



**Pacific Northwest**  
NATIONAL LABORATORY

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Tel: (509) 371-7186  
Fax: (509) 371-7160  
[James.becker@pnl.gov](mailto:James.becker@pnl.gov)

May 25, 2011

Ms. Julie Holling  
South Carolina Department of Natural Resources  
Heritage Trust Program  
P.O. Box 167  
Columbia, SC 29202

Dear Ms. Holling:

**SUBJECT: REQUEST FOR FEDERALLY LISTED SPECIES, STATE RANKED SPECIES, AND COMMUNITY ELEMENT OCCURRENCES FOR THE ENVIRONMENTAL REVIEW OF THE WILLIAM STATES LEE NUCLEAR STATION III UNITS 1 AND 2 COMBINED LICENSE APPLICATION**

Pacific Northwest National Laboratory (PNNL) has been contracted by the U.S. Nuclear Regulatory Commission (NRC) to assist in its review of an application submitted by Duke Energy Carolinas, LLC (Duke) for a combined license (COL) for the construction and operation of two new commercial nuclear power reactors at the William States Lee III Nuclear Station (Lee) site, located near Gaffney, Cherokee County, South Carolina. The Lee site is situated in the eastern portion of Cherokee County, approximately 7.5 miles southeast of Gaffney, on the west side of the Broad River, just upstream from the Ninety-Nine Islands Hydroelectric Plant (Figure 1).

The review also includes two alternative locations in South Carolina, the Keowee site and the Middleton Shoals site. The Keowee site is located in the eastern portion of Oconee County just west of Lake Keowee, about one mile south of Oconee Nuclear Station (Figure 2). The Middleton Shoals site is located in the southwestern portion of Anderson County (Figure 3), about one-half mile north of where State Highway 184 (Anderson-Elberton Highway) crosses the Savannah River (Anderson-Elberton Free Bridge or Sanders Ferry Bridge).

The review of Duke's application includes an evaluation of potential impacts to important species and habitats. To support preparation of the Environmental Impact Statement, PNNL requests element occurrence information for Federally threatened or endangered, proposed, and candidate species; species ranked by the State of South Carolina as critically imperiled (S1), imperiled (S2), or rare (S3); and community

element occurrences. Please provide a listing of all such occurrences within the following distances of the sites:

- Lee site – 4-mile radius and 15-mile radius;
- Keowee site – 3-mile radius and 15-mile radius; and
- Middleton Shoals site – 5-mile radius and 15-mile radius.

Coordinates are provided in NAD 83 (17 degrees north) for the center points of each of the sites in the below table.

Site	X	Y
Lee	453320.707661	3877258.247130
Keowee	326933.928000	3850322.759700
Middleton Shoals	340100.471400	3792709.893100

Please return correspondence to me at the address below at your earliest convenience. If further clarifying information is needed, please contact me at (509) 371-7186 or at [james.becker@pnl.gov](mailto:james.becker@pnl.gov). Your assistance is greatly appreciated.

Sincerely,



James M. Becker  
Ecology Group  
Pacific Northwest National Laboratory  
P.O. Box 999, MSIN K6-85  
Richland, WA, 99352



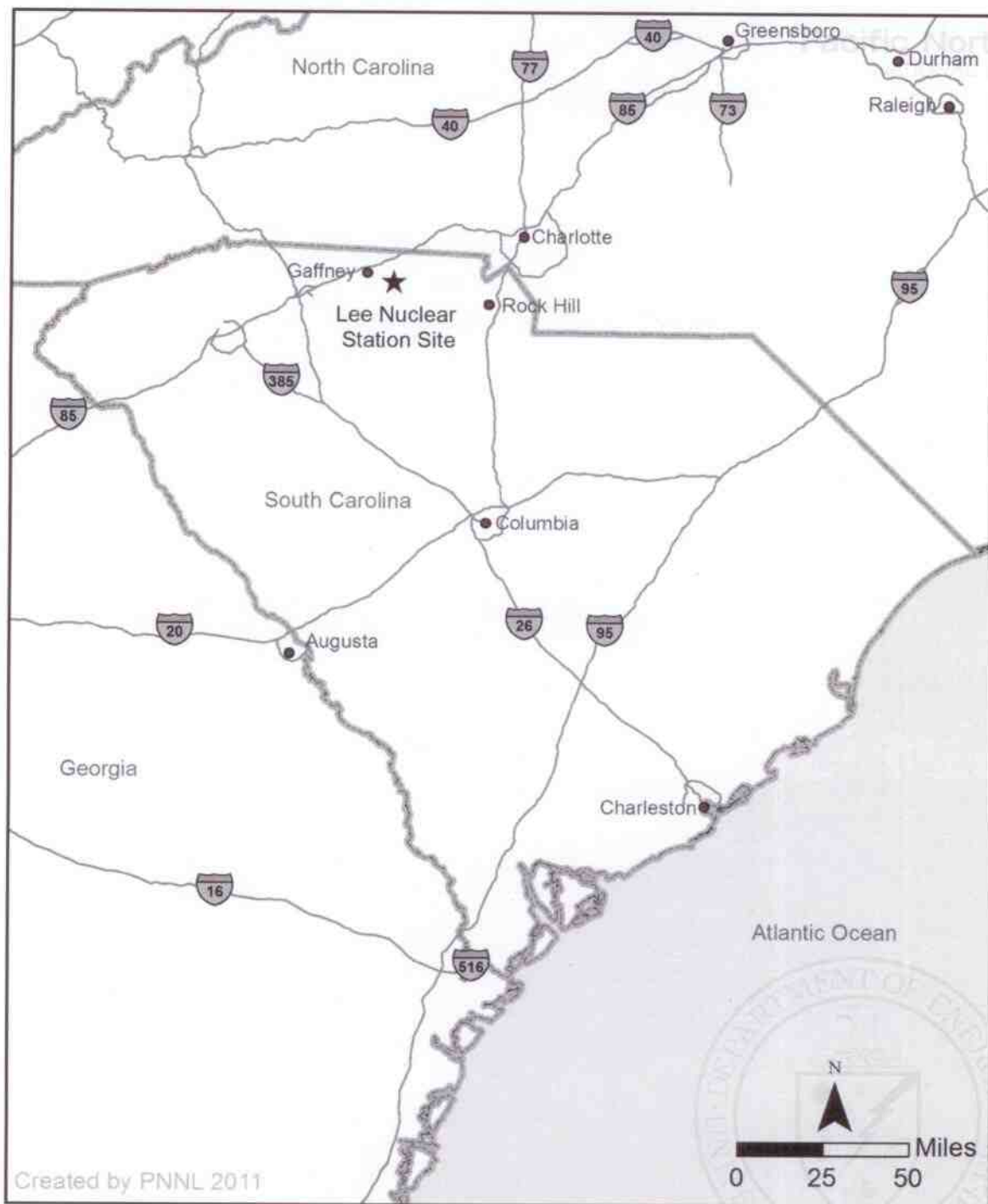


Figure 1. Lee Nuclear Station proposed site location.

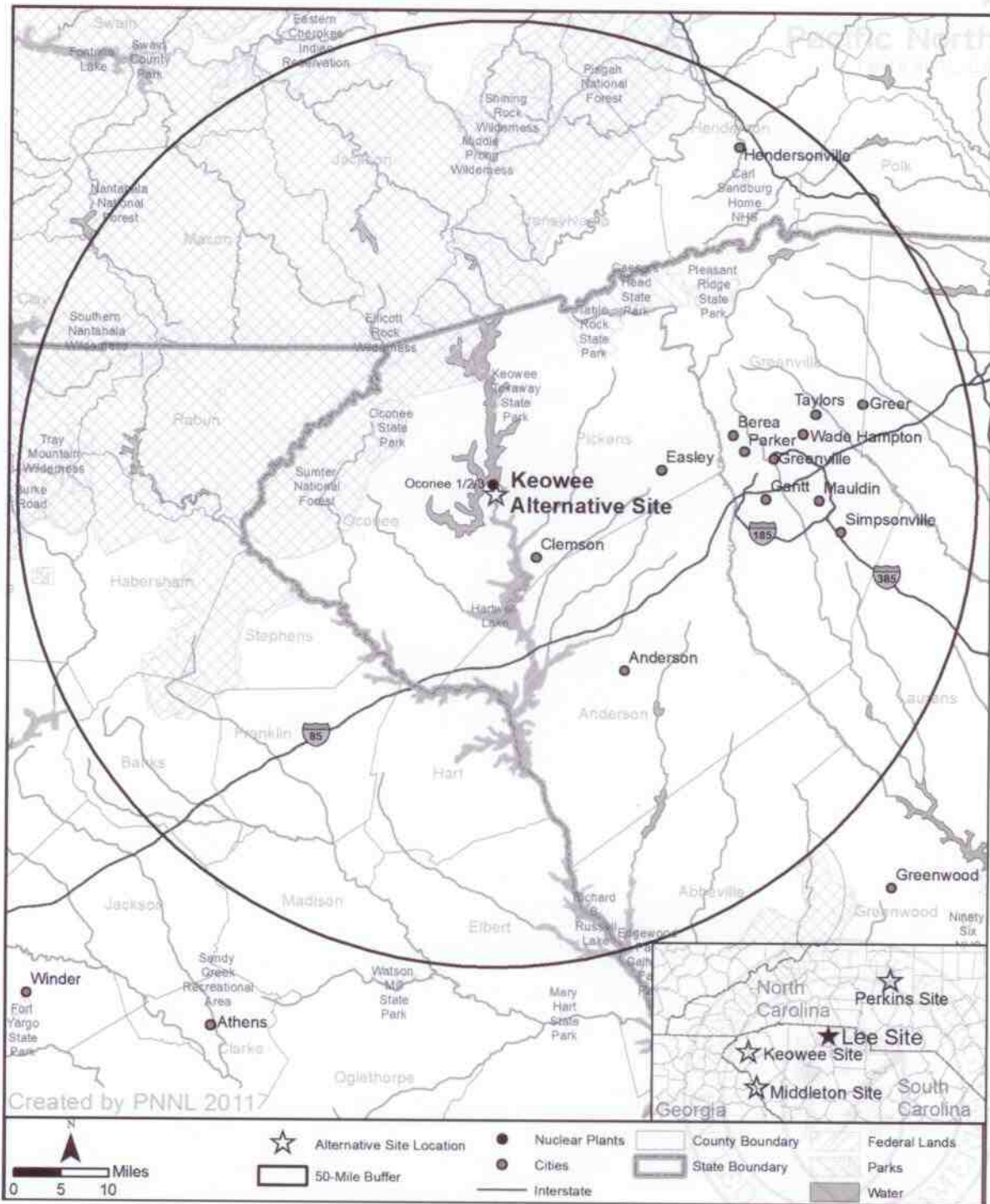


Figure 2. Keowee alternative site location.

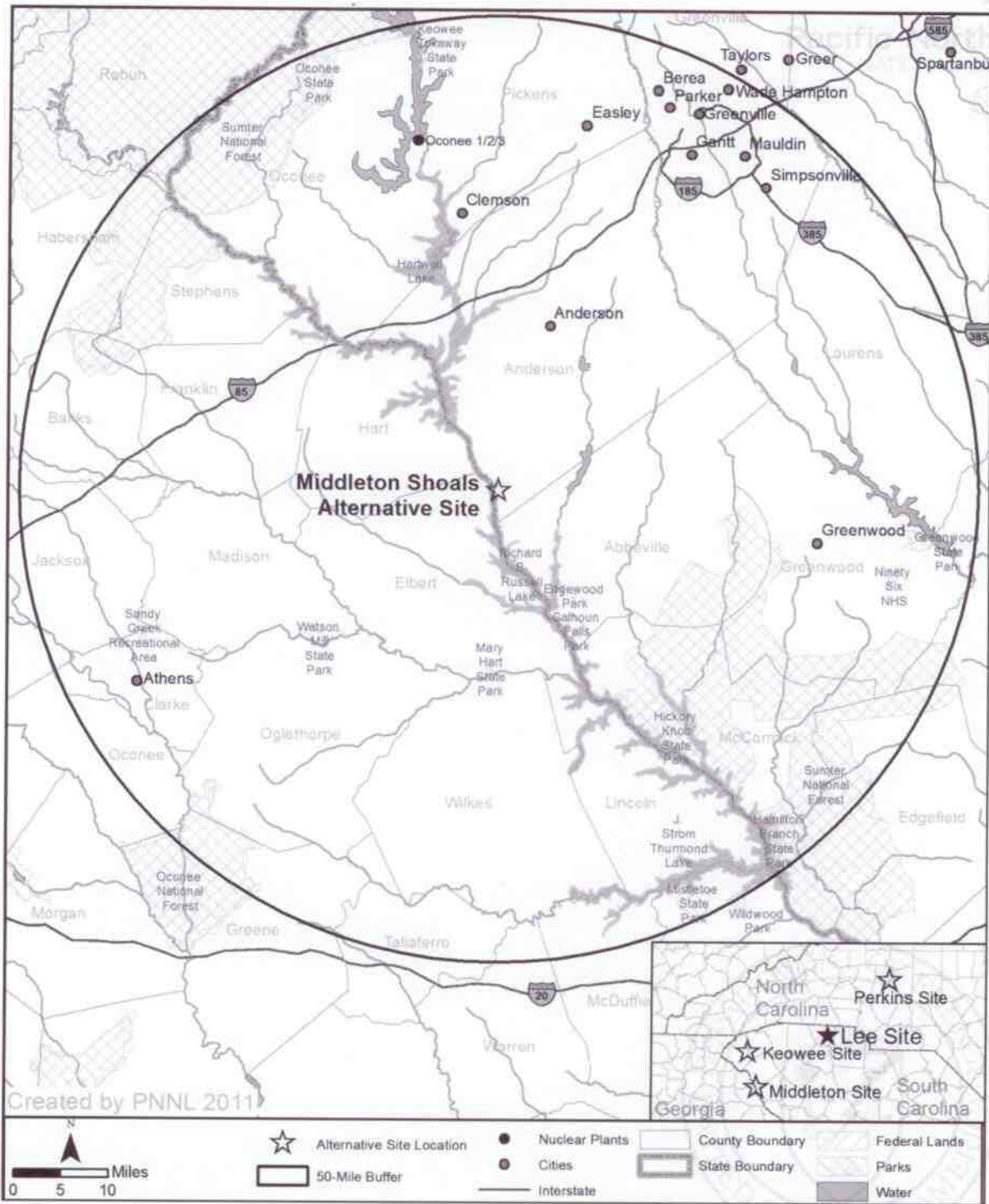


Figure 3. Middleton Shoals alternative site location.