | " " "   | G-11-74      | Mar. '74                  | 180°         | -45°            | 15                  | 225                            | sp, py, cp                  | Cu, Zn, Ag, Au              |                         |
| 22                           | " " "   | NS-N1        | Oct. '74                  | 270°         | -35°            | 5                   | 78.5                           | sp, cp, py                  |                             |                         |
| 23a                          | Gripp Lake Mines Inc.<br>(Imperial Oil Option)                    | F-1          | July '75                  | 180°         | -45°            | 9                   | 105                            | cp                          |                             |                         |
| b                            | " " "   | 169          | July '77                  | 315°         | -50°            | 56                  | 437                            | cp, py                      | Cu, Au, Ag                  |                         |
| 24                           | Giant Gripp Mines Inc.<br>(Imperial Oil Option)                   | 181          | Aug '77                   | 040°         | -45°            | 10                  | 557                            | py, po, cp, sp              |                             |                         |
| 25                           | " " "   | 154          | Feb. '77                  | 180°         | -45°            | 17                  | 503                            | cp, sp, py                  | Cu, Zn, Ag, Au              |                         |

GDIF FORM NO. 3

# DRILL HOLE SUMMARY

| Map Drilling Location Number | Company Name                                    | Company Drill Hole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden (feet) | Total Length of Hole (feet) | Mineralization Noted in Log | Assay Data Included for |
|------------------------------|---|---------------------------|--------------|-----------------|---------------------|--------------------------------|-----------------------------|-----------------------------|-------------------------|
|                              |   |                           |              |                 |                     |                                |                             |                             |                         |
| 26                           | Giant Gripp Mines Inc.<br>(Imperial Oil Option) | 158                       | Feb '77      | 180°            | -45°                | 12                             | 418                         | cp                          |                         |
| 27a                          | "   | 167                       | June '77     | 360°            | -45°                | 10                             | 157                         | cp, py, sp, gn              | Cu, Zn                  |
| b                            | "   | 168                       | June '77     |                 | -90°                |                                | 106                         | cp, sp, py                  | Cu, Zn                  |
| 28a                          | "   | 171                       | July '77     | 040°            | -45°                | 6                              | 437                         | cp                          | Cu, Zn, Au<br>Ag        |
| b                            | "   | 205                       | June '78     | 040°            | -45°                | 10                             | 247                         | cp, py                      | Cu, Zn, Au<br>Ag        |
| c                            | "   | 206                       | June '78     | 220°            | -45°                | 10                             | 287                         | cp                          | Cu, Zn, Ag              |
| d                            | "   | 207                       | June '78     | 040°            | -45°                | 12                             | 247                         | cp                          | Cu, Zn, Ag              |
| e                            | "   | 208                       | June '78     | 040°            | -45°                | 10                             | 299                         | cp, po                      | Cu, Zn, Ag              |
| 29                           | "   | 172                       | July '77     | 040°            | -45°                | 15                             | 397                         | cp                          | Cu, Zn, Au<br>Ag        |
| 30                           | "   | 173                       | Aug '77      | 040°            | -45°                | 25                             | 617                         | cp                          | Cu, Zn, Au<br>Ag        |
| 31a                          | "   | 174                       | Aug '77      | 225°            | -45°                | 7                              | 397                         | py, sp, cp                  |                         |
| b                            | "   | 174A                      | Aug '77      | 065°            | -48.5°              | 4                              | 41                          | cp, py                      | Cu, Zn, Au,<br>Ag       |
| c                            | "   | 174B                      | Aug '77      | 065°            | -85°                | 5                              | 38                          | cp, py                      | Cu, Zn, Au<br>Ag        |

GDIF FORM NO. 3

| DRILL HOLE SUMMARY           |   | Company Name | Company Drill Hole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden (feet) | Total Length of Hole (feet) | Mineralization Noted in Log | Assay Data Included for |
|------------------------------|---|--------------|---------------------------|--------------|-----------------|---------------------|--------------------------------|-----------------------------|-----------------------------|-------------------------|
| Map Drilling Location Number |   |              |                           |              |                 |                     |                                |                             |                             |                         |
| 31d                          | Giant Gripp Mines Inc.<br>(Imperial Oil Option) | 174C         | Aug '77                   | 240°         | -50°            |                     | 184                            | cp, py                      | Cu, Zn, Au, Ag              |                         |
| e                            | " " " "   | 174D         | Aug '77                   | 245°         | -45°            |                     | 49                             |                             | Cu, Zn, Au, Ag              |                         |
| 32                           | " " " "   | 183          | Sept '77                  | 220°         | -45°            | 10                  | 537                            | cp, py, po, sp              | Cu, Zn, Au, Ag              |                         |
| 33                           | " " " "   | 153          | Jan '77                   | 180°         | -45°            | 4                   | 507                            | py, cp, sp                  | Cu, Zn, Au, Ag              |                         |
| 34a                          | " " " "   | 161          | Mar '77                   | 180°         | -45°            | 62                  | 467                            | sp, cp, py                  | Cu, Zn, Au, Ag              |                         |
| b                            | " " " "   | 164          | June '77                  | 155°         | -50°            | 17                  | 387                            | py, sp, cp                  |                             |                         |
| c                            | " " " "   | 165          | June '77                  | 155°         | -50°            | 12                  | 297                            | sp, py, cp                  |                             |                         |
| 35                           | " " " "   | 159          | Mar '77                   | 180°         | -45°            | 79                  | 367                            | cp                          |                             |                         |
| 36                           | " " " "   | 160          | Mar '77                   | 180°         | -45°            | 25                  | 517                            | cp                          |                             |                         |
| 37                           | " " " "   | 182          | Aug '77                   | 040°         | -45°            | 14                  | 357                            | py, cp, sp                  |                             |                         |
| 38                           | " " " "   | 178          | Aug '77                   | 040°         | -45°            | 10                  | 307                            | py, po                      |                             |                         |
| 39                           | " " " "   | 184          | Sept '77                  | 180°         | -45°            | 7                   | 156                            | cp, po                      |                             |                         |
| 40a                          | " " " "   | 226          | Feb '78                   | 330°         | -50°            | 5                   | 567                            | py, po, sp, cp              | Cu, Zn, Au, Ag              |                         |
| b                            | " " " "   | 230          | Feb '78                   | 150°         | -50°            |                     | 236                            | py, cp, sp                  | Cu, Zn, Au, Ag              |                         |

GDIF FORM NO. 3

| DRILL HOLE SUMMARY           |   | Company Name | Company Drill Hole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden (feet) | Total Length of Hole (feet) | Mineralization Noted in Log | Assay Data Included for |
|------------------------------|---|--------------|---------------------------|--------------|-----------------|---------------------|--------------------------------|-----------------------------|-----------------------------|-------------------------|
| Map Drilling Location Number |   |              |                           |              |                 |                     |                                |                             |                             |                         |
| 40c                          | Giant Gripp Mines Inc. (Imperial Oil Option)  | 231          | Feb. '78                  | 150°         | -50°            | -                   | 247                            | py, cp, sp                  | Cu, Zn, Au, Ag              |                         |
| d                            | " " " "   | 232          | Feb. '78                  | 090°         | -90°            | -                   | 188                            | py, cp, sp                  | Cu, Zn, Au, Ag              |                         |
| e                            | " " " "   | 235          | Mar. '78                  | 155°         | -50°            | 30                  | 307                            | py, sp, cp                  |                             |                         |
| f                            | " " " "   | 236          | Mar. '78                  | 155°         | -50°            | -                   | 287                            | cp, sp, py                  |                             |                         |
| 41a                          | " " " "   | 237          | Mar. '78                  | 345°         | -50°            | 9                   | 337                            | cp, py                      | Cu, Zn, Au, Ag              |                         |
| b                            | " " " "   | 238          | Mar. '78                  | 345°         | -50°            | 7                   | 267                            | cp, py, mag                 | Cu, Zn, Au, Ag              |                         |
| 42a                          | Giant Gripp Mines Limited (St. Joseph Explorations Limited-filed under McDermott, J.) | RJ-1         | Aug. '74                  | 123°         | -45°            | 9                   | 160                            | py, cp, sp                  |                             |                         |
| b                            | " " " "   | RJ-2         | Sept. '74                 | 180°         | -45°            | 2                   | 151                            | cp, py, sp                  |                             |                         |
| c                            | " " " "   | RJ-3         | Sept. '74                 | 180°         | -45°            | 15                  | 110                            | cp, py, sp                  |                             |                         |
| d                            | " " " "   | RJ-4         | Sept. '74                 | 360°         | -45°            | 8                   | 121                            | cp, py, sp                  |                             |                         |
| e                            | " " " "   | RJ-4A        | July '75                  | 270°         | -45°            | 5                   | 75                             | py, cp                      |                             |                         |
| f                            | " " " "   | RJ-5         | July '75                  | 206°         | -45°            | 2                   | 40                             | py, cp                      |                             |                         |
| g                            | " " " "   | RJ-6         | July '75                  | 180°         | -45°            | 8                   | 198                            | py, cp                      |                             |                         |
| h                            | " " " "   | RJ-7         | July '75                  | 180°         | -82°            | 5                   | 64                             | py, cp                      |                             |                         |

GDIF FORM NO. 3

| DRILL HOLE SUMMARY           |   | Company Name | Company Drill Hole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden (feet) | Total Length of Hole (feet) | Mineralization Noted in Log | Assay Data Included for |
|------------------------------|---|--------------|---------------------------|--------------|-----------------|---------------------|--------------------------------|-----------------------------|-----------------------------|-------------------------|
| Map Drilling Location Number | Company Name  |              |                           |              |                 |                     |                                |                             |                             |                         |
| 43                           | Giant Gripp Mines Limited (St. Joseph Explorations Limited—filed under McDermott, J.) | 5.H.         | Sept. '74                 | 025°         | -50°            | -                   | 251                            | py, cp                      |                             |                         |
| 44                           | " " " "   | WL-1         | July '74                  | 250°         | -45°            | 7                   | 625                            | py, cp                      |                             |                         |
| 45                           | Gonzales, C.  | 1            | May '73                   | 215°         | -45°            | 9                   | 391                            | S                           |                             |                         |
| 46                           | " " " "   | 2            | June '73                  | 350°         | -45°            | 55                  | 109                            |                             |                             |                         |
| 47                           | Jacobus Mining Company  | X-1          | June '62                  | 270°         | -45°            | 4                   | 112                            |                             |                             |                         |
| 48                           | " " " "   | X-2          | July '62                  | 270°         | -45°            | 2                   | 125                            | cp, sp, cp                  | Cu, Zn, Au, Ag              |                         |
| 49                           | " " " "   | X-3          | July '62                  | 270°         | -45°            | 6                   | 113.6                          | sp, cp, py                  | Cu, Zn, Au, Ag              |                         |
| 50                           | " " " "   | X-4          | July '62                  | 315°         | -45°            | 2<br>8              | 114                            | py, cp, sp                  | Cu, Ag                      |                         |
| 51a                          | Kendon Copper Mines Ltd.  | K-1          | Apr. '68                  | 170°         | -45°            | (10)                | 221                            | py, cp, sp                  |                             |                         |
| b                            | " " " "   | K-2          | May '68                   | 155°         | -45°            | 4<br>(13)           | 213                            | py, cp, sp                  |                             |                         |
| c                            | " " " "   | M.T.1        | June '69                  | Grid N       | -49°            | 9                   | 190.4                          | py, po, cp, sp              |                             |                         |
| d                            | " " " "   | M.T.3        | Aug. '69                  | Grid N       | -43°            | 8                   | 601                            | cp, sp, py, po, gn          |                             |                         |
| 52a                          | " " " "   | D-1          | Aug. '68                  | Grid N       | -45°            | 33                  | 323                            | py, mag, cp                 |                             |                         |
| b                            | " " " "   | D-2          | Sept. '68                 | Grid N       | -45°            | 15                  | 300                            | cp, py                      |                             |                         |

| DRILL HOLE SUMMARY           |   | Company Name | Company Drill Hole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden (feet) | Total Length of Hole (feet) | Mineralization Noted in Log | Assay Data Included for |
|------------------------------|---|--------------|---------------------------|--------------|-----------------|---------------------|--------------------------------|-----------------------------|-----------------------------|-------------------------|
| Map Drilling Location Number |   |              |                           |              |                 |                     |                                |                             |                             |                         |
| 52c                          | Kendon Copper Mines Ltd.  | D-5          | Oct. '68                  | Grid N       | -45°            | 49                  | 413                            | cp, mag                     |                             |                         |
| 53                           | "   | D-8          | Mar. '69                  | Grid S       | -45°            | 20                  | 402                            | mag, cp, py, po             |                             |                         |
| 54                           | "   | J-1          | Sept. '69                 | Grid S       | -45°            | 9.7                 | 326                            | cp, py                      |                             |                         |
| 55a                          | "   | F-3          | July '70                  | Grid S       | -47°            | -                   | 655                            | cp, sp                      |                             |                         |
| b                            | "   | F-4          | July '70                  | Grid S       | -60°            | 16<br>(18)          | 590                            | py, cp                      |                             |                         |
| c                            | "   | F-5          | July '70                  | Grid S       | -55°            | 22<br>(23)          | 545                            | sp                          |                             |                         |
| 56a                          | "   | K-17         | June '70                  | Grid S       | -60°            | 20                  | 800                            | py, sp, cp                  |                             |                         |
| b                            | "   | K-18         | July '70                  | Grid S       | -60°            | 58<br>(62)          | 750                            | py, po                      |                             |                         |
| c                            | "   | K-19         | July '70                  | Grid S       | -60°            | 4<br>(6)            | 698                            | cp (tr), sp (tr)            |                             |                         |
| d                            | "   | K-16         | June '70                  | Grid S       | -60°            | -                   | 952                            | sp, cp, py                  |                             |                         |
| 57                           | "   | B-1          | Oct. '69                  | Grid N       | -45°            | (12)                | 299                            | py, sp                      |                             |                         |
| 58a                          | Marshall Lake Mines   | 1            | June '63                  | 045°         | -45°            | -                   | 190                            | po, py                      |                             |                         |
| b                            | "   | 2            | June '63                  | 225°         | -45°            | -                   | 153                            | py, po                      |                             |                         |
| 59                           | "   | A-15         | Aug. '63                  | 180°         | -45°            | 9                   | 708                            | cp, sp                      |                             |                         |
| 60                           | "   | 1            | Oct. '65                  | 090°         | -45°            | -                   | 330                            |                             |                             |                         |
| 61                           | "   | 2            | Oct. '65                  | 120°         | -45°            | -                   | 347                            |                             |                             |                         |
| 62                           | Mattagami Lake Mines Limited and Terra Nova Exploration Limited | M-79-2A      | June '79                  | Grid S       | -55°            | 109                 | 303                            | gt                          |                             |                         |

GDIF FORM NO. 3

| DRILL HOLE SUMMARY           |  | Company Name | Company Drill Hole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden (feet) | Total Length of Hole (feet) | Mineralization Noted in Log | Assay Data Included for |
|------------------------------|--|--------------|---------------------------|--------------|-----------------|---------------------|--------------------------------|-----------------------------|-----------------------------|-------------------------|
| Map Drilling Location Number |  |              |                           |              |                 |                     |                                |                             |                             |                         |
| 63                           | Mattagami Lake Mines Ltd. and Terra Nova Exploration Limited Joint Venture | M-79-5       | June '79                  | Grid S       | -55°            | 50                  | 457                            | py                          |                             |                         |
| 64                           | " " "  | M-79-3       | July '79                  | Grid N       | -45°            | 80                  | 536                            | py (tr)                     |                             |                         |
| 65                           | " " "  | M-79-1       | July '79                  | Grid S       | -45°            | 129                 | 363                            | py (tr)                     |                             |                         |
| 66a                          | Min-Ore Mines Limited  | D-1          | Aug. '62                  | 295°         | -45°            | -                   | 166                            | cp, py, sp                  |                             |                         |
| b                            | " " "  | D-2          | Aug. '62                  | 275°         | -45°            | 4                   | 150                            | cp, py                      |                             |                         |
| c                            | " " "  | D-3          | Aug. '62                  | 225°         | -45°            | 3                   | 150                            | cp (tr)                     |                             |                         |
| d                            | " " "  | D-4          | Aug. '62                  | 360°         | -45°            | 5                   | 110                            | sp, cp, py                  |                             |                         |
| e                            | " " "  | D-5          | Sept. '62                 | 255°         | -45°            | -                   | 155                            | py, cp                      |                             |                         |
| 67                           | " " "  | D-6          | Sept. '62                 | 255°         | -45°            | 9                   | 153                            | cp, S, py                   |                             |                         |
| 68                           | New Goldvue Mines Limited  | 3            | Sept. '55                 | 154°?        | -45°            | 31                  | 300?                           | py, po                      | Au, Ag, Ni                  |                         |
| 69                           | " " "  | 4            | Oct. '55                  | SE           | -45°            | 40                  | 350?                           |                             |                             |                         |
| 70                           | " " "  | 5            | Oct. '55                  | SE           | -45°            | 23?                 | 310?                           |                             |                             |                         |
| 71                           | " " "  | 6            | Oct. '55                  | NW           | -45°            | 40                  | 299?                           | gf, po,                     | Au, Ag                      |                         |
| 72                           |  |              |                           |              |                 | 42                  | 297                            | py, po, gf                  |                             |                         |
| 73                           |  |              |                           |              |                 | 28?                 | 297?                           |                             |                             |                         |
| 74                           | N.W.T. Copper Mines Ltd.   | 101          | Oct. '68                  | 185°         | -45°            | 32                  | 123                            | py, po, cp (tr), sp (tr)    |                             |                         |

GDIF FORM NO. 3

# DRILL HOLE SUMMARY

| Map Drilling Location Number | Company Name   | Company Drill Hole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden (feet) | Total Length of Hole (feet) | Mineralization Noted in Log | Assay Data Included for            |
|------------------------------|--|---------------------------|--------------|-----------------|---------------------|--------------------------------|-----------------------------|-----------------------------|------------------------------------|
|                              |  |                           |              |                 |                     |                                |                             |                             |                                    |
| 74b                          | N.W.T. Copper Mines Ltd.                                     | 111                       | Mar. '69     | 180°            | -60°                | 32                             | 137                         | py, po, sp (tr),<br>cp (tr) |                                    |
| c                            | "  | 112                       | Mar. '69     | 188°            | -45°                | 28-3                           | 129                         | po, gf, cp (tr),<br>S       |                                    |
| d                            | "  | 113                       | Apr. '69     | 008°            | -45°                | 26                             | 152                         | py, po, gf, S               |                                    |
| 75a                          | "  | 114                       | Apr. '69     | 180°            | -45°                | 64                             | 117                         | po, py, mag                 |                                    |
| b                            | "  | 115                       | Apr. '69     | 180°            | -45°                | 67                             | 105                         | I.F., po, py                |                                    |
| 76                           | "  | 116                       | Apr. '69     | 168°            | -45°                | 35                             | 125                         | I.F., py, po                |                                    |
| 77a                          | "  | 117                       | Apr. '69     | 180°            | -45°                | 8                              | 130                         | I.F., S                     |                                    |
| b                            | "  | 118                       | Apr. '69     | 180°            | -45°                | 4                              | 131                         | I.F., S                     |                                    |
| c                            | "  | 119                       | Apr. '69     | 180°            | -45°                | 6                              | 128                         | I.F., S                     |                                    |
| d                            | "  | 120                       | Apr. '69     | 200°            | -45°                | 13                             | 126                         | I.F., gf, mag, S            |                                    |
| e                            | "  | 121                       | May '69      | 200°            | -65°                | 12                             | 124                         | po, py, I.F., S             |                                    |
| f                            | "  | 122                       | May '69      | 180°            | -65°                | 6                              | 123                         | gf, po, cp (tr),<br>sp (tr) |                                    |
| 78                           | Panther International Mining Company (Panther Mines Limited) | Z-1                       | Mar. '58     | 360°            | -45°                | 126.1                          | 400                         | I.F., py, po                | Fe, SiO <sub>2</sub> , S,<br>P, Mn |
| 79                           | "  | Z-2                       | Mar. '58     | Grid N          | -45°                | 73.5                           | 375                         | I.F.                        | Fe                                 |
| 80                           | "  | Z-3                       | Mar. '58     | Grid N          | -45°                | 70                             | 237.8                       | I.F., S                     | Fe                                 |

GOIF FORM NO. 3

| DRILL HOLE SUMMARY           |  | Company Name  | Company Drill Hole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden (feet) | Total Length of Hole (feet) | Mineralization Noted in Log | Assay Data Included for |
|------------------------------|--|---|---------------------------|--------------|-----------------|---------------------|--------------------------------|-----------------------------|-----------------------------|-------------------------|
| Map Drilling Location Number |  |   |                           |              |                 |                     |                                |                             |                             |                         |
| 81                           |  | Panther International Mining Company (Panther Mines Limited)                  | Z-4                       | July '59     | Grid N          | -45°                | 44                             | 371                         | I.F., py                    | Fe                      |
| 82                           |  | " "   | Z-7                       | July '59     | Grid N          | -45°                | 105                            | 495                         | I.F., py                    | Fe                      |
| 83                           |  | Prospectors Airways Co. Limited   | R-1                       | Oct. '55     | NW              | -45°                | 34                             | 695                         | py, po, mag                 | Au, Cu                  |
| 84                           |  | " "   | R-2                       | Nov. '55     | 316°            | -45°                | 55                             | 706.6                       | py, po, mag                 |                         |
| 85                           |  | " "   | R-3                       | Nov. '55     | 139°            | -50°                | 69                             | 148                         | py                          |                         |
| 86                           |  | " "   | R-4                       | Nov. '55     | 207°            | -45°                | 20                             | 260                         | py, po                      |                         |
| 87                           |  | " "   | R-5                       | Nov. '55     | 207°            | -45°                | 59                             | 319.2                       | py, po                      |                         |
| 88                           |  | " "   | R-6                       | Nov. '55     | 360°            | -55°                | 43                             | 214                         |                             |                         |
| 89                           |  | " "   | R-7                       | Dec. '55     | 360°            | -45°                | 24                             | 253                         |                             |                         |
| 90                           |  | " "   | R-8                       | Dec. '55     | 270°            | -45°                | 32                             | 407                         |                             |                         |
| 91                           |  | " "   | A-16                      | July '67     | 180°            | -60°                | 21                             | 748                         | cp, sp, py                  |                         |
| 92                           |  | Reid, G.  | A-17                      | July '67     | 360°            | -60°                | 55                             | 752                         | py, cp, gt                  |                         |
| 93                           |  | " "   | A-18                      | Aug. '67     | 180°            | -45°                | 14                             | 252                         | cp, py                      |                         |
| 94                           |  | " "   | A-19                      | Aug. '67     | 180°            | -45°                | 3                              | 250                         | py, cp, sp                  |                         |
| 95                           |  | Stewart Lake Iron Mines of Ontario Limited (Panther International Mining Co.) | Z-5                       | July '59     | Grid N          | -45°                | 174                            | 375                         | po, mag, I.F.               | Fe                      |

GDI FOFIM NO. 3

| DRILL HOLE SUMMARY           |   | Company Name | Company Drill Hole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden (feet) | Total Length of Hole (feet) | Mineralization Noted in Log | Assay Data Included for |
|------------------------------|---|--------------|---------------------------|--------------|-----------------|---------------------|--------------------------------|-----------------------------|-----------------------------|-------------------------|
| Map Drilling Location Number |   |              |                           |              |                 |                     |                                |                             |                             |                         |
| 96a                          | Stewart Lake Iron Mines of Ontario Limited (Panther International Mining Co.) | Z-12         | July '59                  | Grid N       | -45°            | 67                  | 423                            | py, po, I.F.                | Fe                          |                         |
| b                            | " " " "   | Z-13         | Aug. '59                  | Grid N       | -45°            | 80                  | 404                            | I.F.                        |                             |                         |
| c                            | " " " "   | Z-14         | Aug. '59                  | Grid S       | -45°            | 80                  | 300                            | I.F.                        |                             |                         |
| 97                           | " " " "   | Z-15         | Aug. '59                  | Grid N       | -45°            | 66                  | 362                            | I.F.                        |                             |                         |
| 98                           | " " " "   | Z-16         | Aug. '59                  | Grid N       | -45°            | 5                   | 502                            | po, py, I.F.                | Fe, Cu, Ni                  |                         |
| 99                           | " " " "   | Z-17A        | Sept. '59                 | 152°         | -50°            | 82.5                | 402                            | I.F., py                    | Fe                          |                         |
| 100                          | " " " "   | Z-19         | Sept. '59                 | Grid N       | -45°            | 42                  | 301                            | po, py, I.F.                | Fe, Cu, Ni                  |                         |
| 101a                         | Teck Corporation Limited  | 1            | Jan. '55                  | 210°         | -45°            | 7                   | 323                            | cp, po                      | Cu, Ag, Au                  |                         |
| b                            | " " " "   | 2            | Feb. '55                  | 210°         | -45.5°          | 6                   | 445                            | cp, po, py                  | Cu, Ag, Au                  |                         |
| c                            | " " " "   | 3            | Feb. '55                  | 210°         | -44°            | 10                  | 404                            | py, cp, po                  | Cu, Ag, Au                  |                         |
| d                            | " " " "   | 4            | Feb. '55                  | 210°         | -45°            | 7                   | 431                            | mag, cp, py, gn             | Cu, Ag, Au                  |                         |
| e                            | " " " "   | 5            | Feb. '55                  | 210°         | -45°            | 11                  | 530                            | cp, py, po, tour, gt        | Cu, Ag, Au                  |                         |
| f                            | " " " "   | 6            | Feb. '55                  | 218°         | -45°            | 7                   | 423                            | cp, po, gt                  | Cu, Ag, Au                  |                         |
| g                            | " " " "   | 7            | Feb. '55                  | 037°         | -43°            | 11                  | 374                            | cp, py, po                  | Ag, Au                      |                         |
| h                            | " " " "   | 21           | Jan. '61                  | 036°         | -51°            | 5                   | 353                            | tour, cp                    | Cu                          |                         |
| i                            | " " " "   | 22           | Jan. '61                  | 036°         | -75°            | 5                   | 304                            | gt, cp                      | Cu                          |                         |

GDI FORM NO. 3

| DRILL HOLE SUMMARY           |                          | Company Name | Company Drill Hole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden (feet) | Total Length of Hole (feet) | Mineralization Noted in Log | Assay Data Included for |
|------------------------------|--------------------------|--------------|---------------------------|--------------|-----------------|---------------------|--------------------------------|-----------------------------|-----------------------------|-------------------------|
| Map Drilling Location Number | Company Name             |              |                           |              |                 |                     |                                |                             |                             |                         |
| 101j                         | Teck Corporation Limited | 23           | Jan. '61                  | 036°         | -51°            | 7                   | 280                            | cp, gt, tour                | Cu                          |                         |
| k                            | "                        | 24           | Feb. '61                  | 036°         | -72°            | 5                   | 345                            | cp, po                      | Cu                          |                         |
| l                            | "                        | 25           | Feb. '61                  | 022°         | -45°            | 8                   | 303                            | cp                          | Cu                          |                         |
| m                            | "                        | 30           | Feb. '61                  | 036°         | -60°            | 5                   | 507                            | cp, py, tour, gt            | Cu                          |                         |
| n                            | "                        | 31           | Feb. '61                  | 036°         | -46°            | 7                   | 367                            | cp, tour, po                |                             |                         |
| o                            | "                        | 32           | Mar. '61                  | 038°         | -45°            | 5                   | 451                            | cp, tour, po                |                             |                         |
| 101p                         | "                        | 16           | Aug. '55                  | 150°         | -45°            | 6                   | 501                            | cp                          | Ag, Au                      |                         |
| 102                          | "                        | 26           | Feb. '61                  | 036°         | -46°            | 9                   | 223                            | cp                          | Cu                          |                         |
| 103                          | "                        | 27           | Feb. '61                  | 014°         | -45°            | 10                  | 248                            | cp                          |                             |                         |
| 104                          | "                        | 28           | Feb. '61                  | 036°         | -60°            | 6                   | 426                            | cp                          | Cu                          |                         |
| 105                          | "                        | 29           | Feb. '61                  | 036°         | -60°            | 7                   | 453                            | cp, po                      | Cu                          |                         |
| 106                          | "                        | 8            | Mar. '55                  | 360°         | -45°            | 7                   | 400                            | py, po                      |                             |                         |
| 107                          | "                        | 9            | Mar. '55                  | 205°         | -45°            | 7                   | 325                            | py, cp, po, sp              | Cu, Ag, Au                  |                         |
| 108                          | "                        | 10           | Mar. '55                  | 018°         | -44°            | 9                   | 432                            | py, cp, sp                  | Cu, Ag, Au                  |                         |
| 109                          | "                        | 11           | Mar. '55                  | 065°         | -45°            | 7                   | 183                            | py, cp, sp                  |                             |                         |
| 110                          | "                        | 12           | Apr. '55                  | 022°         | -44°            | 7                   | 351                            | py, po, cp, gt              | Cu, Ag, Au                  |                         |
| 111                          | "                        | 13           | Apr. '55                  | 202°         | -42°            | 7                   | 503                            | py, cp                      | Cu, Ag, Au                  |                         |

GDIF FORM NO. 3

| DRILL HOLE SUMMARY |                                  | Company Name | Company Drill Hole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden (feet) | Total Length of Hole (feet) | Mineralization Noted in Log | Assay Data Included for |
|--------------------|----------------------------------|--------------|---------------------------|--------------|-----------------|---------------------|--------------------------------|-----------------------------|-----------------------------|-------------------------|
|                    |                                  |              |                           |              |                 |                     |                                |                             |                             |                         |
| 112                | Teck Corporation Limited         | 14           | Aug. '55                  | 180°         | -45°            | 10                  | 602.5                          | py, cp, po                  | Ag, Au                      |                         |
| 113                | "                                | 15           | Aug. '55                  | 180°         | -45°            | 10                  | 603                            | py                          |                             |                         |
| 114                | "                                | 17           | Aug. '55                  | 235°         | -45°            | 8                   | 154                            | cp, py                      |                             |                         |
| 115                | "                                | 18           | Sept. '55                 | 025°         | -45°            | 7                   | 601                            | cp, py, po                  | Cu, Ag, Au                  |                         |
| 116                | "                                | 19           | Sept. '55                 | 215°         | -45°            | 13                  | 605                            | py, cp, po                  |                             |                         |
| 117                | "                                | 20           | Sept. '55                 | 160°         | -45°            | 5                   | 199.5                          | gt, cp, py                  |                             |                         |
| 118a               | United New Fortune Mines Limited | U.N.F.-3     | Oct. '62                  | 180°         | -45°            | 25                  | 472                            | S, cp, py                   |                             |                         |
| b                  | "                                | U.N.F.-4     | Oct. '62                  | 360°         | -45°            | 4                   | 493                            | S, py                       |                             |                         |
| c                  | "                                | U.N.F.-5     | Oct. '62                  | 360°         | -45°            | 6                   | 312                            | cp, S, py                   |                             |                         |
| d                  | "                                | U.N.F.-6     | Nov. '62                  | 115°         | -30°            | 4                   | 411                            | S                           |                             |                         |

GDIF FORM NO. 3

| <b>DRILL HOLE SUMMARY</b> |  | Assay Data Included for | Mineralization Noted in Log | Total Length of Hole | Thickness of Overburden | Initial Dip of Hole | Bearing Azimuth | Date Drilled | Company Drill Hole Number |
|---------------------------|--|-------------------------|-----------------------------|----------------------|-------------------------|---------------------|-----------------|--------------|---------------------------|
|                           |  |                         |                             |                      |                         |                     |                 |              |                           |
|                           |  |                         |                             |                      |                         |                     |                 |              |                           |

## AIRBORNE GEOPHYSICAL SURVEY DATA

| No. | By<br>For  | Type of Survey                            |  |  | Flight<br>Altitude         | Flight<br>Line<br>Direction | Flight<br>Line<br>Spacing          |
|-----|--|---|--|--|----------------------------|-----------------------------|------------------------------------|
|     |  |   |  |  |                            |                             |                                    |
| 15  | Aeromagnetic Surveys Limited<br>Kenngo Explorations (Canada)<br>Limited                          | Airborne magnetometer                     |  |  | 500 feet                   | North-South                 | 1320 feet<br>( $\frac{1}{2}$ mile) |
| 32  | Questor Survey Limited<br>Texasgulf Canada Limited   | Airborne magnetometer and electromagnetic |  |  | 45 m<br>45 m               | East-West<br>North-South    | 360 m<br>180 m                     |
| 23  | Canadian Aero Service Limited<br>Panther International Mining<br>Company (Panther Mines Limited) | Airborne magnetometer                     |  |  | 500 feet                   | North-South                 | 2640 feet<br>( $\frac{1}{2}$ mile) |
| 35  | Northway Survey Corporation Limited<br>Ontario Geological Survey                                 | Airborne magnetometer                     |  |  | 122 m                      | N-S                         | 201 m                              |
| 5   | Questor Surveys<br>Corporation Falconbridge Copper   | Airborne magnetometer and electromagnetic |  |  | 400 feet<br>(150 ft. bird) | N-S                         | 660 feet                           |

| Map<br>Sample<br>Site<br>Reference<br>Number | GEOCHEMICAL SURVEY DATA |                        | By | Reference                         |
|--|-------------------------|------------------------|----|-----------------------------------|
|  | Type of Survey          | Analysis For           |    |                                   |
| 1  | Lake sediment survey    | Cu, Pb, Zn, Ag, Au, Hg |    | Bagdad Exploration<br>Partnership |
| 2  | "                       | " " " " " "            |    | " "                               |
| 3  | "                       | " " " " " "            |    | " "                               |
| 4  | "                       | " " " " " "            |    | " "                               |
| 5  | "                       | " " " " " "            |    | " "                               |

GDIF FORM NO.5

# MISCELLANEOUS DATA

## AGE DATING

| Site | Method | Material | Reference | Result |
|------|--------|----------|-----------|--------|
|      |        |          |           |        |

# NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Thunder Bay

A large empty rectangular box intended for listing newspaper clippings.

# ODM GENERAL INDEX SEARCH

**Words searched:** Summit Lake, Marshall Lake, Gripp Lake, Langford, Little Marshall Lake

| Index<br>Volume | Listing:  | Report<br>Volume | Part | Page        |
|-----------------|---|------------------|------|-------------|
| 1               | Summit Lake, Lily and Pawitik rivers<br>Area  | 25<br>Bull. 27   | 1    | 267<br>8    |
|                 | Description   | N.O.*            |      | 164         |
|                 | Double outlet   | R.C.*            |      | 14          |
|                 | Ducks   | N.O.             |      | 172         |
|                 | Farm land   | N.O.             |      | 158         |
|                 | Gold  | N.O.             |      | 165,<br>172 |
|                 |   | 25<br>Bull. 27   | 1    | 270         |
|                 | Minor ref. to   | 5                |      | 202         |
|                 | River from, to Lake Nipigon, character  | N.O.             |      | 158         |
|                 | Rocks   | 25<br>Bull. 27   |      | 268         |
|                 | Soil N. of  | N.O.             |      | 171         |
|                 | Timber,   | N.O.             |      | 159,<br>165 |
| 2               | Summit Lake, Ombabika River   |                  |      |             |
|                 | Character; length   | 26               |      | 195         |
|                 | Game birds  | 26               |      | 199         |
|                 | Rocks   | 26               |      | 207         |
| 3               | Summit Lake, Ombabika River   |                  |      |             |
|                 | Fish  | 38               | 2    | 20          |
|                 | Rocks, see map 38b-2 with   | 38               | 2    |             |
|                 | * N.O. - Report on the survey and exploration of Northern Ontario, 1900.            |                  |      |             |
|                 | ** R.C. - Report of the Royal Commission on the Mineral Resources of Ontario, 1890. |                  |      |             |

# ODM GENERAL INDEX SEARCH

Words searched:

| Index<br>Volume | Listing:   | Report<br>Volume   | Part  | Page   |
|-----------------|--|--|---|--|
| 1               | Marshall Lake, headwaters of Lily River<br>Th. B. d.<br>Rocks of area  | 25<br>Bull. 27   | 1   | 268<br>9   |
| 2               | Marshall Lake, Kowkash gold area<br>Pyrrhotite, no commercial value<br>Rocks, description<br>Trees near<br>Whitefish<br><br>Marshall Lake Formation<br>Kowkash gold area, composition and description  | 26<br>26<br>26<br>26<br><br>26                                   |   | 225<br>206-208<br>197<br>199<br><br>201,<br>206,<br>207      |
| 3               | Marshall Lake, N.W. of Kowkash<br>Pyrrhotite<br>Rocks<br>Sand cliffs, photo<br>Timber<br><br>Marshall Lake Series<br>Petrology<br>Pyrite in<br><br>Gripp Lake, W. of Marshall Lake<br>Mica schist, analysis  | 40<br>40<br>40<br>40<br><br>40<br>40<br><br>40                   | 4<br>4<br>4<br>4<br><br>4<br>4<br><br>4         | 104<br>69-70<br>58<br>59<br><br>62,<br>68-70<br>89<br><br>69 |
| 5               | Marshall Lake, N. of Tashota<br>Glacial deposits, notes and photo<br>Pyrrhotite near<br>Rocks<br><br>breccia, notes and photo<br><br>Marshall Lake Group<br>Gripp Lake area, lethology and photos<br><br>Gripp Lake, N.W. of Gzowski tp.<br>Geology of area, report on<br><br>Gripp River, Summit Lake<br>Rocks, photo | 67<br>67<br>67<br><br>67<br><br>67<br><br>67<br><br>67<br><br>67 | 3<br>3<br>3<br><br>3<br><br>3<br><br>3<br><br>3 | 11,12<br>19<br>4,10<br>13<br>7<br><br>4,9<br><br>3<br><br>10 |
| 6               | Langford, F.F.   |  |   |  |

# ODM GENERAL INDEX SEARCH

Words searched:

| Index<br>Volume | Listing:   | Report<br>Volume | Part | Page |
|-----------------|--|------------------|------|------|
|                 | Report by, on Geology of Gripp Lake area         | 67               | 3    |      |
|                 | Little Marshall Lake, N. of Gzowski tp.<br>Rocks | 67               | 3    | 4,5  |

GDIF FORM NO.8

# ODM GENERAL INDEX SEARCH

Words searched:

| Index Volume | Listing: | Report Volume | Part | Page |
|--------------|----------|---------------|------|------|
|              |          |               |      |      |

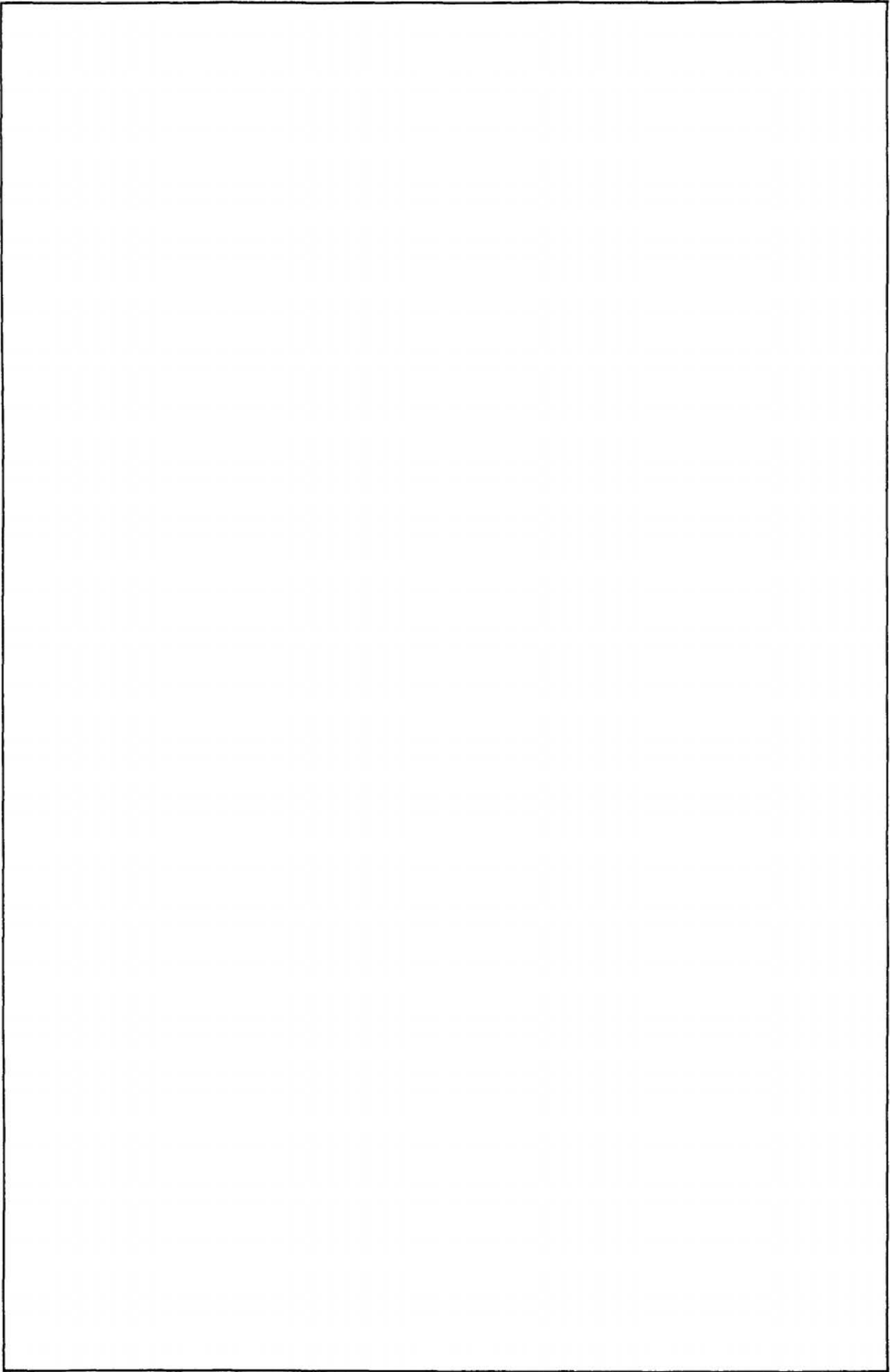
| <b>SELECTED REFERENCES</b>               |      |  | Reference | Map Scales and/or Report Pages |
|--|------|--|-----------|--------------------------------|
| Author                                   | Date | Title  |           |                                |
| Burwash, E.M.                            | 1938 | Route Map, Lake Nipigon to Albany River; Patricia, Kenora, and Thunder Bay Districts, Ontario; Ont. Dept. of Mines Annual Rept. 1938-2; pp. 1-48, accompanied by coloured map 38b-2, scale 1 inch to 4 miles.  |           |                                |
| Pye, E.G., Harris, F.R., and Baillie, J. | 1965 | Ogoki Lake Sheet, District of Thunder Bay, Ontario; Ont. Dept. of Mines Prelim. Map P. 274, scale 1 inch to 2 miles.   |           |                                |
| Clews, D.R. and Lett, R.E.               | 1980 | Surtrace Airborne Geochemical Survey Results, Marshall Lake, N.T.S. 42L/05 NE; Marathon, N.T.S. 42 D/16, Thunder Bay District, Ontario, Open File Report 5315, Toronto, 1980.  |           |                                |
| Jost, M.                                 | 1975 | Nickel Deposits of Ontario, West Central Sheet, Districts of Kenora (Patricia Portion), Thunder Bay, Algoma, and Cochrane; Ontario Div. Mines, Prelim. Map P. 1061, Mineral Deposits Ser., scale 1 inch to 16 miles or 1:1 013 760. Compilation 1974, 1975.          |           |                                |
| Robertson, James A.                      | 1975 | Uranium and Thorium Deposits of Ontario, North Central Sheet, Districts of Kenora (Patricia Portion), Thunder Bay, Algoma and Cochrane; Ontario Div. Mines, Prelim. Map P. 970, Mineral Deposits Series, scale 1 inch to 16 miles. Compilation 1973, 1974.           |           |                                |
| Gordon, J.B.                             | 1977 | Gold Deposits of Ontario, West Central Sheet, Districts of Kenora (Patricia Portion), Thunder Bay, Algoma and Cochrane; Ontario Geological Survey Prelim. Map P. 1227, Mineral Deposits Ser., scale 1:1 013 760 or 1 inch to 16 miles. Compilation 1974, 1975, 1976. |           |                                |

| SELECTED REFERENCES                                    |               | Reference | Map Scales and/or Report Pages |  |
|--|---------------|-----------|--------------------------------|--|
|  |               |           |                                | Author   |
| Hopkins, P.E.  | 1916          |           |                                | Kowkash Gold Area, Thunder Bay District, Ontario; Ont. Bur. of Mines Annual Report Vol. 25, pt. 1, pp. 264-274. Accompanied by Map 25A scale 1 inch to 4 miles*<br>* Out of print.   |
| Ontario Department of Mines                            | 1967,<br>1974 |           |                                | Ontario Mineral Map, compiled by Geological Branch, Ontario Department of Mines Color Map 2148, Toronto 1967, IIN-25MI, 39X41IN, New Map No. 2310 for 1974 Revised Edition.          |
| Pye, E.G., Harris, F.R., Fenwick, K.G., and Baille, J. | 1965          |           |                                | REGIONAL GEOLOGICAL COMPILATION MAP<br>Tashota-Geraldton Sheet; Ontario Department of Mines, Map 2102, Geological Compilation Series, scale 1:253 440 or 1 inch to 4 miles.          |
| ODM - GSC  |               |           |                                | GEOPHYSICAL MAPS<br>Aeromagnetic Maps 2138G, 7120G   |
| Cooper, A.J.   | 1981          |           |                                | SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING<br>Northern Ontario Engineering Geology Terrain Study, Data Base Map, Onaman Lake; Ontario Geological Survey, Map 5124, scale 1:100 000. |
| Zoltai, S.C.   | 1965a         |           |                                | Glacial Features of the Quetico-Nipigon Area, Ontario; Canadian Journal of Earth Science, Volume 2, p.217-269.   |
|  | 1965b         |           |                                | Surficial Geology, Thunder Bay District; Ontario Department of Lands and Forests, Map S265.  |

| SELECTED REFERENCES |   | Date | Author | Title   | Reference  | Map Scales and/or Report Pages |
|---------------------|---|------|--------|---|--|--------------------------------|
|                     |   |      |        |   |  |                                |
|                     | Zoltai, S.C. cont'd                             | 1967 |        | Surficial, Pleistocene, Terrain Engineering and Glacial Features of the North-Central Lake Superior Region, Ontario | continued Canadian Journal of Earth Science, Vol.4, p.515-528          |                                |
|                     | Springer, Janet                                 | 1978 |        | MINERAL POTENTIAL MAP<br>Ontario Mineral Potential, Nakina Sheet, Districts of Thunder Bay and Cochrane             | Ontario Geological Survey, Prelim. Map P.1535                          | 1:250 000                      |
|                     | Amukun, S.E., Foster, J.R., and MacDonald, J.A. | 1978 |        | GEOLOGICAL REPORTS AND MAPS<br>Little Marshall Lake Area, District of Thunder Bay                                   | Ontario Geological Survey, Prelim. Map P.1561                          | 1:15 840                       |
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**NOTES AND ADDENDA**



SUMMIT LAKE AREA