

EXPLANATION

Rock Symbols

Sedimentary Rocks

grw	graywacke
mdst	slightly metamorphosed mudstone
sed	undifferentiated slightly metamorphosed mudstone, siltstone, and sandstone
slts	siltstone

Volcanic Rocks (slightly metamorphosed)

fv	felsic volcanics
ft	felsic tuff
iv	intermediate volcanics
it	intermediate tuff
mv	mafic volcanics
mt	mafic tuff
kr	keratophyre

Plutonic Rocks

di	diorite
db	diabase
gb	gabbro
gr	granite
gd	granodiorite
qmz	quartz monzonite

Metamorphic Rocks

mgw	metagraywacke
mms	metamudstone
mslt	metasiltstone
mss	metasandstone
msd	metasedimentary rocks
ph	phyllite
sph	sericite phyllite
bs	biotite schist
gms	garnet mica schist
2ms	two-mica schist
ms	muscovite schist
bg	biotite gneiss
fg	felsic gneiss
hbg	hornblende-biotite gneiss
am	amphibolite
mgb	metagabbro
mgr	metagranite
mto	metatonalite
mtr	metatrandjemite
hlfs	hornfels
um	ultramafic rocks

Modifying terms

sl	slaty
phy	phyllitic
volc	volcaniclastic
sch	schistose

Geologic Symbols

- BL-T-1-81 Well location and code
- CU-T-2-76* Well in which diabase was penetrated – no data available to permit mapping of the diabase body
- Inferred contact of lithologic unit – dashed where magnetic anomaly data are equivocal or missing; queried where extension is unknown; form lines where lithologies are not labeled
- ⇌ Fault compiled from literature sources – arrows indicate direction of relative displacement
- ⇌ Inferred fault – arrows show direction of inferred relative displacement
- ▲▲ Inferred thrust fault – saw teeth are on upper plate
- db Diabase dike (Jurassic) – those shown in areas of exposed crystalline and Triassic sedimentary rocks compiled from literature sources; others are interpreted from aeromagnetic data
- Areas of exposed crystalline rocks
- Areas of exposed Triassic sedimentary rocks
- 200 Structure contour on basement surface in feet relative to mean sea level – the contour interval varies as follows:
 - From +200 feet to -1000 feet — 200-foot contour interval
 - From -1,000 feet to -2,000 feet — 500-foot contour interval
 - From -2,000 feet to -10,000 feet — 1,000-foot contour interval

Source: Lawrence and Hoffman (1993)

Progress Energy Carolinas

Shearon Harris Nuclear Power Plant Units 2 and 3 Part 2, Final Safety Analysis Report

New Hill, North Carolina

Map Showing the Location of Tectonic and
Postulated Tectonic Features Relative to
Basement Structures
FIGURE 2.5.1-254 (SHEET 2 of 2)_{Rev. 1}