



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 GROUP

- PCN** Nachikla Formation²: maroon and green phyllites with cm-scale grey-green siliceous laminations, grey to green medium- to thick-bedded meta-sandstone and pebbly meta-sandstone (grt), and sandy limestone
- PCNc** Sandy limestone and limestone-breccia-rich member
- PY** Yueszy Formation³: foliated tan to grey meta-sandstone, muscovite-chlorite phyllite, blue-grey quartz and chalky white feldspar pebbly meta-sandstone (grt), pelitic meta-conglomerate and uncommon sandy marble (ch. j. Purple/iridescent siliceous pelitic hornfels and calcisilicate hornfels near intrusions)

TOMBSTONE STRAIN ZONE UPPER BOUNDARY

- PyT** Yueszy Formation: prominently foliated and lineated muscovite-chlorite phyllite, quartzofeldspathic and micaceous psammite, grey psammite, rare calc-silicate rock and mafic dyke⁴

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 intruded by older Earm Group

DEVONIAN AND MISSISSIPPIAN

EARM GROUP⁶

- DMeV** Unexposed in map area; in Mt. Haldane map area to east consists of greenish white siliceous chlorite-sarcolite phyllite (felsic metavolcanic) underlain by carbonaceous phyllite
- DMeP** Grey carbonaceous phyllite, siliceous carbonaceous metabasite, and rare calcareous meta-greywacke

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 class 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

Work targets:

- 115P 028 Secret work target

Structural Relationships in the McQuesten River Region

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, 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, Indian and Northern Affairs Canada, Bulletin 6.

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

Copies of this map, the accompanying report and Yukon Minfile may be purchased from Geoscience Information and Sales, Exploration and Geological Services Division, Indian and Northern Affairs Canada, Room 102-300 Main St. Whitehorse, Yukon Y1A 2B5. Ph. 403-667-3204 Fax. 403-667-3198.

SEATTLE CREEK
YUKON TERRITORY
SCALE 1:50 000

ONE THOUSAND METRE
Universal Transverse Mercator Grid
ZONE 8

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

115 P/15
Murphy & Heon
Geoscience Map
1996-2

THIS MAP

115 P/16
Murphy & Heon
Geoscience Map
1996-3

115 M/13
Blair et al.
Geoscience Map
1996-4

115 M/12

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