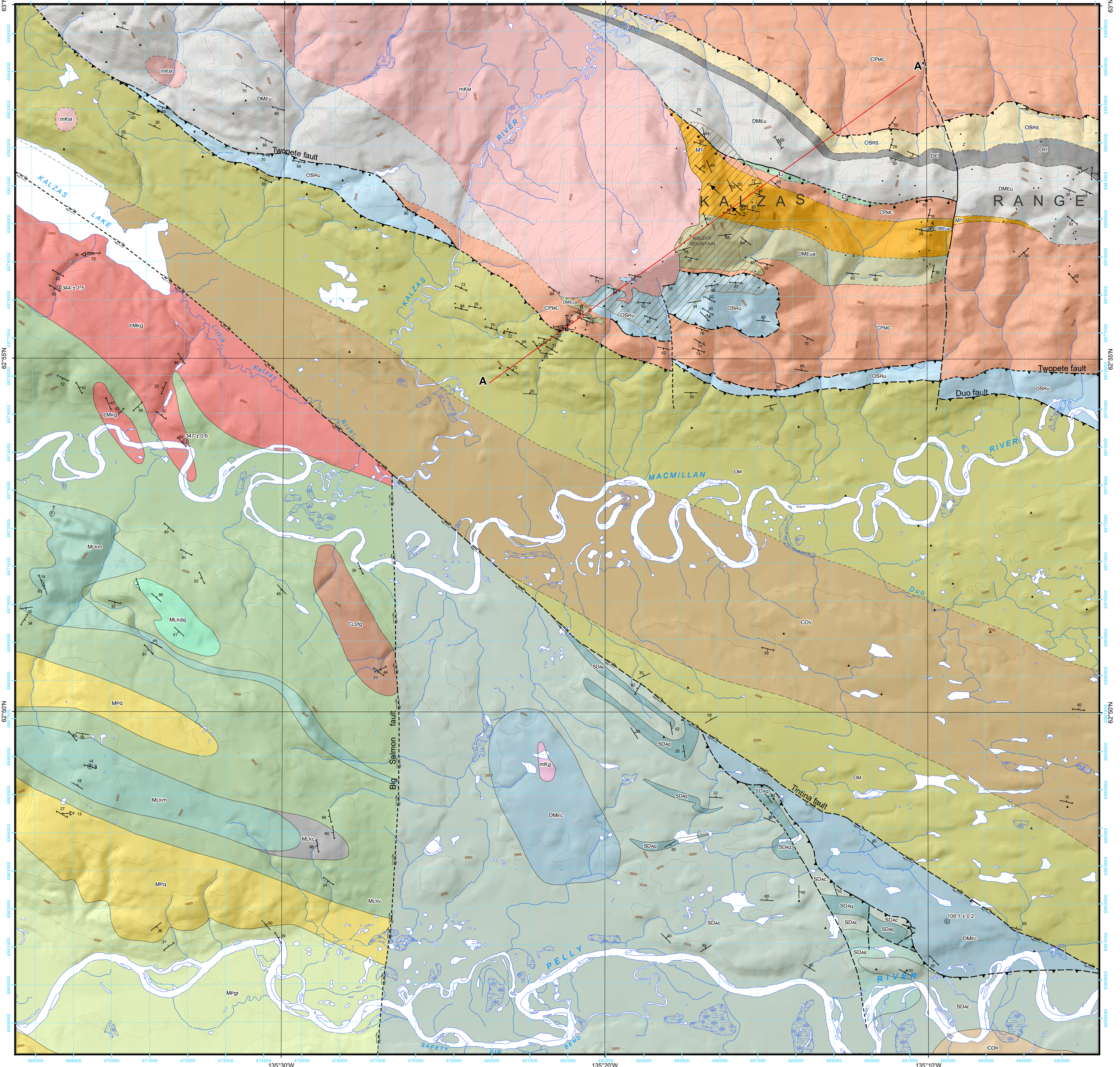
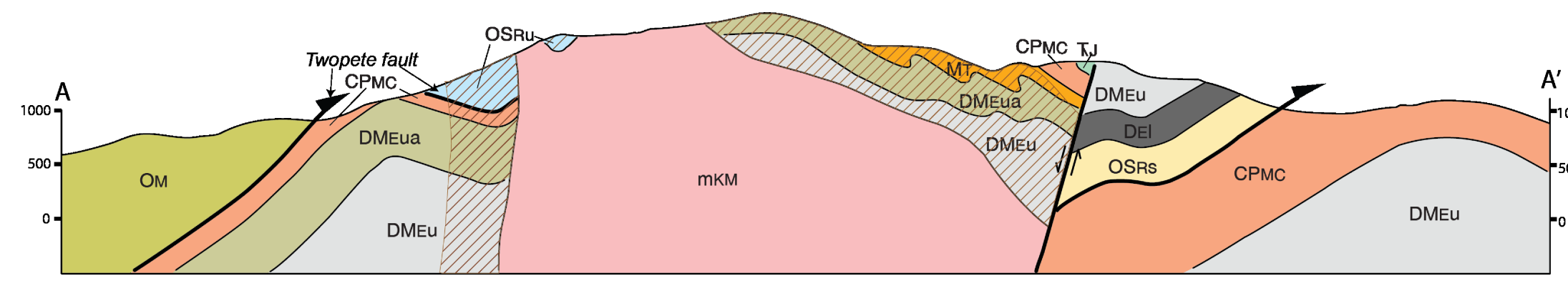


Locality	Sheet	Sample/Curation #	Tournaisian	Age	Fossil	Reference
1	1	C-81689	Tournaisian		Microfossil	OF-1992-5, Orchard, M.J.
2	1	C-81691	Early Carboniferous		Microfossil	OF-1992-5, Orchard, M.J.
3	1	C-304130	Ordoevian-Triassic		Microfossil	GSC fossil report MIO-1999-4, Orchard, M.J.
4	1	188K154-1	Frasnian-Famennian		Macrofossil	preliminary data
5	1	188C191-1	late Devonian		Macrofossil	preliminary data
6	1	188C192-1	possibly Permian		Microfossil	YGS fossil report - YGS2019-1, Cordey, F.
7	1	98MC158	Early? Carboniferous		Microfossil	GSC fossil report MIO-1999-5, Orchard, M.J.
8	2	C-107906	Ashgillian		Macrofossil	O-5 17-85N-1983, Norford, B.S.
9	2	C-089927	late Middle or Late Ordoevian		Macrofossil	O-2-85N-1983, Norford, B.S.
10	2	C-081685	Ordoevian-Triassic		Microfossil	OF-1992-5, Orchard, M.J.
11	2	S-00569	Mississippian		Macrofossil	YGS fossil report - MIO-MS-2017-1, Orchard, M.J.
12	2	C-089948	Famennian-Tournaisian		Macrofossil	OF-1992-13, Orchard, M.J.
13	2	C-102600	Mississippian		Microfossil	OF-1992-11, Orchard, M.J.
14	2	C-102651	Ladinian-Carnian		Microfossil	OF-1992-11, Orchard, M.J.
15	2	C-102736	Mississippian		Microfossil	OF-1992-11, Orchard, M.J.
16	2	C-103768	probably Permian		Microfossil	OF-1992-11, Orchard, M.J.
17	2	C-176041	probably Ladinian-Carnian		Microfossil	OF-1993-43, Orchard, M.J.
18	2	S-00571	Mississippian		Macrofossil	YGS fossil report - MIO-MS-2017-1, Orchard, M.J.
19	2	S-00568	late Triassic, early? Carnian		Microfossil	YGS fossil report - MIO-MS-2017-1, Orchard, M.J.
20	2	168C068-1	Permian		Microfossil	YGS fossil report - MIO-MS-2017-1, Orchard, M.J.
21	2	168C068-2	Late Carnian		Microfossil	YGS fossil report - MIO-MS-2017-1, Orchard, M.J.
22	2	168C068-3	Late Carnian		Microfossil	YGS fossil report - MIO-MS-2017-1, Orchard, M.J.
23	2	188C090-1	possibly Permian		Microfossil	YGS fossil report - YGS2019-1, Cordey, F.
24	2	188C106-1	Ghettian-Asselian		Microfossil	YGS fossil report - YGS2019-1, Cordey, F.



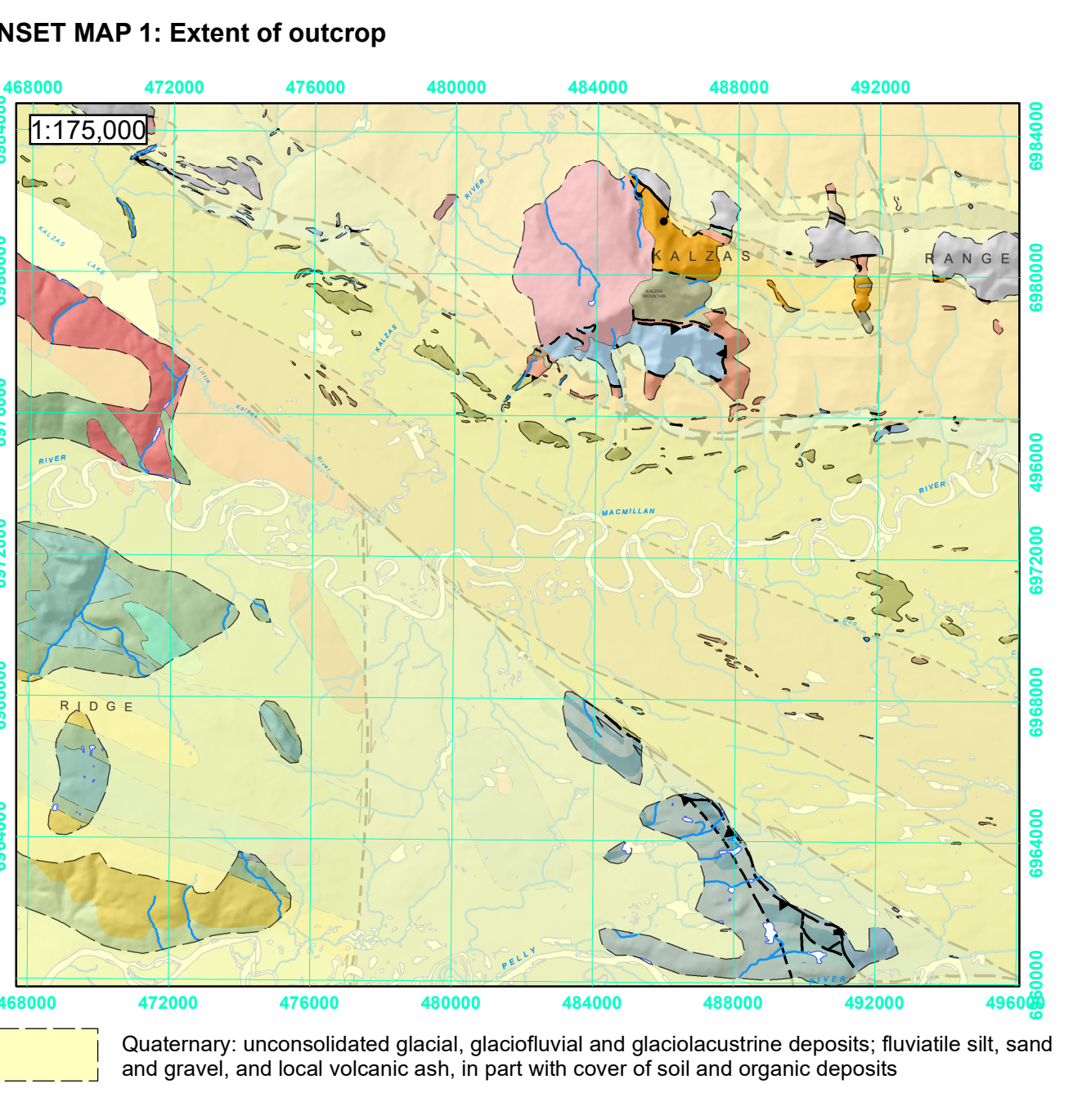
- ### NORTH OF TINTINA FAULT
- CRETACEOUS**
- Mayo suite**
- mKw: salt and pepper, medium and coarse-grained biotite granodiorite to tonalite
- ANCESTRAL NORTH AMERICA**
- LATE DEVONIAN**
- Dg: pyroxene diorite (U/Pb zircon 364.44 ± 0.11 Ma)
- TRIASIC**
- Jones Lake Formation**
- TJ: grey-brown to beige weathering, medium-bedded calcareous siltstone and sandstone, dolomitic, bioturbated muddy siltstone, cross-bedded grainstone; Kalzas Mountain: brown weathering, medium-bedded siltstone, fine-grained, calcareous quartz-rich sandstone, packstone, pebble conglomerate cemented with calcite
- CARBONIFEROUS TO PERMIAN**
- Mount Christie Formation**
- CPKC: orange and grey weathering, thin-bedded, black, grey, and grey-brown, chert, siltstone, shale and silty chert
- MISSISSIPPIAN**
- Tay Formation**
- MT: light grey weathering, massive to thick-bedded, fossiliferous limestone with minor lozenge-shaped black chert horizons; Kalzas Mountain: medium-bedded silty limestone with variably fossiliferous siltstone interbeds
- DEVONIAN TO MISSISSIPPIAN**
- Earn Group**
- Upper**
- DMEua: Dromedary Mountain: sugary quartz arenite; Kalzas Mountain: quartzose siltstone, calcareous and non-calcareous quartz arenite, fossiliferous siltstone; rusty to grey weathering, massive to very thin bedded siltstone interbedded with beige, sugary, fine to medium-grained quartz arenite; dark blue-grey, medium to coarse-grained quartz-rich sandstone
 - DMEua1: dark grey and rusty weathering, massive to thin-bedded siltstone with minor interbeds of grey, recrystallized limestone
 - DMEu: chert pebble to cobble conglomerate, quartz-chert greywacke; minor cross-bedded quartz arenite
- Lower**
- DEI: orange and dark grey recessive weathering, fine-grained quartz-rich sandstone interbedded with siltstone
- ORDOVICIAN TO SILURIAN**
- Road River Group**
- Steel Formation**
- OSRS: orange-brown weathering, thin and medium bedded dolomitic siltstone with fine-grained dolomitic sandstone interbeds, asymmetric ripples, cross-beds, wavy laminations and bioturbation common
- Undivided**
- OSRu: orange and grey weathering, rhythmically bedded mudstone to fine-grained siltstone; brown weathering, siltstone with black chert nodules; brown weathering, laminated, calcareous, fine-grained sandstone, siltstone, calcareous and non-calcareous phyllite; dark grey weathering siltstone with plant stem fossils; dark grey to black, thick-bedded sandy siltstone with interbeds of conglomerate dominated by chert and shale clasts; Kalzas Mountain: dark grey weathering phyllite and siltstone, silty limestone, chert-pebble conglomerate, white weathering marble; Dromedary Mountain: grey to brown weathering, thick-bedded, coarse-grained greywacke with pebble lags and shale chips, laminated to massive quartz arenite, graptolitic siltstone; commonly cross-bedded, top of sandstone beds commonly exhibit symmetric ripples
- ORDOVICIAN**
- Menzie Creek Formation**
- OMv: pyroxene-bearing basalt, volcanoclastic siltstone, sandstone and breccia, crystal-litic tuff; basalt interbedded with chlorite schist
- OM**
- orange weathering, resistant, thick-bedded flows to massive bodies of green, medium to coarse-grained basalt interlayered with phyllite, calcareous phyllite and grainstone; minor siltstone, sandstone and mudstone
- CAMBRIAN TO ORDOVICIAN**
- Vangorda formation**
- COV: calcareous mica schist; calc-silicate schist and marble
 - COva: dark green to grey weathering, fine-grained, dark grey, dark green and purple amphibolite schist
- Rabbitkettle Formation**
- COR: beige-brown weathering, thin-bedded, grey silty limestone interbedded with dark grey weathering, maroon-grey siltstone, light grey weathering, dark grey limestone interbedded with siltstone

- ### SOUTH OF TINTINA FAULT
- CRETACEOUS**
- Cassiar suite**
- mKg: medium-grained, equigranular biotite granite; K-feldspar megacrystic granite
 - mKog: medium to coarse-grained biotite granite, biotite-muscovite granite, biotite-hornblende granodiorite, muscovite-plagioclase pegmatite
- YUKON-TANANA TERRANE**
- MISSISSIPPIAN**
- Simpson Range suite**
- EMKg: fine and medium-grained, medium to dark green, variably foliated, biotite ± K-feldspar granodiorite; locally K-feldspar megacrystic, coarse-grained biotite granite strongly foliated (U-Pb dates — 343–347 Ma)
- MIDDLE MISSISSIPPIAN**
- Little Salmon formation**
- CLStg: coarse-grained, K-feldspar crystal grit and conglomerate (youngest detrital zircons 347 Ma — U-Pb)
- LOWER MISSISSIPPIAN**
- Little Kalzas formation**
- MLKdq: white, green and pink dolomitic quartzite; buff weathering dolomitic marble
 - MLKv: medium grey to greenish grey, plagioclase-phylic meta-andesite; minor felsic quartz-muscovite-feldspar schist and metachert (U-Pb zircon dates — 344–345 Ma); light green quartz-muscovite-chlorite phyllite and light green quartzite and grit (volcanoclastic rocks); metabasalt (chlorite-epidote-actinolite-plagioclase schist); minor carbonaceous phyllite and micaceous quartzite
 - MLKm: light grey to white marble, locally dolomitic and/or cherty, crinoidal packstone; carbonate breccia, phyllitic marble
 - MLKc: pale green to grey chert and argillite, grey marble
- Pelmar formation**
- MPq: massive, white to light grey quartzite, locally gritty; minor dark grey to black carbonaceous phyllite and micaceous quartzite, locally calcareous; minor brown weathering dolomitic marble
 - MPgr: beige weathering, medium to dark grey quartz-muscovite dolomite schist; dark grey dolomitic quartzite; coarse-grained quartz grit with dolomitic cement; minor light green quartz-muscovite-chlorite-dolomite (± biotite) schist; quartz pebble to cobble conglomerate
- ANCESTRAL NORTH AMERICA**
- CASSIAR**
- DEVONIAN - MISSISSIPPIAN**
- Earn Group**
- DMEc: dark grey, recessive weathering, thin-bedded, black siliceous slate with interbeds of quartz-chert greywacke, chert granule grit and chert pebble to cobble conglomerate; chert; minor limestone and mafic volcanic rocks; barite
- SILURIAN TO DEVONIAN**
- Askin Group**
- SDAq: medium to thick-bedded to massive, grey orthoquartzite
 - SDAc: medium grey to buff weathering, medium to thick bedded dolomite, silty and sandy dolomite, limestone; light to medium grey to black, fine- to coarse-grained marble, locally graphitic, minor quartzite
 - SDAs: dark grey argillite, locally dolomitic; rare andesite
- CAMBRIAN TO ORDOVICIAN**
- Kechika Group**
- COk: thin-bedded, lustrous, calcareous, grey to black slate, phyllite; thin buff weathering dolostone interbeds

LEGEND EXPLANATION

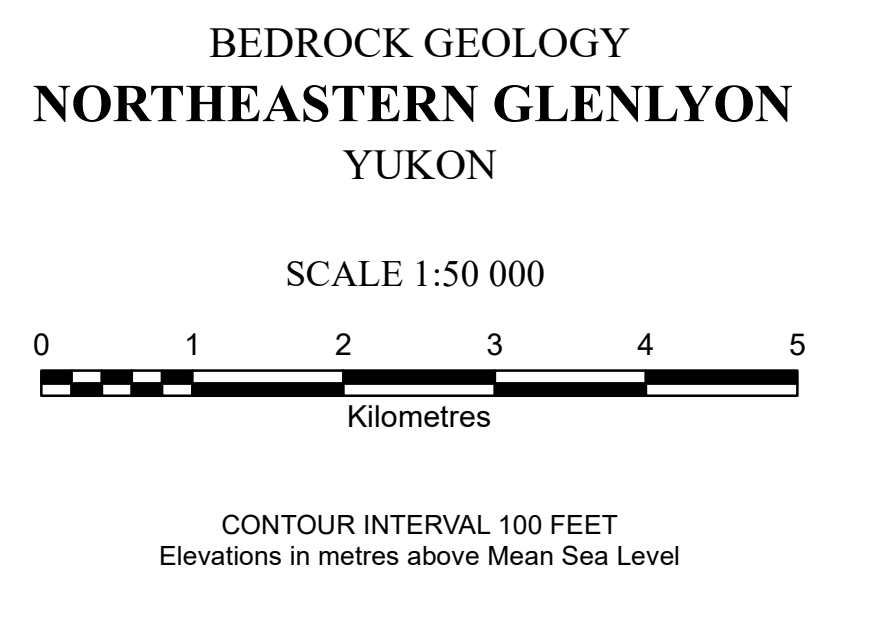
- PLUTONIC SUITES: grouping of plutonic rock units based on age, regional distribution and/or composition
- LAYERED ROCK ASSEMBLAGES: regionally mappable units generally of Group or Formation rank

- SYMBOLS**
- geologic contacts (defined, approximate, inferred)
 - fault: movement not known (defined, approximate, inferred)
 - thrust fault (defined, approximate, inferred)
 - dextral strike-slip fault (defined, approximate, inferred)
 - normal fault (defined, approximate, inferred)
 - bedding (tops unknown, upright, overturned)
 - foliation (dominant, late)
 - crenulation cleavage
 - fault
 - fold axis (dominant phase, s-fold)
 - slickenside
 - intersection lineation
 - radiometric date (U/Pb) (age in Ma, ± 2σ)
 - field station (Cobbett/Keevil 2019, Jilson/Jennings 1978)
 - metamorphic contact aureole



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ONE THOUSAND METRE GRID
Universal Transverse Mercator Projection
North American Datum 1983
Zone 8



105M/04 WOODBURN LAKE	105M/03 SIDESLIP LAKE	105M/02 CLARKE HILLS
105L/13 LITTLE KALZAS LAKE	THIS MAP (SHEET 1)	105L/15 DROMEDARY MOUNTAIN (SHEET 2)
MICA LAKE 105L/12	RAGGED LAKE 105L/11	DETOUR LAKES 105L/10