



- LEGEND**
- PLEISTOCENE AND RECENT**
 - Qb: Boulder and block debris, poorly sorted
 - CAMBRIAN TO SILURIAN**
 - LOWER CAMBRIAN TO SILURIAN**
 - CSOC: OLD CABIN FORMATION: basic volcanics, breccias, lapilli tuff, flows, sills, dykes; minor sedimentary rock units. Occurs as thick successions and tongues in CG and PCNA
 - CAMBRIAN**
 - CG: GULL LAKE FORMATION: argillite; buff, green; minor units of shale, chert, quartzite, limestone and volcanics rocks
 - PROTEROZOIC AND CAMBRIAN**
 - UPPER PROTEROZOIC AND LOWER CAMBRIAN**
 - HYLAND GROUP (PY - PCNA)
 - NARCHILLA FORMATION (PCNS - PCNA)
 - Arrowhead Lake Member: argillite; maroon and pale green; minor quartzite, conglomerate, limestone. Lower Cambrian in map area but ranges into Proterozoic outside map area
 - PCNA**: Senoah Member: argillite; grey, green, buff, with minor thick units of quartzite and quartz-pebble conglomerate. Also minor units of limestone and silty limestone
 - PCNS**: Senoah Member: argillite; grey, green, buff, with minor thick units of quartzite and quartz-pebble conglomerate. Also minor units of limestone and silty limestone
 - PROTEROZOIC**
 - UPPER PROTEROZOIC**
 - PA: ALGAE LAKE FORMATION: limestone, arenaceous limestone; minor dolomite, argillite, breccia; upper part resistant; lower part recessive, thin bedded
 - PY: YUSEZYU FORMATION: sandstone; calcareous, brown weathering; Quartzite; grey-white weathering; minor shale, argillite and grit. Only uppermost part exposed. Grit units are abundant in more complete exposures west of Nidderly Lake map area

- Outcrop in covered area
- Geological boundary (defined, approximate, assumed)
- Stylized geological boundary
- Bedding, top known (horizontal, inclined, overturned)
- Bedding, top unknown (inclined, vertical)
- Cleavage (inclined, vertical)
- Normal fault (solid circle indicates downthrow side)
- Thrust or reverse fault (teeth indicate upthrow side; defined, approximate, assumed)
- Strike slip fault (arrow indicates relative movement)
- Rogue Decollement Surface (defined, approximate, assumed)
- Anticline (upright, overturned; arrow indicates plunge)
- Syncline (overturned; arrow indicates plunge)
- Measured section or traverse available on request from author
- Line of section
- Fossil: GSC catalogue number; abbreviated age (e.g. mO - middle Ordovician)

- NOTES**
- The prefix "t" designates a map unit that is represented by 70-90% of the stratigraphic unit prefixed, but which is structurally repeated numerous times on small scale, local detachment surfaces. The mapped area can also include fault repetitions, as well as synclinal and antinodal levels of underlying and overlying stratigraphic units in 10-30% of the area. Units with the "t" prefix are mapped both as single and tectonic units (e.g. tCG or tC).
 - Rogue detachment surface inferred from the observation that strata above are shortened to 20% of their original length while strata below the detachment are shortened to 60-80% of their original length.

Compiled from ground traverses by M.P. Cecilie (1983, 1984, 1985) with assistance by Hans Smit (1983), and Craig Hart (1984). Helicopter support was given by Northern Mountain Helicopters (1983, 1984, 1985). Expediting was provided by Ross River Services. The author's understanding of the geology was greatly assisted by discussions with J.C. Abbott (DIAND), and S.P. Gordon (GSC). Parts of the southwestern and western edges of the area were revisited in 1984 from the Lansing map area. Fossil determinations by H.J. Hofmann (University of Montreal).

Geological cartography by E. Macey, Geological Survey of Canada (Calgary)

Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada

Digital base map at the same scale from Geomatics Canada, Natural Resources Canada, modified for publication by the Geological Survey of Canada

Copies of the topographical edition of this map may be obtained from the Canada Map Office, Natural Resources Canada, Ottawa, Ontario, K1A 0E9

Magnetic declination 1998, 29°51'E, decreasing 14.0' annually

Elevations in metres above mean sea level



Copies of this map may be obtained from the Geological Survey of Canada, 601 Booth Street, Ottawa, Ontario, K1A 0E9, 3303 29th Street, N.W., Calgary, Alberta T2L 2A7, 101-609 Robson Street, Vancouver, B.C. V6B 5A3



MAP 1944A
GEOLOGY
EINARSON CREEK
YUKON TERRITORY
Scale 1:50 000 - Échelle 1/50 000

Kilometres 1 2 3 4 Kilometres

Universal Transverse Mercator Projection / Projection Transverse Universelle de Mercator

106 G7	106 B14	106 B3
105 N19	105 Q15	105 Q14
	1944A	1923A
105 N6	105 Q12	105 Q11
		1943A



Recommended citation:
Cecilie, M.P.
1998. Geology and structure cross-section, Einarson Creek, Yukon Territory. Geological Survey of Canada, Map 1944A, scale 1:50 000.

1994A