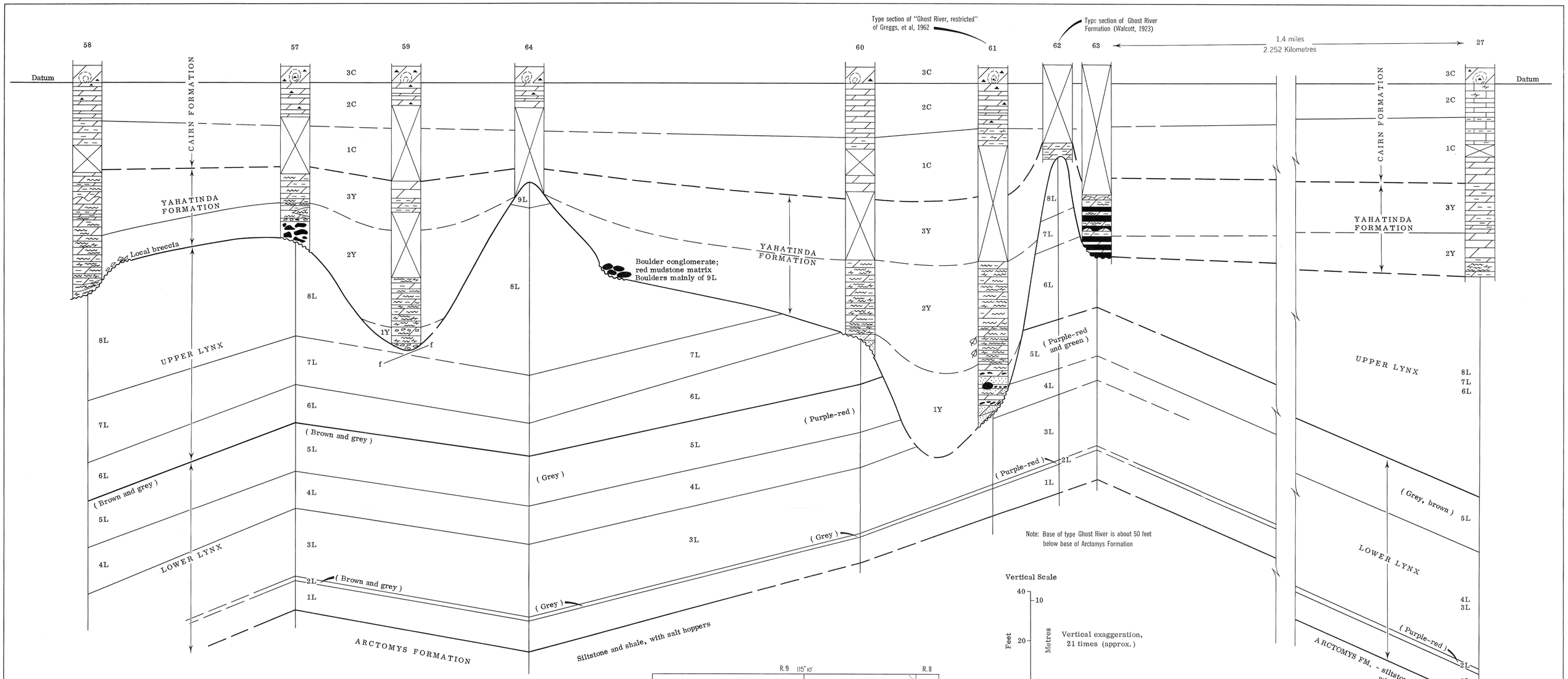
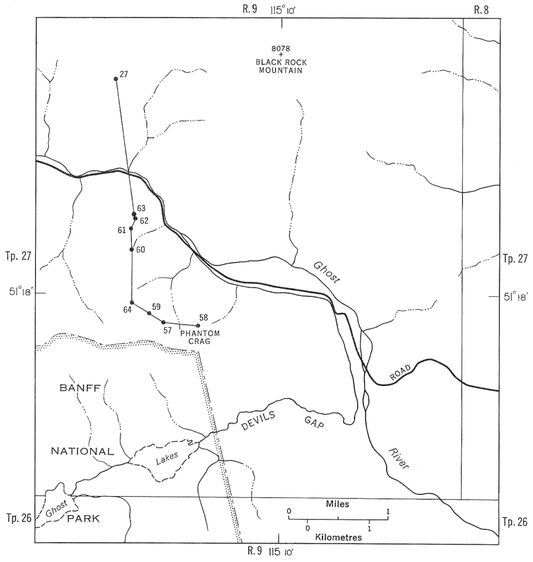
GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS



Description of Numbered Lithologic Units

CAIRN	3C	Dolomite, brown, crystalline, fetid; abundant silicified stromatoporoids; very thick-bedded, massive, cliff-forming.
CAIRN	2C	Dolomite, brown, very fine crystalline, with various relict pellet and intraclast fabrics, fetid; scattered small chert blebs, rare silicified small stromatoporoids; medium- and thin-bedded, massive, flaggy, platy; moderately recessive. Locally, brown dense limestone (pellet-micrite).
CAIRN	1C	Dolomite, brown to grey, microcrystalline, calcareous, partly argillaceous, laminated, shaly to flaggy, very recessive, generally covered. Locally, dense limestone with traces of breccia.
YAHATINDA	3Y	Dolomite, mainly dolsilitite, grey, yellow-grey, greenish-grey, locally purple- mottled, locally red, argillaceous, generally silty, commonly earthy; irregularly, lenticularly bedded, massive to flaggy. Minor mudstone, green-grey, purple, and sedimentary breccia. Rare stromatolites. Unit is moderately recessive.
YAHATINDA	2Y	Interbedded dolsilitite, partly grey with pink to red mottling, partly purple-red, very silty, argillaceous, and siltstone, similarly coloured, argillaceous; thin-bedded, flaggy, to medium-bedded, massive. Locally contains minor mudstone as above. Local breccia, where this is the basal unit. Unit is moderately resistant.
YAHATINDA	1Y	Mainly dolarenite, purple-red to grey, mainly fine- and very fine-grained, silty and sandy, thin- and medium-bedded, cross-laminated, scour-and-fill structures common. Minor beds of conglomerate and breccia composed of pebbles to boulders derived from the Lynx Formation. Unit is moderately to strongly cliff-forming.
LYNX	9L	Oolitic dolomite
LYNX	8L	Dolomite and siltstone
LYNX	7L	Dolomite
LYNX	6L	Cross-laminated siltstone
LYNX	5L	Shale, with dolomite beds
LYNX	4L	Pink dolomite with chert
LYNX	3L	Massive dolomite
LYNX	2L	Shale, brown, grey, locally red
LYNX	1L	Dolomite with siltstone laminae

For detailed descriptions, see Appendix, pp. 80-81



INDEX MAP
Part of Tp. 27, R.9
West of the Fifth Meridian, Alberta

LEGEND

Limestone; calcareous	Sandstone; sandy	Stromatolites
Dolomite; dolomitic	Conglomerate; breccia	Covered interval
Shale, mudstone; argillaceous, shaly	Chert	Plant fossils or fragments
Siltstone; silty	Stromatoporoids	Boulders

Formational contact
Marker horizon
Physical evidence of unconformity
Fault . . . . . f

To accompany Paper 64-33, by J. D. Aitken

Published 1966

Figure 6. Detailed stratigraphic relationships at type area of the "Ghost River Formation", Ghost River area, Alberta

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