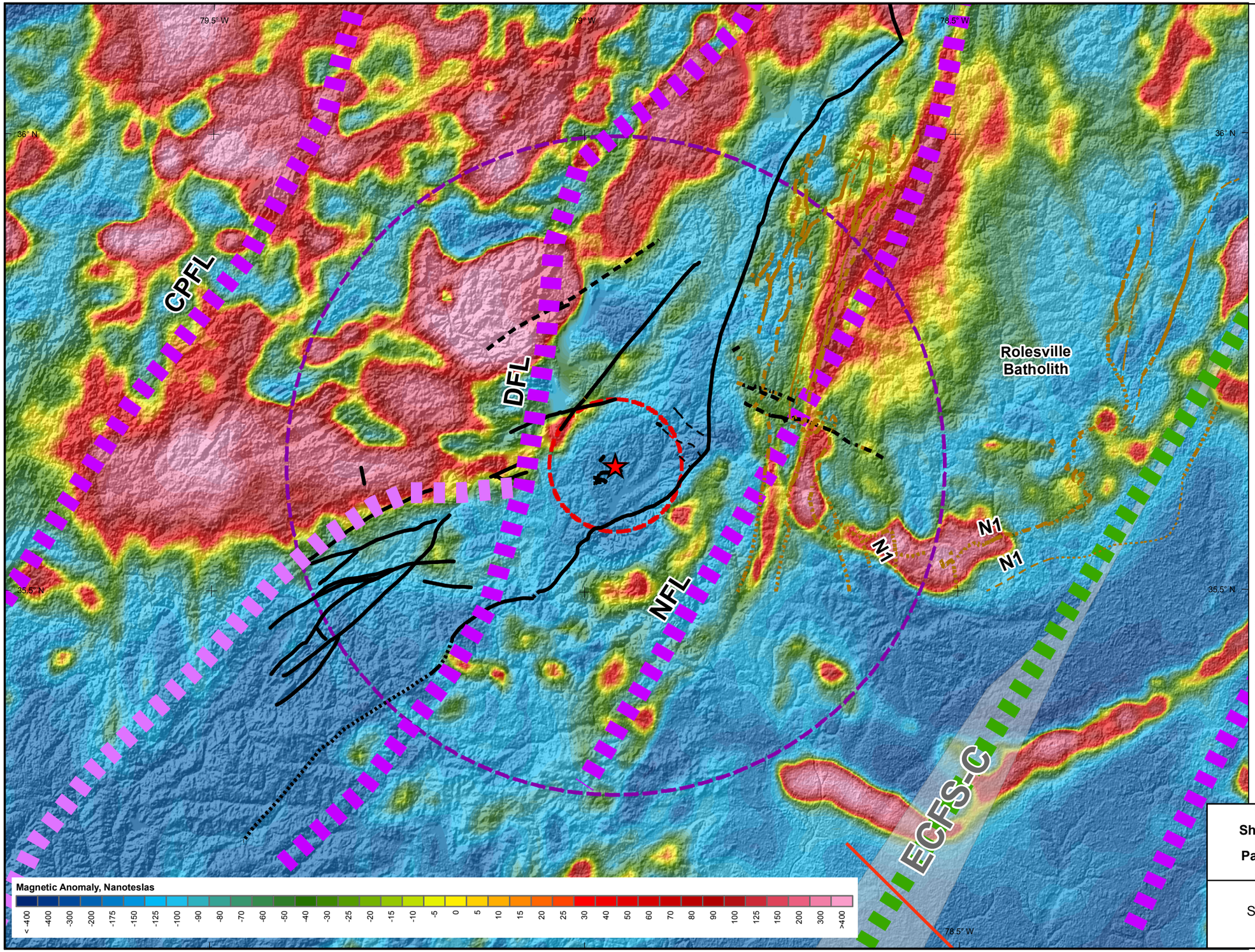

N
W E
S

LEGEND

- HAR Site
- 8-km (5-mi.) Radius from HAR Site
- 40-km (25-mi.) Radius from HAR Site
- Mesozoic Faults
- Paleozoic Faults
  (dashed where inferred, dotted where concealed)
  (Ebasco, 1975, CP&L, 1983, NCGS, 1985, Wooten et al., 1996, Harding Lawson, 1997, NCGS, 2006, and Technos, this study)
- Mesozoic Folds
- Paleozoic Folds
  (dashed where inferred)
  (NCGS, 2006)
- Postulated Fall Lines (Weems, 1998)
- Extension of Postulated Durham Fall Line (Weems [written communication], 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)

Base Map: Magnetic Anomaly (NAMAG, 2002) and SRTM30 (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Note N1: This fault included in NCGS (2006) unpublished mapping appears to represent variations in metamorphic grade adjacent to the pluton rather than a fault contact.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
Kilometers
0 2.5 5 10
Miles

Progress Energy Carolinas

Shearon Harris Nuclear Power Plant
Units 2 and 3
Part 2, Final Safety Analysis Report

New Hill, North Carolina

Site Vicinity Magnetic Anomaly Map

FIGURE 2.5.1-238

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