

Note: The generations of the coloured symbols below are indicated thus: first, second, third.

Geological boundary (defined, approximate, assumed)
 Bedding, tops unknown (inclined, vertical)
 Foliation (inclined, vertical)
 S₁ and S₂, S₁ and S₂
 S₃ S₃
 Undifferentiated
 Lineation
 L₁ and L₂, L₁ and L₂, L₁ and L₂
 L₃ and L₄
 Approximate location of trace of axial plane of fold indicated by name of fold (colour indicates generation where known)
 Fault (defined, approximate, assumed)
 CANYON FALLS SYN.

Geology by P.B. Read, 1962-64

To accompany GSC Bulletin 193 by P.B. Read

Geological cartography by the Geological Survey of Canada

Base-map assembled by the Geological Survey of Canada from maps published at the same scale by the Surveys and Mapping Branch, and the Army Survey Establishment, R.C.E., in 1961-62, 1965

Copies of the topographical edition of this map may be obtained from the Map Distribution Office, Department of Energy, Mines and Resources, Ottawa

Approximate magnetic declination 1970, 22°16' East, decreasing 3.3' annually

Elevations in feet above mean sea-level

LEGEND

CENOZOIC	QUATERNARY PLEISTOCENE AND RECENT	23	Glacial, lacustrine, and fluvialite gravel, sand, silt, and clay
	POST-LOWER JURASSIC	22	KUSKANAX-LIKE INTRUSIONS: massive leucocratic monzonite and leucosyenite
MESOZOIC	JURASSIC LOWER JURASSIC	21	KUSKANAX BATHOLITH: foliated leucocratic monzonite and leucosyenite
	LOWER JURASSIC (?) AND OLDER	20	POPLAR CREEK GREENSTONES: 20a, amphibolite and hornblende metadiorite; 20b, meta-andesite and metadiorite, sills and dykes (where colour is absent adjacent to unit 5, minor amounts of unit 5's base)
MESOZOIC AND (?) EARLIER	UPPER MISSISSIPPIAN TO TRIASSIC MILFORD GROUP (14-19)	19	Coarse fragmental rocks
		18	Caliche-bearing quartzite
MESOZOIC AND (?) MESOZOIC		17	Grey phyllite and impure meta-sandstone
		16	Limy micaceous meta-sandstone
PALEOZOIC AND (?) EARLIER		15	Micaceous meta-sandstone
		14	Crystalline limestone and calc-silicate marble
PRE-UPPER MISSISSIPPIAN (?) TO TRIASSIC		13	13a, hornblende-plagioclase schist; minor white crystalline limestone; 13b, grey to green amphibolite; 13c, grey to green amphibolite; 13d, hornblende-plagioclase schist; minor breccia (cross pattern indicates minor amounts of unit 20)
	PRE-UPPER MISSISSIPPIAN LARDEAU GROUP (11-12)	12, 12a	Green mica-amphibole schist; minor volcanic breccia, pillow lava, and porphyritic flows; 12a, chloritic marble
PALEOZOIC AND/OR (?) EARLIER		11	11a, schistose limestone and limy schist; 11b, phyllitic limestone and limy phyllite
		10	Dark grey phyllite
PALEOZOIC AND/OR (?) EARLIER		9	9a, grey to green quartz-mica schist and meta-grit; 9b, grey to green quartz-mica schist and meta-grit
	SILVERCUP RIDGE	8	SHARON CREEK FORMATION: dark grey phyllite
PALEOZOIC AND/OR (?) EARLIER		7	AJAX FORMATION: light grey quartzite
		6	TRIUNE FORMATION: grey argillite, slate, and phyllite
PALEOZOIC AND/OR (?) EARLIER		5	Massive greenstone, pillow lava, volcanic breccia, and limy green phyllite (cross pattern indicates minor amounts of unit 20)
		4, 4a	Limy chloritic schist; 4a, chloritic marble
PALEOZOIC AND/OR (?) EARLIER		3	3a, medium to dark grey phyllite; minor limy phyllite; 3b, phyllitic quartzite; grey quartzose phyllite; minor meta-volcanic rocks (cross pattern indicates minor amounts of unit 20)
		2	Phyllitic limestone
	1	Grey to green quartz-mica schist and meta-grit (cross pattern indicates minor amounts of unit 20)	

STRATIGRAPHY OF LARDEAU GROUP
(Based on Fyles and Eastwood, 1962)

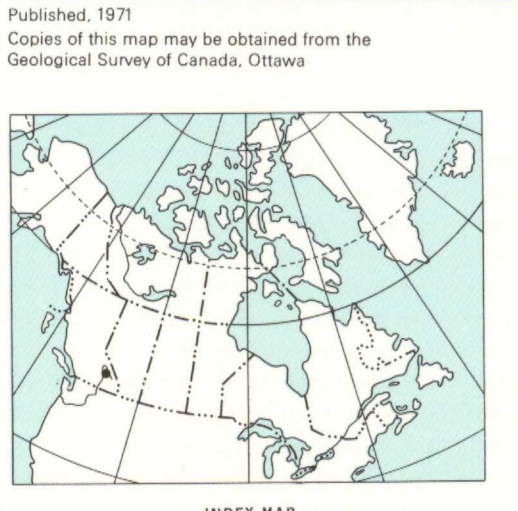
BROADVIEW FORMATION

SHARON CREEK FORMATION

AJAX FORMATION

TRIUNE FORMATION

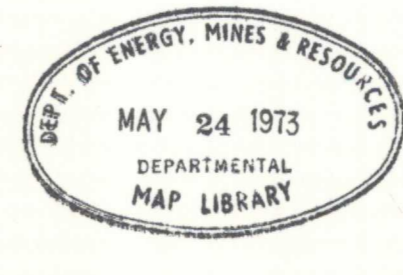
INDEX FORMATION



MAP 1277A
GEOLOGY
POPLAR CREEK AND TROUT LAKE
BRITISH COLUMBIA

Scale 1:50,000

Miles 0 1 2
Metres 0 1000 2000 3000



82 K 12	82 K 11	82 K 10
82 K 5	82 K 6	82 K 7
82 K 4	82 K 3	82 K 2

NATIONAL TOPOGRAPHIC SYSTEM REFERENCE

612 cag 1900C

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MAP 1277A
POPLAR CREEK AND TROUT LAKE
BRITISH COLUMBIA

1277A