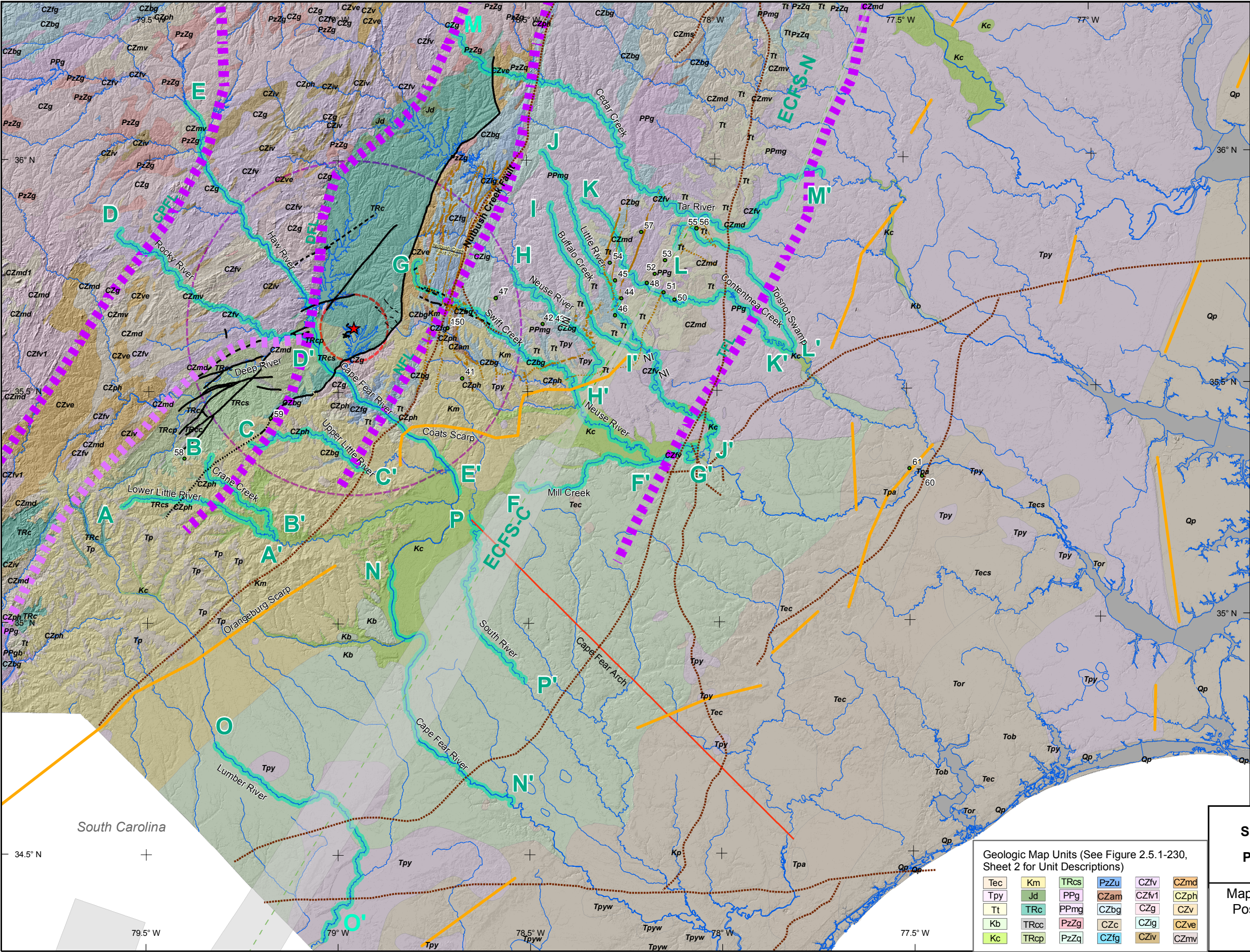




LEGEND

★ HAR Site

● City or Town

--- 8-km (5-mi.) Radius from HAR Site

--- 40-km (25-mi.) Radius from HAR Site

A Stream Channel Section Location

Major Drainage (NCCGIA, 2002)

Paleozoic Faults

Mesozoic Faults (dashed where inferred, dotted where concealed) (Ebasco, 1975, CP&L, 1983, NCGS, 1985, Wooten et al., 1996, Harding Lawson, 1997, NCGS, 2006, and this study)

Paleozoic Folds (dashed where inferred)

Mesozoic Folds (dashed where inferred) (NCGS, 2006)

49 Faults (numbers refer to descriptions in Table 2.5.1-201; from Parker, 1979, and Prowell, 1983)

Postulated Fall Lines (Weems, 1998)

Extension of Postulated Durham Fall Line (Weems, 2006)

CPFL - Central Piedmont Fall Line

DFL - Durham Fall Line

NFL - Nutbush Fall Line

TFL - Tidewater Fall Line

Postulated East Coast Fault System (ECFS) (Marple and Talwani, 2000)

C - Central Segment

N - Northern Segment

S - Southern Segment

Cape Fear Arch (Marple and Talwani, 2000)

Basement Faults (Lawrence and Hoffman, 1993)

Scarps (Soller and Mills, 1991)

Grid is in the North Carolina NAD 83 State Plane Coordinate System (in feet)

Base Map: Shaded Relief Map from LIDAR (NC DOT, 2005)

Note N1: This fault included in NCGS (2006) unpublished mapping appears to represent variations in metamorphic grade adjacent to the pluton rather than a fault contact.

0 5 10 20 30 Kilometers

0 5 10 20 Miles

Geologic Map Units (See Figure 2.5.1-230, Sheet 2 for Unit Descriptions)

Tec	Km	TRcs	PzZu	CZfv	CZmd
Tpy	Jd	PPg	CZam	CZv1	CZph
Tt	TRc	PPmg	CZbg	CZg	CZv
Kb	TRcc	PzZg	CZc	CZig	CZve
Kc	TRcp	PzZq	CZfg	CZiv	CZmv

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 Longitudinal Stream Profiles

FIGURE 2.5.1-219

Rev. 1