


United States Nuclear Regulatory Commission Official Hearing Exhibit	
In the Matter of:	Progress Energy Florida, Inc. (Levy County Nuclear Power Plant, Units 1 and 2)
	ASLBP #: 09-879-04-COL-BD01
	Docket #: 05200029 05200030
	Exhibit #: INT303-00-BD01
	Admitted: 12/3/2012
	Rejected:
Other:	Identified: 10/31/2012 Withdrawn: Stricken:

**Bacchus Composite Attachment of LNP Site and Vicinity Photographs
List and Description
6/25/12**

The first set of photographs is from the proposed LNP site and Big King Spring and were taken on January 11, 2012 during the site visit conducted at the request of the ASLB judges. These photographs represent the following:

Proposed LNP Site Photographs 1/11/12:

- 0793 stressed pond-cypress wetlands representative of proposed LNP site
- 0804 evergreen shrub understory in wetlands representative of proposed LNP site

Big King Spring Photographs 1/11/12:

- 0819 Spring Creek Run flowing from Big King Spring into Gulf Hammock
- 0821 Apple Snail eggs at high water line ~0.5 m above current level of water

2008 5/22/12 Hilliard photograph of **dry** Spring Run Creek w/ no flow from Big King Spring into Gulf Hammock

The second set of photographs, taken on January 12, 2012, is from the Gulf Hammock vicinity of the proposed LNP. These photographs represent the following:

Gulf Hammock Vicinity of Proposed LNP Photographs 1/12/12:

- 0843 reduced surfacewater flow to coastal marshes through wider channel in Gulf Hammock vicinity of proposed LNP
- 0847 dead cabbage palm and pine trees from saltwater impacts in Gulf Hammock vicinity of the proposed LNP
- 0853 *Chara* sp. (green macrophytic alga), indicator of fresh groundwater discharge, covering margin of Gulf Hammock mine pit
- 0854 close-up of *Chara* sp. (green macrophytic alga), indicator of fresh groundwater discharge, covering margin of Gulf Hammock mine pit
- 0863 mine pit full of fresh ground water in Gulf Hammock vicinity of proposed LNP with dead and declining pine trees near margin of pit
- 0865 mine pit full of fresh ground water and floating mats of algae indicative of eutrophication in Gulf Hammock vicinity of proposed LNP
- 0868 large, dry wetland in Gulf Hammock vicinity of proposed LNP
- 0871 large, dry wetland in Gulf Hammock vicinity of proposed LNP with subsidence and high water line about 0.5 meters
- 0873 large, dry wetland in Gulf Hammock vicinity of proposed LNP with subsidence, high water line about 0.5 meters and dead trees
- 0876 east side of dwindling freshwater wildlife pond at interface of coastal marsh and Gulf Hammock vicinity of proposed LNP, with wildlife tracks in exposed mud

The third set of photographs, taken on January 14, 2012, is from the Gulf Hammock vicinity of the proposed LNP. These photographs represent the following:

Gulf Hammock Vicinity of Proposed LNP Photographs 1/14/12:

0934 base of declining cabbage palm tree in Gulf Hammock vicinity of proposed LNP with largest number of pathogenic fungal “conks” ever observed by Bacchus on a single tree

The fourth set of photographs, taken on January 15, 2012, is from the Gulf Hammock vicinity of the proposed LNP. These photographs represent the following:

Gulf Hammock Vicinity of Proposed LNP Photographs 1/15/12:

0979 root zone of trees separating from underlying karst rock formation at margin of wetland water in Gulf Hammock vicinity of proposed LNP

1010 former freshwater pond contaminated with salt water in Gulf Hammock vicinity of proposed LNP with dead pine, oak and cabbage palm trees from saltwater impacts

1035 former freshwater pond contaminated with salt water in Gulf Hammock vicinity of proposed LNP with dead pine and cabbage palm trees from saltwater impacts

1039 sign for “Funding for The Withlacoochee Gulf Preserve was Provided by Florida Communities Trust Using Florida Forever Funds Town of Yankeetown” where habitat damage is occurring in Gulf Hammock vicinity of proposed LNP

The fifth set of photographs, taken on March 14, 2012, is from the Lower Withlacoochee River vicinity of the proposed LNP. These photographs represent the following:

Lower Withlacoochee River Vicinity of Proposed LNP Photographs 3/14/12:

1136 dead and declining bald-cypress and other wetland trees along the Lower Withlacoochee River vicinity of the proposed LNP from saltwater impacts

1144 dead red cedar tree along the Lower Withlacoochee River vicinity of the proposed LNP from saltwater impacts

1156 declining bald-cypress and other wetland trees, with branches covered in Spanish moss along the Lower Withlacoochee River vicinity of the proposed LNP from saltwater impacts

The sixth set of photographs, taken on March 15, 2012, is from the Gulf Hammock vicinity of the proposed LNP. These photographs represent the following:

Gulf Hammock Vicinity of Proposed LNP Photographs 3/15/12:

1193 another former freshwater pond contaminated with salt water in Gulf Hammock vicinity of proposed LNP, with dead and declining oak, pine and cabbage palm trees from saltwater impacts

1195 inactive swallet in Gulf Hammock vicinity of proposed LNP, near shallow channel

The seventh set of photographs, taken on March 16, 2012, is from the Gulf Hammock vicinity of the proposed LNP. These photographs represent the following:

Gulf Hammock Vicinity of Proposed LNP Photographs 3/16/12:

1201 dry, shallow channel with wetland vegetation and apple snail eggs above high water line (below hand) in the Gulf Hammock vicinity of the proposed LNP

1203 broad, dry, shallow channel with dead trees in the Gulf Hammock vicinity of the proposed LNP with prominent solution features

1220 another former freshwater pond in Gulf Hammock vicinity of proposed LNP, with water levels reduced to small puddle too small for this approximately 2-meter long to submerge

The eighth set of photographs, taken on March 17, 2012, is from the Waccasassa River/Cow Creek vicinity of the proposed LNP. These photographs represent the following:

Waccasassa River/Cow Creek Vicinity of Proposed LNP Photographs 3/17/12:

1252 Waccasassa River/Cow Creek vicinity of the proposed LNP, with dead cabbage palm and other trees from saltwater impacts

The ninth set of photographs, taken on March 18, 2012, is from the Goethe State Forest vicinity of the proposed LNP. These photographs represent the following:

Goethe State Forest Vicinity of Proposed LNP Photographs 3/18/12:

1269 dead pond-cypress and pine trees from destructive wildfire from hydroperiod alterations in Goethe State Forest vicinity of the proposed LNP