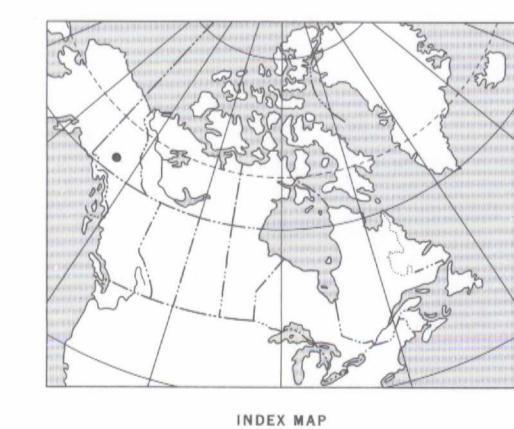
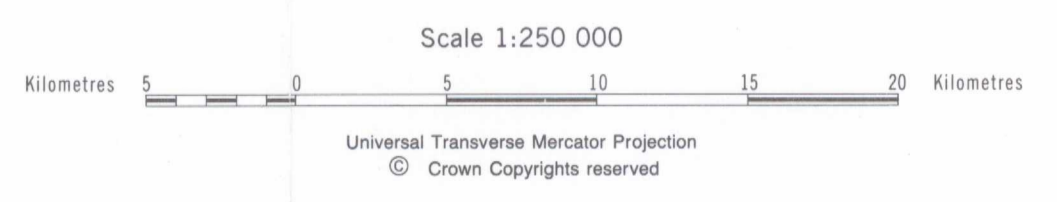


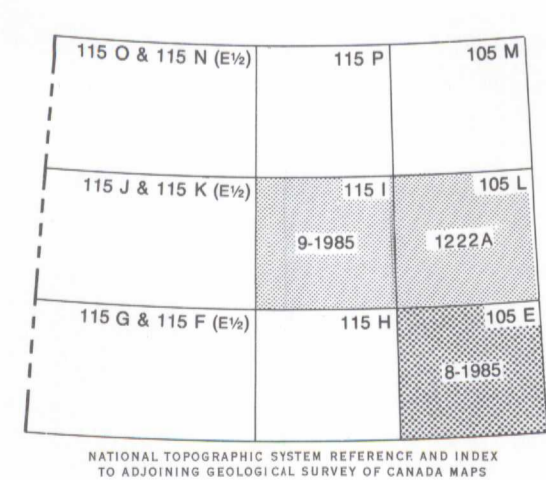
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MAP 8-1985
 SURFICIAL GEOLOGY
LABERGE
 YUKON TERRITORY



Universal Transverse Mercator Projection
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NATIONAL TOPOGRAPHIC SYSTEM REFERENCE AND INDEX TO ADJOINING GEOLOGICAL SURVEY OF CANADA MAPS

Geology by R.W. Klassen and S.R. Morison, 1978-1979.

Recommended citation:
 Klassen, R.W. and Morison, S.R.,
 1987: Surficial geology, Laberge, Yukon Territory;
 Geological Survey of Canada,
 Map 8-1985, scale 1:250 000

LEGEND

NATURE OF MATERIAL AND ESTIMATED THICKNESS	GENETIC DESCRIPTION	MORPHOLOGIC EXPRESSION	COMMENTS
O	peat and muck; 1 to 2 m thick	organic deposits	flat areas of bog and fen; distinctive features occur along the bottoms of some alpine valleys
Cb	mixtures of material derived from glacial deposits and bedrock; thickness is variable	landslide, earth flow, solifluction, and rock glacier deposits	irregular or hummocky surfaces
Cb	rock rubble and/or reworked glacial deposits	colluvium consisting of material redeposited by downslope movement	surface reflects morphology of underlying material; commonly occurs on bedrock slopes in mountainous terrain
Ap	gravel, sand, and silt; 5 to 20 m thick	alluvial valley bottom deposits	gently irregular to nearly flat surfaces that include mostly floodplains of modern streams; small features such as stream terraces and alluvial fans may be present; abandoned channels and point bars are the most prominent features on these surfaces
At	gravel, sand, and silt; 5 to 20 m thick	alluvial terraces	gently irregular or nearly flat, low level terraces bordering alluvial plains
Ad	gravel, sand, and silt; 5 to 20 m thick	alluvial deltas	gently irregular or nearly flat surfaces
Al	gravel, sand, and silt; 5 to 20 m thick	alluvial fans	gently irregular, channelled surface with marked slope towards valley bottom
Lp	clay, silt, and sand; 5 to 10 m thick	glaciolacustrine deposits	gently irregular or nearly flat surfaces along the bottoms and lower slopes of large valleys
Gp	gravel, sand, and silt; 5 to 20 m thick	outwash plains	gently irregular or nearly flat terrain marked by shallow channel patterns or locally pitted surfaces
Gt	silt, sand, and gravel; 5 to 50 m thick	terraces underlain by glaciofluvial and/or glaciolacustrine deposits	nearly flat to irregular, pitted surfaces
Gr	sand and gravel; 5 to 30 m thick	ice-contact glaciofluvial deposits	strongly irregular, ridged, and kettled terrain with local relief to 30 m
Gh	silt, sand, and gravel; 5 to 30 m thick	ice-contact glaciofluvial deposits	strongly irregular, pitted, or hummocky terrain with local relief to 30 m
Gx	gravel, sand, silt, and till; 1 to 20 m thick	melwater channel and glaciofluvial complexes	gently irregular or hummocky glaciofluvial deposits along with minor patches of till and bedrock; surfaces are in part marked by braided channels
Mb	till; silty to sandy matrix; 1 to 30 m thick	lodgment and ablation till	irregular to strongly irregular bedrock topography blanketed by till
Mv	till; silty to sandy matrix; bouldery; generally less than 1 m thick	ablation and lodgment till	bedrock terrain with a discontinuous cover of till
A + Mx	gravel, sand, silt, and till; thickness is variable	valley bottom complex of alluvial, colluvial, and glacial deposits	nearly flat to strongly irregular terrain with relief to 30 m
R	bedrock and bedrock rubble	bedrock outcrop and shattered bedrock	mountainous terrain and low hills and ridges adjacent to mountain fronts or within broad mountain valleys

Explanation of Letter Notation

A combination of letters is used to designate a map unit, e.g. Mv, or a component of a compound map unit, e.g. Mv/Cv. The upper case letter indicates the broad compositional-genetic class; the lower case letters indicate the morphology.

Occurrence of numerous erosional features within a map unit is indicated by the addition of a dash and a lower case letter, e.g. Mv-c, to the above letter designation.

Compound map units are used for areas of more than one component that could not be separated at the scale of mapping. The first component, which is the dominant one, is separated by a diagonal line from the second component, e.g. Mp/Mv.

Compositional-genetic category

- O - organics: peat and muck
- C - colluvial: various materials
- A - alluvial: gravel, sand, and silt
- L - glaciolacustrine: clay, silt, and sand
- G - glaciofluvial: silt, sand, and gravel
- M - morainal: till
- R - bedrock: various types

Morphologic category

- p - plain, floodplain
- h - hummocky
- t - terraced
- r - ridged
- d - delta
- b - blanket
- v - veneer
- x - complex

Other modifiers

- c - channelled
- a - alluviated
- k - thermokarst

Geological boundary

- Cirque
- Drumlin, drumlinoid ridge, glacial fluting
- Minor moraine crevasse filling
- Esker
- Melwater channel (major, minor)
- Dunes

Thematic information on this map is reproduced directly from author's copy

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

Base map at the same scale published by the Surveys and Mapping Branch in 1958

Copies of the topographical edition of this map may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa, Ontario, K1A 0E9

Mean magnetic declination 1986 30°02' East decreasing 14.5' annually. Readings vary from 29°29' in the SW corner to 30°37' in the NE corner of the map

Elevations in feet above mean sea level

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