



**LEGEND**

- ★ HAR Site
- City or Town
- 8-km (5-mi.) Radius from HAR Site
- 40-km (25-mi.) Radius from HAR Site
- A-A' Stream Channel Section Location
- Major Drainage (NCCGIA, 2002)
- 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)
- 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)
  - 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)

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

Tec	Km	TRcs	PzZu	CZfv	CZmd
Tpy	Jd	PPmg	CZam	CZfv1	CZph
Tt	TRc	PPmg	CZbg	CZg	CZv
Kb	TRcc	PzZg	CZc	CZig	CZve
Kc	TRcp	PzZq	CZfg	CZiv	CZmv

Note N1: This fault included in NCGS (2006) unpublished mapping appears to represent variations in metamorphic grade adjacent to the pluton rather than a fault contact.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

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**

Grid is in the North Carolina NAD 83 State Plane Coordinate System (in feet)  
 Base Map: Shaded Relief Map from LIDAR (NC DOT, 2005)