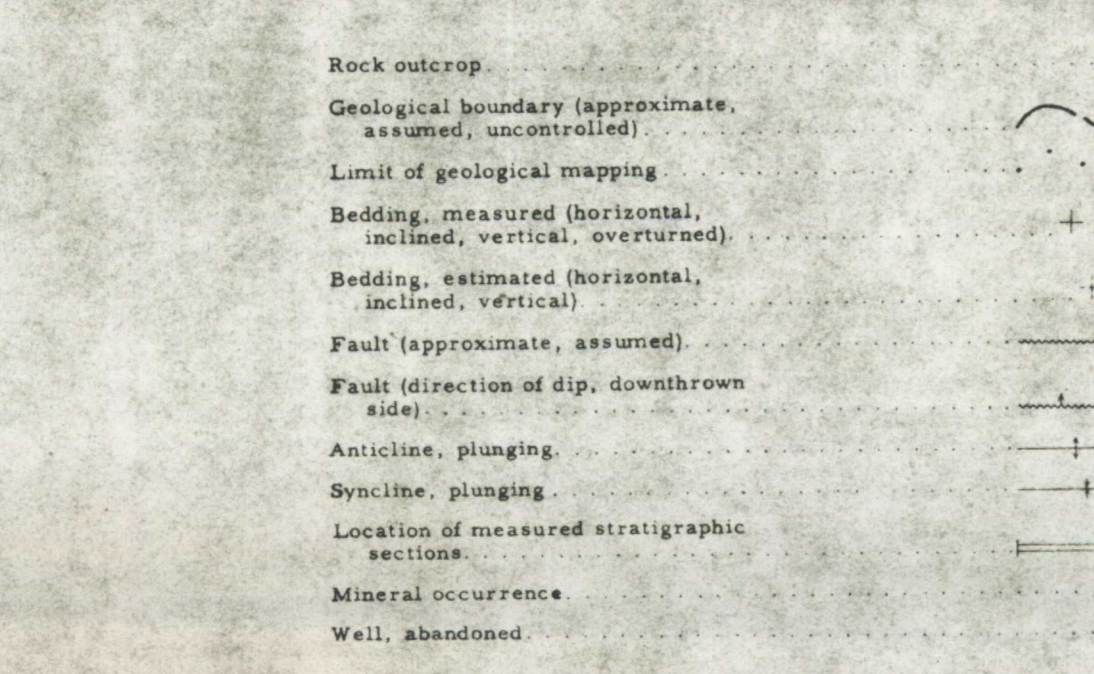


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GEOLOGICAL SURVEY OF CANADA  
 DEPARTMENT OF MINES AND TECHNICAL SURVEYS

**LEGEND**  
 Map units 2, 4, 10, 16, 18 to 36 appear on Map 23-1960, "Sibbeston Lake".  
 Map units 1, 3, 5 to 9, 11 to 13, 20 to 23, 27, 29 to 34 appear on Map 22-1960, "Virginia Falls".

- CENOZOIC**
- PLEISTOCENE AND RECENT**
- 36 Alluvial sand and silt of Liard and lower South Nahanni Rivers
- MESOZOIC**
- CRETACEOUS**
- UPPER CRETACEOUS**
- 35 Sandstone, fine-grained
- LOWER CRETACEOUS**
- 34 Shale, dark grey; siltstone
- CARBONIFEROUS**
- MATTSON FORMATION:**
- 33 Lower part, grey sandstone, shale, coal; 32b, middle grey to brown sandstone; 33c, upper part, grey sandstone, limestone, shale
- 32 Limestone, grey, fossiliferous, crinoidal and argillaceous, shale, grey, sandstone
- 31 Shale, fissile, black; thin limestone
- 30 Sandstone, thinly bedded; limestone, silty
- DEVONIAN**
- UPPER DEVONIAN**
- 28 Shale, black, fissile; sandstone, limestone
- 26 Limestone, sandy
- 25 Limestone, bioclastic, argillaceous, massive, grey
- 24 Shale, dark greenish grey; sandstone, calcareous
- SIMPSON FORMATION:**
- 23 Shale, black, fissile; siltstone, thinly bedded
- MIDDLE DEVONIAN**
- NAHANNI FORMATION:**
- 22 Limestone, bioclastic, thick bedded; shale, dolomite
- 21 Shale, dark grey; calcareous; limestone, argillaceous
- 19 Dolomite, coarsely crystalline, massive
- 18 Dolomite, fine-grained, black, banded dark and medium grey weathering
- DEVONIAN ? AND EARLIER**
- 13 Dolomite, fine-grained, grey, banded light and medium grey weathering
- 12 Dolomite, cryptocrystalline, black, banded dark grey weathering
- 11 Dolomite, fine-grained, grey, banded light and medium grey weathering
- 10 Dolomite, silty; sandstone
- 9 Thinly bedded, shaly beds
- 8 Includes sandstone, coarse-grained
- 7 Includes limestone, grey, orange and pink weathering (probably equivalent to map-unit 1)
- ORDOVICIAN AND SILURIAN**
- 6 Dolomite and limestone, weathering banded grey and red
- 5 Shale, grey, argillaceous; limestone, thinly bedded, buff weathering
- 3 Limestone, dark grey; dolomite, massive; shale, grey weathering
- SUNBLOOD FORMATION:**
- 1 Limestone, cryptocrystalline, orange and pink weathering
- 2 Dolomite, cryptocrystalline, pink, sandstone, orange and pink weathering
- 29 Shale, dark grey (may include equivalents of map-units 20 to 28, 30 to 32 and possibly some older beds)
- 27 Siltstone, calcareous; sandstone, silty (may be equivalent to map-units 24 to 26)
- 20 Shale (equivalent to undivided map-units 17 and 21)
- 15 Limestone, shale; dolomite (may include equivalents of map-units 3, 5, 8, 9, 14, 16 and possibly some younger beds)



Geology by W. B. Brady, R. J. W. Douglas, P. Marker, D. J. McLaren, D. K. Norris, B. A. Pelletier, D. F. Scott, 1957; C. O. Hage, 1964

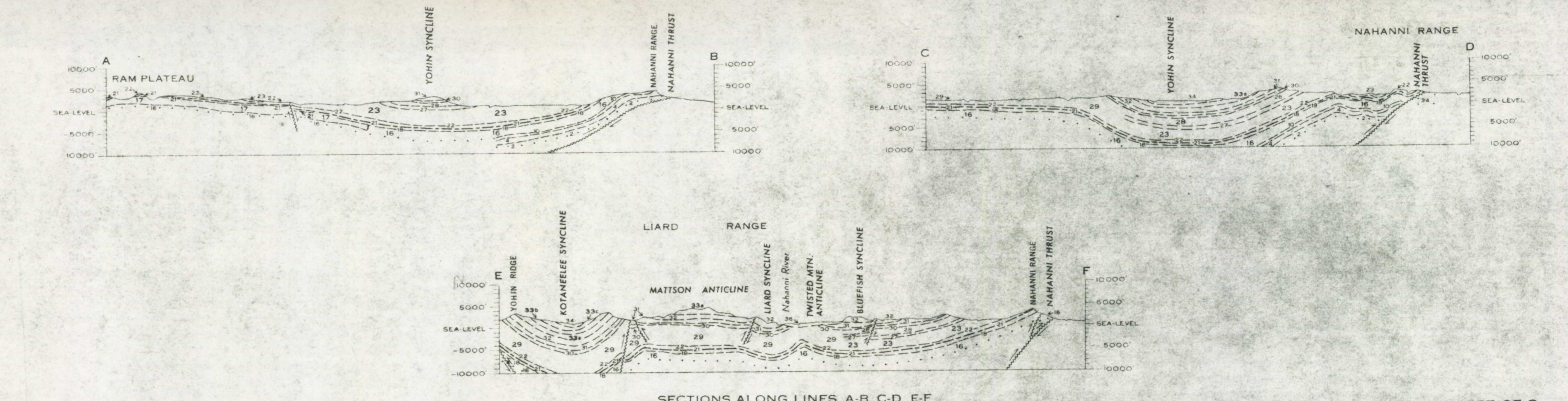
Compiled by R. J. W. Douglas and D. K. Norris, 1960

Cartography by the Geological Survey of Canada, 1960

Approximate magnetic declination, 34° 42' East

Air photographs covering this area may be obtained through the National Air Photographic Library, Topographical Survey, Ottawa, Ontario

In response to public demand for earlier publication, Preliminary Series maps are issued in this simplified form and will be clearer to read if all or some of the map-units are hand-colored



MAP 23-1960  
 TO ACCOMPANY PAPER 60-19  
**GEOLOGY**  
**SIBBESTON LAKE**  
**DISTRICT OF MACKENZIE**  
**NORTHWEST TERRITORIES**

Scale: One Inch to Four Miles =  $\frac{1}{253,440}$  Miles

Geographical names subject to revision

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**LEGEND**

Cabin

Intermittent stream

Marsh

Sand

Contours (interval 1,000 feet)

Height in feet above mean sea-level

MAP 23-1960  
 SIBBESTON LAKE  
 NORTHWEST TERRITORIES  
 SHEET 95 G