

Canada
Department of Mines

HON. E. L. PATENAUDE, MINISTER; R. G. McCONNELL, DEPUTY MINISTER.

GEOLOGICAL SURVEY

LEGEND

OUTLINE MAP

QUATERNARY
TERTIARY
PALEOZOIC MESOZOIC
PRE-CAMBRIAN(?)
TERTIARY
PALEOZOIC MESOZOIC

Sedimentary Rocks

- I RECENT AND PLEISTOCENE
Superficial deposits
Gravel, sand, boulders, silt, volcanic ash, peat, soil, and ground-ice.
- II DOMINANTLY EOCENE
Kenai series
Conglomerate, sandstone, shale, and mud, generally loosely consolidated. Contain seams of lignite.
- IV CRETACEOUS TO CARBONIFEROUS
Argillite, shale, sandstone, conglomerate, and occasional beds of limestone.

Metamorphic Rocks

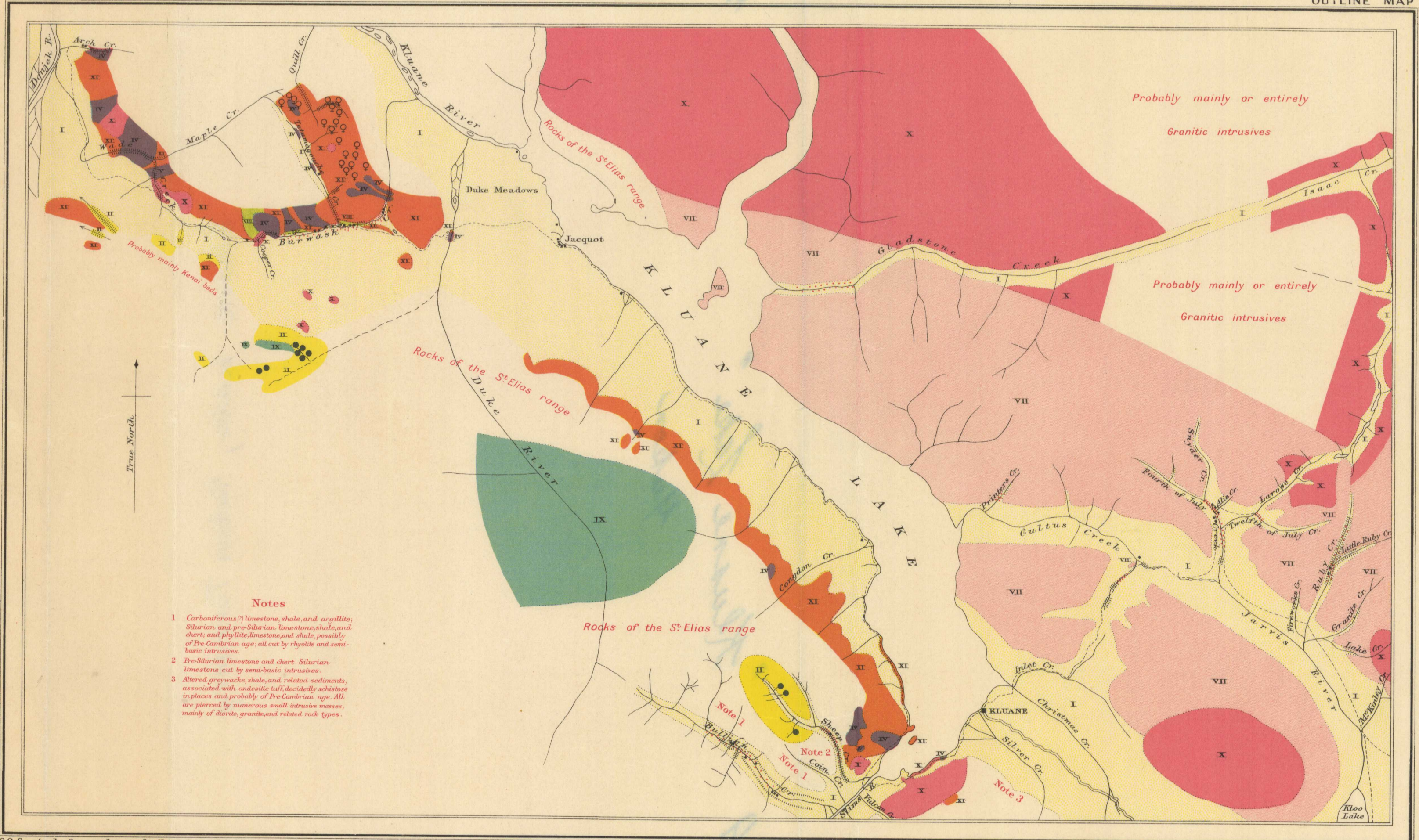
- VII PRE-CAMBRIAN(?)
Yukon group
Mainly mica schist, and quartz-mica schist. (Altered clastics)

Igneous Rocks

- VIII PROBABLY MAINLY LATE TERTIARY, MAY EXTEND INTO THE PLEISTOCENE
Rhyolite, granite porphyry, and related volcanics.
- IX MAINLY LATE TERTIARY, MAY EXTEND INTO THE PLEISTOCENE
Mainly quartz andesite, and basalt, dominantly amygdaloidal or pumiceous, and related pyroclastic rocks.
- X CRETACEOUS OR JURASSIC
Granitic intrusives
Mainly granites and closely related types having a granitic habit.
- XI CRETACEOUS TO CARBONIFEROUS
Andesite, diorite, diabase, basalt, and related rocks with their accompanying tuffs.

Symbols

- Geological boundary position assumed.
- Coal outcrops
- Copper claims
- Portions of creeks along which coarse gold has been found. The red dots in symbol are most numerous where gold has been found to be most plentiful.
- Steep rock walls
- Cabins
- Wagon Road
- Trail



True North

Notes

- 1 Carboniferous (?) limestone, shale, and argillite; Silurian and pre-Silurian limestone, shale, and chert, and phyllite, limestone, and shale, possibly of Pre-Cambrian age; all cut by rhyolite and semi-basalt intrusives.
- 2 Pre-Silurian limestone and chert. Silurian limestone cut by semi-basalt intrusives.
- 3 Altered greywacke, shale, and related sediments, associated with andesite tuff, decidedly schistose in places and probably of Pre-Cambrian age. All are pierced by numerous small intrusive masses, mainly of diorite, granite, and related rock types.

C.O. Sénécal, Geographer and Chief Draughtsman
A. Braidwood, Draughtsman.

MAP 152 A
(Issued 1917)
KLUANE LAKE, YUKON TERRITORY
Scale of Miles
0 1 2 3 4 5 6 7 8 9 10 11 12

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Geology by R. G. McConnell, 1904.
and D. D. Cairnes, 1914.

To accompany Memoir by D. D. Cairnes.



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