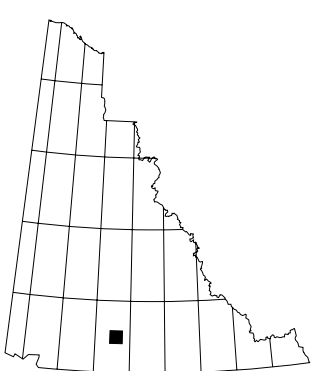
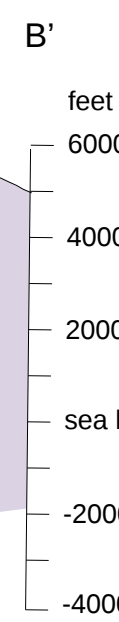
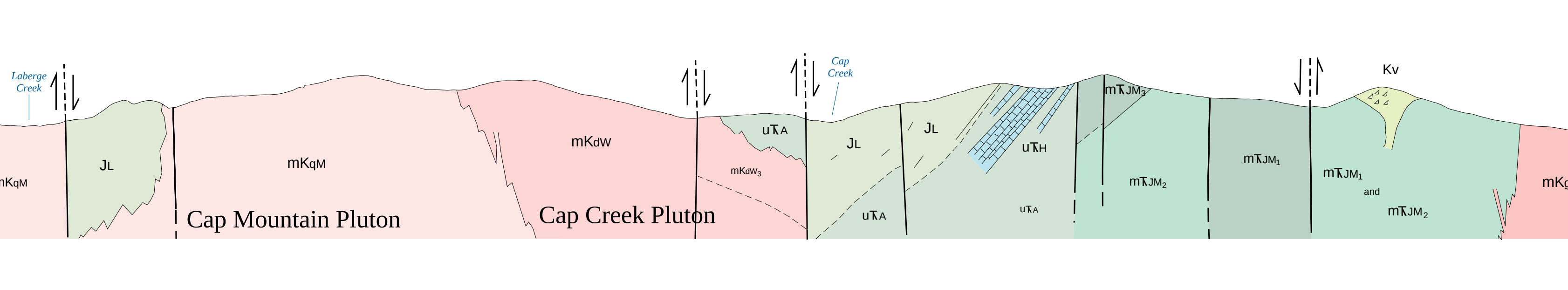
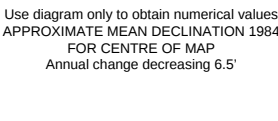




ONE THOUSAND METRE
Universal Transverse Mercator Grid
ZONE 8

A horizontal scale bar with alternating black and white segments. Above the bar, the word "miles" is written at both ends. Numerical markers are placed above the bar at intervals: 1, 0, 1, 2, and 3. The bar represents a distance of 3 miles.

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection



105 E/3 Templeman-Klaft 1984	105 E/2 Templeman-Klaft 1984	105 E/1 Templeman-Klaft 1984
105 D/14 Hart, Geoscience Map 1997-5	105 D/15 THIS MAP	105 D/16 Hart and Hunt Geoscience Map 1997-7
105 D/11 Hart and Radloff 1990	105 D/10 Wheeler 1961	105 D/9 Wheeler 1961

Q	Unconsolidated silt, sand and gravel of glacial, fluvial and lacustrine origins.
CRETACEOUS	
Mid-CRETACEOUS	
Kv	Light weathering, black, pink, orange-grey, quartz-eye rhyolite and dacite, flows, tuffs and isolated fragmental volcanics with foamlike breccia. Related to Mount Myiye plutonics on 105 D116.
Mount Myiye Cretaceous Suite (105 Ma)	
mkQtz	Light grey to pink, light to dark grey, fine-grained to medium to coarse-grained rhyolite-quartz monzonite, granite and quartz syenite containing numerous small, mafic xenoliths and coes.
mkQtz	Dark grey to black, dark pink, hornblende monzonite and syenite with dark pink groundmass and chloritic hornblende monzonite. Feldspar is the main alteration is alteration is common.
mkQz	Light weathering, white, pink or light orange, rhyolite, alkali-slate quartzite, felsite, plugs and dykes. Light weathering, white and light grey, flow bands, rhyolite.
mkQz	Rhyolite alkali-slate and light-weathering porphyry dykes generally related to the

mKw ₀	Cap Creek Pluton: medium grey weathering, medium grained, equigranular, biotite hornblende <u>granodiorite</u> .
mKw ₁	Dark weathering, fine-grained, biotite or hornblende-rich <u>quartz diorite</u> and diorite.
mKw ₂	Medium-grained, white weathering, propylitically altered biotite and hornblende, <u>leucocratic granodiorite</u> .
mKw ₃	Dark, blocky weathering, coarse grained, hornblende <u>diorite</u> .
mKl	Light weathering, light grey, feldspar-hornblende-quartz-phyric, siliceous felsite dykes and pegs.

mKgt M'Clintock Granodiorite: White to pale grey weathering, recessive, leucocratic, coarse-grained equigranular biotite - hornblende granodiorite locally with sparse grey and pink potassium feldspar phenocrysts.

LABERGE GROUP

JL Brown to tan weathering, recessive, sedimentary rocks including siltstone, sandstone, greywacke, interbedded silt and sandstone coquinas, and horfite with rare, usually solitary, conglomerate and limestone beds. Similar to and may include UTA.

RICHTHOFFEN FORMATION

JR Dark weathering, massive to finely laminated, black mudstone, limy mudstone mudstone and horfite, locally with wavy brown limestone or limestone horizons. Depositionally on top of uppermost Laberge River Group limestone. Lower part of this unit is flaggy and limy.

LATE TRIASSIC

LEWES RIVER GROUP

AKSALA FORMATION

uKa Undifferentiated sedimentary rocks including in decreasing abundance; limy siltstone, siltstone, shale, sandstone, conglomerate, horrefels and diamictite all locally with limestone. Very difficult to distinguish from, and may include Laberge Group.

uTh Hancock Member: White weathering, resistant, massive to poorly bedded, bioclastic and micritic limestone, marble and skarn; and recessive, flaggy, dark grey limestone and sandy limestone.

uTh₁ Massive to poorly bedded, limestone conglomerate and breccia deposited as debris flows and fanlimestone. Limestone occurs as angular clasts or as a matrix in conglomerate.

U $\overline{\text{K}}\text{P}$	Dark grey-green weathering, monotonous accumulations of grungy-green pillowed basalt flows with vesiculated rims, interpillow carbonate, epidote, calcite and chlorite alteration.
U $\overline{\text{K}}\text{P}_1$	As above, except maroon weathering as a result of hematitic alteration induced by oxidation.
U $\overline{\text{K}}\text{P}_2$	Resistant, dark weathering, massive, chloritized and epidotized, <u>greystone</u>

	Dark, resistant, magnetite, basaltic andesite and gabbro dykes.
	Black weathering, fine-grained, aphyric, pillow basalt flows with calcite veining and weak but pervasive chlorite alteration. These pillows are under a package of gritty and limy sediments.
	Chaotic assemblage of recessive weathering, volcanogenic sandstone, shale, and grey mudstone. Includes limestone or limy beds, and resistant, dark weathering, chaotic and massive to poorly bedded, heterolithic, diamictic, conglomerate and fragmental or gritty sedimentary rocks.
	Grey weathering, generally unaltered, fine-grained and feldspar and pyroxene-phryic, pillow basalt flows massive microdiorite. Locally associated with Mn-rich MnO ₂ .
	Dark weathering, massive, variable texture, coarse-grained and locally pegmatitic, pyroxene gabbro and diorite.

Limit of outcrop.....

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

Flag
(defined, approximate, assumed and/or covered).....

Bedding.....

Flow surface (includes pillows).....

Schistosity of shear zone.....

Primary magmatic flow fabric.....

Anticline, syncline.....

Cross-section line.....

Isotopic age determination.....

Details are in the accompanying Bulletin (Appendix 7).....

Monogram in § 379.....

Fossil locality.....

Details are in the accompanying Bulletin (Appendices 1-3).....

T=Trasacis macrodactylus, C=Trasacis conoides.....

FIG 113

Yukon MINFILE Number	MINERAL OCCURRENCES	
	Name	Deposit Type
49	LABE	Exploration Target
50	POW	Cu (W, Mo) skarn
51	ACE	Au, Ag (Pb, Zn) vein
86	WHEELER	Exploration Target
148	SLEWE	Exploration Target
149	ERGE	Exploration Target
197	JOE	Au vein
203	GRUMPY	Au vein

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Digital cartography and drafting by Will van Randen, Yukon Geology Program.

Any revisions or additional geological information known to the user would be welcome by the Yukon Geology Program.

Copies of this map, the accompanying report and Yukon Minfile may be purchased from Geoscience Information and Sales, Exploration and Geological Services Division, Northern and Northern Affairs Canada, Room 102-300 Main St. Whitehorse, Yukon, Y1A 2B5, Ph. 867-667-3264 Fax 867-667-3267.

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

Geoscience Map 1997-6
Geology of Joe Mountain area,
southern Yukon
(105D/15)

by
Craig J.R. Hart and Julie A. Hunt
Canada/Yukon Mineral Development Agreement
Geoscience Office