



LEGEND
NAHANNI - 105 I
SHOWING PROPOSED EXPL. AREA 1973
CIRCLED IN PURPLE

- MESOZOIC CENOZOIC**
- 20** PLEISTOCENE AND RECENT
Unconsolidated glacial and alluvial deposits
 - 19** CRETACEOUS
Medium-grained biotite, biotite-hornblende and hornblende-quartz monzonite, granodiorite and minor granite; commonly porphyritic; 19a, biotite-bearing hornblende granite; 19b, quartz latite porphyry
 - 18** DEVONIAN AND (?) MISSISSIPPIAN
Black shale and argillite, in part light grey-weathering, minor brown sandstone, siltstone and light to dark grey-weathering banded chert; 18a, dark grey to brown chert pebble conglomerate, chert sandstone and siltstone; 18b, undivided 18, 18a and minor 10
 - 17** MIDDLE DEVONIAN
NAHANNI FORMATION: resistant, fine- to medium-grained light grey-weathering limestone; 17a, fine- to coarse-grained light grey limestone, in part bioclastic and dolomitic; correlation uncertain
 - 16** HEADLESS FORMATION: buff-brown-weathering argillaceous and silty fine-grained limestone, platy to thin-bedded; minor calcareous shale and resistant light grey-weathering massive limestone; 16a, probably includes Funeral Formation; 16b, resistant light grey to white-weathering crinoidal limestone and grey dolomite, massive and thick bedded
 - 15** Dark grey to black-weathering very fine- to crypto-grained platy limestone; in part flaggy and thin-bedded; minor black chert; rouge hematite-rich bands and laminations common; 15a, includes much light and medium grey dolomite, mainly correlative with the Arnica and Landry Formations but includes rocks as old as Upper Ordovician
 - 14** LANDRY FORMATION: light silvery grey-weathering fine-grained dark grey limestone, thin- to thick-bedded; in part crinoidal and massive
 - 13** ARNICA FORMATION: dark grey, well-bedded dolomite; in part interbedded light and dark grey
 - 12** LOWER DEVONIAN
SOMBRE FORMATION: light and medium grey banded dolomite; 12a, dark grey dolomite
- SILURIAN AND DEVONIAN**
- 11** DELORME FORMATION: buff, orange, light grey-weathering dolomite and limestone
- ORDOVICIAN AND SILURIAN**
- UPPER ORDOVICIAN AND SILURIAN**
- 10** Black graphitic shale, dark grey to black, fissile to flaggy, argillaceous limestone; minor black chert, cherty argillite and dolomite
- MIDDLE ORDOVICIAN TO SILURIAN**
- 9** Light and medium grey, thick-bedded, medium-grained dolomite and massive, light to medium grey-weathering, dark grey, fine-grained limestone, in part argillaceous, silty and dolomitic, platy and buff- or pink-weathering; 9a, mainly limestone
- CAMBRIAN AND (?) ORDOVICIAN**
- 8** Undifferentiated units 4, 5, 6 and 7; 8a, mainly 6 or 7; 8b, mainly 4 or 5
- UPPER CAMBRIAN AND (?) ORDOVICIAN**
- 7** Irregularly banded blue-grey-weathering, dark grey, fine-grained limestone; buff- to orange-weathering dolomitic siltstone; minor flaggy and thin-bedded orange-weathering silty dolomite; locally includes sandy dolomite and quartzite at base; 7a, red, orange, and brown-weathering sandstone, sandy dolomite and quartzite locally includes 7; 7b, correlation uncertain, possibly includes 6
- CAMBRIAN**
- MIDDLE CAMBRIAN**
- 6** Grey and brown siltstone, limestone and orange-weathering silty dolomite; platy to thin-bedded; 6a, possibly includes 7
- LOWER AND (?) MIDDLE CAMBRIAN**
- 5** Brown- to orange-weathering thin-bedded quartzite, siltstone dolomite and shale; minor green and purple, probably tuffaceous shale and argillite in upper part; 5a, undivided 4 and 5; 5b, bright yellow- and orange-weathering silty and sandy dolomite; 5c, buff-weathering dolomite, silty and sandy dolomite, minor sandstone and shale
- LOWER CAMBRIAN**
- 4** Light grey- to buff-weathering, massive dolomite, interbedded buff and orange-weathering dolomitic siltstone and grey silty limestone; 4a, "swiss-cheese" limestone; 4b, in part equivalent to 5
- CAMBRIAN AND EARLIER**
- 3** Brown weathering, grey to green interbedded siltstone, fine-grained quartzite and slate; 3a, buff-weathering light grey dolomite
 - 2** Brown to red-brown-weathering vari-coloured slates and phyllites; minor siltstone and fine-grained quartzite; in part equivalent to 3

