



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Pennsylvania Field Office
315 South Allen Street, Suite 322
State College, Pennsylvania 16801-4850

February 3, 2003

Jacob Dunnell II
Project Manager
Shaw Environmental & Infrastructure, Inc.
88C Elm Street
Hopkinton, MA 01748-1656

Dear Mr. Dunnell:

This responds to your letter of December 23, 2002, requesting information about federally listed and proposed endangered and threatened species within the vicinity of a manufacturing facility (Cabot Performance Materials) located in Boyertown Township, Berks County, Pennsylvania. The following comments are provided pursuant to the Endangered Species Act of 1973 (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*) to ensure the protection of endangered and threatened species.

The proposed project is within the known range of the bog turtle (*Clemmys muhlenbergii*), a species that is federally listed as threatened. The northern population of the bog turtle occurs in the States of Connecticut, New York, Pennsylvania, Maryland, New Jersey, Delaware and Massachusetts. Bog turtles inhabit shallow, spring-fed fens, sphagnum bogs, swamps, marshy meadows, and pastures characterized by soft, muddy bottoms; clear, cool, slow-flowing water, often forming a network of rivulets; high humidity; and an open canopy. Bog turtles usually occur in small, discrete populations occupying suitable wetland habitat dispersed along a watershed. The occupied "intermediate successional stage" wetland habitat is usually a mosaic of micro-habitats ranging from dry pockets, to areas that are saturated with water, to areas that are periodically flooded. Some wetlands occupied by bog turtles are located in agricultural areas and are subject to grazing by livestock.

If any wetlands occur within or near the project area, their potential suitability as bog turtle habitat should be assessed, as described under "*Bog Turtle Habitat Survey*" (Phase 1 survey) of the enclosed *Guidelines for Bog Turtle Surveys*. This habitat survey could easily be conducted by a wetland biologist concurrent with a routine wetland identification and delineation. If any wetlands are identified as potential bog turtle habitat, efforts should be made to avoid any direct or indirect impacts to those wetlands. If adverse effects to these wetlands cannot be avoided, a more detailed and thorough survey will be necessary, as described under "*Bog Turtle Survey*" (Phase 2 survey) of the *Guidelines for Bog Turtle Surveys*. The Phase 2 survey should be conducted by a qualified biologist with bog turtle field survey experience (see enclosed list of qualified surveyors). Survey results should be submitted to the Fish and Wildlife Service for review and concurrence. If project activities might adversely affect bog turtles, additional consultation with the Service will be required, pursuant to the Endangered Species Act.

This response relates only to endangered and threatened species under our jurisdiction based on an office review of the proposed project's location. No field inspection of the project area has been conducted by this office. Consequently, this letter is not to be construed as addressing potential Service concerns under the Fish and Wildlife Coordination Act or other authorities. A compilation of certain federal status species in Pennsylvania is enclosed for your information.

Please contact Bonnie Dershem of my staff at 814-234-4090 if you have any questions or require further assistance regarding this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "David Densmore", with a long horizontal flourish extending to the right.

**David Densmore
Supervisor**

Enclosures



Commonwealth of Pennsylvania
Pennsylvania Fish and Boat Commission
Division of Environmental Services
450 Robinson Lane
Bellefonte, PA 16823
814-359-5117

January 23, 2003

**IN REPLY REFER TO
SIR# 11056**

Shaw Environmental & Infrastructure, Inc.
Jacob Dunnell, II
88C Elm Street
Hopkinton, MA 01748-1656

**RE: Species Impact Review (SIR) – Rare, Candidate, Threatened and Endangered Species
PNDI Potential Conflict Number: N112777
NRC Source Material License Renewal, Cabot Performance Materials
Boyertown Township, Berks County, Pennsylvania**

Dear Mr. Dunnell:

I have examined the map accompanying your recent correspondence which shows the location for the proposed above referenced project.

Presently, none of the fishes, amphibians or reptiles we list as endangered or threatened are known to occur at or in the immediate vicinity of this study area.

To allow faster processing of Species Impact Reviews (SIRs) in the future, we are requesting that the enclosed, revised "SIR Request Form" be completed and returned to this office together with other relevant project information. Please make copies of the enclosed form and use with all future project reviews. If you have received, and in fact are using the new form, disregard the above request. Please note that the Pennsylvania Fish & Boat Commission conducts Species Impact Reviews only for reptiles, amphibians, fishes, and aquatic invertebrates. Reviews concerning other natural resources must be submitted to other appropriate agencies. In any future correspondence with us regarding this specific project, please refer to the SIR number above.

Thank you in advance for your cooperation.

Sincerely,

A handwritten signature in cursive script that reads "Steven R. Kepler".

Steven R. Kepler, Fisheries Biologist
Division of Environmental Services

SRK:dmc

Enclosure

COMMONWEALTH OF PENNSYLVANIA
FISH AND BOAT COMMISSION
 NONGAME AND ENDANGERED SPECIES UNIT (NESU)

SPECIES IMPACT REVIEW (SIR) REQUEST FORM

- A.** This form provides the site information necessary to perform a computer database search for species of special concern listed under the Endangered Species Act of 1973, the Wild Resource Conservation Act, the Pennsylvania Fish and Boat Code or the Wildlife Code.
- B.** Use only *one form* for each proposed project or location. Complete the information below and mail form to:

Nongame and Endangered Species Unit
 PA Fish and Boat Commission
 450 Robinson Lane
 Bellefonte, PA 16823
 Fax: (814) 359-5175
- C.** This form, a cover letter including a project narrative, and accompanying maps should be sent to the above address for environmental reviews that *only concern reptiles, amphibians, fishes and aquatic invertebrates*. Reviews for other natural resources must be submitted to other appropriate agencies.
- D.** The absence of recorded information from our databases and files does not necessarily imply actual conditions on site. Future field investigations could alter this determination. The information contained in our files is routinely updated. A review is valid for one year.
- E.** *Please send us only one (1) copy of your request* – either by fax or by mail – not both. Mail is preferred to improve legibility of maps. Facsimile submission will not improve our response turn-around time.
- F.** *Allow 30 days for completion of the review from the date of PFBC-NESU receipt*. Large projects and workload may extend this review timeframe.
- G.** *In any future correspondence with us following your receipt of the SIR response, please refer to the assigned SIR number at the top left of our cover letter.*
- H.** **FORMS THAT ARE NOT COMPLETED IN FULL, WILL NOT BE REVIEWED.**

PLEASE PRINT OR TYPE: If available, provide the potential conflict PNDI Search Number: _____
 PFBC-NESU response should be sent to: _____
 Company/Agency: _____ Form Preparer: _____
 Address: _____ Phone (8:00 AM to 4:00 PM): _____

Project Description: _____

Indicate if the project is: Transportation or Non-transportation (check one)
 Will the proposed project encroach directly or indirectly (e.g., runoff) upon wetlands or waterways? Circle one for each:
 Wetlands: Yes No Unknown Waterways: Yes No Unknown
 County: _____ Township/Municipality: _____

Name of the United States Geological Survey (U.S.G.S.) 7.5 Minute Quadrangle Map where project is located: _____
 Project size (in acres): _____

Attach an 8.5" by 11" photocopy (**DO NOT REDUCE**) of the section of the U.S.G.S. Quadrangle Map which identifies the project location. On this map, indicate the location of the project center (if linear, depict both ends) and outline the approximate boundaries of the project area.

Specify latitude/longitude of the project center. Latitude: _____° / _____' / _____" N
 Indicate latitude/longitude in degrees-minutes-seconds format only. Longitude: _____° / _____' / _____" W

Three steps are needed to convert from decimal degrees to degrees-minutes-seconds: (1) Degrees will be the whole number. (2) To get minutes, multiply the decimal degree portion by 60. (3) Multiply the decimal minute portion by 60 to get seconds.
 Example: (Latitude) 40.93748 = 40°; 0.93748 x 60 = 56.2488" = 56'; 0.2488 x 60 = 14.928 = 15" = 40°56'15" N
 (Longitude) 75.94740 = 75°; 0.94740 x 60 = 56.844' = 56'; 0.844 x 60 = 50.64 = 51" = 75°56'51" W

FOR PFBC-NESU USE ONLY

SIR#	Quad Name	Data Source	Search Result-Potential Species Conflict	Action



Pennsylvania Natural Diversity Inventory

Scientific information and expertise for the conservation of Pennsylvania's native biological diversity
January 17, 2003

Fax 717-772-0271
717-772-0258

Bureau of Forestry

Jacob Dunnell
The Shaw Group, Inc.
88C Elm Street
Hopkinton, MA 01748-1656

**Re: Pennsylvania Natural Diversity Inventory Review for the Proposed USNRC Source
Material License Renewal, Boyertown Township** **PER NO: 13950**

Dear Mr. Dunnell:

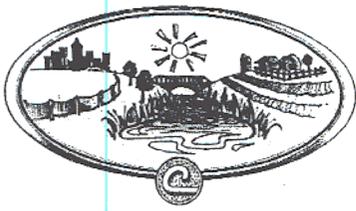
In response to your request December 23, 2003 to review the above mentioned project, we have reviewed the area using the Pennsylvania Natural Diversity Inventory (PNDI) information system. PNDI records indicate that no occurrences of species of special concern are known to exist within the project area, therefore we do not anticipate any impact on endangered, threatened, or rare species at this location. PNDI attempts to be a complete information resource on species of special concern within the Commonwealth. However, it may not contain all location information for species within the jurisdiction of other agencies. Please contact the Fish and Boat Commission and US Fish and Wildlife Service for information on species within their purview.

PNDI is a site specific information system that describes significant natural resources of Pennsylvania. This system includes data descriptive of plant and animal species of special concern, exemplary natural communities and unique geological features. PNDI is a cooperative project of the Department of Conservation and Natural Resources, The Nature Conservancy and the Western Pennsylvania Conservancy. This response represents the most up-to-date summary of the PNDI data files and is **good for one year**. An absence of recorded information does not necessarily imply actual conditions on-site. A field survey of any site may reveal previously unreported populations.

Feel free to phone our office if you have questions concerning this response or the PNDI system, and please refer to the P.E.R. Reference Number at the top of the letter in future correspondence concerning this project.

Sincerely,

Justin P. Newell
Environmental Review Specialist



MONTGOMERY COUNTY CONSERVATION DISTRICT

143 Level Road • Collegeville, PA 19426-3313 • 610-489-4506 • Fax: 610-489-9795
www.montgomeryconservation.org

January 3, 2003

Shaw Environmental & Infrastructure, Inc.
ATTN: Jacob Dunnell
88C Elm Street
Hopkinton, MA 01740

Re: U.S. Nuclear Regulatory Commission (NRC) Source Material License Renewal
Boyertown Township, Montgomery County

Dear Applicant:

As required for a NPDES General Permit, we have researched the Pennsylvania Natural Diversity Inventory for any species of special concern listed under the Endangered Species Act of 1973, the Wild Resource Conservation Act, the PA Fish & Boat or the Game Code.

Enclosed are the results of the search. This PNDI search request has been submitted **without a plan**. Please **resubmit** the PNDI results and information when submitting the finalized plan.

Sincerely,

A handwritten signature in cursive script, appearing to read "Jansen".

Jeanette Jansen
Montgomery County Conservation District



COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF WATERSHED MANAGEMENT
 BUREAU OF WATERWAYS ENGINEERING

FOR OFFICIAL USE ONLY	
PNDI Screening	Reviewer <u>Lansen</u>
Date	<u>1/3/02</u>
Phone No.	<u>6104894506</u>

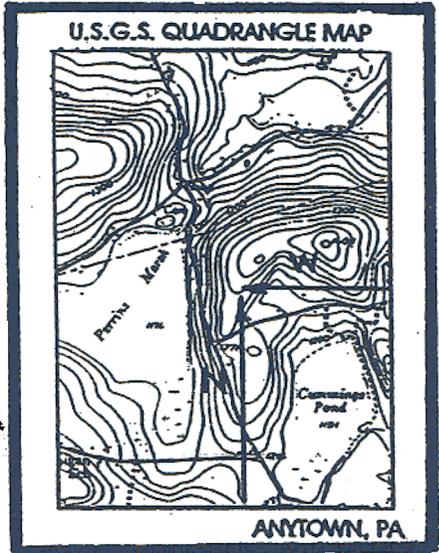
SUPPLEMENT NO. 1
PENNSYLVANIA NATURAL DIVERSITY INVENTORY SEARCH FORM

This form provides site information necessary to perform a computer screening for species of special concern listed under the Endangered Species Act of 1973, the Wild Resource Conservation Act, the Pennsylvania Fish and Boat Code or the PA Game and Wildlife Code. Records regarding species of special concern are maintained by PA DCNR in a computer data base called the "Pennsylvania Natural Diversity Inventory" (PNDI). Results from this search are not intended to be a conclusive compilation of all potential special concern resources located within a proposed project site. On-site biological surveys may be recommended to provide a definitive statement on the presence or absence, or degree of natural integrity of any project site. Results of this PNDI search are valid for one year.

Please complete the information below, attach an 8½" x 11" photocopy (DO NOT REDUCE) of the portion of the U.S.G.S. Quadrangle Map that identifies the project location and outlines the approximate boundaries of the project and mail to the appropriate DEP regional office or delegated County Conservation District prior to completing a Chapter 105 environmental assessment or any other DEP permit application. (SEE REVERSE SIDE FOR LIST OF OFFICES AND ADDRESSES).

NAME: Jacob Jennell II
 ADDRESS: Shaw Environmental
88C Elm Street
Hopkinton, MA 01748
 PHONE: (508) 497 6173
 COUNTY: Berk / Montgomery
 TWP./MUNICIPALITY: Boyerstown
 U.S.G.S. 7½ Minute Quadrangle
Sassamansville

M.C.G.L.
DEC 26 2002
RECEIVED



North (Up) 16.6 inches
 West (to the left) 5 inches

INDICATE PROJECT LOCATION TO THE NEAREST ONE TENTH INCH MEASURING FROM THE EDGE OF THE MAP IMAGE FROM THE LOWER RIGHT CORNER.

FOR OFFICIAL USE ONLY

SCREENING RESULTS - Follow the directions of the checked block.

- No potential conflicts were encountered during the PNDI inquiry. Include this form and the PNDI receipt with your Chapter 105 environmental assessment or other DEP permit application submissions.
- Potential conflicts must be resolved by contacting the natural resource agencies listed on the PNDI receipt. Please provide a copy of this form and the PNDI receipt along with a brief description of your project to the listed agency for consultation and recommendations. Include this form, the printed PNDI search results and the natural resource agency's written recommendation with your Chapter 105 environmental assessment or other DEP permit application submissions.

PNDI Internet Database Search Results

PNDI Search Number: N111783

Search Results For Montgomery.County@dep.state.pa.us

Search Performed By: Richard Kadwill On 1/3/03 9:25:25 AM

Agency/Organization: Montgomery County Conservation District

Phone Number: 610-489-4506

Search Parameters: Quad - 407535; North Offset - 16; West Offset - 17; Acres - 250

Project location center (Latitude): 40.33784

Project location center (Longitude): 75.62189

Project Type: DEP Permits/Erosion/Sediment Control

Print this page using your Internet browser's print function and keep it as a record of your search.

No conflicts with ecological resources of special concern are known to exist within the specified search area.

PNDI is a site specific information system, which describes significant natural resources of Pennsylvania. This system includes data descriptive of plant and animal species of special concern, exemplary natural communities and unique geological features. PNDI is a cooperative project of the Department of Conservation and Natural Resources, The Nature Conservancy and the Western Pennsylvania Conservancy. This response represents the most up-to-date summary of the PNDI data files and is valid for 1 year. An absence of recorded information does not necessarily imply actual conditions on-site. A field site survey may reveal previously unreported populations.

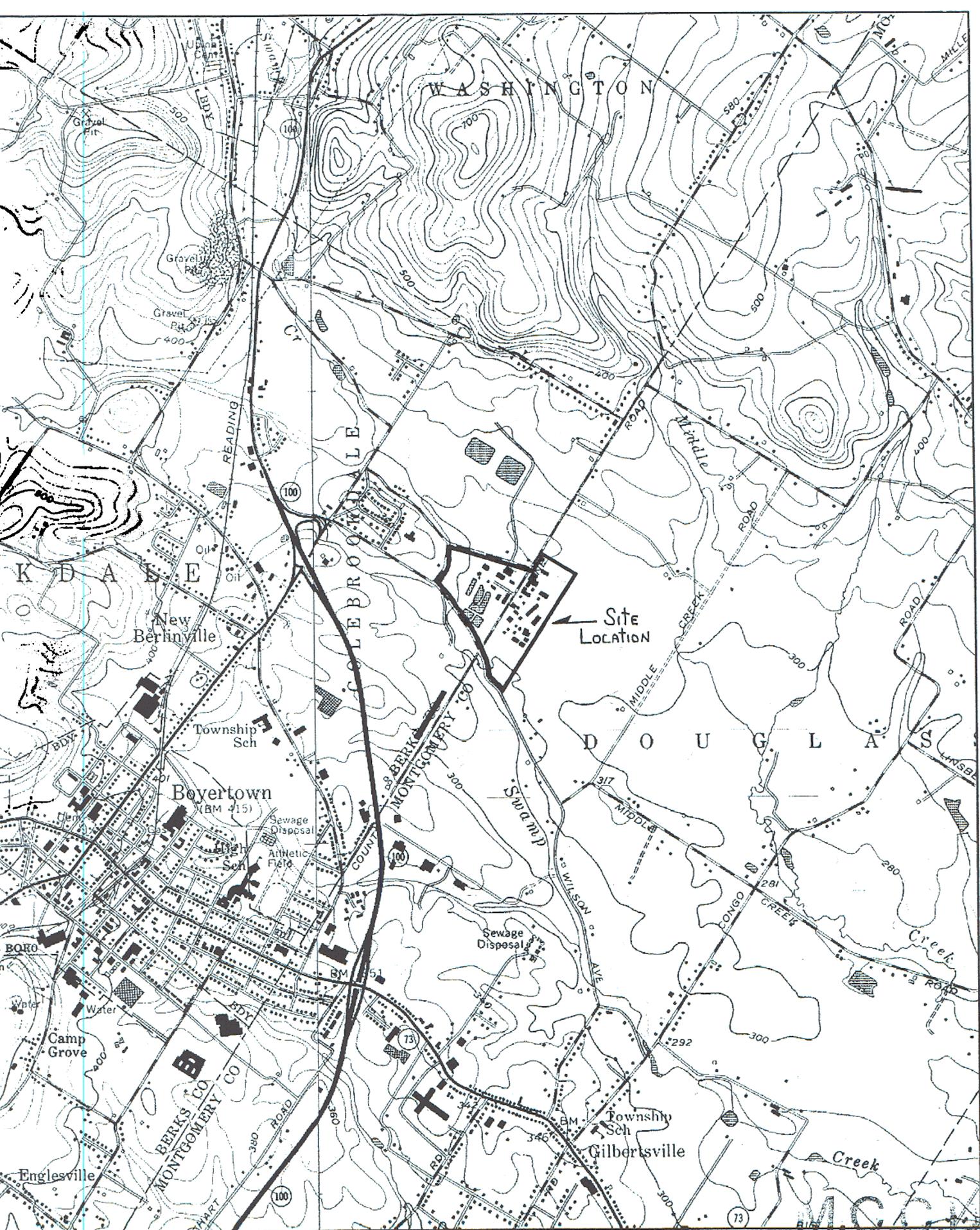
Legal authority for Pennsylvania's biological resources resides with three administrative agencies. The handout entitled [Pennsylvania Biological Resource Management Agencies](#), outlines which species groups are managed by these agencies. Feel free to [contact our office](#) if you have questions concerning this response or the PNDI system, and please refer to the PNDI Search Number at the top of this page in future correspondence concerning this project.

[New Search using Inches on a Quad](#)

[New Search using Latitude and Longitude](#)

[PNDI Search Home](#)

[PNDI Search Welcome](#)



Name: SASSAMANSVILLE
 Date: 12/24/2002
 Scale: 1 inch equals 2000 feet

Location: 040° 20' 36.0" N 075° 36' 55.8" W

DEC 26 2002

RECEIVED



RECEIVED
DEC. 26 2002

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATERSHED MANAGEMENT
BUREAU OF WATERWAYS ENGINEERING

Berks County
Conservation
District

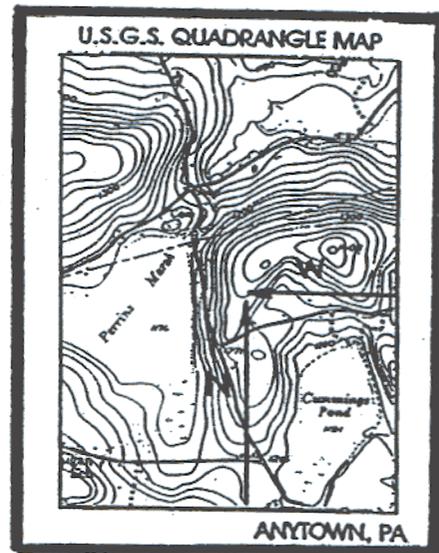
FOR OFFICIAL USE ONLY
PNDI Screening
Reviewer B. Ruhl
Date 11/2/03
Phone No. 610-372-4657

**SUPPLEMENT NO. 1
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NAME: Jacob Drenell
ADDRESS: Shaw Environmental
88C Elm Street
Hopkinton, MA 01748
PHONE: (508) 497 6173
COUNTY: Berks / Montgomery
TWP./MUNICIPALITY: Boyerstown
U.S.G.S. 7 1/2 Minute Quadrangle
Sassamansville



North (Up) 16.6 inches
West (to the left) 15 inches

INDICATE PROJECT LOCATION TO THE NEAREST ONE TENTH INCH MEASURING FROM THE EDGE OF THE MAP IMAGE FROM THE LOWER RIGHT CORNER.

PROJECT DESCRIPTION AND SIZE (Briefly describe entire area relevant to your project, including acreage.)

- Existing Industrial Facility w/ paved parking, grass areas
and small Forested Areas
- Approximately 165 acres

FOR OFFICIAL USE ONLY

SCREENING RESULTS - Follow the directions of the checked block

- No potential conflicts were encountered during the PNDI inquiry. Include this form and the PNDI receipt with your Chapter 105 environmental assessment or other DEP permit application submissions.
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PNDI Internet Database Search Results

PNDI Search Number: N111764

Search Results For BRuhl@bccd.org

Search Performed By: Bryon Ruhl On 1/2/03 2:35:12 PM

Agency/Organization: Berks County Conservation District

Phone Number: 610-372-4657

Search Parameters: Quad - 407536; North Offset - 16.6; West Offset - 15; Acres - 200

Project location center (Latitude): 40.34113

Project location center (Longitude): 75.73255

Project Type: Other\NRC Source Material License Renewal

Print this page using your Internet browser's print function and keep it as a record of your search.

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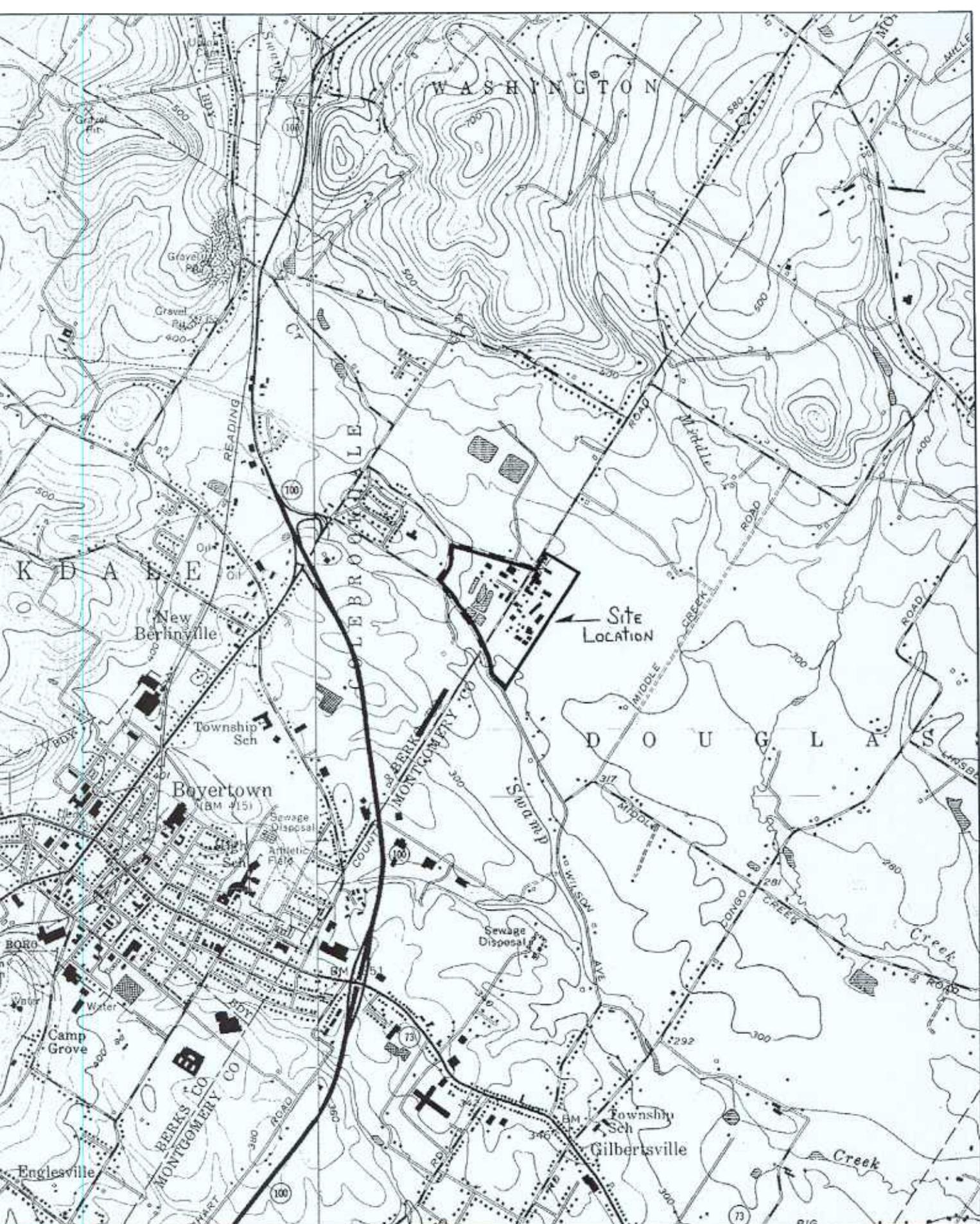
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[New Search using Latitude and Longitude](#)

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Date: 12/24/2002
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