



EXPLANATION

	Alluvial and glacial deposits	QUATERNARY
	Andesite and basalt Includes Wrangell Lava	TERTIARY
	Continental sedimentary rocks Includes Gakona Formation	
	Marine sedimentary rocks Includes the Tuzozi, Chitina, and Nahnok Formations of Jurassic age; the Khatina Conglomerate of Jurassic or Cretaceous age; and the Nahnok Limestone and the Matanuska and Kenai Formations of Cretaceous age	JURASSIC CRETACEOUS
	Volcanic and sedimentary rocks Predominantly marine tuffs, lava flows, and sedimentary rocks of Early Jurassic age; queried where doubtful	JURASSIC
	Marine sedimentary rocks Includes the Chitina and Nahnok Limestones, the McCarthy Shale, and the Khatina Formation, all of Late Triassic age	TRIASSIC
	Basalt and andesite Includes Nikolai Greenstone	PERMIAN TRIASSIC
	Tuffs and lava flows	
	Plutonic intrusive rocks, undivided Queried where doubtful	CARBONIFEROUS EUPLEISTOCENE
	Sedimentary and volcanic rocks Cs, metamorphosed sedimentary and some volcanic rocks; include the Sitka and Chitina Formations, the Dadeau Schist, and the Klutina Group. Queried where doubtful Cv, metamorphosed volcanic and some sedimentary rocks; include Tertiary Volcanics and metamorphosed glacial to mafic plutonic intrusive rocks. Queried where doubtful	CARBONIFEROUS AND OLDER(?) CRETACEOUS
	Isolated bedrock hills, lithology unknown	
	Contact	
	Fault Dashed where inferred	
	Gravity station	
	Gravity contour Dashed where data are incomplete Contour interval 5 mgal	

SOURCES OF DATA USED IN COMPILING THE GEOLOGIC MAP

PUBLICATIONS
 Chapin, Theodore (1918, pl. 2)
 Grant, Arthur (1933, fig. 3, 1969)
 Mendenhall, W. C. (1906, pl. 4)
 Moffit, F. H. (1912, pl. 2; 1938a, pl. 2; 1938b, pl. 1; 1954, pl. 7)

UNPUBLISHED DATA
 Some unpublished field observations by the following members of the U.S. Geological Survey have also been incorporated in the compilation. Florence R. Collins and Florence R. Weber contributed data from along Richardson Highway. John R. Williams, Donald R. Nislock, and Darwin L. Roseman, from southeastern part of the map area; and Arthur Grant, from the southern and western parts of the map area.

SCALE 1:250,000

0 5 10 15 20 MILES

0 5 10 15 20 KILOMETERS

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

SIMPLE BOUGUER GRAVITY ANOMALY AND GENERALIZED GEOLOGIC MAP OF THE COPPER RIVER BASIN AREA, ALASKA

Gravity survey by D. F. Barnes and others, 1958-60