# APPENDIX A

# CONSULTATION LETTERS AND RESPONSES

# U.S. FISH AND WILDLIFE SERVICE

Florida Power & Light Company, P.O. Box 14000, Juno Beach, FL 33408-0420
Environmental Services Department

FPL

FLFW-08-0287

December 21, 2008

Mr. John Wrublik
U.S. Fish and Wildlife Service
South Florida Field Office
1339 20th Street
Vero Beach, FL 32960

SUBJECT: Request for Information on Federal Listed Species in Miami-Dade County, Florida

Dear Mr. Wrublik:

Florida Power & Light Company (FPL) is preparing permit and license applications to the U.S. Nuclear Regulatory Commission (NRC), the Florida Department of Environmental Protection (FDEP) and the United States Army Corps of Engineers (USACE) to allow construction and operation of two new nuclear units and associated project features at our existing Turkey Point property in Miami-Dade County, Florida (the "proposed action"). As part of the permitting and licensing process, FPL is required to assess impacts of the proposed action, including those on Federal listed species in accordance with the Endangered Species Act . Consistent with 10 CFR Part 51, FPL requests that the U.S. Fish and Wildlife Service ("Service") provide it with information in your possession showing known occurrences of federal listed (or proposed for listing) species that could potentially be affected by the proposed action. FPL will include a copy of this request and your response in both the State of Florida Site Certification Application and the NRC Combined Operating License Application Environmental Report. Information about the property and the proposed action follows.

The Turkey Point property is located in Miami-Dade County Florida, adjacent to Biscayne Bay and Card Sound, about 25 miles south of Miami (Figure 1). The total, non-contiguous property area is approximately 11,000 acres. The developed portion of the property includes a natural gas fueled generating unit; two oil/gas-fired generating units, and two nuclear-powered generating units. The proposed action would further develop approximately 300 acres of the property west and south of these existing units, primarily within an existing cooling canal system. In addition, FPL will construct (1) pipelines to convey dual cooling water supplies (reclaimed and saline) to new cooling towers, (2) power transmission lines to connect the new units with the regional electric grid, and (3) a reclaimed water treatment facility to condition the reclaimed water for cooling water uses. In addition, because fill material is necessary for the unit foundations, FPL is proposing to place fill sourced from a commercial mine and/or from a nearby FPL-owned property approximately 4 miles northwest of the proposed site. These areas are shown in Figures 2 and 3. Figures 2A and 2B include the project features in the vicinity of the

proposed plant area. Figure 3 also provides an expanded view of the area showing the proposed transmission corridor.

Thank you for your attention to this request; I will follow-up with you to confirm receipt and to address any information needs or questions you may have. Should you need to talk to me earlier, please reach me by telephone at 561-691-7518.

Sincerely,

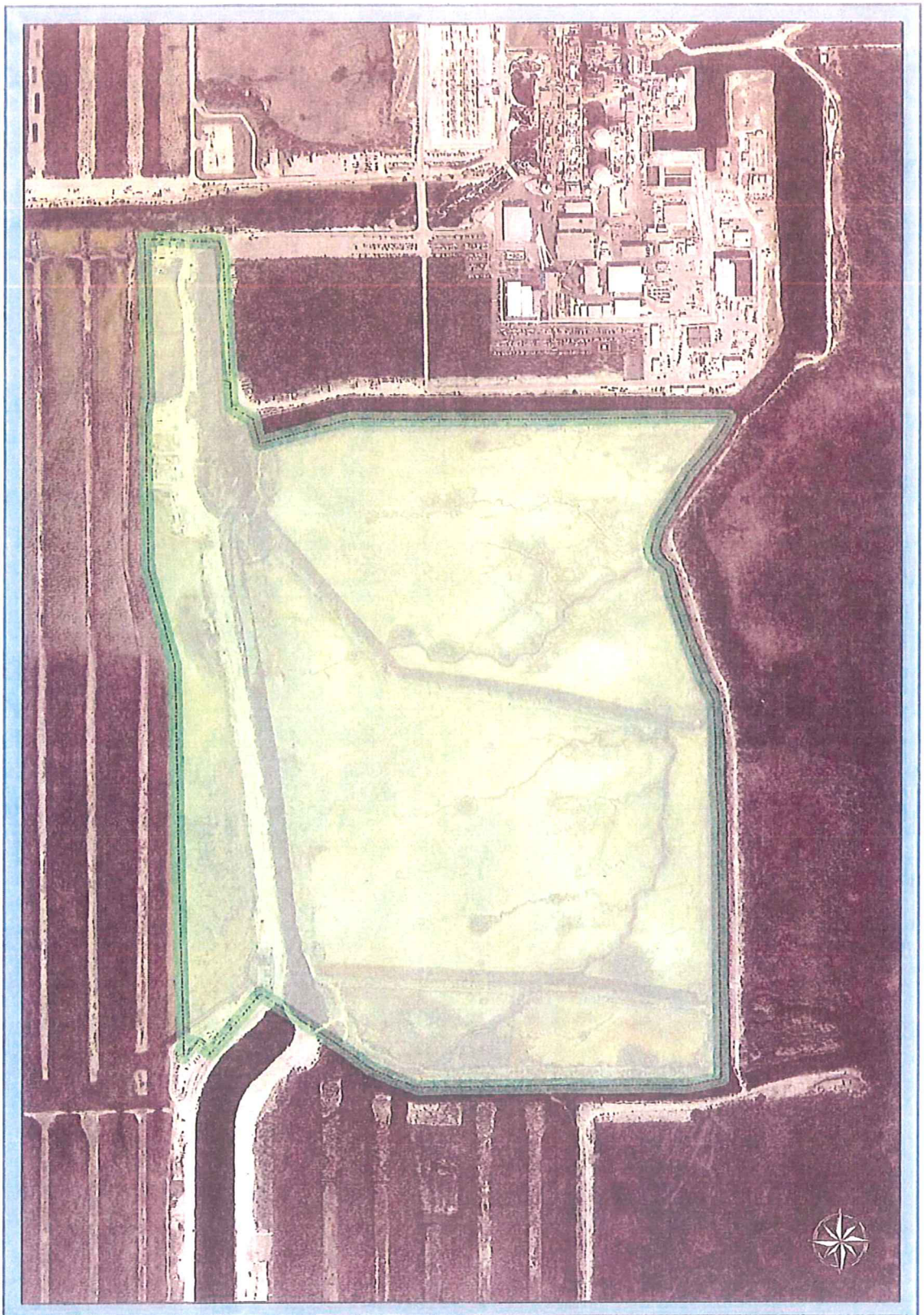
Barbara Linkiewicz

Director, Environmental Licensing

cc: Patrick Pitts, USFWS

bcc: Florette Braun
Antonio Fernandez
Greg Hall
Bill Maher
Rick Orthen
Matt Raffenberg
Marister Ruiz
Steve Scroggs
Mike Tammaro

Figure 1



## Turkey Point Units 6 and 7 Site

Miles
0 0.03 0.06 0.12 0.18 0.24

0 0.05 0.1 0.2 0.3
Kilometers

GIS Map Code: US-TURK-000052-R000C

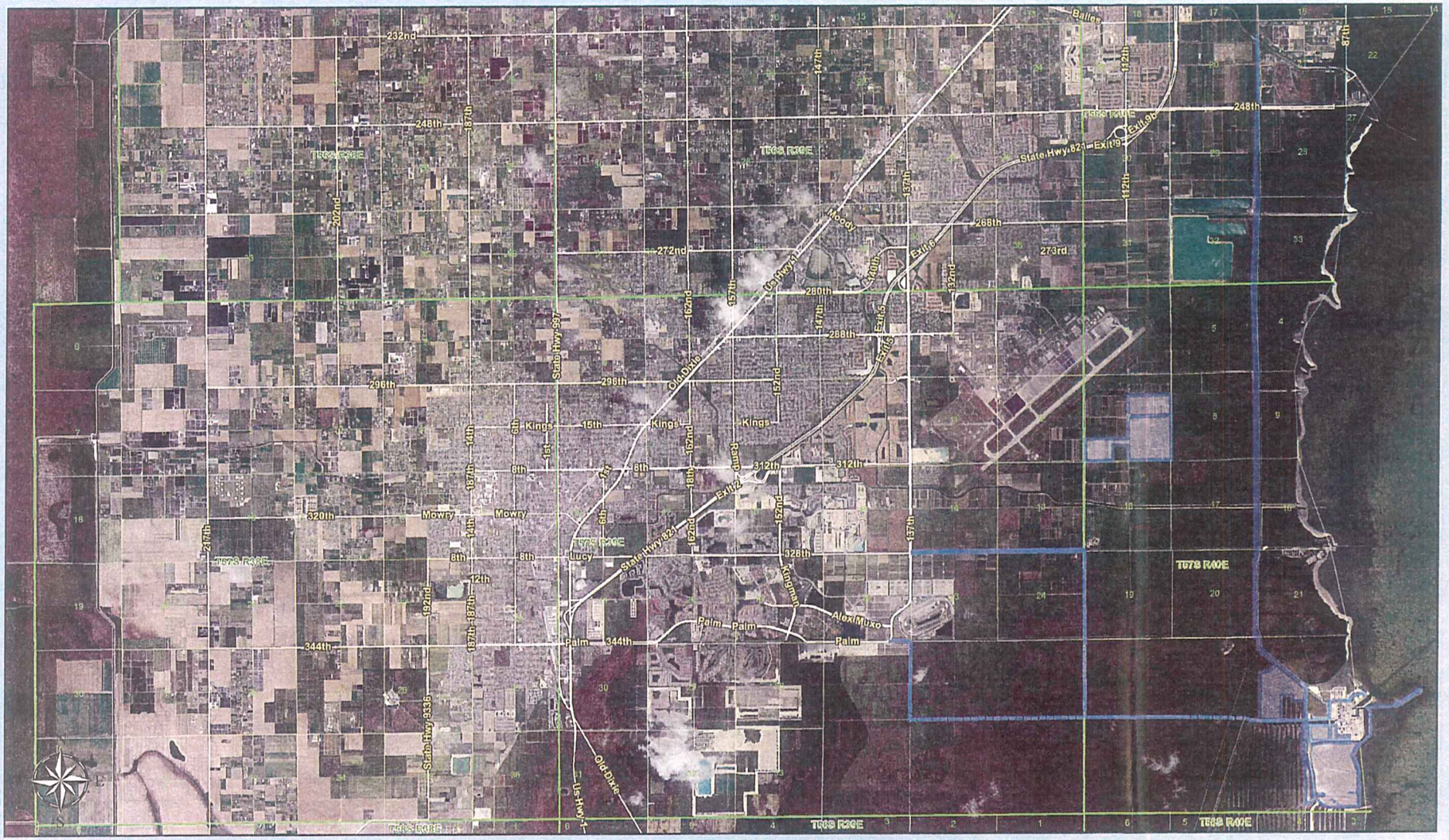



**Figure 2A: Turkey Point Units 6 & 7 Potential Project Features (without transmission)**

GIS Map Code: US-TURK-000159-R000F

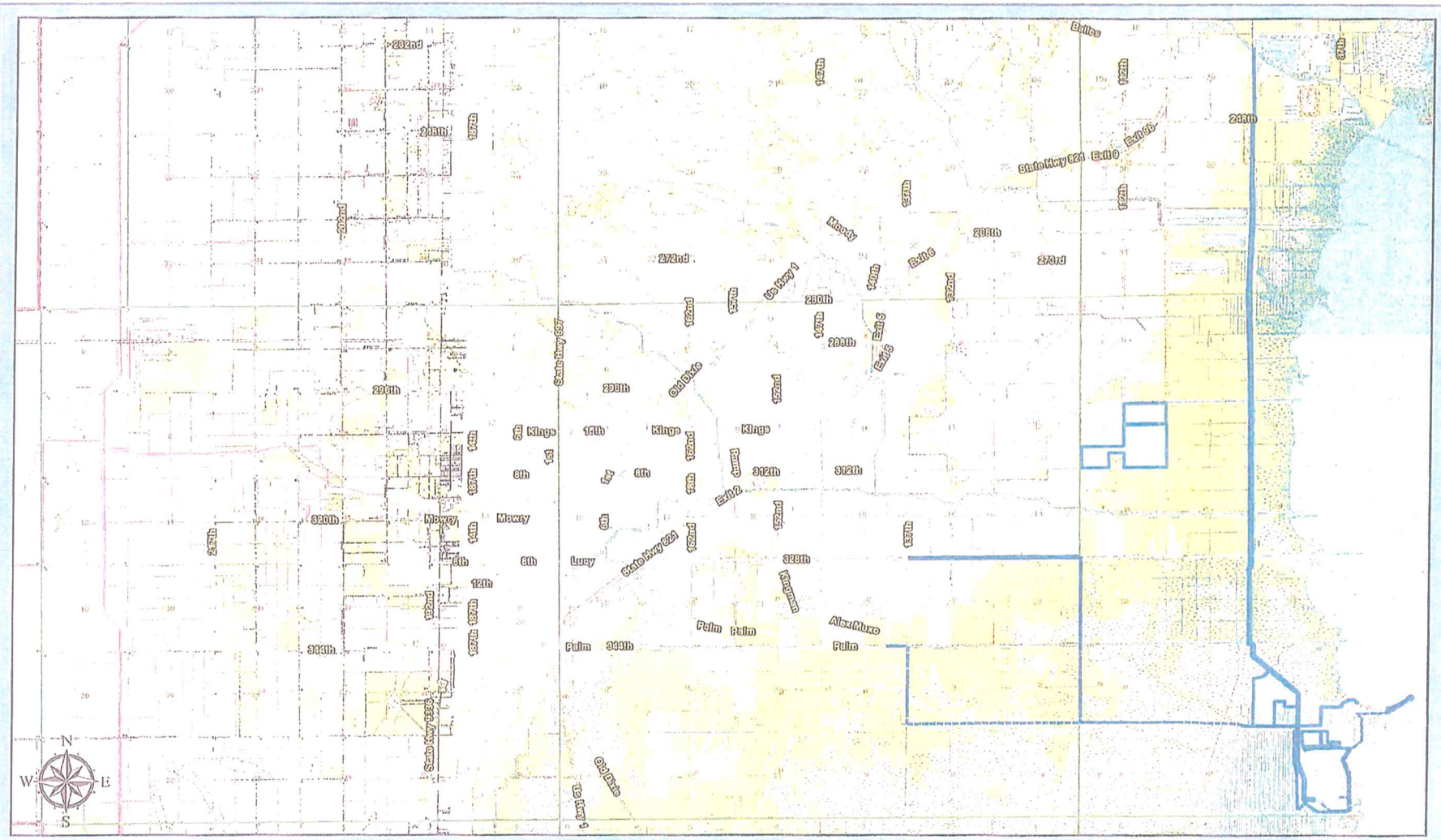


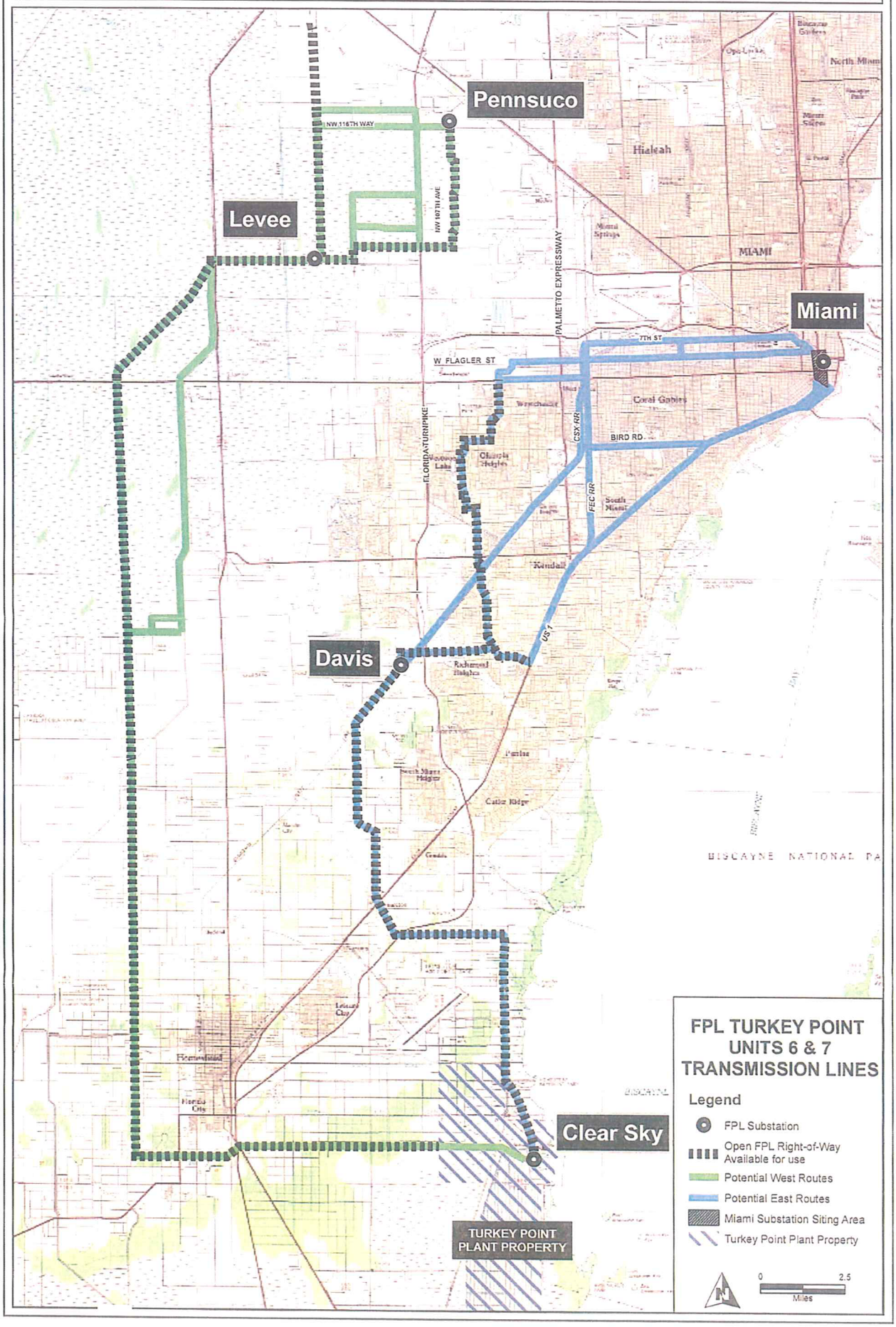

Figure 2B: Turkey Point Units 6 & 7 Potential Project Features (without transmission)

0 0.5 1 2 Miles

GIS Map Code: US-TURK-000161-R000D

File: M:\acad\080499\Route-USGS.mxd

# FIGURE 3.
# POTENTIAL TRANSMISSION ROUTES BEING STUDIED



**From:** John_Wrublik@fws.gov [mailto:John_Wrublik@fws.gov]
**Sent:** Wednesday, January 14, 2009 10:13 AM
**To:** Linkiewicz, Barbara P
**Subject:** Two New Nuclear-Powered Generating Units at Turkey Point

January 14, 2009

Barbara Linkiewicz
Florida Power and Light Company
Post Office Box 14000
Juno Beach, Florida 33408-0420

| | |
|---|---|
| Service Federal Activity Code: | 41420-2009-FA-0180 |
| Service Consultation Code: | 41420-2009-TA-0098 |
| Date Received: | December 23, 2008 |
| Project: | Two New Nuclear-Powered Generating Units at Turkey Point |
| County: | Miami-Dade |

Dear Ms. Linkiewicz:

The Fish and Wildlife Service (Service) has received your letter dated December 23, 2008, for the project referenced above. We offer the following comments.

PROJECT DESCRIPTION

The proposed action would construct two new nuclear-powered electrical generating units at the Turkey Point Power Facility on 300 acres of undeveloped land located west and south of the existing units. The project will also include the construction of cooling pipes, cooling towers, and power transmission lines, and reclaimed water treatment facility. The project is located in Miami-Dade County, Florida.

**THREATENED AND ENDANGERED SPECIES**

American crocodile

The project is located within the geographic range of the threatened American crocodile (*Crocodylus acutus*). The American crocodile is known to occur and nest at the Turkey Point Power Plant within the cooling canal system.

No other records of federally listed species were not identified on your project site. The Service

has not conducted a site inspection to verify species occurrence or validate the GIS results. However, we assume listed species occur in suitable ecological communities and recommend site surveys to determine the presence or absence of listed species. Ecological communities suitable for listed species can be found in the species accounts in the *South Florida Multi-Species Recovery Plan*. This document is available on the web at: http://www.fws.gov/verobeach/index.cfm?Method=programs&NavProgramCategoryID=3&programID=107&ProgramCategoryID=3. We have also provided for your consideration two computer links: (1) http://www.fws.gov/verobeach/index.cfm?Method=programs&NavProgramCategoryID=3&programID=37&ProgramCategoryID=3, and (2) http://migratorybirds.fws.gov/. The first link provides links to lists of species protected under the Endangered Species Act of 1973 (as amended, 87 Stat. 884; 16 U.S.C. 1531 *et seq.*) for each county in south Florida. The County lists do not include State-listed species. Please contact the Florida Fish and Wildlife Conservation Commission to identify potential State-listed species occurring in the vicinity of your project. The second link provides information on species the Service is required to protect and conserve under other authorities, such as the Fish and Wildlife Coordination Act of 1958, as amended (48 Stat. 401; 16 U.S.C. 661 *et seq.*) and the Migratory Bird Treaty Act (40 Stat. 755; 16 U.S.C. 701 *et seq.*). A variety of habitats in south Florida occasionally provide resting, feeding, and nesting sites for a variety of migratory bird species. As a public trust resource, migratory birds must be taken into consideration during project planning and design.

Thank you for the opportunity to comment. If you have any questions, please contact me at 772-562-3909, extension 282.

Sincerely yours,

John M. Wrublik
U.S. Fish and Wildlife Service
Vero Beach Ecological Services Office
1339 20th Street
Vero Beach, Florida 32960
Phone: 772-562-3909, x-282
Fax: 772-562-4288