





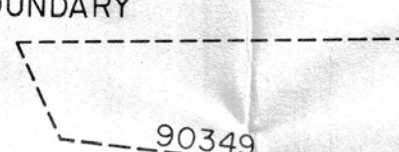


### LEGEND

- |    |   |    |  |
|----|---|----|--|
| 16 | Paragneiss  |    |  |
| 15 | Migmatite - pegmatite complex   |    |  |
| 14 | Quartz monzonite  |    |  |
| 13 | Diabase   |    |  |
| 12 | Pegmatite   |    |  |
| 11 | Pegmatitic granite, aplitic phases  |    |  |
| 10 | Quartz monzonite I Lac du Bonnet Pluton                                     |    |  |
| 9  | Quartz diorite, granodiorite I Great Falls Pluton                           |    |  |
| 8  | Clinopyroxenite, metamorphosed equivalents                                  | 5  | Subgreywacke, sandstone, metamorphosed equivalents                           |
| 7  | Gabbro, metamorphosed equivalents   | 4a | Lithic wacke, greywacke, metamorphosed equivalents                           |
| 6a | Anorthositic gabbro, gabbro, anorthositic metamorphosed equivalents         | 4A | Chert pebble conglomerate, polymictic conglomerate metamorphosed equivalents |
| 6A | Serpentinized Peridotite, serpentinite                                      | 3a | Pebbly wacke, Metamorphosed equivalents                                      |
|    |   | 3A | Greywacke, minor crystal tuff, metamorphosed equivalents                     |
|    |   | 2  | Pebbly conglomerate, metamorphosed equivalents                               |
| 1e | Gabbro, metamorphosed equivalents   |    |  |
| 1a | Tuff, fragmental volcanics, minor pillow lava, metamorphosed equivalents    |    |  |
| 1c | Pillow and flow lava, tuff, fragmental Volcanics, metamorphosed equivalents |    |  |
| 1A | Pillow and flow lava, minor tuff, metamorphosed equivalents                 | 1a | Greywacke, volcanic wacke, metamorphosed equivalents                         |

- Geological Boundary, (defined, gradational, approximate, underwater)
- Fault (defined, assumed)
- Axis of major fold (syncline, synform)
- (anticline, antiform)
- Airphoto lineament
- Mineshaft
- Provincial road, private road
- Powerline

## SYMBOLS

- |                |                           |   |   |   |
|----------------|---------------------------|---|---|---|
| GROUND SURVEYS | ELECTRO-MAGNETIC ANOMALY  | Strong  | Medium  | Weak  |
|                | Single Zone               |    |    |  |
|                | MAGNETIC ANOMALY          |  M |  M |   |
|                | SELF-POTENTIAL ANOMALY    |   |   |   |
|                | SP                        |    |   |   |
|                | GEOPHYSICAL GRID BOUNDARY |    |   |   |

GEOPHYSICAL PLOTS BY I.T. HOSAI  
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To Accompany Open File Report 78/

Geological base map derived from Mon. Min. Res. Div. Map 1972 F-3 by D.L. Truett

MAP 78/4-1A  
COMPILATION OF THE GROUND GEOPHYSICAL SURVEY:  
FROM THE OPEN ASSESSMENT FILES

BIRD RIVER AREA  
MANITOBA

