EXPLANATION

SEDIMENTARY AND VOLCANIC ROCKS

QUATERNARY		TERTIARY AND CRETACEOUS		TRIASSIC	CARBONIFEROUS						DEVONIAN		SILURIAN
Recent and Pleistocene	*Pleistocene*	*Eocene and Upper Cretaceous*	*Lower Cretaceous*	*Upper Triassic*	*Permian*	*Pennsylvanian or Mississippian*		*Upper Mississippian*	*Lower Mississippian*	*Lower Mississippian (?)*	*Middle Devonian*		
Qal	Qmd	Tk	Kk	Tr	Ct	Cnr	Cs	Ccb	Ccv	Cc	Dwv	Da	Sl
Alluvium	Morainal deposits	Sandstone, shale, and conglomerate	Kandik formation (*Sandstone and slate*)	Limestone and shale	Tahkandit limestone	Nation River formation (*Sandstone, shale, and conglomerate*)	Shale, argillite, conglomerate, and grit	Calico Bluff formation (*Limestone and shale*)	Circle volcanics (*Basaltic greenstone interbedded with chert and argillite. Associated basic intrusives are mapped with the Circle volcanics*)	Chert, slate, and shale	Woodchopper volcanics (*Basaltic greenstone with interbedded limestone, slate, and chert*)	Argillite, chert, and cherty grit	Limestone, slate, and chert

SEDIMENTARY AND VOLCANIC ROCKS (CONTINUED)

CAMBRIAN			CAMBRIAN OR PRE-CAMBRIAN		UNDIFFERENTIATED PALEOZOIC	PRE-CAMBRIAN
Upper Cambrian	*Middle Cambrian*	*Middle Cambrian or older*	*Lower (?) Cambrian or pre-Cambrian*			
€ul	€ml	€l	rb	tg	upl	up	pC
Limestone	Limestone	Limestone, shale, and argillite	Red beds	Tindir group (*Dolomite, limestone, quartzite, shale, and interbedded flows; also dikes and sills of greenstone*)	Limestones	Non calcareous rocks, including some igneous rocks	Birch Creek schist (*Quartzite and schist, associated igneous rocks are for convenience mapped with the Birch Creek schist*)

IGNEOUS ROCKS

TERTIARY	TERTIARY AND MESOZOIC	PALEOZOIC
Tr	gr	gs
Rhyolite and dacite flows, mainly rhyolite	Granite, diorite, and related rocks	Undifferentiated greenstone, in part ultra basic

Base from earlier surveys by Alaskan Branch and International Boundary Commission. Yukon River largely from boat traverse by Eliot Blackwelder, 1915.

GEOLOGIC RECONNAISSANCE MAP OF THE EAGLE-CIRCLE DISTRICT, ALASKA

5 0 5 10 15 Miles

5 0 5 10 15 20 Kilometers

1930

A. HOEN & CO., BALTIMORE, U. S. A.

Geology compiled from surveys by Alaska Branch and Canadian Geological Survey. Traverses by J. B. Mertie, Jr., in 1911, 1925, and 1928 and by Eliot Blackwelder, 1915.