



EXPLANATION

UNCONSOLIDATED DEPOSITS

Qa
Valley alluvium
Silt, organic silt, sand, and gravel on valley bottoms and low terraces. Frozen in places

Qac
Colluvium and alluvium
Mixtures of rubble, talus, loess, colluvium, and alluvium

Qt
High-level terrace deposits
Mostly gravel and sand with local silty beds. Gravel mostly fairly well sorted, but poorly stratified

EXTRUSIVE IGNEOUS ROCKS

Tb
Basalt
Dark-gray and greenish-black fine- to coarse-grained olivine basalt. Vesicular and amygdaloidal in places

SEDIMENTARY ROCKS

Tbc
Detrital rocks of Baby Creek
Coarse conglomerate, poorly stratified, with minor amount of interbedded sandstone

Ts
Detrital rocks of the Chicken area
Sandstone, tuffaceous sandstone, ferruginous sandstone, siltstone, shale, tuffaceous shale, carbonaceous shale, lignitic coal, and conglomerate. Contains pollen, poorly preserved leaves, and other plant fragments in places

Mg
Granitic rocks (small intrusions)
Primarily monzonite and granodiorite, but include some granite, quartz diorite, and diorite

Jrg
Granodiorite of the Taylor Mountain batholith
Medium- to coarse-grained granodiorite of Taylor Mountain batholith. Locally includes quartz monzonite and quartz diorite and some diorite. Patterned area is complex marginal zone where granitic rocks have incorporated much country rock; dikes are abundant; includes small area of hornfelsed country rock which is cut by many dikes and locally brecciated

NpPu
Ultramafic rocks
Gray, greenish-gray, and pinkish-gray serpentinized rock. Locally somewhat fibrous

METAMORPHIC ROCKS

Pm
Metamorphic rocks of the Chicken area
Massive to slightly foliated greenstone, gray, white, and pink marble, chert, quartzite, dolomite, phyllite, and graywacke

RppCs
Quartz-graphite schist unit
Dark-gray quartz-graphite schist, gray quartzite, light-tan and gray quartz-muscovite and quartz-sericite schists, dark-gray phyllite, and cataclastic gneiss

RppCs
Gneiss and schist unit
Quartz-biotite gneiss, quartz-mica schist, amphibolite, hornblende gneiss, quartzite, and marble. Some rocks highly garnetiferous

Contact, approximately located	Outcrop of dolomite	Fault gouge
Fault, queried where doubtful	Outcrop or rubble of quartzite	
Fault or lineament from aerial photographs	Pegmatite dikes or sills	Greenstone, massive and slightly foliated
Inclined Strike and dip of beds	Aplite dikes	Abundant specks of pyrite and (or) other sulfides
Inclined Strike and dip of foliation	Granitic dikes or sills	Fossil locality, including paleobotany localities
Direction and plunge of axis of tight minor fold	Mafic dikes, mostly basaltic	Milepost
Inclined Strike and dip of foliation	Ultramafic dikes or sills	Measured from Tellis Junction to Eagle and from Canadian border to Eagle Junction
Terrace scarp	Breccia	Location of specimen used in point counts
Outcrop of garnetiferous rock	Chert	Approximate location of radiometric age date sample
Outcrop of marble	Augen gneiss	

RECONNAISSANCE GEOLOGIC MAP OF THE EAGLE A-1 AND A-2 QUADRANGLES, ALASKA