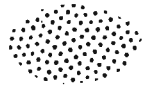
## LIST OF SYMBOLS USED ON GEOLOGICAL MAPS AND FIGURES

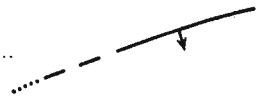
*Drift covered area* .....



*Rock outcrop, area of outcrop, probable outcrop, float, frost-heaved rock* .....

*Geological boundary (defined, approximate, assumed, gradational, dip indicated)*


*Intrusive contact with younger unit indicated* .....

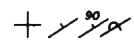


*Unconformity (defined, assumed)* .....

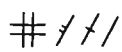
*Limit of geological mapping* .....

*Limit of area surveyed with aircraft* .....

*Bedding, tops known (horizontal, inclined, vertical, overturned)* .....




*Bedding, tops unknown (horizontal, inclined, vertical, dip unknown)* .....



*Bedding, general trend (dip unknown, top unknown; dip and top known; dip known, top unknown)* .....

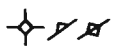
*Bedding, estimated dip (gentle, moderate, steep)* .....


*Igneous flow banding (inclined, vertical)* .....

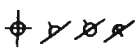
*Igneous intrusive sheets (inclined, vertical)* .....


*Primary igneous layering, tops known (horizontal, inclined, vertical, overturned)* ...

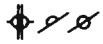
*Primary igneous layering, tops unknown (horizontal, inclined, vertical)* .....



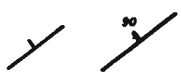
*Strike and dip of pillows, tops known (horizontal, inclined, vertical, overturned)* .....



*Strike and dip of pillows, tops unknown (horizontal, inclined, vertical)* .....



*Primary igneous mineral lamination (inclined, vertical)* .....




*Primary igneous mineral lineation (inclined, vertical)* .....

*Flow Contact*

*Zone containing xenoliths*

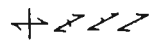
*Zone of intrusive agmatite*

*Roof pendant (unit number indicated; too small to map separately)*

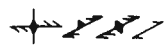
*Zone containing autoliths*

*Breccia of various origins*

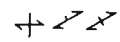
*Slaty cleavage (horizontal, inclined, vertical, dip unknown)*



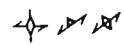
*Strain-slip cleavage (horizontal, inclined, vertical, dip unknown)*



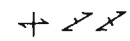
*Schistosity, cleavage, foliation; used where ages of foliation are indicated on the map (horizontal, inclined, vertical)*



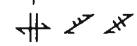
*Schistosity of unknown age*



$S_1$



$S_2$



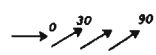
*Schistosity, gneissosity, cleavage, foliation, general trend*

*Gneissic foliation (horizontal, inclined, vertical, dip unknown)*

*Gneissic banding (horizontal, inclined, vertical)*

*Axial plane of minor fold (inclined, vertical, dip unknown)*

*Lineation (horizontal, inclined, inclined but plunge unknown, vertical)*




*Type of lineation denoted by letter:*

*Mineral lineation*


*S intersections*


*Microcrenulations*


*Boudin axes*


*Deformed clasts*


*Igneous inclusions*


*Rodding, mullion structure*


*Metamorphic aggregates*


*Deformed pillows*

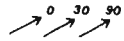
*Age of lineation and of minor fold axes*

*Lineation of unknown age*

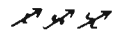
$L_1$

$L_2$

*Axes of minor folds (horizontal, inclined, vertical)*




*Sense of vergence of minor structures (used with minor fold axes symbol or lineation S intersection symbol; read looking along the arrow)*

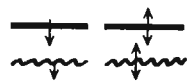


*Structural trend (from aerial photographs)*

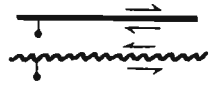
*Lineament (from aerial photographs)*

*Fault (defined, approximate, assumed)*

*Fault (inclined, vertical)*

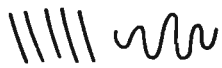


*Fault (solid circle indicates downthrown side, arrows indicate relative movement)*



*Thrust fault (teeth in direction of dip; defined, approximate, assumed) (teeth indicate upthrust side)*

*Zone of numerous imbricate thrust faults*



*Fault zone, shear zone (width indicated)*

*Tectonic slide*

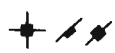
*Vein fault (defined, assumed)*



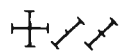
*Mineralized bed or seam (hematite)*


*Dike, vein, or stockwork (defined, approximate, assumed; unit number and dip indicated)*

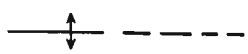

*Joint (horizontal, inclined, vertical)*



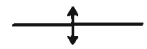
*Sheeted dikes (horizontal, inclined, vertical)*



*Anticline (defined, approximate, assumed)*



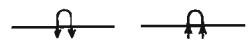
*Antiform*



*Syncline (defined, approximate, assumed)*

*Synform*

*Anticline and syncline (overturned)*

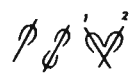


*Anticline or syncline (arrow indicates plunge)*



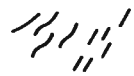
*Antiform or synform*

*Glacial striae (direction of ice movement known, unknown). Numbers indicate relative age, 1 being the oldest*




*End moraine*

*Minor moraines, rib moraines, washboard moraines, "annual" moraines, till ridges transverse to ice flow (irregular, straight)*



*Drumlins, drumlinoid ridges (direction of ice movement known, unknown)*

*Crag and tail hills and ramps*

*Glacial linear feature*



Pingo or palsen

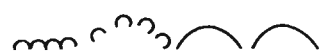
*Esker (direction of flow known, unknown)*



*Esker (continuous, discontinuous)*



*Raised beaches*



*Limit of marine or lacustrine submergence (well marked, assumed)*



*Dunes*

*Area of sand dunes*

*Buried valley*

*Abandoned river channel, spillway, ice-marginal channels, rill patterns, etc.* .....

*Landslide scar* .....

*Escarpment and cirques* .....

*Fossil locality* ..... Ⓕ

*Locality where age has been determined, in millions of years* ..... Ⓐ 180

*Ice divide* .....

*Land system boundary* .....

*Location of measured section* .....

*Gravel pit or quarry (active, abandoned)* .....

*Borrow pit (active, abandoned)* .....

*Rock dump or tailings* .....

*Rock quarry (active, abandoned)* .....

*Mine (lead, zinc)* ..... Pb, Zn

*Mine (lead, zine; abandoned)* ..... Pb, Zn

*Mineral prospect; mineral occurrence (manganese)* ..... ×9 × Mn

*Placer deposit (gold)* ..... × Au

*Show of oil and gas (abandoned)* .....

*Show of gas(abandoned)* .....

*Gas producer* ..... o

*Oil producer* .....

*Oil and gas producer* ..... •

*Location of drilling* ..... 

*Dry (abandoned)* ..... 

*Water source or disposal* ..... 

*Shearing and dip* ..... 

*Salt spring* ..... 


*Hot spring* ..... 


*Mineral isograd* ..... 

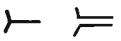
*Other alternatives when more than one* ..... 

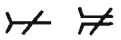
*Shaft, raise, winze* ..... 

*Shaft (abandoned)* ..... 

*Trench* ..... 

*Open cut; axial* ..... 

*Adit or tunnel* ..... 

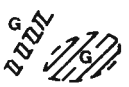
*Adit or tunnel (caved)* ..... 

*Borehole* ..... ●BH ●BH 3

*Diamond drill hole* ..... ● DDH

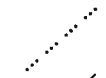
*(Surface projection of geology inferred)* ..... 

*Sinkhole* ..... ○ SH

*Gossan* ..... G 


*Trace of coal seam* ..... 

## ADDITIONAL SYMBOLS

*Geological boundary (geophysically defined)* . . . . . 

*Geophysical conductor* . . . . . 

*Roche moutonnee* . . . . . 

*Meltwater channel* . . . . . 

*Sinkhole* . . . . . SH

*Open pit, mine or quarry* . . . . . 

*Locality where age has been determined, in thousands of years before the present* . . . . . Ⓕ$^{12.5}$

*Till fabric (direction known, unknown, known plus cross fabric)* . . . . . 

### *SAMPLE LOCALITIES (SURFICIAL)*

| | | | |
|---|---|---|---|
| *Glacial till* . . . . . | ● | *Clay* . . . . . | + |
| *Gravel* . . . . . | ⊗ | *Organic* . . . . . | ✸ |
| *Sand* . . . . . | ○ | *Rock* . . . . . | Ⓡ |
| *Silt* . . . . . | ■ | *Pleistocene fossil* . . . . . | Ⓕ |