

GEOLOGIC RECONNAISSANCE MAP
OF THE
CIRCLE QUADRANGLE
YUKON-TANANA REGION, ALASKA

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and A. H. Brooks
Surveyed in 1903, 1904, 1905, and 1910

Scale 1:250,000
0 5 10 Miles
0 5 10 Kilometers

Contour interval 200 feet
Datum is mean sea level,
assuming an elevation of 50 feet at Circle.

Dotted lines represent probable topography, unsurveyed.
Alfred H. Brooks, Geologist in charge of division.
Topography by T. G. Gerdine, D. C. Witherspoon,
R. B. Oliver, J. W. Bagley,
and G. T. Ford.

Triangulation by
T. G. Gerdine and D. C. Witherspoon.
Surveyed in 1903, 1904, 1905, and 1908.

Approximate magnetic
declination, Circle 1909

LEGEND
SEDIMENTARY ROCKS

QUATERNARY		TERTIARY		CRETACEOUS		CARBONIFEROUS	UNDIFFERENTIATED PALEOZOIC	PRE-ORDOVICIAN
Recent and Pleistocene		Eocene		Upper Cretaceous (f)		Lower Cretaceous		
Qal	Qm	Ta	Ku	Ki	Ch	bs		
Silt, sand, and gravel	Moraine deposits	Conglomerate, sandstone, shale, and lignite beds	Conglomerate and arkosic sandstone	Slate, shaly sandstone, and quartzite	White crystalline limestone	Quartzite, foliaceous sandstone, in part schistose, quartzite, green and black shale, slate, purple and green phyllite, chert, chert conglomerate, and limestone	Black Creek schist <small>(Quartzite schist, quartzite, gneiss, amphibolite, calc-silicates, and crystalline limestone)</small>	
TERTIARY AND PRE-TERTIARY		IGNEOUS ROCKS		MOSTLY MESOZOIC		MOSTLY PALEOZOIC		
vd	pr	db	x	+	*			
Volcanic and dike rocks, chiefly rhyolite and dacite porphyries	Plutonic rocks, chiefly granite and quartz diorite	Dioritic and basaltic flows, tuffs, and breccias, and serpentine	Gold placer	Metalliferous lode	Lignite coal deposit			

