

1. PROJECT INFORMATION

Project Name: **Adelphia Gateway Project**

Date of Review: **4/8/2020 02:24:43 PM**

Project Category: **Energy Storage, Production, and Transfer, Energy Transfer, Pipeline (e.g., gas, oil) -- NEW (construction of new line in a new location)**

Project Area: **57.95 acres**

County(s): **Bucks; Chester; Delaware; Montgomery; Northampton**

Watersheds HUC 8: **Brandywine-Christina; Lower Delaware; Middle Delaware-Musconetcong; Schuylkill**

Watersheds HUC 12: **Buckhorn Creek-Delaware River; Chester Creek; East Branch Perkiomen Creek; Lower French Creek; Lower Perkiomen Creek; Mingo Creek-Schuylkill River; Oldmans Creek-Delaware River; Repaupo Creek-Delaware River; Ridley Creek; Upper Tohickon Creek; Valley Creek**

Decimal Degrees: **39.814704, -75.438251**

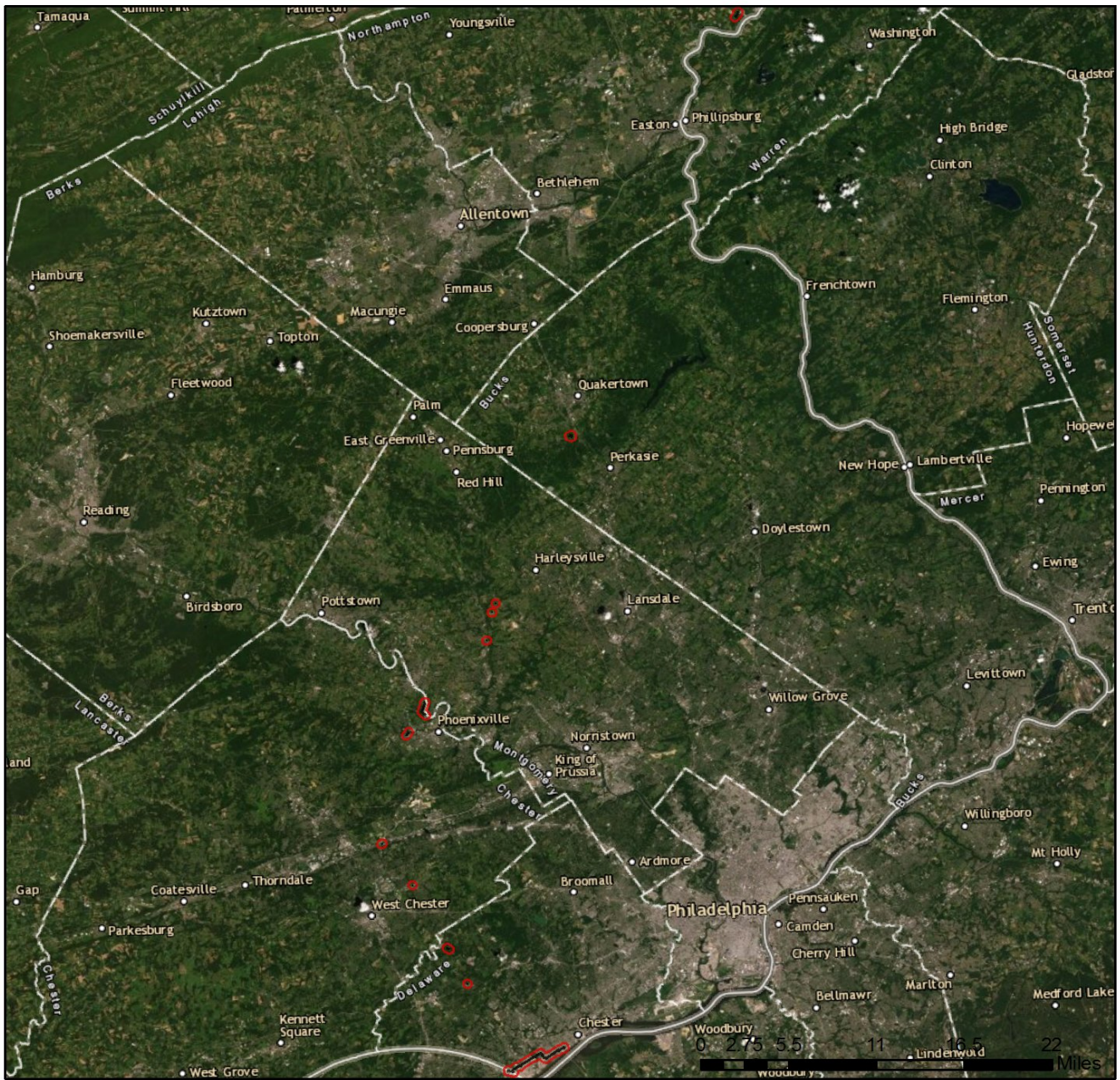
Degrees Minutes Seconds: **39° 48' 52.9326" N, 75° 26' 17.7035" W**



2. SEARCH RESULTS - LARGE PROJECT

Agency	Results	Response
PA Game Commission	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
PA Department of Conservation and Natural Resources	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
PA Fish and Boat Commission	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
U.S. Fish and Wildlife Service	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response

Large Project. The project area is greater than 10 miles and/or 5,165 acres and therefore is categorized as a Large Project, and is not analyzed by the PNDI tool. Coordination is therefore required with the four jurisdictional agencies to determine if potential impacts to threatened and endangered and/or special concern species and resources within the project area. Please see the DEP Information section of the receipt if a PA Department of Environmental Protection Permit is required.

Adelphia Gateway Project

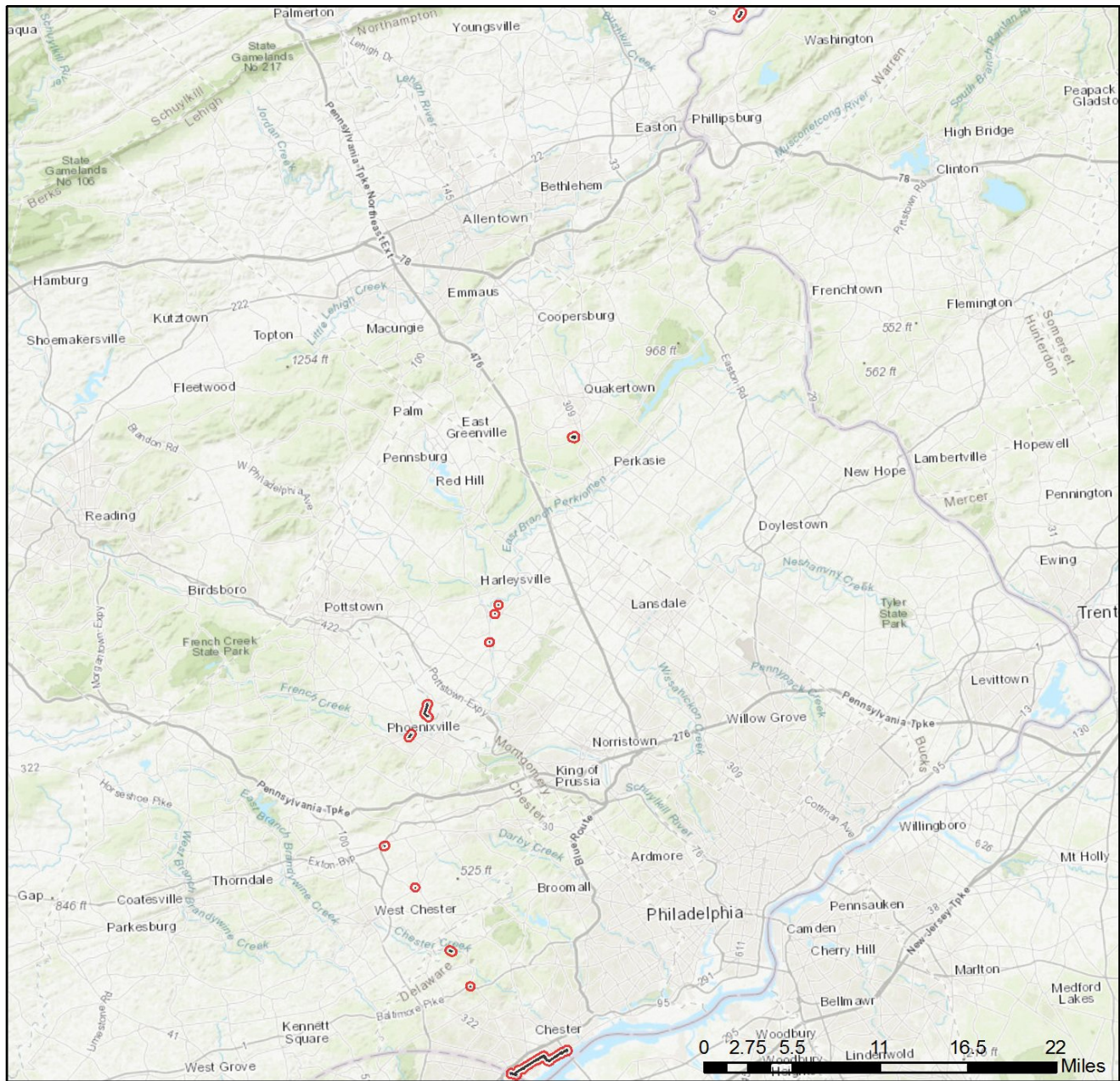


-  Project Boundary
-  Buffered Project Boundary



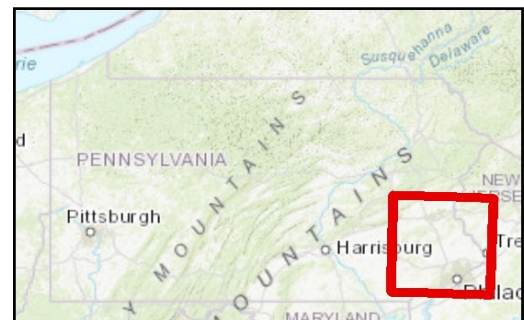
Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
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Adelphia Gateway Project



- Project Boundary
- Buffered Project Boundary

Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
 Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS,



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:

Further review of this project is necessary to resolve the potential impact(s). Please send project information to this agency for review (see WHAT TO SEND).

PA Department of Conservation and Natural Resources

RESPONSE:

Further review of this project is necessary to resolve the potential impact(s). Please send project information to this agency for review (see WHAT TO SEND).

PA Fish and Boat Commission

RESPONSE:

Further review of this project is necessary to resolve the potential impact(s). Please send project information to this agency for review (see WHAT TO SEND).

U.S. Fish and Wildlife Service

RESPONSE:

Further review of this project is necessary to resolve the potential impact(s). Please send project information to this agency for review (see WHAT TO SEND).

WHAT TO SEND TO JURISDICTIONAL AGENCIES

If project information was requested by one or more of the agencies above, upload* or email* the following information to the agency(s). Instructions for uploading project materials can be found [here](#). This option provides the applicant with the convenience of sending project materials to a single location accessible to all three state agencies. Alternatively, applicants may email or mail their project materials (see AGENCY CONTACT INFORMATION).

***Note:** U.S.Fish and Wildlife Service requires applicants to mail project materials to the USFWS PA field office (see AGENCY CONTACT INFORMATION). USFWS will not accept project materials submitted electronically (by upload or email).

Check-list of Minimum Materials to be submitted:

___ Project narrative with a description of the overall project, the work to be performed, current physical characteristics of the site and acreage to be impacted.

___ A map with the project boundary and/or a basic site plan (particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)

In addition to the materials listed above, USFWS REQUIRES the following

___ **SIGNED** copy of a Final Project Environmental Review Receipt

The inclusion of the following information may expedite the review process.

___ Color photos keyed to the basic site plan (i.e. showing on the site plan where and in what direction each photo was taken and the date of the photos)

___ Information about the presence and location of wetlands in the project area, and how this was determined (e.g., by a qualified wetlands biologist), if wetlands are present in the project area, provide project plans showing the location of all project features, as well as wetlands and streams.

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. Two review options are available to permit applicants for handling PNDI coordination in conjunction with DEP's permit review process involving either T&E Species or species of special concern. Under sequential review, the permit applicant performs a PNDI screening and completes all coordination with the appropriate jurisdictional agencies prior to submitting the permit application. The applicant will include with its application, both a PNDI receipt and/or a clearance letter from the jurisdictional agency if the PNDI Receipt shows a Potential Impact to a species or the applicant chooses to obtain letters directly from the jurisdictional agencies. Under concurrent review, DEP, where feasible, will allow technical review of the permit to occur concurrently with the T&E species consultation with the jurisdictional agency. The applicant must still supply a copy of the PNDI Receipt with its permit application. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. The applicant and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <https://conservationexplorer.dcnr.pa.gov/content/resources>.

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
Email: RA-HeritageReview@pa.gov

PA Fish and Boat Commission

Division of Environmental Services
595 E. Rolling Ridge Dr., Bellefonte, PA 16823
Email: RA-FBPACENOTIFY@pa.gov

U.S. Fish and Wildlife Service

Pennsylvania Field Office
Endangered Species Section
110 Radnor Rd; Suite 101
State College, PA 16801
Email: IR1_ESPenn@fws.gov
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
Email: RA-PGC_PNDI@pa.gov
NO Faxes Please

7. PROJECT CONTACT INFORMATION

Name: Sara Holmes
Company/Business Name: NV5, LLC
Address: 813 N. Dupont St.
City, State, Zip: Wilmington, DE 19805
Phone: (727) 565-9895 Fax: ()
Email: sara.holmes@nv5.com

8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.

Sara Holmes
applicant/project proponent signature

05/22/20
date

April 14, 2020

PNDI Number: 707670
Version: Final_1; 4/08/20

Sara Holmes
NV5

813 North Dupont St.
Wilmington, DE 19805
Email: sara.holmes@nv5.com (hard copy will not follow)

Re: Adelpia Gateway Project
Buck, Chester, Delaware, Montgomery, Northampton, PA

Dear Ms. Holmes,

Thank you for the submission of the Pennsylvania Natural Diversity Inventory (PNDI) Environmental Review Receipt Number **707670 (Final_1)** for review. PA Department of Conservation and Natural Resources screened this project for potential impacts to species and resources under DCNR's responsibility, which includes plants, terrestrial invertebrates, natural communities, and geologic features only.

No Impact Anticipated

PNDI records indicate species or resources under DCNR's jurisdiction are located in the vicinity of the project. However, based on the information you submitted concerning the nature of the project, the immediate location, and our detailed resource information, DCNR has determined that no impact is likely. No further coordination with our agency is needed for this project.

This response represents the most up-to-date review of the PNDI data files and is valid for two (2) years only. If project plans change or more information on listed or proposed species becomes available, our determination may be reconsidered. Should the proposed work continue beyond the period covered by this letter and a permit has not been acquired, please resubmit the project to this agency as an "Update" (including an updated PNDI receipt, project narrative, description of project changes and accurate map). As a reminder, this finding applies to potential impacts under DCNR's jurisdiction only. Visit the PNHP website for directions on contacting the Commonwealth's other resource agencies for environmental review.

Should you have any questions or concerns, please contact Alexander Dogonniuck, Ecological Information Specialist, by phone (717-783-3913) or via email (c-adogonni@pa.gov).

Sincerely



Greg Podnieszinski, Section Chief
Natural Heritage Section



Pennsylvania Fish & Boat Commission

Division of Environmental Services

Natural Gas Section
595 E Rolling Ridge Dr.
Bellefonte, PA 16823

May 7, 2020

IN REPLY REFER TO
SIR# 52837

NV5
Sara Holmes
813 N. Dupont Street
Wilmington, Delaware 19805

**RE: Species Impact Review (SIR) – Rare, Candidate, Threatened and Endangered Species
PNDI Search No. 707670_1
Adelphia Gateway Project
BUCKS County: - CHESTER County: - DELAWARE County: - MONTGOMERY
County: - NORTHAMPTON County:**

Dear Sara Holmes:

This responds to your inquiry about a Pennsylvania Natural Diversity Inventory (PNDI) Internet Database search “potential conflict” or a threatened and endangered species impact review. These projects are screened for potential conflicts with rare, candidate, threatened or endangered species under Pennsylvania Fish & Boat Commission jurisdiction (fish, reptiles, amphibians, aquatic invertebrates only) using the PNDI database and our own files. These species of special concern are listed under the Endangered Species Act of 1973, the Wild Resource Conservation Act, and the Pennsylvania Fish & Boat Code (Chapter 75), or the Wildlife Code.

This project has been previously reviewed in multiple phases and identified the Eastern Redbelly Turtle (Now Referred to as Northern Red-bellied Cooter) as potential conflicts. The applicant had previously submitted a habitat assessment at multiple areas. **Based on the habitat assessment further recommendations were made limited to the Schuylkill River site.**

Northern Red-bellied Cooter (*Pseudemys rubriventris*, PA threatened)

Based on our review of this project, the project site (**Schuylkill River Site**) contains accessible potential nesting habitat for the Northern Red-bellied Cooter. The following measures will be necessary in order to avoid impacts to Northern Red-bellied Cooters during the construction of this project:

1) A silt fence barrier should be placed at the edge of the proposed area of disturbance, in between the waterway and the work area, to prevent turtles from accessing active work zones in the segments that were determined to be potential habitat. This fence should be installed during the inactive

Our Mission:

www.fish.state.pa.us

To protect, conserve and enhance the Commonwealth's aquatic resources and provide fishing and boating opportunities.

period of the turtle (October 15-April 15) so that active turtles or their nests do not get trapped in the work zone. Please note that silt socks do not provide a sufficient barrier to turtle movements; a fence must be used and buried into the substrate to prevent access by turtles.

2) Any turtle found on site should be relocated to the nearest aquatic habitat. Additionally, the PFBC must be contacted within 48 hours of the find.

Super silt fence is requested at the Schuylkill River site, in between the area adjacent to the Schuylkill River and the valve/blowdown site to prevent turtles from entering the impacted area. Should permit(s) issuance preclude the fence to be installed during the inactive season, a qualified biologist must be on-site to conduct a clearance survey prior to installation.

As an alternative avoidance measure, the project could strictly limit construction at the Schuylkill River site to the turtle's inactive season (**October 15 to April 15**) and the above measures are not necessary.

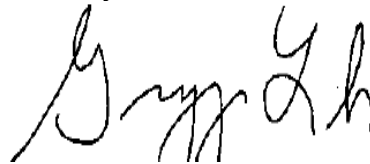
If the potential habitat areas can be fenced as recommended and provided that best management practices are employed, and strict erosion and sedimentation measures are maintained, I do not foresee any adverse impacts to Northern Red-bellied Cooter from the proposed project.

Areas outside of the Schuylkill River site, including but not limited to the Martins Creek station, Quakertown station, new pipeline laterals, and multiple meter stations, valve sites, and blowdown areas, either have no special concern species in the vicinity or were determined to not cause significant impact.

This response represents the most up-to-date summary of the PNDI data and our files and is valid for two (2) years from the date of this letter. An absence of recorded species information does not necessarily imply species absence. Our data files and the PNDI system are continuously being updated with species occurrence information. Should project plans change or additional information on listed or proposed species become available, this determination may be reconsidered, and consultation shall be re-initiated.

If you have any questions regarding this review, please contact Greg Lech at 610-847-8772 and refer to the SIR # 52837. Thank you for your cooperation and attention to this important matter of species conservation and habitat protection.

Sincerely,



Greg Lech
Natural Gas Section

GPL/dn



COMMONWEALTH OF PENNSYLVANIA PENNSYLVANIA GAME COMMISSION

2001 Elmerton Avenue
Harrisburg, PA 17110-9797

Wildlife Habitat Management
717-787-6818

May 15, 2020

PGC ID Number: 201706150601

Ms. Sara Holmes
NV5
813 North Dupont Street
Wilmington, Delaware 19805
Sara.holmes@nv5.com

Re: *Adelphia, LLC* - Adelphia Gateway Project
PNDI Receipt File: *project_receipt_adelphia_gateway_project_707670_FINAL_1.pdf*
Multiple Townships, Bucks, Chester, Delaware, Montgomery and Northampton Counties,
Pennsylvania

Dear Ms. Holmes,

Thank you for submitting the Pennsylvania Natural Diversity Inventory (PNDI) Environmental Review Receipt File *project_receipt_adelphia_gateway_project_707670_FINAL_1.pdf* for review. The Pennsylvania Game Commission (PGC) screened this project for potential impacts to species and resources of concern under PGC responsibility, which includes birds and mammals only.

It should be noted that the individual project elements that are contained within the current PNDI polygon have been submitted previously for individual PNDI reviews. This current submittal was made by the Applicant in an attempt to have a single PNDI response letter from the PGC covering these project elements.

No Impact Anticipated – PNDI Species

PNDI records indicate species or resources of concern are located within the vicinity of the project. However, based on the information you submitted concerning the nature of the project, the immediate location, and our detailed resource information, the PGC has determined that no impact is likely. Therefore, no further PNDI coordination with the PGC will be necessary for this project at this time.

This response represents the most up-to-date summary of the PNDI data files and is valid for two (2) years from the date of this letter. An absence of recorded information does not necessarily imply actual conditions on site. Should project plans change or additional information on listed or proposed species become available, this determination may be reconsidered.

Should the proposed work continue beyond the period covered by this letter, please resubmit the project to this agency as an "Update" (including an updated PNDI receipt, project narrative and accurate map). If the proposed work has not changed and no additional information concerning listed species is found, the project will be cleared for PNDI requirements under this agency for two additional years.

This finding applies to impacts to birds and mammals only. To complete your review of state and federally-listed threatened and endangered species and species of special concern, please be sure that the U.S. Fish and Wildlife Service, the PA Department of Conservation and Natural Resources, and/or the PA Fish and Boat Commission have been contacted regarding this project as directed by the online PNDI ER Tool found at www.naturalheritage.state.pa.us.

Please be sure to include the above-referenced PGC ID Number on any future correspondence with the PGC regarding this project.

Sincerely,



Olivia A. Braun
Environmental Planner
Division of Environmental Planning & Habitat Protection
Bureau of Wildlife Habitat Management
Phone: 717-787-4250, Extension 3128
Fax: 717-787-6957
E-mail: Olbraun@pa.gov

A PNHP Partner



OAB/oab

cc: H:\OIL&GAS_PNDI_Reviews\Southeast Region

U.S. FISH AND WILDLIFE SERVICE
110 Radnor Road, Suite 101, State College, PA 16801

This responds to your inquiry about a PNDI Internet Database search that resulted in a potential conflict with a federally listed, proposed or candidate species.

PROJECT LOCATION INFORMATION

County: Bucks; Chester; Delaware; Montgomery; Northampton
Township: Multiple

MISC INFORMATION

Date received by FWS: 6/3/2020
 ACTIVE ARCHIVE

USFWS COMMENTS EMAILED MAILED

Email: Sara.Holmes@nv5.com

To: Sara Holmes

Affiliation: NV5

SPECIFIC PROJECT Adelphia Gateway Pipeline Improvements

- Other than occasional transient species, no federally listed species under our jurisdiction is known or likely to occur in the project area. This determination is valid for two years. Should project plans change, or if additional information on listed species become available, this determination may be reconsidered.
- It appears there have been no changes in the project or on-site biological information; therefore, the agency's comments, as detailed in our letter of 9/10/19 remain unchanged.
- We have already provided comments on this project (See PNDI Receipt); therefore, no further correspondence will be sent by this agency. If there is a change in the project, please re-screen the project on-line, and contact this office if the PNDI receipt directs you to do so.

The above determination is valid for two years from the date of this letter. In addition, this response relates only to federally listed, proposed, and candidate species under our jurisdiction, based on an office review of the proposed project's location and anticipated impacts. No field inspection of the project area has been conducted by this office. Consequently, comments on this form are not to be construed as addressing other Service concerns under the Fish and Wildlife Coordination Act or other authorities. *Please reference the above PNDI # and USFWS Project # in any future correspondence regarding this project.*

This review was conducted by the biologist listed below. He/she can be contacted at 814-206-(Extension).

- | | | |
|---|--|--|
| <input type="checkbox"/> Melinda Turner (x7449) | <input type="checkbox"/> Nicole Ranalli (x7455) | <input type="checkbox"/> Jennifer Kagel (x7451) |
| <input type="checkbox"/> Richard Novak (x7477) | <input type="checkbox"/> Alison Whitlock (x7461) | <input checked="" type="checkbox"/> Robert Anderson x7447) |

SONJA
JAHRSDOERFER
Digitally signed by SONJA JAHRSDOERFER
Date: 2020.06.18 16:22:15 -04'00'

SIGNATURE: _____
Supervisor, Pennsylvania Field Office



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Pennsylvania Field Office
110 Radnor Road, Suite 101
State College, Pennsylvania 16801-4850

September 10, 2019

Sara Holmes
NV5
1315 Walnut Street, Suite 900
Philadelphia, PA 19107

RE: USFWS Project #2017-1465
PNDI Review #multiple

Dear Ms. Holmes:

This responds to your letters of August 17 and 18, 2018; May 22, 2019, and an electronic mail message of August 23, 2019, all of which provided the U.S. Fish and Wildlife Service (Service) with information regarding the Adelpia Gateway project located in Northampton, Bucks, Montgomery, Chester, and Delaware Counties, Pennsylvania. The project area is within the known range of the bog turtle (*Clemmys muhlenbergii*), a species that is federally listed as threatened. 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.

In our letter of May 7, 2019, we agreed with habitat survey results in wetlands that are in proximity to five project sites associated with the Adelpia Gateway project. Further, we concurred with the conservation measures proposed at two sites, referred to as “Paoli Pike Gate Blowdown” and “Chester Creek Gate Blowdown”, would likely avoid adverse effects to bog turtles, if present, in nearby potential habitat. In that correspondence we neglected to consider habitat information at an additional site, called the “Quakertown Compressor Station” discussed below. Your letter of May 22, 2019, provided additional habitat information at the “Tilghman Lateral” and “Parkway Lateral” now considered due to a change in the project alignment.

Quakertown Compressor Station

To determine the potential effects of the proposed project on bog turtles and their habitat, Scott Angus, a recognized qualified bog turtle surveyor, conducted a Phase 1 bog turtle habitat survey on December 17, 2017. Following the methods described under “Bog Turtle Habitat Survey” (Phase 1 survey) of the Guidelines for Bog Turtle Surveys (revised April 2006), Mr. Angus determined that, the subject wetlands (referred to as “Wetland WA” does not have the

combination of soils, vegetation, and hydrology typical of habitat occupied by bog turtles. We agree with this habitat determination.

Tilghman Lateral and Parkway Lateral

To determine the potential effects of the proposed project on bog turtles and their habitat, Scott Angus conducted Phase 1 bog turtle habitat assessments in December 2017 and April 2018. No suitable habitat was found. Moreover, the Tilghman Lateral and Parkway Lateral are not in the current range of the bog turtle and will have no effect on this species.

Summary

Two proposed project sites (Paoli Pike Gate Blowdown and Chester Creek Gate Blowdown) are in proximity to identified potential bog turtle habitat. As described in our letter of May 7, 2019, you previously agreed to either a time-of-year restriction or a pre-construction survey associated with this project. With implementation of either the time-of-year restriction or pre-construction survey, the Adelphia Gateway project is not likely to adversely affect the bog turtle, or other federally listed or proposed species. If you are unable to implement the species avoidance measures, or if project plans change, further consultation with the Service will be required, pursuant to the Endangered Species Act.

If the Phase 1 habitat assessments did not include all wetlands in all areas that will be directly or indirectly affected by the proposed project and project-associated features (e.g., roads, utility lines, stormwater and sedimentation basins, staging or access areas), expand the scope of the Phase 1 survey to include these areas. If any wetlands are located, submit the results of the expanded wetland and Phase 1 investigation to our office for review so that we can confirm whether the above determination is still valid.

This response relates only to endangered and threatened species under our jurisdiction, and is not to be construed as addressing potential Service concerns under the Fish and Wildlife Coordination Act or other authorities. This determination is valid for 2 years from the date of this letter. If the proposed project has not been fully implemented prior to this, an additional review by this office will be necessary.

To avoid potential delays in reviewing your project, please use the above-referenced USFWS project tracking number in any future correspondence regarding this project.

If you have any questions regarding this matter, please contact Robert Anderson of my staff at 814-206-7447.

Sincerely,



Sonja Jahrsdoerfer
Project Leader