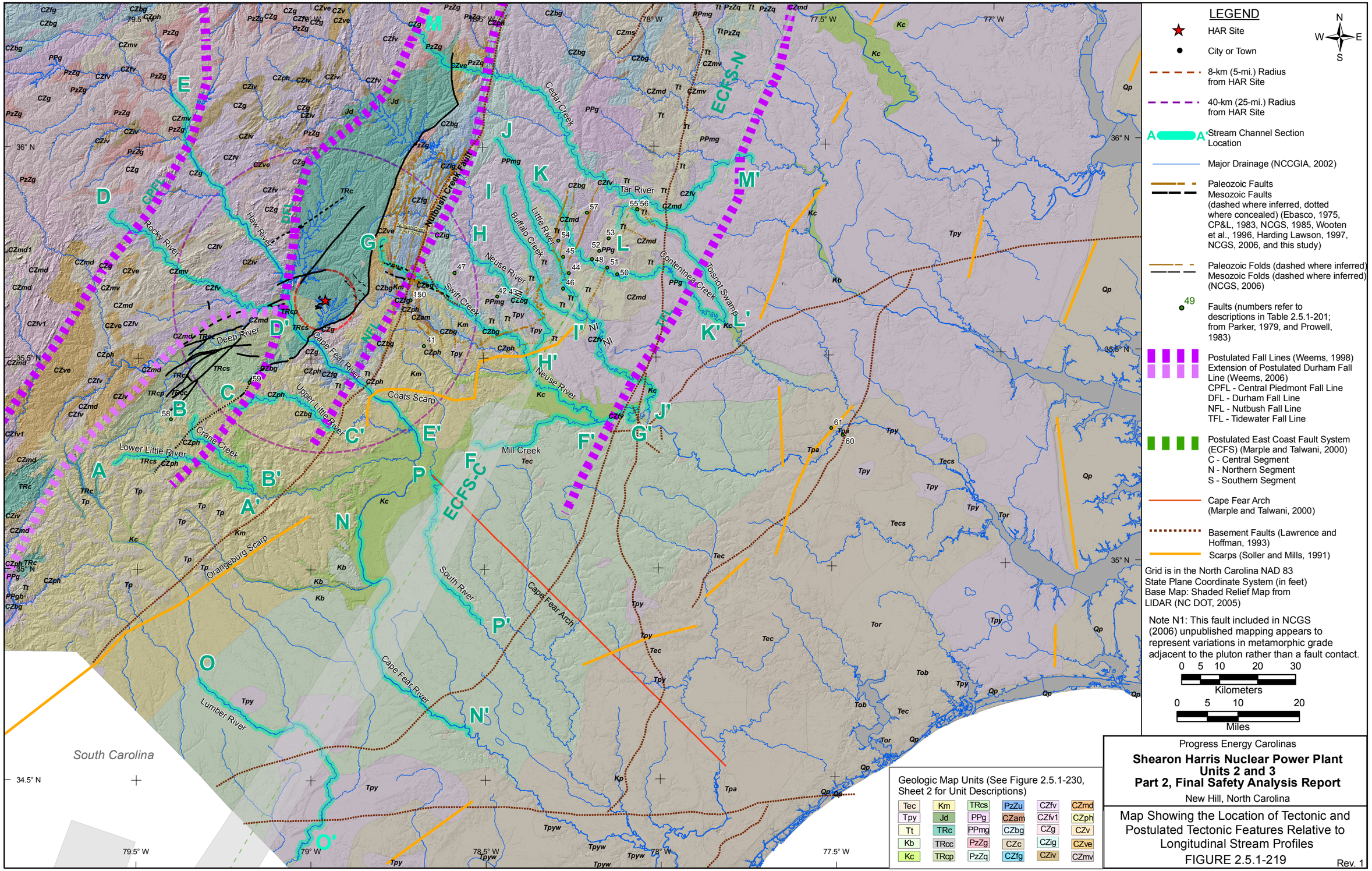
LEGEND
HAR Site
City or Town
8-km (5-mi.) Radius from HAR Site
40-km (25-mi.) Radius from HAR Site
Stream Channel Section Location
Major Drainage (NCCGIA, 2002)
Paleozoic Faults
Mesozoic Faults
(dashed where inferred, dotted where concealed) (Ebasco, 1975, CP&L, 1983, NCGS, 1985, Wooten et al., 1996, Harding Lawson, 1997, NCGS, 2006, and this study)
Paleozoic Folds (dashed where inferred)
Mesozoic Folds (dashed where inferred) (NCGS, 2006)
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Note N1: This fault included in NCGS (2006) unpublished mapping appears to represent variations in metamorphic grade adjacent to the pluton rather than a fault contact.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
N
W
E
S
Geologic Map Units (See Figure 2.5.1-230, Sheet 2 for Unit Descriptions)
Tec Km TRcs PzZu CZfv CZmd
Tpy Jd PPg CZam CZfv1 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
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