Pleistocene and Recent

(3)

Triassic

Upper

Quaternary

Triassic

Ordovician

Relative

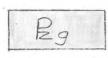
Paleozoic

- kd

Diabase

Unmetamorphosed, fine- to medium-grained, dark gray to black; occurs as dikes

CAROLINA SLATE BELT



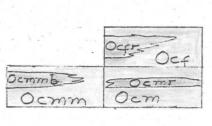
Metagabbro

Foliated, fine- to medium- grained, greenblack; weathers to gray-green and brownyellow; mainly chlorite-epidote-plagioclase-tremolite; commonly in low, rounded ridges or rounded brown-yellow boulders

## Millingport Formation

Omf, Floyd Church Member. Light gray to medium dark gray siltstone and argillite; weathers to shades of dusky yellow, gray, olive, and brown; beds commonly 3-18 inches thick; fine laminae in places

Omft, interbeds of rhyolitic to dacitic tuff, crystal lapilli tuff, and crystal-lithic lapilli tuff





(3)

Lower Paleozoic

Lower Paleozoic

Cid Formation

Ocf. Flat Swamp Member. Generally finegrained to aphanitic, gray to blue-gray; weathers to light gray, yellow-gray, pink, cream, and chalky-white; massive and blocky to thin bedded with fine laminae in places; contains interbeds of volcaniclastic argillite and siltstone, thin andesitic to basaltic tuff and flows, and related volcaniclastic rocks

Ocfr, rhyolitic to dacitic crystal lapilli tuff and crystal-lithic lapilli tuff

Ocm, Mudstone member. Fine-grained, gray to blue-gray argillite and siltstone; weathers to olive-gray, green-gray; massive to thin-bedded with fine, persistent laminae in places; contains interbeds of rhyolitic to dacitic tuff, crystal lapilli tuff, and crystal-lithic lapilli tuff

Ocmr, rhyolitic to dacitic crystal lapilli tuff

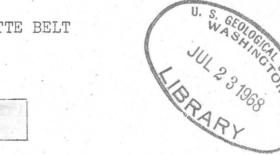
Ocmm, mainly slate, phyllite, and schist within Gold Hill-Silver Hill shear zone; finegrained, closely cleaved, gray, white, pale green, tan, pink, lavender quartz-sericitic muscovite-plagioclase slate, phyllite and

schist with interbeds and lenses of finegrained, green to greenish-gray chloriteplagioclase-epidote schist derived from basic volcanic rocks; interbeds and lenses of foliated, light-colored rhyolitic to dacitic tuff, crystal lapilli tuff, and and crystal-lithic lapilli tuff; in places, lithic fragments and crystals elongated parallel to foliation

Ocmmb, fine-grained, foliated, green to greenish-gray; derived from andesitic to basaltic tuff, tuff breccia and flows; in places, lithic fragments elongated parallel to foliation

CHARLOTTE BELT

Pem



Quartz monzonite

Medium-grained, gray, foliated and, in places schistose granitic rock; outcrops rare; mapped on distinctive sandy soil; cut by numerous fine- to medium-grained, foliated, and, in places, schistose, dark colored, intermediate to basic dikes

Pzgd

Meta-diorite-gabbro complex

Fine- to coarse-grained, generally massive, medium to dark greenish-gray; outcrops rare; contains irregualr, light-colored granitic bodies; cut by numerous fine- to medium-grained, foliated, and, in places, schistose dark colored, intermediate to basic dikes

PZb

Metabasalt flows, tuff, and tuff breccia

Mainly fine-grained, schistose to massive, dark gray-green; largely chlorite-epidote-plagioclaseamphibole; some quartz-sericitic muscovite schist and phyllite, and foliated meta-felsic tuff; cut by schistose leucogranitic rocks, intermediate to basic dikes, and quartz-epidote veins; possible equivalent of Cid Formation

Pzu

Undifferentiated metamorphic rocks

Outcrops and float rare; mainly soil-clay loam, sandy loam, and clay probably derived from quartz-sericitic muscovite schist and phyllite; and chlorite-epidote-plagioclase schist; intimately associated with foliated, metaigneous rock including coarse-grained leuco-granitic rocks, diorite, and gabbro; cut by a complex of intermediate to basic dikes and quartz-epidote veins; possible equivalent of Cid Formation

Contact

Dashed where approximately located; dotted where

Fault, approximately located U, upthrown side; D, downthrown side

Anticline

Showing direction of plunge and crest line, approximately located

PLANAR AND LINEAR FEATURES (symbols joined at point of observation)

10 inclined

vertical

Strike and dip of beds

70 inclined

vertical

Strike and dip of foliation

Strike and dip of cleavage

inclined vertical

Intersection of bedding and cleavage and plunge of resulting lineation

M 4 Clay pit

Clay used for brick manufacture

Quarry

Crushed rock for road metal, aggregate and in manufacture of lightweight aggregate

Inactive gold mines

Gold Hill Copper Company

1. Randolph shaft

Center shaft South shaft

4. Miller shaft 5. Barnhardt shaft

Southern Copper Company Old Field

8. Honeycutt

9. Union Copper Company 10. Dutch Creek 11. Gold Knob

60011

Shaft

Prospect pit

Q ----Quartz vein

3 1818 00260226 4

M(200)

5 feet

2 of 2

R290 no. 68- 264