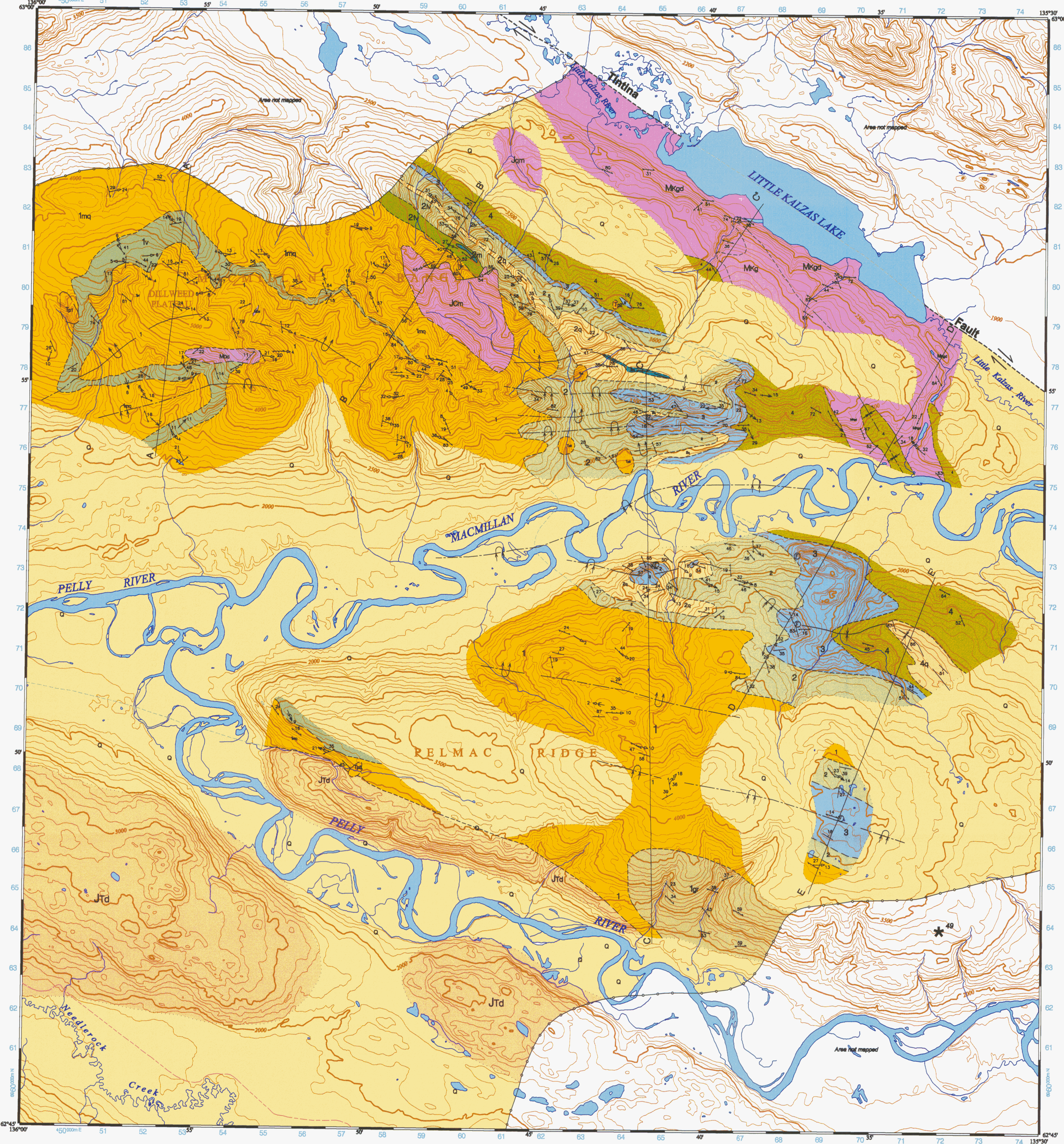


Canada



Yukon Government



QUATERNARY

Q Unconsolidated alluvium, colluvium and glacial deposits

INTRUSIVES ROCKS

Tst Quartz-feldspar porphyry; Tp1-grey rhyolite porphyry containing <10% microphenocrysts of amethyst quartz and plagioclase; Tp2-pink quartz-feldspar porphyry; dated at 65±1.7 Ma (U-Pb zircon; Mortensen and Jackson, unpublished); Tq3-white quartz-feldspar ± biotite porphyry; phenocrysts make up to 80-70% of rock

Jtst Medium to coarse-grained, equigranular hornblende ± biotite quartz diorite

Jcm Medium-grained hornblende ± biotite quartz monzonite

Jm Medium to coarse-grained, weakly foliated (magmatic?) hornblende quartz monzonite (probably related to Cornallo pluton)

Mq Coarse-grained, biotite granite gneiss, strongly foliated; intrudes granodiorite gneiss (Mkg) and locally contains mafic enclaves

Mgd Fine to medium-grained, medium to dark green, biotite ± hornblende ± K-feldspar granodiorite gneiss. Near Macmillan River, K-feldspar megacrystic granodiorite gneiss. All comprise which intrude metasedimentary and metavolcanic rocks of Unit 4

Md Medium to coarse-grained, porphyritic quartz diorite to biotite granodiorite gneiss. Locally intercalated with green metacarbonaceous rocks of Unit 1v

LAYERED METAMORPHIC ROCKS

Unit 4

4 Undifferentiated, light green quartz-muscovite-chlorite phyllite and light green quartzite and gnt (metavolcanic rocks); light green felsic (quartz-muscovite-feldspar) schist, locally contains mm-scale quartz and feldspar auger; greenstone (chlorite-epidote-schist-plagioclase schist); carbonaceous phyllite and muscovite quartzite; plagioclase-phyllite intermediate metavolcanic rock

4q White, green and pink dolomitic quartzite; buff weathering dolomitic marble

Unit 3

3 Light grey to white marble, locally dolomitic and/or cherty; ortho- and para-metasediments; meta-igneous rocks; phyllite marble

Unit 2

2 Undifferentiated: light to medium green, muscovite-quartz-chlorite phyllite and muscovite quartzite (metavolcanic rocks); locally carbonaceous near contact with marble of Unit 3; intermediate to mafic metavolcanic rocks; minor felsic schist and metachert

2a White to dark grey quartzite, locally cherty; minor dark grey carbonaceous phyllite

2v Medium grey to greenish-grey, hornblende-plagioclase-epidote-biotite-calcite, intermediate metavolcanic rock (meta-andesite), commonly plagioclase-phyllite; minor felsic schist and metachert

2m Light grey to white marble; minor carbonaceous phyllite and greenstone

2v Ten weathering, quartz-muscovite-feldspar (schist) schist (felsic metavolcanic rock) intercalated with carbonaceous phyllite; minor gntly quartzite

Unit 1

1 Undifferentiated: massive, white to light grey quartzite; minor carbonaceous phyllite and muscovite quartzite

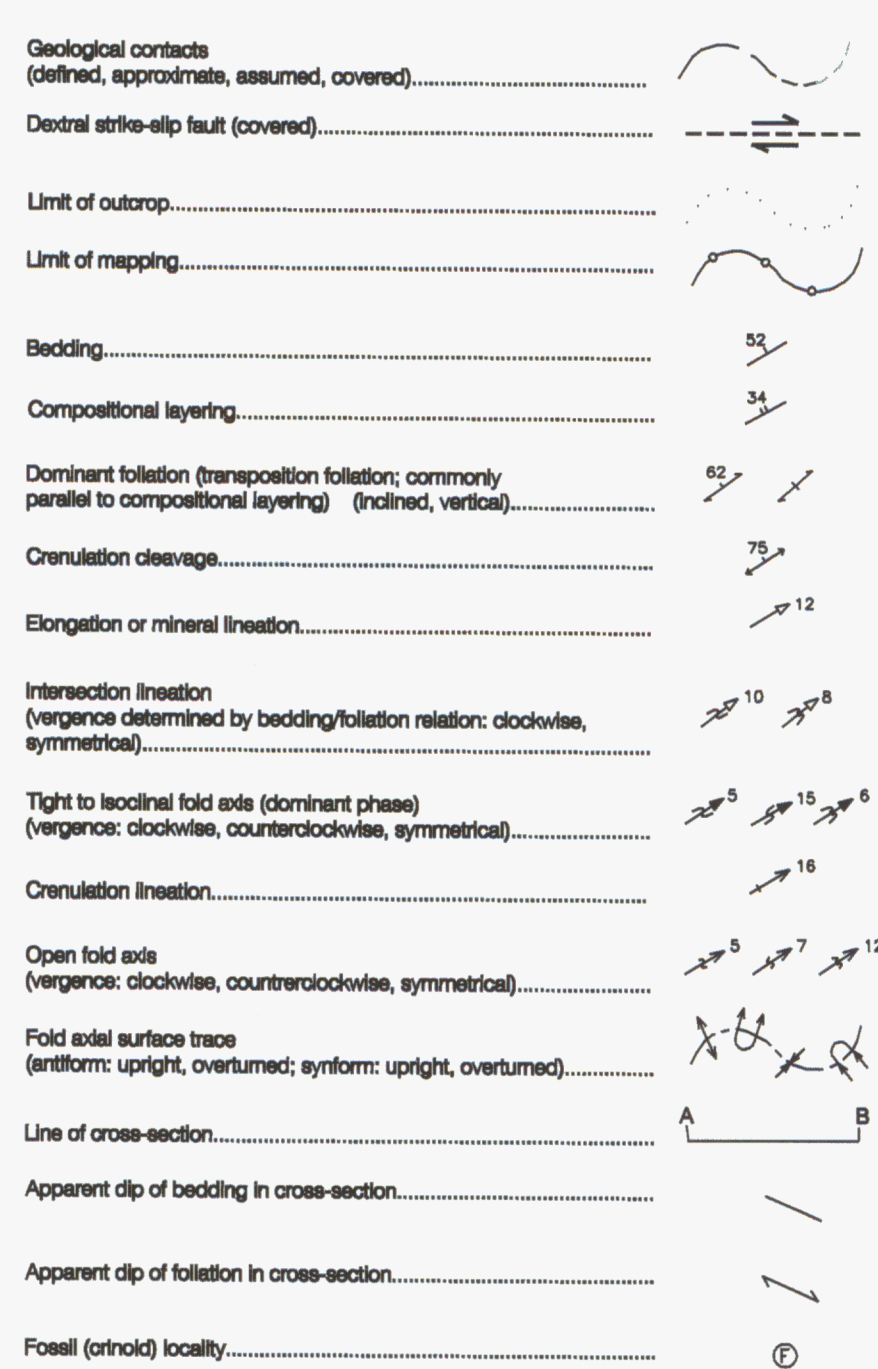
1m White to light grey muscovite quartzite, commonly intercalated with carbonaceous phyllite (quartzite more muscovite near contact with Unit 1v); locally, quartz gnt

1v Light green quartz-muscovite-chlorite (carbonate) phyllite and feldspathic gnt (metavolcanic rocks); minor quartzite and felsic schist

1w Beige weathering, medium to dark grey quartz-muscovite-dolomite schist; dark grey dolomitic quartzite; coarse-grained quartz gnt with dolomitic cement; minor light green quartz-muscovite-chlorite-dolomite (biotite) schist (metachert) related with Unit 1 is uncertain

LEGEND

SYMBOLS



MINERAL OCCURRENCE
Yukon Minfile

105L049	HUGH, GAL	work target, magnetic anomaly
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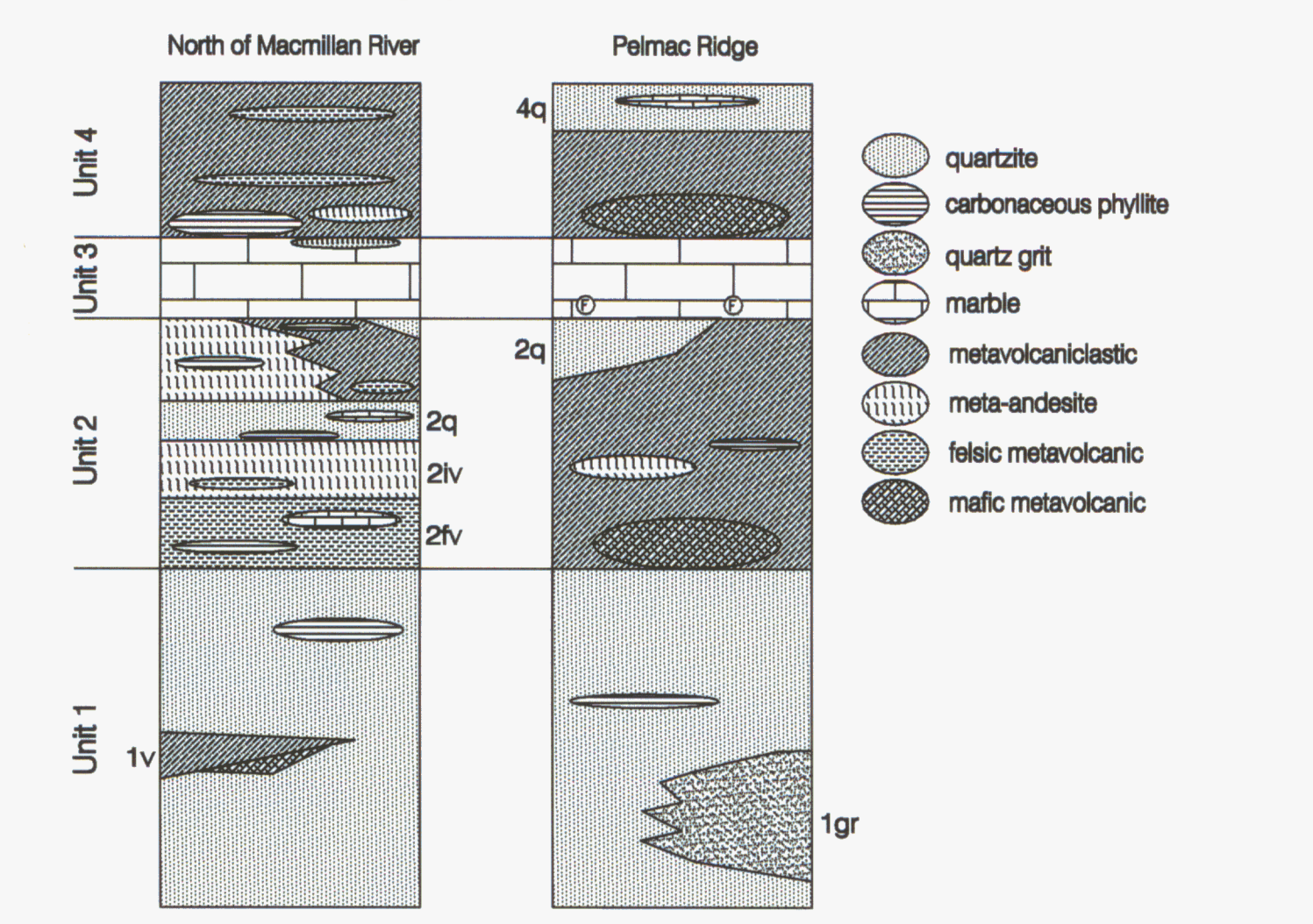
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COLUPRON, M., 1998. Preliminary geological map of Little Kalzas Lake area, central Yukon (NTS 105L/13). Exploration and Geological Services Division, Indian and Northern Affairs Canada, Open File 1998-3 (1:50,000).

Digital cartography and drafting by Will van Randen, Yukon Geology Program.
Any revisions or additional geological information known to the user would be welcomed by the Yukon Geology Program.

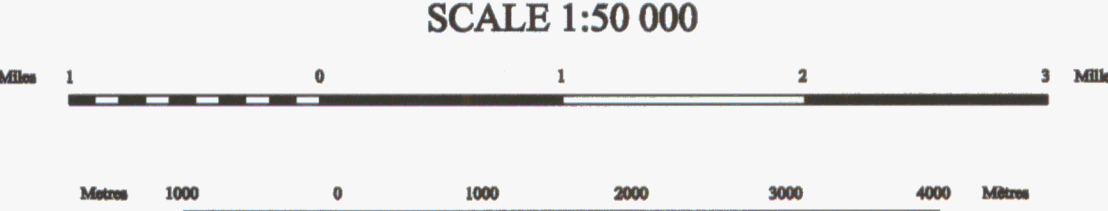
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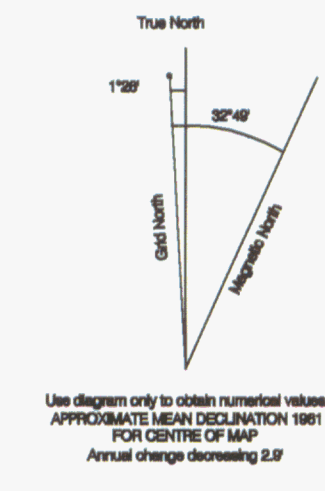
Stratigraphic Relations



LITTLE KALZAS LAKE
YUKON TERRITORY
SCALE 1:50 000



CONTOUR INTERVAL: 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1983
Transverse Mercator Projection



110 P/1	105 M/4	105 M/3
Cryslal Lake	Woodburn Lake	Sidwell Lake
110 V/6	THIS MAP	105 L/14
Diamath Lake		Safety Pt Bend
110 M/0	105 L/12	105 L/11
Parrigan Mountain	Tietz Lake	Ragged Lake

Indian and Northern Affairs Canada
Exploration and Geological Services Division
Yukon Region

Open File 1998-3 (G)
Preliminary geological map of Little Kalzas Lake area, central Yukon
NTS 105L/13

1:50 000 scale
by Maurice Colpron
Yukon Geology Program

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