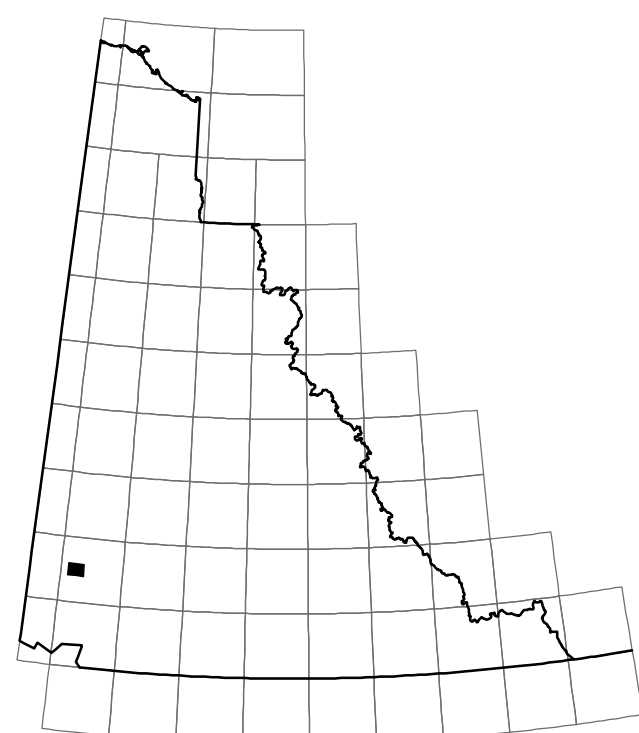
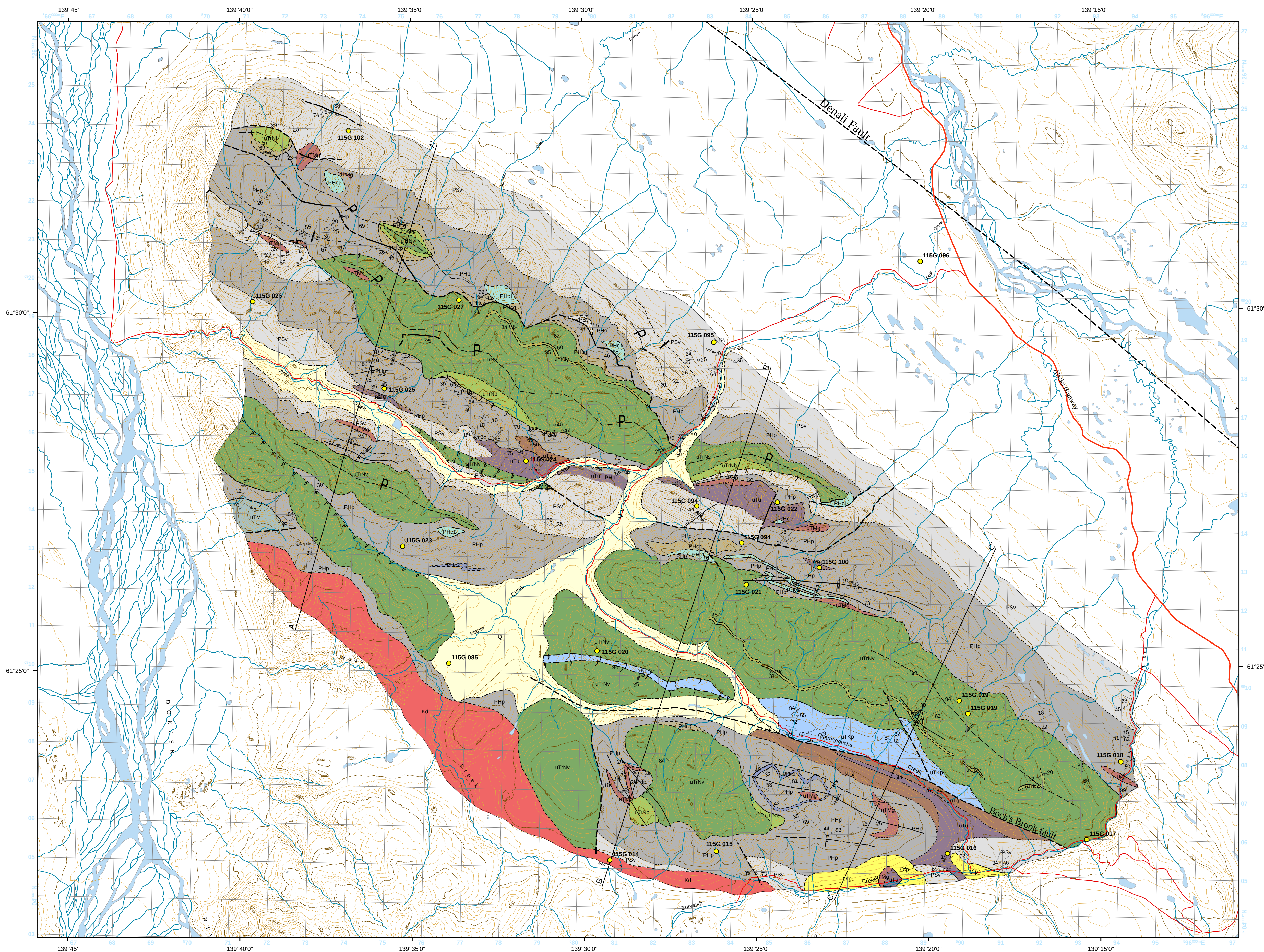
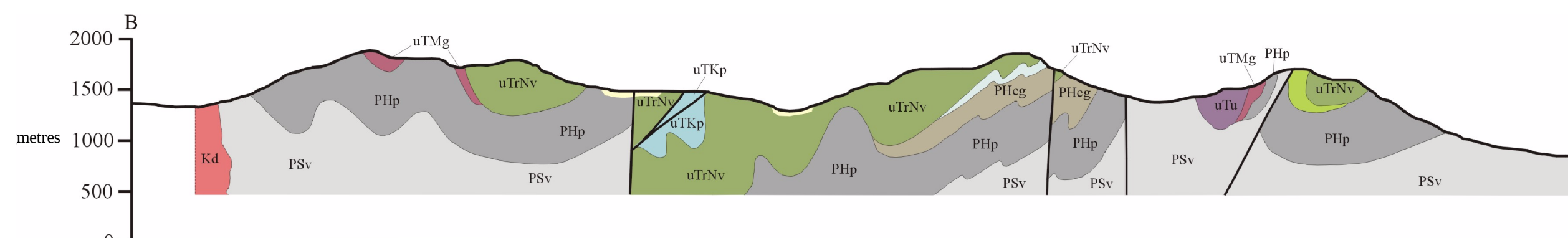


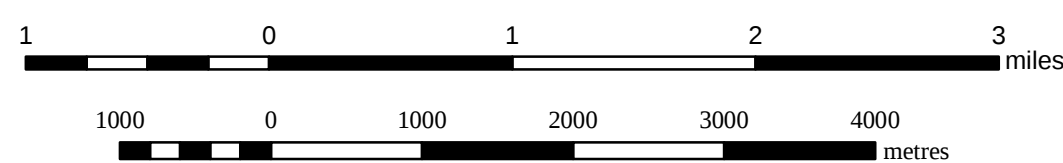


Topographic base produced by
SURVEYS AND MAPPING BRANCH
DEPARTMENT OF ENERGY, MINES
AND RESOURCES.

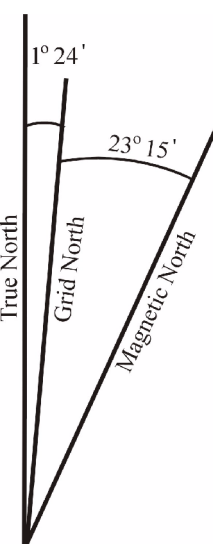
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ONE THOUSAND METRE
Universal Transverse Mercator G
Zone 7

QUILL CREEK
(PARTS OF 115G/5, 6, 12)
YUKON TERRITORY
SCALE 1:50 000



CONTOUR INTERVAL 100 FEET
Elevation in Feet above Mean Sea Level
North American Datum NAD 83
Tranverse Mercator Projection

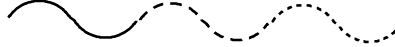
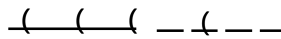
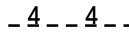


Use diagram only to obtain numerical values
APPROXIMATE MEAN DECLINATION 2004
FOR CENTRE OF MAP
Annual change decreasing 2.8'

QUATERNARY	
Q	unconsolidated alluvium, colluvium and glacial deposits
INTRUSIVE ROCKS	
OLIGOCENE	
<i>Tkape suite</i>	
Otp	fine- to medium-grained, equigranular hornblende +/- biotite quartz-feldspar porphyry
CRETACEOUS	
<i>Kluane Ranges suite</i>	
Kd	fine- to medium-grained, equigranular hornblende +/- pyroxene diorite and gabbro
TRIASSIC	
<i>Maple Creek gabbro</i>	
uTMg	fine- to coarse-grained diabase and gabbro sills and dykes, locally abundant epidote- and chlorite-altered. Locally columnar jointed
<i>Kluane mafic-ultramafic complex</i>	
uTg	coarse-grained and pegmatitic gabbro
uTU	peridotite, dunite and clinopyroxenite, layered intrusions, locally with gabbroic chilled margins
STRATIGRAPHIC ROCKS	
TRIASSIC TO CRETACEOUS	
<i>Tatamagouche succession</i>	
uTKp	dark to light grey phyllite, minor greywacke and brick red pebble conglomerate, may include upper parts of McCarthy Formation
UPPER TRIASSIC	
<i>McCarthy Formation</i>	
uTM	light to dark grey shale and argillite interbedded with buff-coloured limestone
<i>Nikolai formation</i>	
uTNc	thinly bedded grey limestone and minor maroon to olive green argillite
uTNv	dark green to maroon amygdaloidal basalt and basaltic andesite flows, locally pyroxene- and plagioclase-phryic; and developed pillows. Rare olivine crystals
uTNb	light to dark green volcanic breccia; angular clasts of amygdaloidal and pyroxene porphyry volcanic rocks and minor argillite in a fine-grained matrix
PENNSYLVANIAN (?) AND PERMIAN	
<i>Hasen Creek Formation</i>	
PHcg	pebbly, to cobble-conglomerate, rounded to sub-angular clasts of siltstone, chert, greywacke and minor mafic volcanic rocks, massive to graded beds several metres thick
PHc2	light to dark grey limestone, fossiliferous and frequently pebbly, commonly graded and cross-bedded
PHc1	light grey to white bioclastic limestone, local cherty interbeds
PHp	dark to light grey/brown siltstone turbidites, siliceous argillite, chert and minor volcanoclastic sandstone and tuffs
<i>Station Creek Formation</i>	
PSv	dark to light green volcanic breccia, crystal tuff and tuffaceous sandstone; breccia clasts consist of aegitic phryic basalt within tuffaceous matrix; minor arguite phryic, local amygdaloidal basalt flows

LEGEND

SYMBOLS

geologic contacts (defined, approximate, inferred).....	
limit of mapping.....	
limit of outcrop.....	
fault; movement not known (known, approximate).....	
thrust fault (known, approximate).....	
normal fault (inferred).....	
bedding (tops known, tops unknown, vertical, overturned).....	
foliation (dominant, late).....	
elongation or mineral lineation.....	
intersection lineation.....	
fold axis (first phase, second phase, vergence known).....	
fold axial trace (antiform: upright, overturned; synform: upright, overturned)....	
crenulation lineation.....	
dyke.....	
Yukon MINFILE location.....	
Road (paved highway, unpaved road).....	

REFERENCES

Deklerk, R. (compiler), 2003. Yukon MINFILE - A database of mineral occurrences. Yukon Geological Survey, CD-Rom.

Read, P.B. and Monger, J.W.H. 1976. Pre-Cenozoic assemblages of the Kluane and Aisek Ranges, southwest Yukon Territory. Geological Survey of Canada, Open File 381, 96 p.

RECOMMENDED CITATION

Israel, S. and Van Zeyl, D., 2004. Preliminary geological map of the Quill Creek area (parts of NTS 115G/5, 6, 12), southwest Yukon (1:50 000-scale). Yukon Geological Survey, Open File 2004-20.

Digital cartography and drafting by S. Israel, Yukon Geological Survey.

Any revisions or additional geological information known to the user would be welcomed by the Yukon Geological Survey.

Paper copies of this map, the accompanying report and Yukon MINFILE may be purchased from the Geosciences Information and Sales, c/o Whitehorse Mining Recorder, P.O. Box 2703 (K-102), Whitehorse, Yukon, Y1A 2C6. Phone 867-5200, Fax 867-667-5150, Email geosales@gov.yk.ca

A digital PDF (Portable Document Format) file of this map may be downloaded free of charge from the Yukon Geological Survey website at www.geology.gov.yk.ca

Keep this map in a dark area to keep colours from fading.

Additional geology from Read and Monger (1976) and T. Bremner (unpublished data)

Yukon Geological Survey
Energy Mines and Resources
Yukon Territorial Government
Open File 2004-20

Preliminary geological map of the Quill Creek area,
(parts of NTS 115G/5, 6, 12), southwest Yukon
(1 : 50 000 scale)

by
Steve Israel and David Van Zeyl

Mineral Occurrences		
Yukon MINFILE (Dekler, 2003)		
115G 014	Amp	anomaly
115G 015	Cork	drilled prospect
115G 016	Glen	drilled prospect
115G 017	Burwash	drilled prospect
115G 018	Nelms	unknown
115G 019	Jaquett	drilled prospect
115G 020	Varg	unknown
115G 021	Quail	drilled prospect
115G 022	Versluce	drilled prospect
115G 023	Callinan	unknown
115G 024	Wellgreen	underground past production
115G 025	Airways	drilled prospect
115G 026	Muskeeter	showing
115G 027	Swede Johnson	showing
115G 094	Linda	drilled prospect
115G 095	Arby	unknown
115G 102	Tremblay	unknown

115G/12	115G/11	115G/10
115G/5	115G/6	115G/7
115G/4	115G/3	115G/2