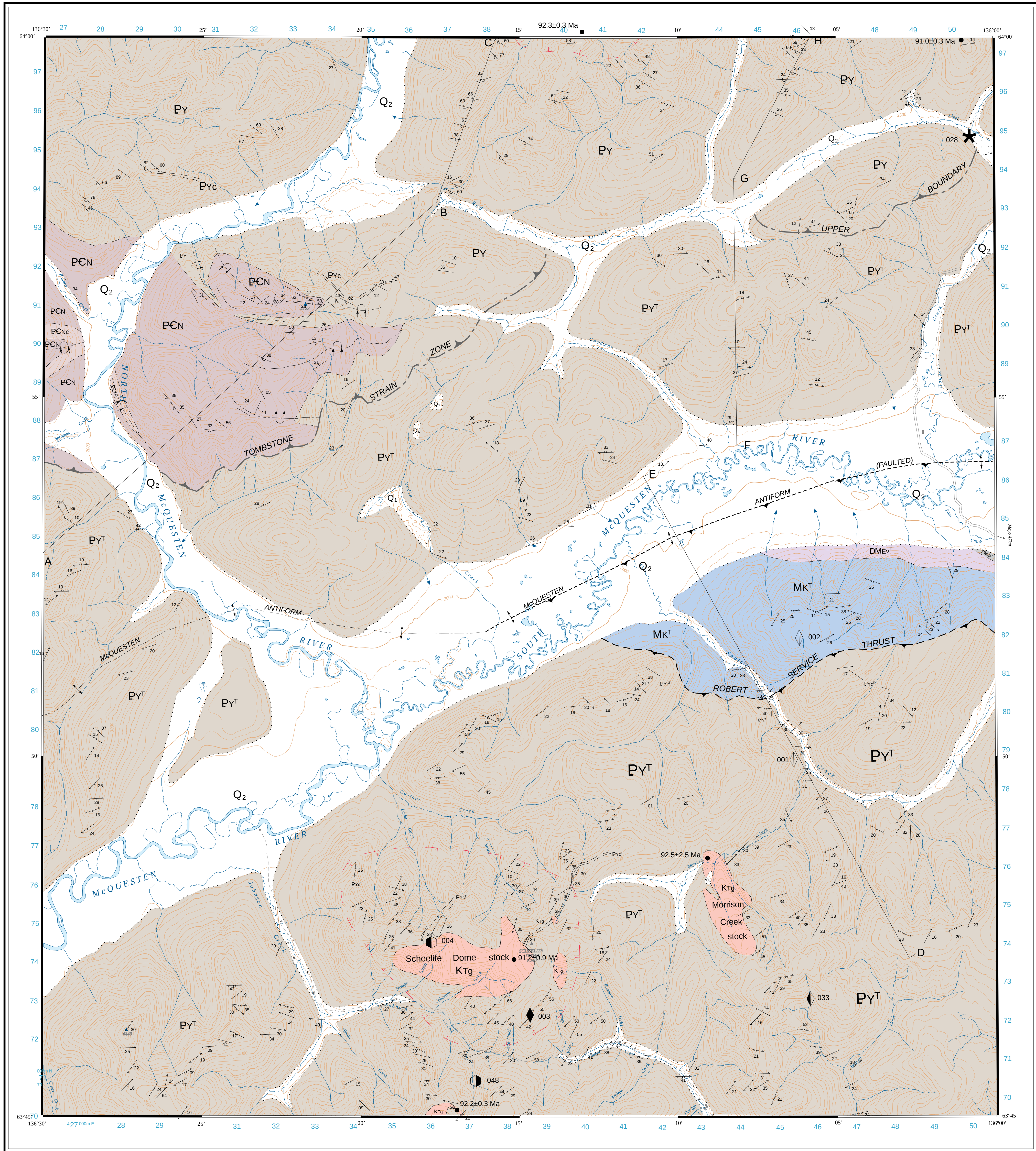


Canada



QUATERNARY

- Q₂** Unconsolidated, sand, silt, gravel, clay and organic deposits in modern valley fill (coarse stipple indicates approximate extent of gold placer workings)
- Q₁** Unconsolidated sand and/or gravel deposits at elevations higher than alluvium filling modern valleys

EARLY LATE CRETACEOUS

TOMBSTONE INTRUSIONS¹

- Ktg** Medium- to coarse-grained, locally porphyritic biotite + hornblende, clinopyroxene granite, quartz monzonite and granodiorite

UPPER PROTEROZOIC - LOWER CAMBRIAN

HYLAND GROUP²

- PCN** Nachikla Formation³ (?) maroon and green phyllite with cm-scale grey-green siliceous laminations, grey to green medium- to brick-bedded meta-sandstone and pebbly meta-sandstone (grt), and sandy limestone
- PCNc** Sandy limestone and limestone-breccia-rich member
- PY** Yusezyu Formation³ - isolated tan to grey meta-sandstone, muscovite-chlorite phyllite, blue-grey quartz and chalky white feldspar pebbly meta-sandstone (grt), pebbly meta-conglomerate and uncommon sandy marble (zr + j). Purple/maroonish siliceous pelitic hornfels and calc-silicate hornfels near intrusions

TOMBSTONE STRAIN ZONE UPPER BOUNDARY

- PYT** Yusezyu Formation: prominently foliated and lineated muscovite-chlorite phyllite, quartzofeldspathic and micaceous psammite, grey psammite, rare calc-silicate rock and marble⁴

ROBERT SERVICE THRUST

MISSISSIPPIAN

- MKT** Keno Hill quartzite⁵ - finely to coarsely foliated and lineated, light to dark grey, locally mottled vitreous quartzite, subordinate grey, locally carbonaceous phyllite, and rare green-grey phyllite, which may be intrals of older Eam Group

DEVONIAN AND MISSISSIPPIAN

EARN GROUP⁴

- DMK¹** Unexposed in map area; in Mt. Haldane map area to east consists of greenish white siliceous chlorite-sarcolite phyllite (Beltic metaklastic) underlain by carbonaceous phyllite
- DMK²** Grey carbonaceous phyllite, siliceous carbonaceous metabasites, and rare calcareous meta-greywacke

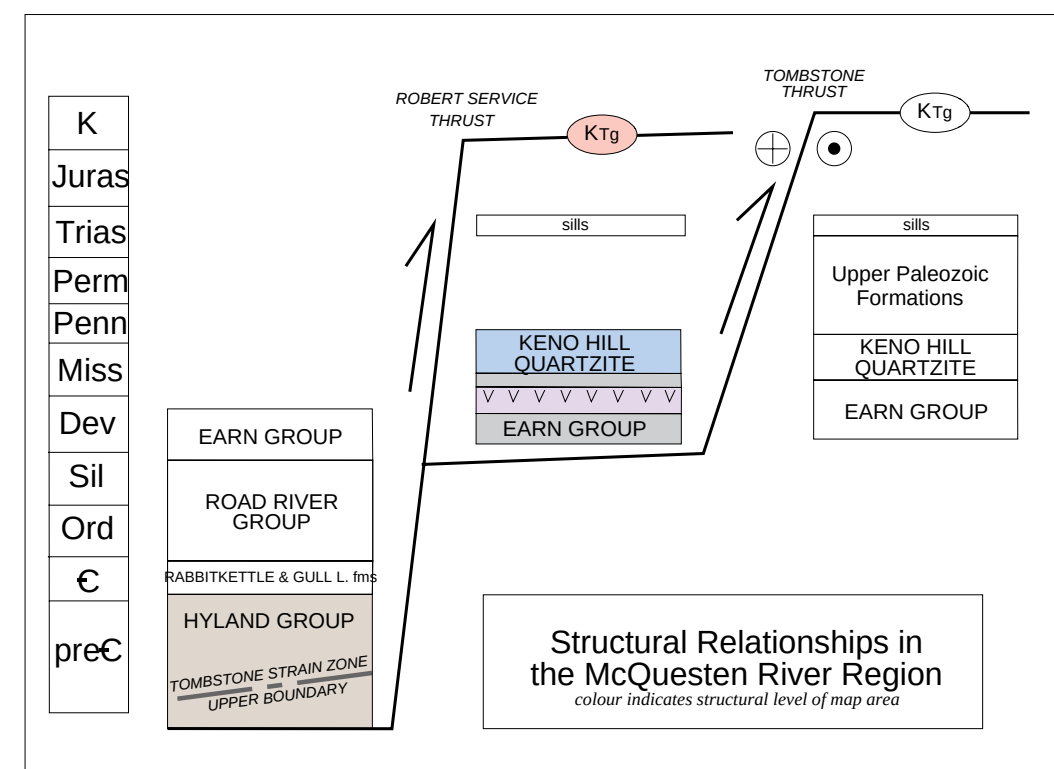
¹ 95-94 Ma U-Pb zircon and/or titanite age determinations by Jim Mortensen, University of British Columbia.
² Hyland Group, Yusezyu and Nachikla formations are defined by Girdley and Anderson (1993) based on work in Haldane map area (255-1).
³ Yusezyu and Nachikla formations are intruded by intermediate to mafic sills and dykes of unknown age that are too small to portray at the scale of mapping.
⁴ Keno Hill quartzite and Eam Group are intruded by postform meta-diorite bodies of probable mid-Triassic age (Mortensen and Thompson, 1995) that are too small to portray at the scale of mapping.
⁵ Mississippian age based on Vishay-Namurium concordant obtained from Keno Hill quartzite in Dawson map area (Mortensen and Thompson, 1995; Orchard, 1991).

SYMBOLS

- Geological contact (defined, approximate, assumed and/or covered).....
- Fault or vein-fault, displacement unknown (defined, approximate, assumed and/or covered).....
- Thrust fault: teeth on hanging wall (defined, approximate, assumed and/or covered).....
- Fold axial surface trace (upright anticline, syncline, overturned syncline, anticline).....
- Limit of outcrop.....
- Limit of hornfels.....
- Bedding (known upright, overturned, unknown).....
- Foliation (one tick indicates earliest phase of deformation, two or more indicates subsequent phase(s) of deformation) and mineral or clast elongation lineation.....
- Breccia, breccia zone.....
- U-Pb age determination sample location and age.....
- Line of cross-section.....
- Apparent dip of bedding, bedding, top indicated; foliation in cross-section.....
- Foliation form lines in cross-section.....
- Summer roads.....

LEGEND

MINERAL OCCURRENCES		
Yukon Minfile		
115P 001	Jaybee	Pb-Zn-Ag vein
115P 002	Seattle	Pb-Zn-Ag vein
115P 003	Hawthorne	Au-Ag-Sb vein
115P 033	Bennett	Au vein
Skarns/replacement:		
115P 004	Scheelite Dome	W skarn, intrusion-hosted Au vein
115P 048	Potter	Sn skarn
115P 028	Work targets:	work target
	Secret	



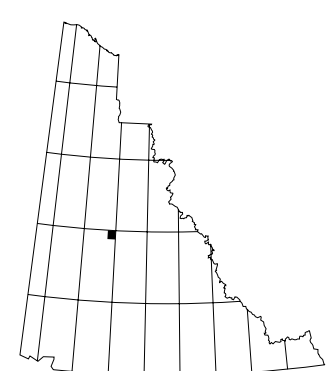
RECOMMENDED CITATION

MURPHY, D.C. and HEON, D., 1996. Geological map of Seattle Creek map area, western Selwyn Basin, Yukon (115 P/16). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Geoscience Map 1996-3, scale 1:50 000.

This map accompanies MURPHY, D.C. 1996. Geology of the McQuesten River region northern McQuesten and Mayo map areas, Yukon (115 P/14, 15, 16 and 105 M/13, 14). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Bulletin 6.

Digital cartography and drafting by Will vanRanden, Canada/Yukon Geoscience Office. Any revisions or additional geological information known to the user would be welcomed by the Canada/Yukon Geoscience Office.

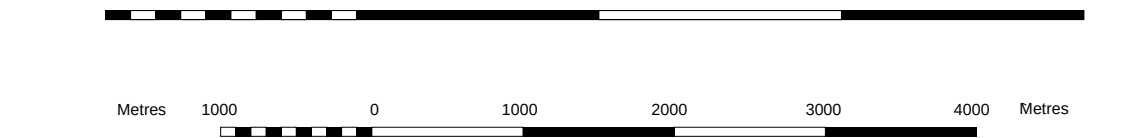
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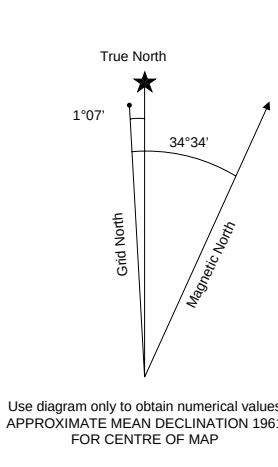
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ONE THOUSAND METRE
Universal Transverse Mercator Grid
ZONE 8

SEATTLE CREEK
YUKON TERRITORY
SCALE 1:50 000



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



116 A2	116 A1	106 D4
115 P15	115 P16	105 M13
Murphy & Heon Geoscience Map 1996-2	THIS MAP	Burns et al. Geoscience Map 1996-4
115 P19	115 P7	105 M12

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

Geoscience Map 1996-3
Geological map of Seattle Creek area
Western Selwyn Basin, Yukon
NTS 115 P/16
1:50 000-scale

by
Donald C. Murphy and Danielle Heon
Canada/Yukon Mineral Development Agreement
Geoscience Office