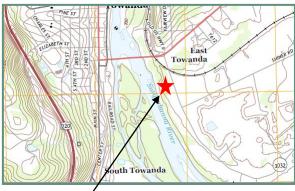
# **Progress Authority**





Site Location

#### Site Resources

#### Infrastructure (Water & Sewer):

Wysox Municipal Authority operates the public water and sewer system. The Authority currently has excess conveyance capacity within both the water and sewer system. Towanda Municipal Authority handles the public water supply and wastewater treatment. Both systems currently have excess capacity. Currently water and sewer are available on Leisure Drive (SR2032) and Shiner Drive (SR2034).

#### **Site Access:**

Site access is obtainable off Leisure Drive (SR2032). State Route 6 (SR6) is located just north of the site.

#### **Existing Terrain:**

The property is primarily wooded with slight hilly areas. Slopes range from 0-8% with multiple soil types; Alton gravelly sandy loams, Braceville silt loam, and Wyoming gravelly sandy loam.

#### **Railroad Availability:**

No, there is no railroad access at this site.

#### Floodplain Regions:

The site is located within the 100-yr floodplain region.

#### Wetlands (NWI Review):

According to existing mapping there are no wetlands on the listed site.

#### PNDI (Environmental Review):

There are no known potential impacts associated with the listed area.

**Municipality: Wysox Township** 

**Property Owner: Central Bradford Progress** 

Authority

Tax Parcel ID: 62-87.02-6.1

Deed Reference: 200011568

Site Acreage: 14.09

#### **Site Amenities**

#### Accessible Public Water/Sewer:

Wysox Municipal Authority

#### **Electric Service Availability:**

3-Phase Service is available. An existing substation is located just east on Shiner Drive.

#### **Communication - Fiber:**

Not Currently Available.

#### **Natural Gas Service Availability:**

Valley Energy has a 6-inch service line that is adjacent to the site.

#### **Non-Potable Water Source:**

Potential Available Source: Susquehanna River (WWF-MF)

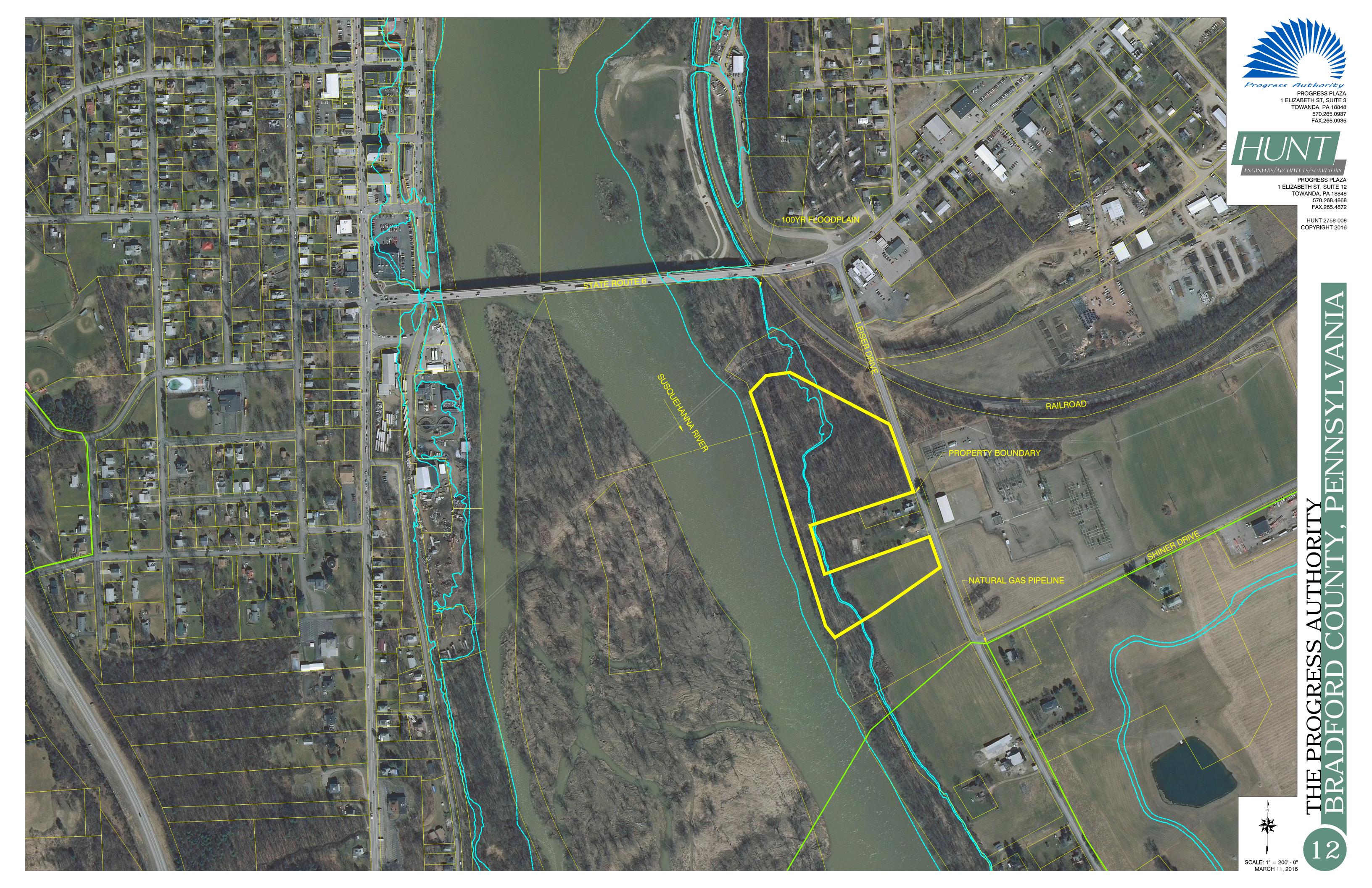
#### **Local Regulations**

- SALDO
  - Yes, Bradford County
- Zoning Ordinance
  - Yes, Wysox Township
- Building Permit Required
  - Yes, Code Inspection Inc.
- Driveway Permit Required
  - Yes, PennDOT Highway Occupancy Permit









# NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this

The **projection** used in the preparation of this map was Pennsylvania State Plane north zone (FIPSZONE 3701). The horizontal datum was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of the FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

NGS Information Services

NOAA, N/NGS12

National Geodetic Survey SSMC-3, #9202

(301) 713-3242

1315 East-West Highway Silver Spring, Maryland 20910-3282

To obtain current elevation, description, and/or location information for bench marks shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at http://www.ngs.noaa.gov.

Base map information shown on this FIRM was provided in digital format by the Pennsylvania Department of Transportation. This information was photogrammetrically compiled at a scale of 1:2,400 from aerial photography dated

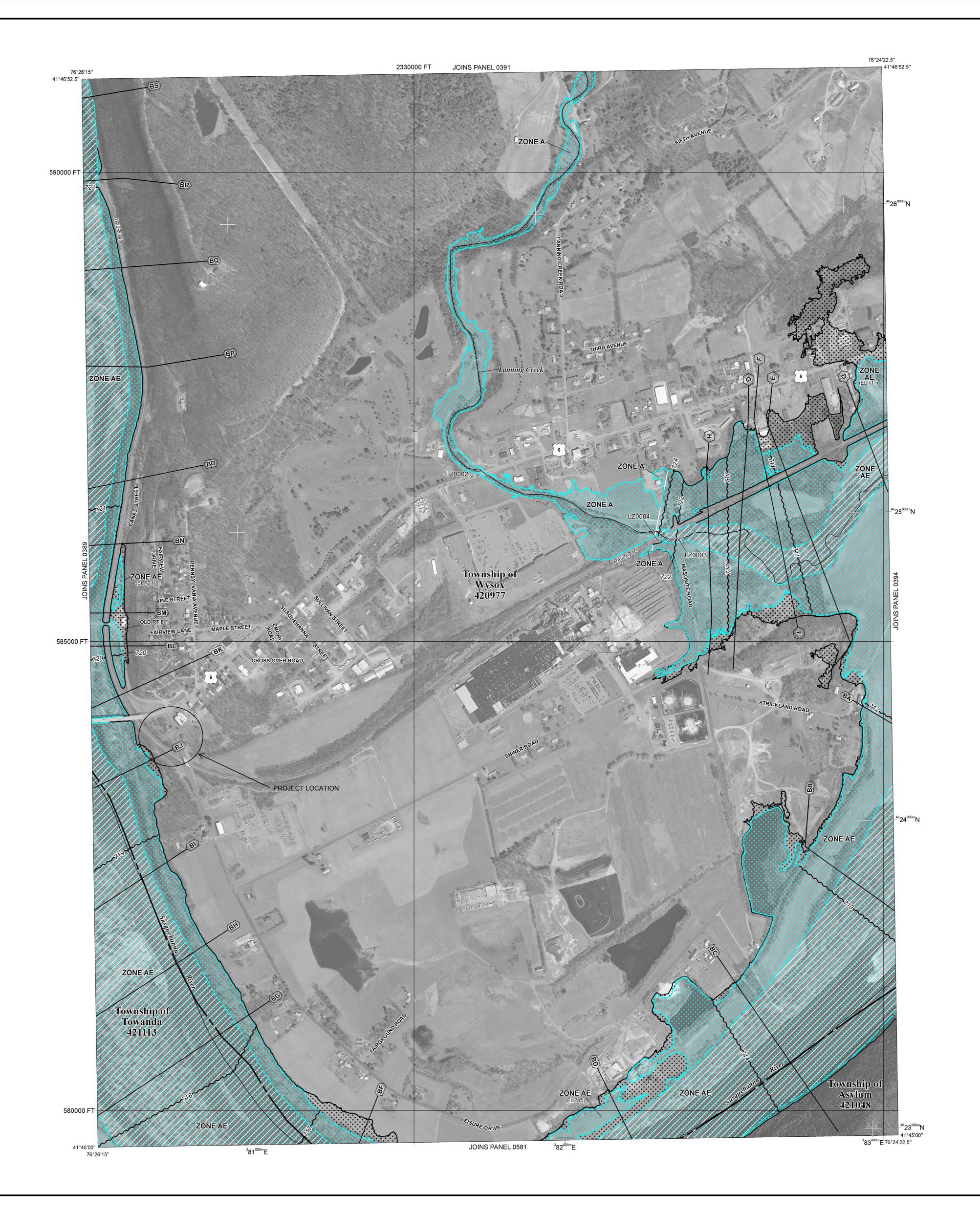
Based on updated topographic information, this map reflects more detailed and up-to-date stream channel configurations and floodplain delineations than those shown on the previous FIRM for this jurisdiction. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map. Also, the road to floodplain relationships for unrevised streams may differ from what is shown on previous maps.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed Map Index for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

For information on available products associated with this FIRM visit the Map Service Center (MSC) website at <a href="http://msc.fema.gov">http://msc.fema.gov</a>. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the MSC website.

If you have questions about this map, how to order products or the National Flood Insurance Program in general, please call the FEMA Map Information eXchange (FMIX) at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip.



# LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface

No Base Flood Elevations determined.

**ZONE AE** Base Flood Elevations determined.

elevation of the 1% annual chance flood.

ZONE AO

ZONE V

ZONE X

ZONE D

**ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined

> Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also

Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.

Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations

Coastal flood zone with velocity hazard (wave action); no Base Flood

Elevations determined.

Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases

OTHER FLOOD AREAS

Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

Areas determined to be outside the 0.2% annual chance floodplain. Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary

0.2% annual chance floodplain boundary

Floodway boundary Zone D boundary

••••• CBRS and OPA boundary

Boundary dividing Special Flood Hazard Area Zones and

-boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities. Limit of Moderate Wave Action

~~~ 513 ~~~ Base Flood Elevation line and value; elevation in feet\*

Base Flood Elevation value where uniform within zone; elevation in feet\* \* Referenced to the North American Vertical Datum of 1988

Cross section line

23)-----23

Geographic coordinates referenced to the North American 87°07'45", 32°22'30''

Datum of 1983 (NAD 83), Western Hemisphere 1000-meter Universal Transverse Mercator grid values, zone

600000 FT 5000-foot grid values: Pennsylvania State Plane coordinate system, North zone (FIPSZONE 3701), Lambert Conformal Conic

Bench mark (see explanation in Notes to Users section of this

■ M1.5 River Mile

置

DX5510 🗸

MAP REPOSITORIES

Refer to listing of Map Repositories on Map Index EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP

October 16, 2014 EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.



# PANEL 0393E

# **FIRM**

# FLOOD INSURANCE RATE MAP

BRADFORD COUNTY, PENNSYLVANIA

(ALL JURISDICTIONS)

PANEL 393 OF 840 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

NUMBER PANEL SUFFIX

ASYLUM, TOWNSHIP OF TOWANDA. TOWNSHIP OF WYSOX, TOWNSHIP OF

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the



MAP NUMBER 42015C0393E

**EFFECTIVE DATE OCTOBER 16, 2014** 

Federal Emergency Management Agency



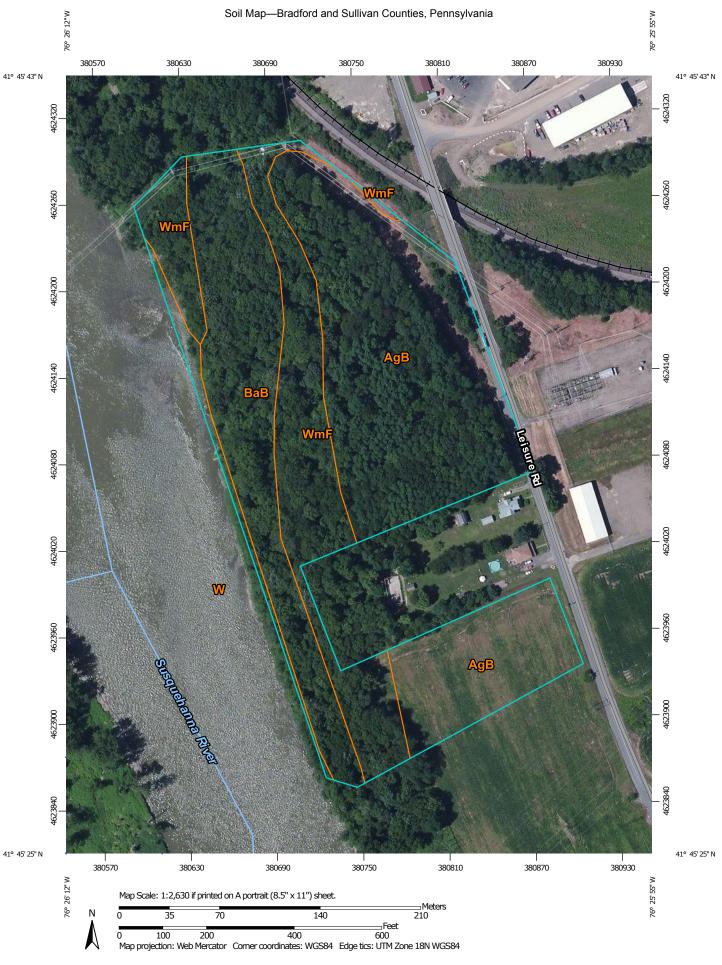
## **Progress Authority**

Feb 19, 2016

# R2USH Freshwater Emergent Freshwater Forested/Shrub Estuarine and Marine Deepwater Estuarine and Marine Freshwater Pond Lake Riverine Other

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapner web site.

**User Remarks:** 



#### MAP LEGEND

#### Area of Interest (AOI)

Area of Interest (AOI)

#### Soils

Soil Map Unit Polygons



Soil Map Unit Points

#### Special Point Features

Blowout

■ Borrow Pit

Clay Spot

Closed Depression

Gravel Pit

Gravelly Spot

Landfill

▲ Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

Saline Spot

Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

#### J\_...

Stony Spot

Spoil Area

Nery Stony Spot

Wet Spot

Other

Special Line Features

#### **Water Features**

Streams and Canals

#### Transportation

→ Rails

Interstate Highways

US Routes

Major Roads

Local Roads

#### Background

Aerial Photography

#### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Bradford and Sullivan Counties, Pennsylvania Survey Area Data: Version 10, Nov 15, 2015

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 14, 2011—Sep 18, 2011

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.



# **Map Unit Legend**

| Bradford and Sullivan Counties, Pennsylvania (PA610) |                                                         |              |                |  |
|------------------------------------------------------|---------------------------------------------------------|--------------|----------------|--|
| Map Unit Symbol                                      | Map Unit Name                                           | Acres in AOI | Percent of AOI |  |
| AgB                                                  | Alton gravelly sandy loam, 0 to 8 percent slopes        | 8.6          | 51.1%          |  |
| ВаВ                                                  | Braceville silt loam, 0 to 8 percent slopes             | 3.9          | 23.3%          |  |
| W                                                    | Water                                                   | 0.4          | 2.5%           |  |
| WmF                                                  | Wyoming gravelly sandy loam,<br>25 to 45 percent slopes | 3.9          | 23.1%          |  |
| Totals for Area of Interest                          |                                                         | 16.9         | 100.0%         |  |

# 1. PROJECT INFORMATION

Project Name: **Progress Authority**Date of review: **2/19/2016 9:35:41 AM**Project Category: **Development,Other** 

Project Area: 20.3 acres

County: **Bradford** Township/Municipality: **Wysox** Quadrangle Name: **TOWANDA** ~ ZIP Code: **18854** Decimal Degrees: **41.760044 N, -76.436574 W** 

Degrees Minutes Seconds: 41° 45' 36^2" N, -76° 26' 11.7" W



# 2. SEARCH RESULTS

| Agency                                              | Results         | Response                   |
|-----------------------------------------------------|-----------------|----------------------------|
| PA Game Commission                                  | No Known Impact | No Further Review Required |
| PA Department of Conservation and Natural Resources | No Known Impact | No Further Review Required |
| PA Fish and Boat Commission                         | No Known Impact | No Further Review Required |
| U.S. Fish and Wildlife Service                      | No Known Impact | No Further Review Required |

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate no known impacts to threatened and endangered species and/or special concern species and resources within the project area. Therefore, based on the information you provided, no further coordination is required with the jurisdictional agencies. This response does not reflect potential agency concerns regarding impacts to other ecological resources, such as wetlands.

# 3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are **valid for two years** (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jurisdictional agencies **strongly advise against** conducting surveys for the species listed on the receipt prior to consultation with the agencies.

#### **PA Game Commission**

**RESPONSE:** No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

# **PA Department of Conservation and Natural Resources**

**RESPONSE:** No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

# **PA Fish and Boat Commission**

**RESPONSE:** No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

# U.S. Fish and Wildlife Service

**RESPONSE:** No impacts to <u>federally</u> listed or proposed species are anticipated. Therefore, no further consultation/coordination under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.* is required. Because no take of federally listed species is anticipated, none is authorized. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

# 4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. For cases where a "Potential Impact" to threatened and endangered species has been identified before the application has been submitted to DEP, the application should not be submitted until the impact has been resolved. For cases where "Potential Impact" to special concern species and resources has been identified before the application has been submitted, the application should be submitted to DEP along with the PNDI receipt. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. DEP and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <a href="http://www.naturalheritage.state.pa.us">http://www.naturalheritage.state.pa.us</a>.

## 5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

#### 6. AGENCY CONTACT INFORMATION

#### PA Department of Conservation and **Natural Resources**

Bureau of Forestry, Ecological Services Section 400 Market Street, PO Box 8552, Harrisburg, PA. 17105-8552

Fax:(717) 772-0271

Company/Business Name:

Name:

Address: City, State, Zip:\_

Phone:( )

## U.S. Fish and Wildlife Service

Pennsylvania Field Office 110 Radnor Rd; Suite 101, State College, PA 16801 NO Faxes Please.

#### PA Fish and Boat Commission

Division of Environmental Services 450 Robinson Lane, Bellefonte, PA. 16823-7437 **NO Faxes Please** 

#### **PA Game Commission**

Bureau of Wildlife Habitat Management Division of Environmental Planning and Habitat Protection 2001 Elmerton Avenue, Harrisburg, PA. 17110-9797 Fax:(717) 787-6957

# 7. PROJECT CONTACT INFORMATION

| ) is true, accurate and complete | e. In addition, if the project                                                                                        |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                  | were asked during this                                                                                                |
| date                             |                                                                                                                       |
| 9                                | in this receipt (including projects) is true, accurate and complete answers to any questions that rironmental review. |

Fax:(