EXPLANATION

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## 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 pryophyllite schist

## NOTES:

1. 2.

PRE-

Explanation modified from Reinemund and N. C. State Geologic Map.

- Geology done by others as shown on this drawing has been modified by this fault investigation in the following errors:
- (a) The fault through the plant area has been located by trenching.
- (b) Dikes in the plant area, and the dike at the Jonesboro fault in the Southwest corner of the map have been replotted based on magnetometer surveys
- on magnetometer surveys.
  (c) An area of High-level surficial deposits (Ts) overlying the fault was mapped where discovered by trenching west of the plant site.

## $\mathcal{K}^{200}$ 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

## REFERENCE DRAWING

1. Base - General Plan Reservoir Area CAR 2167G6020 2. Geology.

- A. Detailed geologic exploration for Carolina Power & Light in immediate area at plant.
- B. Geologic map of Merry Oaks Section of the Durham Triassic Basin 1:62,500
- C. Geologic map of the Deep River Coal Field, Chatham, Lee, and Moore Counties, North Carolina 1:31,250
- D. Geologic map of North Carolina 1:500,000

CAROLINA POWER & LIGHT COMPANY SHEARON HARRIS NUCLEAR POWER PLANT		
GENERALIZED GEOLOGIC PLAN SITE AREA		
EBASCO SERVICES INCORPORATED		
	APPROVED	DATE 1/21/75
DIV DR R.Sherfinskí	Stuckey	2167 - 900
CH Johnson	0	PLATE 1

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