



Bureau of Forestry

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<i>Pennsylvania Natural Diversity Inventory Review, PNDI Number</i>	19605 (old #19248)
Three Mile Island Unit 1 License Renewal Species of Special Concern	
Dauphin & Lancaster Counties	

Dear Ms. Lund,

This responds to your request about a Pennsylvania Natural Diversity Inventory (PNDI) ER Tool "Potential Impact" or a species of special concern impact review. We screened this project for potential impacts to species and resources of special concern under the Department of Conservation and Natural Resources' responsibility, which includes plants, natural communities, terrestrial invertebrates and geologic features only.

PNDI records indicate that species and communities of special concern under DCNR's jurisdiction are known to occur in the vicinity of the above-mentioned project. Please see the attached list for species found in the vicinity of this project. No impact is anticipated since earth disturbance is expected to be "within the bounds of the Three Mile Island Flood Protection dike," as stated in April 15, 2008 letter to DCNR. If plans change to include disturbance outside of the Flood Protection dike area (particularly if more disturbance is required for Transmission Line No. 1051), please coordinate with our office as a survey may be requested.

This response represents the most up-to-date summary of the PNDI data files and is good for one (1) year from the date of this letter. An absence of recorded information does not necessarily imply actual conditions on-site. A field survey of any site may reveal previously unreported populations. Should project plans change or additional information on listed or proposed species become available, this determination may be reconsidered.

This finding applies to impacts to plants, natural communities, terrestrial invertebrates and geologic features only. To complete your review of state and federally-listed species of special concern, please be sure the U.S. Fish and Wildlife Service, the PA Game Commission and the Fish and Boat Commission has been contacted regarding this project either directly or by performing a search with the online PNDI ER Tool found at www.naturalheritage.state.pa.us.

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Stewardship

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Pennsylvania Natural Diversity Inventory Review, PNDI Number 19605 (old #19248)

Three Mile Island Unit 1 License Renewal Species of Special Concern

Dauphin & Lancaster Counties

Plant Species of Special Concern

Scientific Name	Common Name	Current Status	Proposed Status	Habitat	Flowering time
<i>Boltonia asteroides</i>	Aster-like Boltonia	PE	PE	rocky shores and exposed rocky river beds	flowers July-Oct
<i>Carex shortiana</i>	Sedge	N	PR	calcareous wet meadows and swamps and rich woods	
<i>Eleocharis compressa</i>	Flat-stemmed Spike-rush	PE	PE	wet, sandy ground and river banks	
<i>Ellisia nyctelea</i>	Ellisia	PT	PT	damp, shady banks and rich alluvial woods	flowers in May

Additional Information:

Butterfly Species of Special Concern

Scientific Name	Common Name	Global Rank	State Rank	Habitat	Larval Host
<i>Lycaena hylus</i>	Bronze Copper	Globally Secure	Currently unrankable due to lack of information or due to substantially conflicting information about status or trends.	Low wet meadows / marshes, especially in river flood plains. Very large, floppy-flying copper.	Water dock (<i>Rumex orbiculatus</i>) and curled dock (<i>Rumex crispus</i>)

Geologic Features of Special Concern

Erosional Remnant made up of a series of large potholes in diabase in the bed of the Susquehanna from the Triassic Age is known to exist where the transmission lines cross the river towards York Haven.

Communities of Special Concern

There is also a Riverside Outcrop Community in the vicinity. This community is characterized by semi-permanently or seasonally flooded vegetation of the riverbed, banks and islands.

More information on this community may be found online in *Terrestrial & Palustrine Plant Communities of Pennsylvania* by Jean Fike, Pennsylvania Natural Diversity Inventory:

<http://www.dcnr.state.pa.us/wrcf/fikebook/21Chapter8.pdf> (page 55).

No impact anticipated; this list is for your own information.