GREENVILLE QUADRANGLE

- EXPLANATION -

BLUE RIDGE ROCK UNITS

~ STRATIFIED UNITS ~
(correlation between east and west parts is uncertain)

Western Part
(some age relations uncertain)

Cambrian

Ꞓnt
Nantahala Slate

pꞒgss
pꞒgs
pꞒgsm
Great Smoky Group
pꞒgs, Great Smoky Group, undivided
pꞒgss, Sericite Schist
pꞒgsm, Aluminous

Precambrian

pꞒge
Biotite Gneiss and Metagraywacke

pꞒgca
Amphibolite

pꞒgcg
Biotite Schist and Gneiss with Aluminous Schist

pꞒgwa
Metagraywacke, Mica Schist, Quartzite and Amphibolite

pꞒgms
Mica Schist

pꞒgas
Amphibolite, Graywacke, and Schist

pꞒgma
Mica Schist and Amphibolite

a
Amphibolite

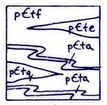
Eastern Part

Ꞓr
Ꞓcc
Ꞓp
Coweeta Group
Ꞓr, Ridgepole Mountain Formation
Ꞓcc, Coleman River Formation
Ꞓp, Persimmon Creek Formation

qv
Quartzite

pꞒgs
Great Smokey Group, undivided

mi
Migmatite



pꞒtf
pꞒte
pꞒta
pꞒtq
pꞒta
Tallulah Falls Formation
pꞒtf, Tallulah Falls Formation, undivided
pꞒte, Epidote Bearing Quartzite
pꞒtq, Quartzite
pꞒta, Aluminous Schists

ql
Quartzite

bgsa
Biotite Gneiss, Mica Schist and Amphibolite

pꞒw
Wiley Gneiss

pꞒtx
Toxaway Gneiss

~ PLUTONIC ROCKS ~
(age relations uncertain)

d
Mesozoic Diabase

r
Rabun Gneiss

m
Mafic Bodies (Amphibolite-Gabbro)

wc
Wolf Creek Granite, Granite Gneiss

ggl
Undivided Granitic Gneiss

BREVARD ZONE and ASSOCIATED METAMORPHIC ROCK UNITS

~ STRATIFIED UNITS ~
(age relations uncertain)

bz
Undivided Phyllites, Schist, Bio-Gneiss, and Amphibolite

hn
Henderson Gneiss

bms
Button Mica Schist

fam
Amphibolite

ams
Undivided Schist and Amphibolite

bgn
Biotite Gneiss

qg
Quartzite and Gneiss

ssa
Sericite Schist and Amphibolite

msqa
Mixed Schist, Quartzite, and Amphibolite

INNER PIEDMONT ROCK UNITS

~ STRATIFIED UNITS ~
(age relations unknown)

mgm
migmatite

pgs
Paragneiss and Schist

hhg
Hornblende Gneiss

mps
Biotite Schist

ss
Sillimanite Schist

q
Quartzite

mgr-ms
Mixed Gneiss, Schist, and Granite

a
Amphibolite

mas
Aluminous Schist

bpg
Biotite Plagioclase Gneiss

bg
Undivided Biotite Gneiss and Schist

ggna
Undivided Amphibolite and Granite Gneiss

hgn
Amphibolite and Amphibolite Gneiss

hg
Hornblende Gneiss

bghg
Mixed Biotite, Hornblende and Granitoid

bm
Button Schist

bgn / bga
Biotite Gneiss and Amphibolite

bgmsa
Undivided Biotite Gneiss, Schist, and Amphibolite

~ PLUTONIC ROCKS ~
(age relations unknown)

gre
Equigranular Biotite Gneiss

bgd
Biotite Hornblende Granodiorite

cqm
Caesars Head Quartz Monzonite

gr
Undivided Granite

gb
Gabbro

grp
Porphyritic Granite

ggn
Undivided Granite Gneiss

grc
Course Grained Granite

bggn
Biotite Granodiorite Gneiss

ogs
Gabbro and Ultramafics

grb
Biotite Granite Gneiss

LOWNDESVILLE and CHARLOTTE BELT ROCK UNITS

~ STRATIFIED UNITS ~
(age relations uncertain)

qs
Quartzite and Sericite Schist

mgs
Mixed Granitoid, Biotite Schist, and Amphibolite

bgs
Biotite Gneiss and Schist

Ꞓpv
Mixed Sericite Schist, Siliceous to Intermediate Volcanic Tuffs, and Lavas

a
Amphibolite

~ PLUTONIC ROCKS ~
(age relations unknown)

gb
Gabbro with Amphibolite

p
Pyroxenite

gbd
Mixed Gabbro and Diorite

gr
Equigranular Granitic Gneiss

grv
Granitoid with Felsic Volcanics

grcp
Course Porphyritic Granite

Contact

Thrust Fault
querried where uncertain, teeth on upper plate

Fault

Shear Zone

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