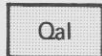
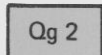


EXPLANATION

SEDIMENTARY ROCKS



Alluvium
Stream deposits



Terrace gravel deposits
Unconsolidated clay, sand, and gravel



High-level surficial deposits
Unconsolidated white sand and light-brown clay, patches of coarse grained, brown sand with brown and purple quartzite cobbles



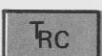
Tuscaloosa formation
Tan, red and gray, arkosic sands and interbedded, lenticular clays. The western border of this unit consists of sands and clays of uncertain age



Sanford formation; fanglomerate
Fragments of metamorphic rocks and blocks of granite, embedded in and interbedded with red claystone, siltstone, and sandstone



Sanford formation
Red, purple, and gray claystone, shale, siltstone, sandstone, and conglomerate



Cummock formation
Gray and black claystone, shale, and siltstone; gray sandstone and conglomerate. Contains beds of coal and carbonaceous shale in lower part. Grades laterally into red beds of Pekin and Sanford formations.



Pekin formation
Red, purple, and gray claystone, shale, siltstone, sandstone and conglomerate

IGNEOUS ROCKS



Diabase Intrusive Dikes



Granite
Light-gray, stock-like intrusives

METAMORPHIC ROCKS



Slate, schist, and gneiss
Undifferentiated, metamorphosed sedimentary and igneous rocks; including conglomerate, quartzite, slate, rhyolite, andesite, diorite rhyolitic and dacitic tuffs and flows, acidic and basic volcanic breccias, quartz-feldspar-mica schist, and pyrophyllite schist

Strike and dip of beds

Faults

Dikes from Ballard and Reinemund. Reference Drawing 2(B)(C) Geology

Dikes in Plant Area. Reference Drawing 2(A) Geology



TRIASSIC (?)

CARBONIFEROUS (?)

PRE-TRIASSIC

Magnetic Contour intervals 20 and 100 gammas

NOTES:

1. Magnetic data from North Carolina Department of Natural and Economic Resources and the Wake County Board of Commissioners. Survey flown by Airmag Surveys Inc. at 500 feet ground clearance in 1973. Compiled by Gx Geophysical Exploration Corp.

2. Base map is Plate 1 of this report. "Generalized Geologic Plan Site Area"

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|----------------------------------------------------------------------|--|--------------|--|
| CAROLINA POWER & LIGHT COMPANY SHEARON HARRIS NUCLEAR POWER PLANT | | | |
| AEROMAGNETIC CONTOURS ON GEOLOGY BASE MAP | | | |
| EBASCO SERVICES INCORPORATED | | | |
| APPROVED <i>Tilford</i> | | DATE 1/21/75 | |
| DIV. DR. R. Shortinski | | 2167 - 913 | |
| CH. Johnson | | PLATE 14 | |