



Division of Environmental
Planning and Habitat
Protection
717-783-5957

COMMONWEALTH OF PENNSYLVANIA
Pennsylvania Game Commission

2001 ELMERTON AVENUE
HARRISBURG, PA 17110-9797

*"To manage all wild birds, mammals and their habitats
for current and future generations."*

ADMINISTRATIVE BUREAUS:

| | |
|---------------------------------------|--------------|
| ADMINISTRATION..... | 717-787-5670 |
| HUMAN RESOURCES..... | 717-787-7836 |
| FISCAL MANAGEMENT..... | 717-787-7314 |
| CONTRACTS AND PROCUREMENT..... | 717-787-6594 |
| LICENSING..... | 717-787-2084 |
| OFFICE SERVICES..... | 717-787-2116 |
| WILDLIFE MANAGEMENT..... | 717-787-5529 |
| INFORMATION & EDUCATION..... | 717-787-6286 |
| WILDLIFE PROTECTION..... | 717-783-6526 |
| WILDLIFE HABITAT MANAGEMENT..... | 717-787-6818 |
| REAL ESTATE DIVISION..... | 717-787-6568 |
| AUTOMATED TECHNOLOGY SERVICES..... | 717-787-4076 |

www.pgc.state.pa.us

September 3, 2015

PGC ID Number: 201508270201

Natalie Shearer
AECOM
Foster Plaza 6
681 Anderson Drive, Suite 400
Pittsburgh, PA 15220
natalie.shearer@aecom.com

Re: Shell Pipeline Company, LP – Northeast Ethane Pipeline
Large Project PNDI Review
Beaver, Allegheny, & Washington Counties, PA

Dear Ms. Shearer,

Thank you for submitting your Pennsylvania Natural Diversity Inventory (PNDI) Large Project Environmental Review request. 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.

Potential Impact Anticipated

PNDI records indicate species or resources of concern are located in the vicinity of the project. The PGC has received and thoroughly reviewed the information that you provided to this office as well as PNDI data, and has determined that potential impacts to threatened, endangered, and species of special concern may be associated with your project. Therefore, additional measures are necessary to avoid potential impacts to the species listed below:

| Scientific Name | Common Name | PA Status |
|----------------------------------|-------------------|-----------------|
| <i>Asio flammeus</i> | Short-eared Owl | ENDANGERED |
| <i>Circus cyaneus</i> | Northern Harrier | THREATENED |
| <i>Lasionycteris noctivagans</i> | Silver-haired Bat | SPECIAL CONCERN |

Next Steps

Short-eared Owl

- Short-eared Owl Survey – Portions of the proposed project is located in areas with known occurrences of state listed short-eared owls. In order to determine if short-eared owls are present on or in the immediate vicinity of the project, a short-eared owl presence/absence survey must be completed on the areas of the project identified in the attached *PGC*

Survey Area Map (shapefiles can be provided upon request). Surveys should follow the methods found in the attached *PGC Short-eared Owl Presence/Absence Survey Protocol*. Please provide a draft short-eared owl survey plan for PGC review and approval prior to implementation. The results of the short-eared owl survey should be provided to the PGC by December 31 of the year the survey was conducted.

Northern Harrier

- Northern Harrier Survey – Portions of the proposed project is located in areas with known occurrences of state listed northern harriers. In order to determine if northern harriers are present on or in the immediate vicinity of the project, a northern harrier presence/absence survey must be completed on the areas of the project identified in the attached *PGC Survey Area Map* (shapefiles can be provided upon request). Surveys should follow the methods found in the attached *PGC Northern Harrier Presence/Absence Survey Protocol*. Please provide a draft northern harrier survey plan for PGC review and approval prior to implementation. The results of the northern harrier survey should be provided to the PGC by December 31 of the year the survey was conducted.

The PGC is also recommending that Shell Pipeline Company, LP use the following seed mix within areas identified in the PGC Survey Area Map to ensure the establishment of beneficial herbaceous habitat for grassland species post-construction:

| Species | Common Name | Seed/Acre | Percent Live Seed |
|------------------------------------------|------------------|-----------|-------------------|
| <i>Avena sativa – spring planting</i> | annual oats | 30lb | |
| <i>Lolium multiflorum- fall planting</i> | annual ryegrass | 10lb | |
| <i>Schizachyrium scoparium</i> | little bluestem | 4 lbs | 10-67 |
| <i>Sorghastrum nutans</i> | indian-grass | 2 lbs | 10-50 |
| <i>Bouteloua curtipendula</i> | side-oats grama | 1 lb | 5-25 |
| <i>Panicum virgatum</i> | switchgrass | 1 lb | 10-12 |
| <i>Rudbeckia triloba plus another*</i> | black-eyed susan | ¼ lb | 1-5, each |
| <i>Coreopsis tripteris</i> | tall tickseed | 1 oz | 1-5 |
| <i>Chasmanthium latifolium</i> | sea-oats | 1lb | 1-30 |
| Straw Mulch – NO HAY | | | |

**Rudbeckia triloba* plus another *Rudbeckia* sp. that is appropriate for site conditions

Conservation Measures

Silver-haired bats are a species of special concern, and therefore, not a target species for additional surveys. However, because of their ecological significance the following seasonal restriction is suggested to avoid potential impacts to roosting silver-haired bats:

- All trees or dead snags greater than 5 inches in diameter at breast height that need to be harvested to facilitate the project (including any access roads or off-ROW work spaces) should be cut between November 1st and March 31st.

National Wetland Inventory Mapping (NWI) and/or aerial photos suggest that wetlands are located within the project area. The PGC is requesting that the final project avoid, or at least minimize to the greatest practical extent, any adverse impacts to these resources and their associated wildlife habitat.

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 the PGC at the following address as an "Update" (including an updated PNDI receipt, project narrative and accurate map):

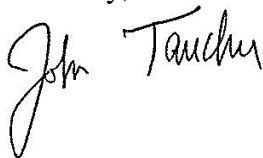
PA Game Commission
Bureau of Wildlife Habitat Management
Division of Environmental Planning & Habitat Protection
2001 Elmerton Avenue
Harrisburg, PA 17110-9797

If the proposed work has not changed and no additional information concerning listed species is found, the project will be cleared for PNDI requirements by the PGC for an additional 2 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,



John Taucher
Division of Environmental Planning & Habitat Protection
Bureau of Wildlife Habitat Management
Phone: 717-787-4250, Extension 3632
Fax: 717-787-6957
E-mail: jotaucher@pa.gov

A PNHP Partner



JWT/jwt

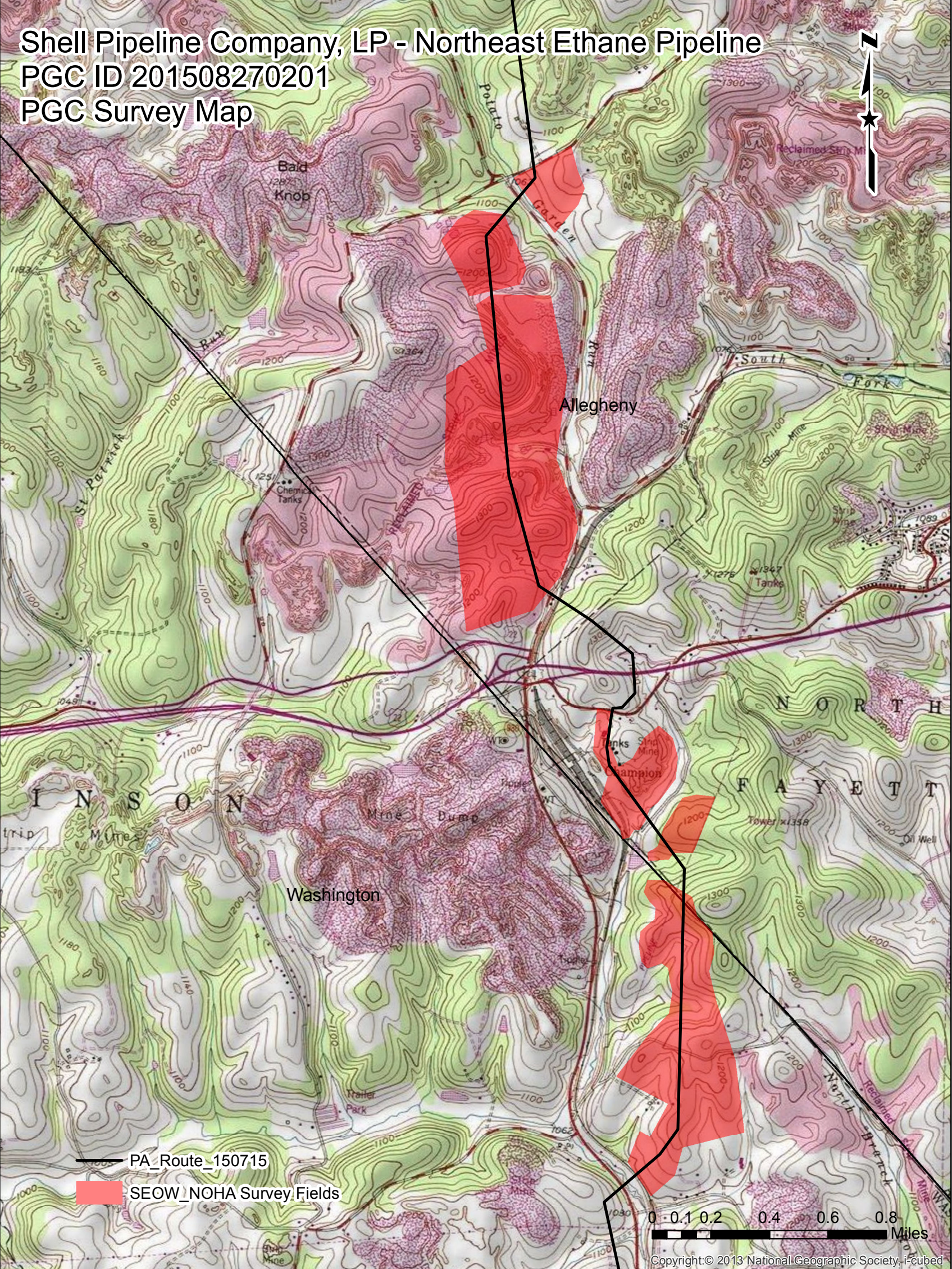
Attachments:

- PGC Survey Area Map
- PGC Short-eared Owl Presence/Absence Survey Protocol
- PGC Northern Harrier Presence/Absence Survey Protocol

cc: Anderson
Trusso
Brauning
Gross
Barber
Turner
Librandi Mumma
H:\OIL&GAS_PNDI_Reviews\Southwest Region

Shell Pipeline Company, LP - Northeast Ethane Pipeline

PGC ID 201508270201
PGC Survey Map



PA_Route_150715
SEOW_NOHA Survey Fields

