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Canada

*This map has been produced from a scanned version of the original map
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LEGEND

Reference letters in legend appear on sheet at only 1 only

QUATERNARY

Undivided, unconsolidated glacial deposits. Includes till and glaciofluvial gravel and sand forming terraces and terraces

MIDDLE PROTEROZOIC

COPPERINE RIVER GROUP

MACKENZIE DYKES, diabase, gabbro

EARLY PROTEROZOIC

CORONATION SUPERGROUP

RECLUSE GROUP

COWLES LAKE FORMATION: massive argillite rhythmites, bedded fine grained greywacke turbidites, about 1 km thick, interbedded lower contact

ASAK FORMATION: heterolithic light greywacke, dark grey medium to thick bedded, commonly grey. Maximum thickness 1.5 km

KIKER FORMATION: pelvis with calcareous concretions, 0.5 km in diameter. Thickness 50-100 m; conformable base

FONTANO FORMATION: pellets, laminated, graphitic and sulphidic. Thickness is 50-250m, increasing eastward, conformable base

TREE RIVER FORMATION: pelite and fine grained quartzite, thinly interbedded, with a few flungellous and/or glauconitic dolomite beds, 50 m thick, disconformable with Recluse Formation

EPWORTH FORMATION

ROCKHOLE FORMATION

Undivided Rockhole Formation

Top member: dolomite microbial flora, grey, with microgastrolite and less common dolomite stromatolites; branching columnar stromatolites at top. Thickness is typically 100 m; conformable base

Striped member: argillaceous dolomite interbedded with subordinate dolomite containing dorsal stromatolites and microbial flora. Thickness is typically 60 m; conformable base

This member: cherty dolomite with dorsal stromatolites; interbedded with minor argillaceous dolomite. Thickness is typically 40 m; conformable base

Red shale member: argillaceous dolomite and dolomite, minor intercalated dolomite intercalated pelagite, massive. Thickness 60 m; conformable base

Dorsal stromatolite member: cherty dolomite, dark grey, with abundant linked dorsal stromatolites, and minor microbial flora, minor interbedded stromatolites at top. Thickness about 60 m; conformable base

Pink cherty member: minor stromatolites, pink and cream, wave-rippled, with abundant nodular chert; dolomite stromatolites, argillaceous dolomite, 40 m thick, conformable base

Thrombolitic member: stromatolitic and thrombolitic cherty dolomite, subordinate argillaceous dolomite, cherty conical stromatolites at top

Intracrustal member: dolomite with partially linked, elongate columnar stromatolites at base, dolomite intercalated granitoprestromatolites with minor stromatolites at top; conformable base

Lower shale member: argillaceous dolomite with minor stromatolitic dolomite; dark grey, cherty, dolomite microbial flora with minor dolomite at top; 60 m thick, conformable base

Basal member: dolomite with subordinate stromatolitic dolomite; dark grey, cherty, conical stromatolites and microbial flora at top. About 300 m thick

QUOICH FORMATION

Upper member: argillite, with subordinate thin quartzite or dolomite quartzite and granitoides, interbedded dolomite stromatolite, mudrills and beds increase from 100 to 300 m thick, conformable base

Lower member: orthoquartzite and heterolithic quartzite, mudstone to thickly bedded, commonly tough crossbedded, with infrequent peglike conglomerate lenses. Interbedded argillite increases westward; at least 500 m thick, base not exposed

Wapiti

Geological boundary (defined, inferred or covered)

Restoration line

Fault (defined, inferred or covered)

Fault with strike-slip (defined, inferred or covered)

Fault with dip-slip (solid circle indicates downthrow side)

Fault with oblique-slip

Trace (defined, inferred or covered)

The greatest proportion of geological mapping was by R. Tirul and P.F. Hoffman, 1982 to 1983. Significant contributions were made by M.E. Grier, J.P. Grotzinger, B. Johnson and S.B. Lucas, M. Cunnane, M.D. Dayneka, C.A. Gittins and M.R. St-Onge also provided data

Compiled by R. Tirrul 1965, 1966

Geological cartography by the Geological Survey of Canada



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GEOLOGICAL SURVEY

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Sheet 2 of 2, Map 1654A, Geolog

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1992: Geology and structural restoration of the East-Central Part of A
Thrust-Fold Belt, Wopmay Orogen, Northwest Territories;
Geological Survey of Canada, Map 1654A, scale 1:50 000

1. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

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