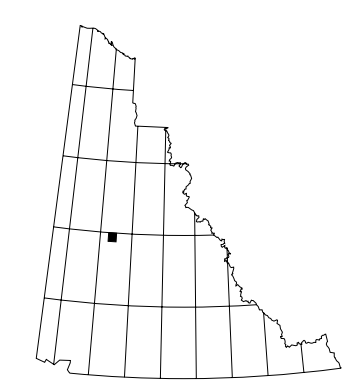
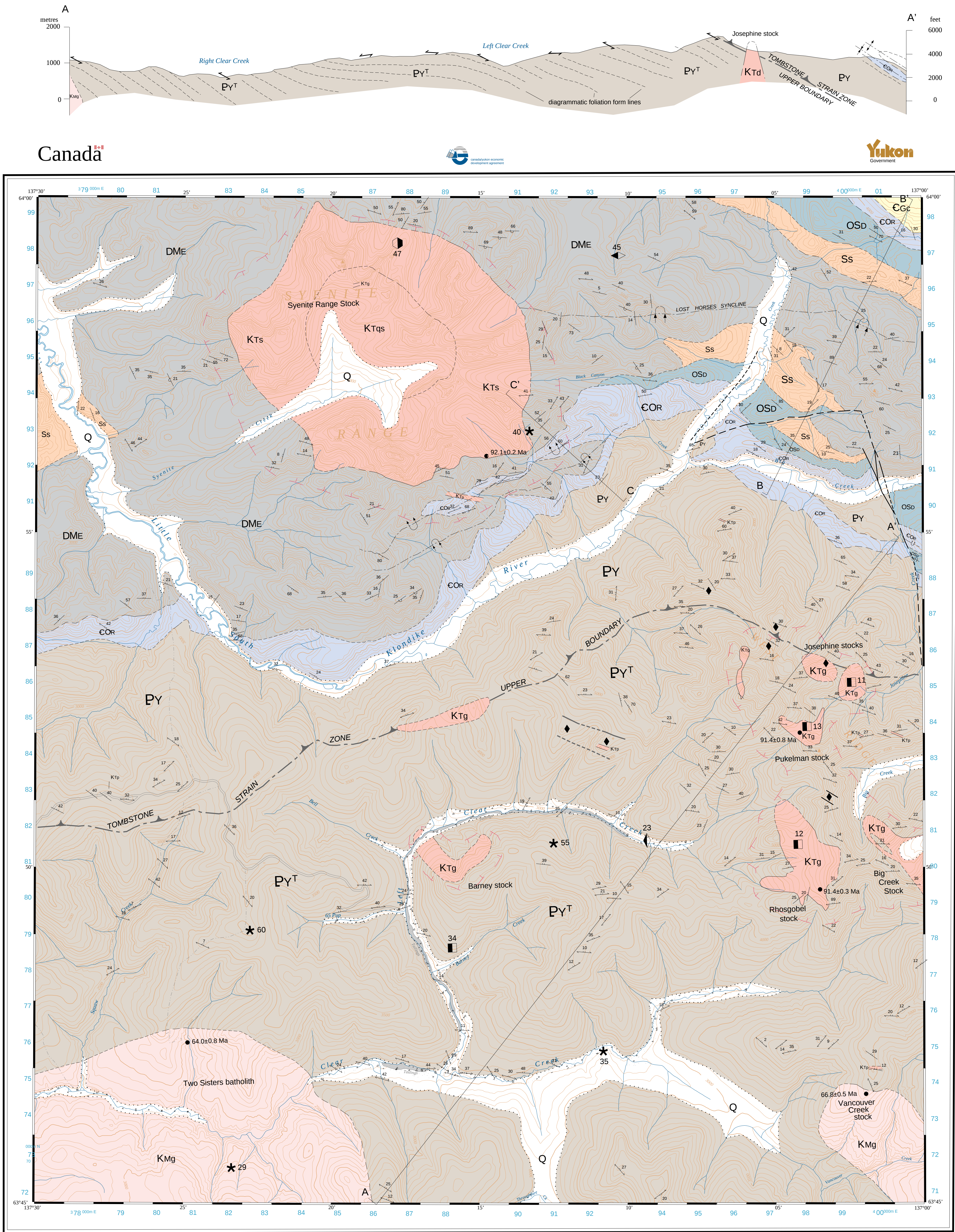
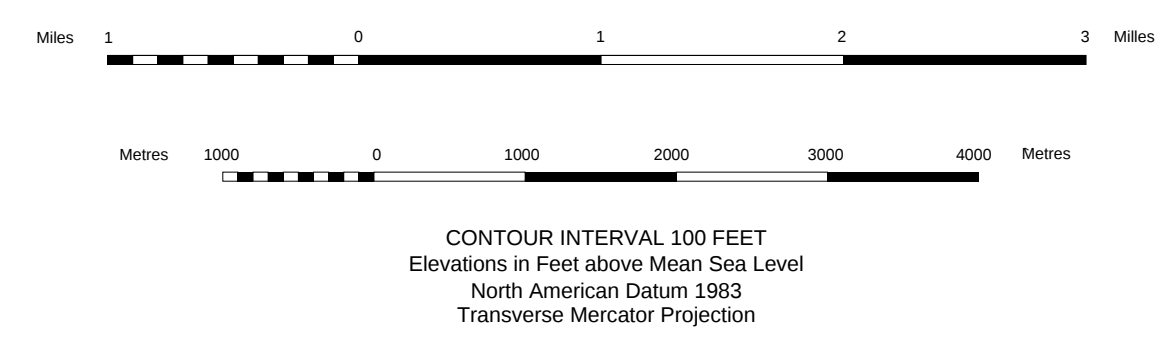




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ONE THOUSAND METRE
Universal Transverse Mercator Grid
ZONE 8



Low Relief only in areas indicated where
APPROXIMATE MEAN SEA LEVEL DATA 1983
FROM DATUM OF MAP
Annual change decreasing 4.2

116 A/3	116 A/2	116 A/1
116 B/4 TILIS STUDY	115 P/15 Murphy & Hoon Geoscience Map 1996-2	115 P/16 Murphy & Hoon Geoscience Map 1996-3
115 P/11	115 P/10	115 P/9

QUATERNARY

Q Alluvium, colluvium and glacial deposits. Stipple indicates approximate extent of historical and current placer gold workings

LATE CRETACEOUS - PALEOCENE

McQUESTEN INTRUSIONS¹

KMg Medium- to coarse-grained, locally porphyritic and potassium feldspar megacrystic biotite ± muscovite granite and quartz monzonite

EARLY LATE CRETACEOUS

TOMBSTONE INTRUSIONS

KT medium- to coarse-grained, locally porphyritic biotite ± hornblende, clinopyroxene granite, granodiorite
KTs, qz: massive medium- to coarse-grained biotite-hornblende-clinopyroxene syenitic quartz syenite. KTqps includes body of tourmaline-orthoclase granite KTg
KTp: fine-grained, locally porphyritic, primarily granitic dykes

DEVONIAN-MISSISSIPPIAN

EARN GROUP

DME Grey to black shale, phyllite, siltstone, sandstone, and chert-pebble conglomerate

UNCONFORMITY

ORDOVICIAN-SILURIAN

ROAD RIVER GROUP

Ss Steel Formation²: Beige-orange, massive to well laminated, locally ripple cross-laminated, locally dolomitic siltstone and mudstone; common feeding traces and mottling due to bioturbation
OSD Duo Lake Formation³: Grey to black shale and thin-bedded chert

UPPER CAMBRIAN-ORDOVICIAN (?)

COR Rabbitts Lake Formation⁴: Laterally persistent calcareous phyllite, thin- to medium-bedded marbledolomitic marble, and rare limestone-pebble conglomerate; cherty greenish calcareous rock near intrusions

UNCONFORMITY

CAMBRIAN

CgC Gull Lake Formation⁵: tan- to brown-weathering thinly-bedded calcareous siltstone, sandstone, shale and limestone

UPPER PROTEROZOIC(?) LOWER CAMBRIAN

HYLAND GROUP

Py Yusezyu Formation⁶: isolated blue-grey quartz and chalky white feldspar pebbly meta-sandstone, tan to grey meta-sandstone, muscovite-chlorite phyllite (gri) and pebble meta-conglomerate; and uncommon sandy marble (ev.)
PyT Yusezyu Formation⁶: prominently foliated and lineated muscovite-chlorite phyllite quartzofeldspathic and micaceous psammite, rare calcareous and marble (PyT)

TOMBSTONE STRAIN ZONE UPPER BOUNDARY

LEGEND

MINERAL OCCURRENCES

Yukon Mintfile

Intrusion-hosted:

115P 011	Josephine	W-Au
115P 012	Rhombel	W-Au
115P 013	Pukelman	W-Au
115P 034	Barney	W-Sn
115P 047	Zeia	Sn-Ag greisen

Vein:

115P 023	Lewis	Au in quartz vein
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Stratabound:

115P 045	Omega	bedded Ba
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Work targets:

115P 029	Unnamed	unknown
115P 035	Unnamed	unknown
115P 040	Unnamed	unknown
115P 055	Unnamed	unknown
115P 060	Unnamed	unknown

STRUCTURAL RELATIONSHIPS IN THE McQUESTEN RIVER REGION

Diagram showing the relationship between the Road River Group, Earn Group, and Hyland Group, and the Tombstone Strain Zone.

RECOMMENDED CITATION

MURPHY, D.C.; HEON, D. and HUNT, J.A., 1996. Geological map of Clear Creek area, western Selwyn Basin, Yukon. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Geoscience Map 1996-1, 1:50 000 scale.

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.

Copies of this map, the accompanying report and Yukon Mintfile 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. 403-667-3186.

Last revisions made June 11, 1996.

SYMBOLS

Geological contact (defined, approximate, assumed and/or covered).....

Fault: displacement unknown (defined, approximate, assumed and/or covered).....

Fold axial surface trace (upright anticline, syncline, overturned syncline, anticline).....

Limit of outcrop.....

Limit of hornfels.....

Bedding (brown 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..... 69.3 ± 0.5 Ma

Line of cross-section..... A A'

Apparent dip of bedding, foliation in cross-section.....

Foliation form lines in cross-section.....

Summer roads.....

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

Geoscience Map 1996-1

Geological map of Clear Creek area western Selwyn Basin Yukon (115 P/14)

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