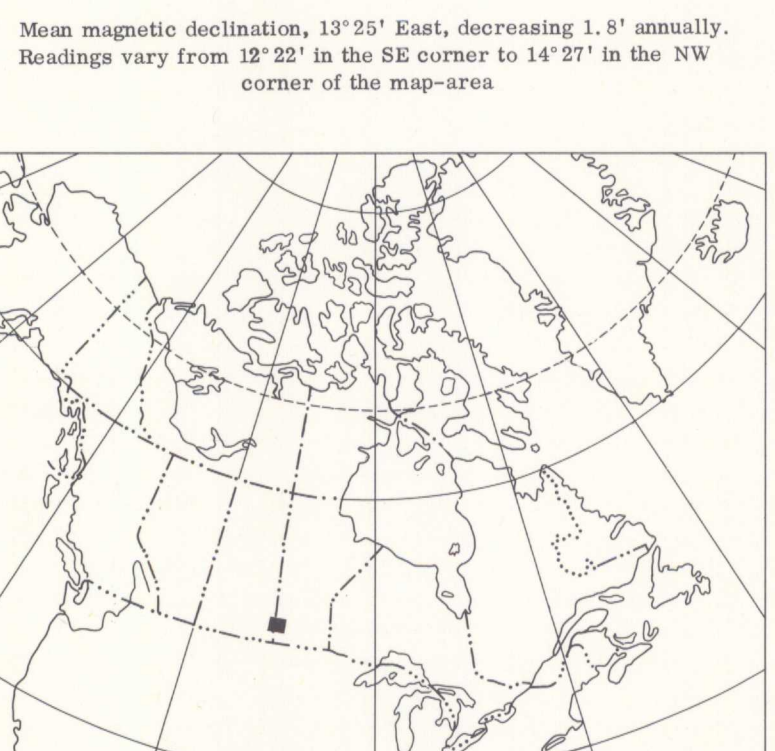
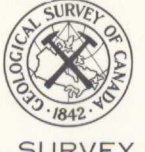


- QUATERNARY**
- POST-GLACIAL DEPOSITS**
- 14 Swamp deposits
 - 13 Undifferentiated deposits (includes exposed bedrock on eroded valley walls); colluvium, thin till over bedrock, Quaternary alluvium in small stream valleys; 13a, till and alluvium, bedrock not exposed
 - 12 Stream deposits (alluvium present on flood plains): sand, silt, gravel; local exposures of eroded till and bedrock
 - 11 Wind deposits (includes areas of blowouts); dunes formed on outwash deposits: sand
- LATE GLACIAL AND EARLY POST-GLACIAL DEPOSITS**
- 10 Lake deposits: clay, silt, sand; 10a, silt and clay
 - 9 Stream terrace deposits: gravel, sand; exposures of eroded till; 9a, gravel and sand, 10 feet to 50 feet thick; 9b, chiefly eroded till
 - 8 Stream deposits (alluvium laid down in and along ice marginal channels): gravel, sand
- GLACIAL DEPOSITS**
- 7 Ice Contact deposits: sand, gravel, minor till; 7a, kames; 7b, eskers; 7c, kame moraines consisting of kames, eskers, and numerous linear ridges
 - 6 Outwash: gravel, sand, silt; 6a, pitted: chiefly gravel; 6b, non-pitted: chiefly sand; 6c, non-pitted: chiefly gravel; 6d, present in deltas, gradational to lake deposits; 6e, hummocky: chiefly silt, lake deposits in part
 - 5 Moraine plateaux and rim ridges: till, silt, clay, gravel
 - 4 Hummocky stagnation moraine (knob and kettle topography exhibiting circular ridges and depressions): till; 4a, flat to gently undulating, perhaps subdued by lakewater or meltwater erosion (patterns detectable on air photos only); 4b, average relief less than 10 feet; 4c, average relief between 10 feet and 25 feet; 4d, average relief greater than 25 feet
 - 3 Ridged recessional moraine (knob and kettle topography exhibiting strong alignment of depressions, ridges and knolls): till; 3a, flat to gently undulating, patterns subdued, perhaps by lakewater or meltwater erosion; 3b, average relief less than 10 feet; 3c, average relief between 10 feet and 25 feet; 3d, average relief greater than 25 feet
 - 2 Irregular recessional moraine (flat to undulating till plains with belts or patches of knob and kettle topography): till; 2a, subdued by lakewater or meltwater erosion; 2b, average relief less than 10 feet; 2c, average relief between 10 feet and 25 feet; 2d, average relief greater than 25 feet
 - 1 Ground moraine (drumlinized bedrock hills, drumlins, and flutings common, bedrock generally less than 10 feet below surface): till; 1a, modified by lakewater or meltwater erosion; 1b, flat to moderate relief, in part modified by lakewater or meltwater erosion; 1c, strongly rolling; 1d, drumlinized hill or drumlin
- MESOZOIC**
- CRETACEOUS**
- R Bedrock (exposed or covered by less than 1 foot of drift). Riding Mountain Formation: grey to greenish grey, soft shale; light grey, hard, siliceous shale
- Bedrock outcrop:
- Geological boundary (defined, approximate):
- Ice-flow feature: small drumlins, drumlin-like bedrock ridges, flutings (actual length indicated):
- Striations on boulder pavement; dominant direction:
- Esker ridge: gravel, sand, silt (direction of flow defined, not defined):
- Moraine ridge, crevasse filling, or ridge of unknown origin: till, gravel, sand (approximate length indicated):
- Slump area in bedrock:
- Meltwater channel (major channel, minor channel):
- Sub-glacial stream valley: valley cut through ridge (commonly bedrock) by sub-glacial stream that elsewhere deposited esker ridge:
- Buried valley:
- Erosional remnant: bedrock hill with drift cover less than 10 feet thick:
- Geology by R. W. Klassen, 1961-64
- Geological cartography by the Geological Survey of Canada, 1965
- Road, all weather:
- Other roads:
- Cart track:
- Trail:
- Railway:
- Post Office:
- Provincial boundary:
- Township boundary:
- Section line:
- Park boundary:
- Indian reserve:
- Intermittent lake and stream:
- Marsh:
- Contours (interval 100 feet):
- Height in feet above mean sea-level:
- Base-map compiled and drawn by the Surveys and Mapping Branch, 1963



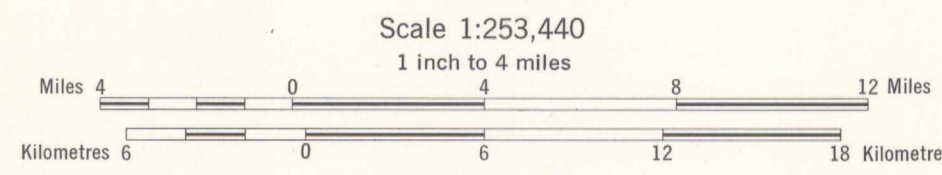
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