

LEGEND

Note: this legend is common to maps 1282A, 1283A and 1284A

NORTHERN PART

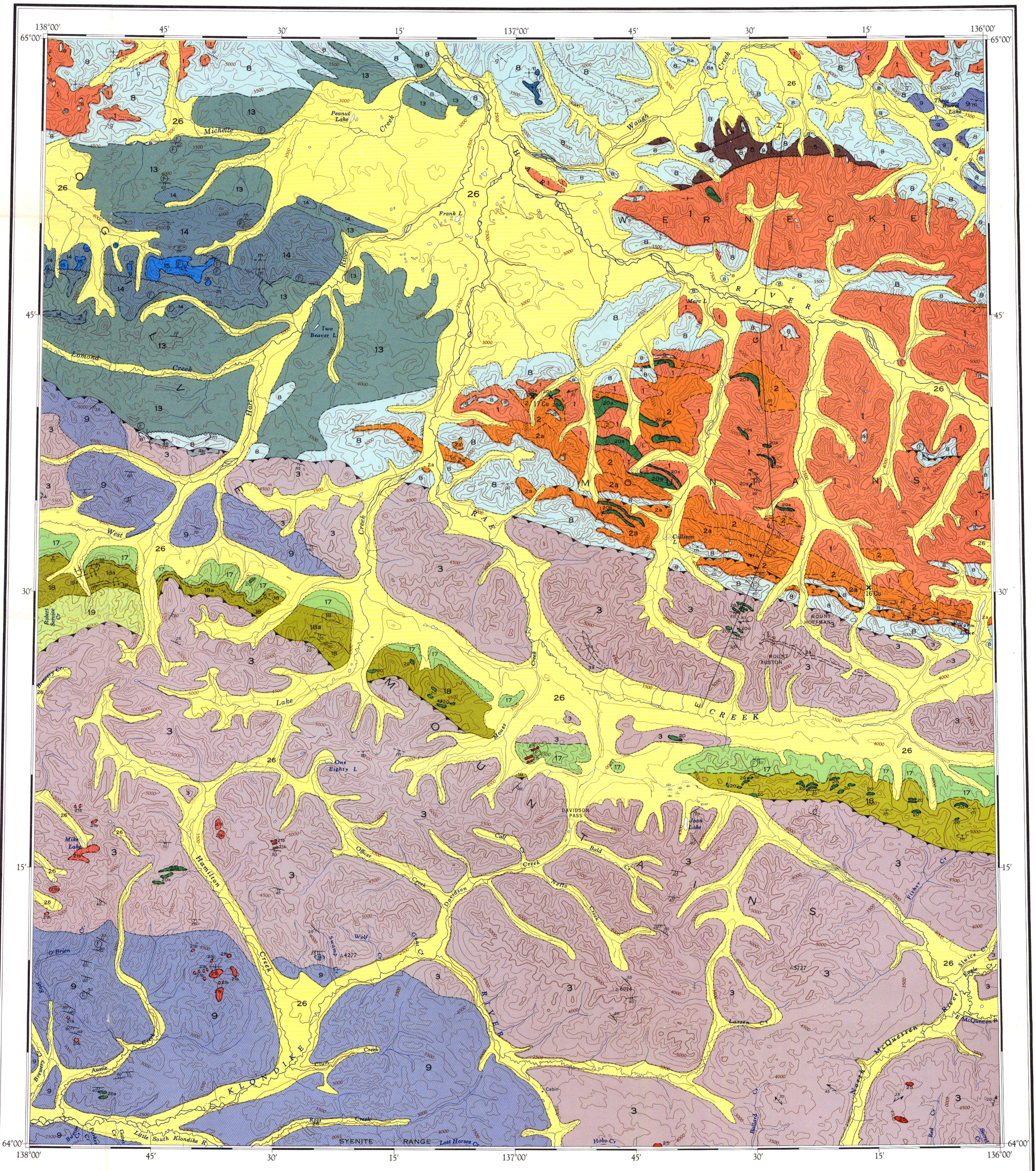
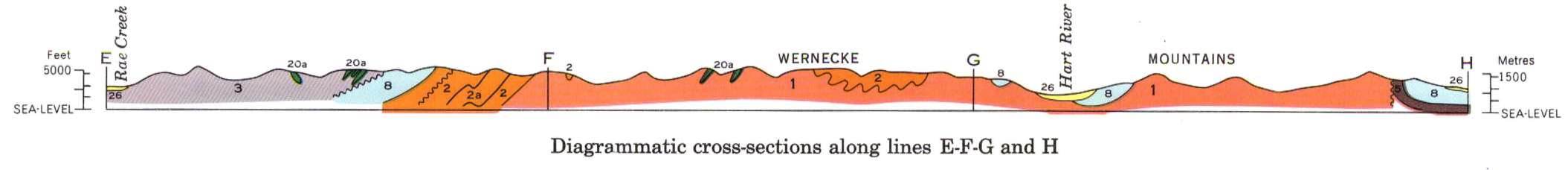
SOUTHERN PART

CENOZOIC	QUATERNARY	26	Unconsolidated glacial and alluvial deposits
	CRETACEOUS AND TERTIARY (?) UPPER CRETACEOUS AND LATER (?)	22	MONSTER FORMATION: 22a, brown-weathering, thin-bedded, brown chert-grain sandstone, siltstone, shale, and fine chert-pebble conglomerate
MESOZOIC		20a	Orange- to brown-weathering diorite and gabbro; altered equivalents; may be older than 20
		19	Mottled green and maroon shale and brown-weathering, thin-bedded, brown siltstone, commonly limy
		18	KENO HILL QUARTZITE: grey and blue-grey, massive quartzite; minor slate and phyllite, commonly graphitic, argillaceous quartzite; 18a, thin-bedded and phyllitic quartzite, graphitic and chloritic slate and phyllite; minor limestone and massive quartzite; 18b, as 18 but may be older
		17	LOWER SCHIST division: dark grey argillite, slate, and phyllite, commonly graphitic, thin-bedded dark grey quartzite, platy to phyllitic quartzite; minor phyllite and limy quartzite
	TRIASSIC	16	Black-weathering, platy, black limy shale and limestone; thin bands of grey- to buff-weathering limestone
	PERMIAN	15	TAKKANIT FORMATION: white, light grey, and dark grey chert, cherty limestone, and limestone
	CARBONIFEROUS TO PERMIAN	14	Buff-weathering, dark grey, thin- to medium-bedded limestone; minor black shale, chert, and chert-pebble conglomerate; 14a, dark shale, argillaceous limestone, and thin-bedded brown sandstone; minor chert-pebble conglomerate; 14b, black- and silvery-weathering shale and slate; minor platy, buff-weathering grey limestone, impure sandstone
	DEVONIAN TO CARBONIFEROUS MIDDLE DEVONIAN TO CARBONIFEROUS	13	Black shale, argillite, and slate, black platy limestone, chert; minor chert-pebble conglomerate and quartzite; 13a, Nation River Formation: brown-weathering fine chert-pebble conglomerate and chert-grain sandstone may, in part, be younger Monster Formation (22)
	DEVONIAN LOWER MIDDLE DEVONIAN	11	Limestone, dark grey, brown and black, massive to thin-bedded, very fine grained, buff-grey-weathering
	PALEOZOIC		10
SILURIAN (?) TO MIDDLE DEVONIAN		12	Dark grey-weathering, black, thin-bedded, platy limestone, commonly argillaceous and locally siliceous, and interbedded black chert
ORDOVICIAN AND SILURIAN		9	ROAD RIVER FORMATION: mainly interbedded black chert and black argillite, also grey-green, olive-green, and grey chert and grey-green argillite; minor quartzite, and chert-pebble conglomerate
		8	Grey- and buff-weathering dolomite and limestone, mostly medium to thick bedded; minor platy black argillaceous limestone and dolomite (may include some 9, 10, and 11); 8a, grey- to dark grey-weathering, dark volcanic rocks, many partly serpentinized, brown-weathering grey-green limy tuff and argillite, and thin-bedded brown limestone
CAMBRIAN MIDDLE (?) AND UPPER CAMBRIAN		6	Buff, brown, and grey-weathering, thin- to medium-bedded limestone, and grey-weathering thin- to thick-bedded dolomite; minor brown and green shale and orange-weathering dolomite
CAMBRIAN (?)		5	Mainly brick-red, thick-bedded to massive sandstone and red to buff massive conglomerate; minor red shale; local andesitic or basaltic flows and sills
LOWER CAMBRIAN TO ORDOVICIAN (?)		7	Grey-weathering, brown to buff limestone and limestone conglomerate; 7a, grey-weathering, medium- to thick-bedded limestone and dolomite (may include some Precambrian)
PRECAMBRIAN AND/OR LATER		4	Dark brown- and green- to light grey-weathering dark green volcanic rocks, commonly with calcite filled vesicles, breccia, tuff, and agglomerate; minor interbedded shale, chert, siltstone, and limestone; 4a, dark brown to dark green-weathering dark green volcanic rocks, commonly with calcite-filled vesicles, breccia, tuff, and agglomerate. Interbedded with 2d and may be older; 4b, dark green, fine-grained andesite
PRECAMBRIAN AND/OR CAMBRIAN		3	Mainly buff-, brown-, and rusty-weathering, gritty quartzite, sandstone and quartz-pebble conglomerate; black, maroon and green shales, and slates; schistose quartzite, quartz chlorite schist, quartz-mica schist and phyllite; minor limestone and black chert; 3a, thin- to medium-bedded, dark grey limestone
PROTEROZOIC			2
		1	Mainly dark grey, grey-green, and black, thin-bedded argillite, slate and phyllite; minor grey quartzite, orange-weathering dolomite, and conglomerate; 1a, grey-weathering, thinly laminated, silicified limestone
	METAMORPHIC ROCKS SOUTHWEST OF TINTINA TRENCH (occurs only on Map 1284A, Dawson)	E	Reddish brown-weathering, dark green serpentinized ultrabasic rocks
	D	Fine- to medium-grained, granitic textured, quartz-biotite gneiss; minor quartzite, quartz-mica and biotite-chlorite schist, and quartz-feldspar pegmatite	
	C	Dark weathering greenstone and banded amphibolite gneiss; minor chloritic quartz-mica schist, graphitic quartz-mica schist, quartzite, and limestone	
	B	KLONDIKE "SCHIST": mainly buff weathering, light pale green quartz-muscovite-chlorite schist, and schistose, chloritic quartzite, with all intermediate rock types also present; minor silvery muscovite schist, fine-grained quartz-biotite gneiss, thinly laminated quartz-graphite-sericite schist and quartzite	
	A	NASINA "SERIES": grey and grey-green, micaceous quartzite; dark grey, light grey and silvery quartz-mica schist; minor fine-grained quartz biotite gneiss, graphitic schist and quartz-muscovite-chlorite schist; Aa, high rank metamorphic rocks with biotite and garnet; Ab, coarsely crystalline, whitish limestone	

QUATERNARY	26	Unconsolidated glacial and alluvial deposits
TERTIARY	25	Quartz porphyry
	24	Dark grey and brown andesite and basalt, commonly porphyritic; minor shale, sandstone, and conglomerate
	23	Poorly consolidated, brown, buff, and grey, arkosic and micaceous sandstone, light and dark shale, poorly sorted conglomerate; minor lignite
CRETACEOUS	21	21a, fine- to coarse-grained, uneven textured, biotite granodiorite and biotite quartz monzonite; 21b, mainly hornblende and hornblende/biotite syenite, commonly porphyritic (potassium feldspar phenocrysts), uneven textured, mostly medium grained, locally fine or coarse grained; minor diorite
	20	Orange- to brown-weathering diorite and gabbro; altered equivalents; 20a, may be older
	19	Mottled green and maroon shale and brown-weathering, thin-bedded, brown siltstone, commonly limy
	18	KENO HILL QUARTZITE: grey and blue-grey, massive quartzite; minor slate and phyllite, commonly graphitic, argillaceous quartzite; 18a, thin-bedded and phyllitic quartzite, graphitic and chloritic slate and phyllite; minor limestone and massive quartzite; 18b, as 18 but may be older
JURASSIC	17	LOWER SCHIST division: dark grey argillite, slate, and phyllite, commonly graphitic, thin-bedded dark grey quartzite, platy to phyllitic quartzite; minor phyllite and limy quartzite
TRIASSIC	16	Black-weathering, platy, black limy shale and limestone; thin bands of grey- to buff-weathering limestone
PERMIAN	15a	Limestone with some chert
MINERALS		Antimony Sb Asbestos asb Coal C Copper Cu Gold placer Au Iron Fe Lead Pb Silver Ag Tin Sn Tungsten W Zinc Zn
		Geological boundary (defined, approximate, assumed) Bedding, tops known (horizontal, inclined, vertical) Bedding, tops unknown (dip known) Bedding, estimated attitudes, may in part be of foliation; horizontal, inclined, vertical (dip: g, gentle; m, medium; s, steep) Foliation (horizontal, inclined, vertical) Fault (defined, approximate, assumed) Thrust fault (with in direction of dip: defined, approximate, assumed) Anticline (defined, approximate; arrow indicates plunge) Syncline (defined, approximate; arrow indicates plunge) Anticline, syncline (overturned) Fossil locality Mineral occurrence 17 Ca X Goldfield
		Geology by L.H. Green and J.A. Roddick, 1961 To accompany GSC Memoir 364 by L.H. Green Geological cartography by the Geological Survey of Canada Base-map at the same scale published by the Surveys and Mapping Branch in 1954, 1957 and 1958. Roads were revised by the Geological Survey of Canada for this edition. Copies of the topographical edition of this map may be obtained from the Map Distribution Office, Department of Energy, Mines and Resources, Ottawa Any revisions or additional information known to the user would be welcomed by the Geological Survey of Canada The following names have not been approved by the Canadian Permanent Committee on Geographical Names: Mike Lake, Frank Lake, Peanur Lake, Marc Lake, Callison Lake, Joan Lake.



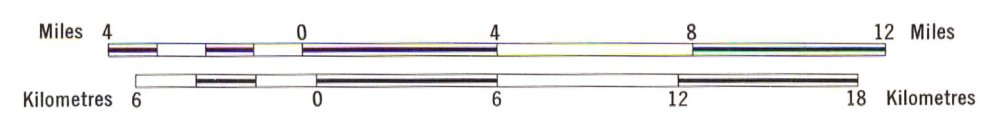
GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES



Published 1972
Copies of this map may be obtained from the Geological Survey of Canada, Ottawa

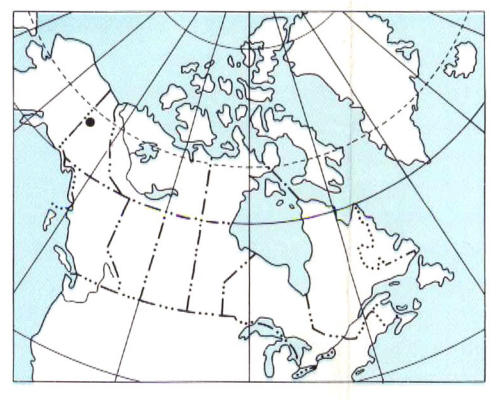
MAP 1283A
GEOLOGY
LARSEN CREEK
YUKON TERRITORY

Scale 1:250,000



Magnetic declination 1970 varies from 33°17' easterly at centre of west edge to 34°14' easterly at centre of east edge. Mean annual change decreasing 4.2'

Elevations in feet above mean sea-level



116 G-116 F (E 1/2)	116 H	106 E
116 B-116 C (E 1/2)	116 A	106 D
1284A	1283A	1282A
115 O-115 N (E 1/2)	115 P	105 M
711A	1143A	890A

NATIONAL TOPOGRAPHIC SYSTEM REFERENCE AND INDEX TO GEOLOGICAL SURVEY OF CANADA MAPS
LARSEN CREEK
YUKON TERRITORY