US Army Corps
of Engineers®

Pittsburgh District

Planning and Environmental Branch
William S. Moorhead Federal Building
1000 Liberty Avenue
Pittsburgh, Pennsylvania 15222

Public Notice Date: 15 September 2021
Expiration Date: 29 September 2021

NOTICE OF AVAILABILITY

Draft Environmental Assessment

Central Indiana County Water Authority
Raw Water Reservoir Dredging and Access Road Extension Project
in Indiana County, Pennsylvania

The U.S. Army Corps of Engineers, Pittsburgh District (USACE) is evaluating a Federal funding request for the proposed Central Indiana County Water Authority Raw Water Reservoir Dredging and Access Road Project in White Township, Indiana County, Pennsylvania.

The USACE invites submission of comments on the environmental impact of the approval of the request. The USACE will consider all submissions received before the expiration date of the public comment period. The nature or scope of the proposal may be changed upon consideration of the comments received.

The draft Environmental Assessment and draft Finding of No Significant Impact are available electronically at: https://www.lrp.usace.army.mil/Missions/Planning-Programs-Project-Management/

Comments can be submitted via email to Erin.Stuart@usace.army.mil. Comments must be received by 29 September 2021 to ensure consideration.

DRAFT FINDING OF NO SIGNIFICANT IMPACT

Central Indiana County Water Authority
Raw Water Reservoir Dredging and Access Road Extension Project
White Township, Indiana County, Pennsylvania

The U.S. Army Corps of Engineers, Pittsburgh District (Corps) is presenting an environmental analysis in accordance with the National Environmental Policy Act of 1969, as amended. The DRAFT Environmental Assessment (EA), dated August 2021, for the Central Indiana County Water Authority Raw Water Reservoir Dredging and Access Road Extension Project, located in White Township, Indiana County, Pennsylvania, evaluates potential environmental impacts associated with dredging a raw water reservoir and extending an existing access road to the reservoir proposed for federal funding under the Section 313 program. The Water Resources Development Act (WRDA) of 1992 (Public Law 102-580), as amended, allows the Corps to consider reimbursement for design and/or construction of environmental infrastructure in Pennsylvania.

The DRAFT EA, considered two alternatives for the proposed reservoir dredging and access road. The preferred alternative, ultimately the Proposed Federal Action, includes federal funding for water supply improvements including:

- The dredging of the raw water supply reservoir located on Yellow Creek and extension of the reservoir access road located in White Township, Indiana County.

In addition to the preferred alternative, a "no action" alternative was evaluated. For the preferred alternative, the potential effects to the following resources were evaluated:

Environmental Resource	Minor effect	No effect
Aesthetics	☒	☐
Air quality	☒	☐
Aquatic resources/wetlands	☒	☐
Invasive species	☐	☒
Fish and wildlife habitat	☒	☐
Threatened/Endangered species	☐	☒
Historic properties	☐	☒
Other cultural resources	☐	☒
Floodplains	☒	☐
Hazardous, toxic & radioactive waste	☐	☒
Hydrology	☒	☐
Land use	☐	☒
Navigation	☐	☒
Noise levels	☒	☐

Public infrastructure	☒	☐
Socio-economics	☐	☒
Environmental justice	☐	☒
Soils	☐	☒
Tribal trust resources	☐	☒
Water quality	☒	☐
Climate change	☐	☒
Child health and safety	☐	☒

Pursuant to section 7 of the Endangered Species Act of 1973, as amended, the Corps determined that the preferred alternative will have no effect on federal listed threatened or endangered species or on designated critical habitat.

Pursuant to section 106 of the National Historic Preservation Act of 1966, as amended, the Corps subsequently determined that the Proposed Federal Action has no effect on historic or cultural resources. A letter dated 2 September 20 from the Pennsylvania State Historic Preservation Office stated that the proposed project will have no effect on historic properties.

A 15-day public comment period will occur from 15 September 2021 to 29 September 2021. The Corps will consider all submissions received before the expiration date of the public comment period. The nature or scope of the proposal may change upon consideration of the comments received. If significant effects on the quality of the human environment are identified during public comment which cannot be mitigated, the Corps will initiate an Environmental Impact Statement (EIS), and afford all of the appropriate public participation opportunities attendant to an EIS.

After having carefully evaluated all aspects of the Proposed Federal Action and based on the draft EA, I have reasonably concluded that the Proposed Federal Action does not constitute a major federal action significantly affecting the quality of the human environment. Therefore, an environmental impact statement is not required and will not be prepared.

_____
Date

_____
ADAM J. CZEKANSKI
COLONEL, Corps of Engineers
District Commander

THE CENTRAL INDIANA COUNTY WATER AUTHORITY

Indiana County, Pennsylvania

RAW WATER RESERVOIR DREDGING AND ACCESS ROAD EXTENSION PROJECT

UNIFORM ENVIRONMENTAL REPORT

OCTOBER 2020
Revised: January 29, 2021
Revised: May 7, 2021
Revised: June 28, 2021
Revised: August 17, 2021
Revised: August 27, 2021

Prepared by:

Bankson Engineers, Inc.
267 Blue Run Road, Suite 200
Cheswick, PA 15024
(412) 767-5100

THE CENTRAL INDIANA COUNTY WATER AUTHORITY
Indiana County, Pennsylvania

RAW WATER RESERVOIR DREDGING AND ACCESS ROAD EXTENSION PROJECT

ENVIRONMENTAL ASSESSMENT

TABLE OF CONTENTS

Appendix

Location Plan

EXHIBITS

Exhibit 1	Pa Department of Environmental Protection Consultation Response
Exhibit 2	DCNR Map of Pennsylvania Scenic Rivers
Exhibit 3	U.S. Fish and Wildlife Service Wetland Map
Exhibit 3a	Natural Resources Conservation Service Web Soil Survey
Exhibit 4	PNDI Project Environmental Review Receipt
Exhibit 5	Pennsylvania Historical & Museum Commission Project Review Form and Supporting Information
Exhibit 6	FEMA Floodplain Map
Exhibit 7	Letter from the U.S. Department of Agriculture – NRCS
Exhibit 8	EPA Map of Virtual Aquifers
Exhibit 9	Letter from Indiana County Office of Planning and Development
Exhibit 10	Letter from the White Township Zoning Department

THE CENTRAL INDIANA COUNTY WATER AUTHORITY
Indiana County, Pennsylvania

RAW WATER RESERVOIR DREDGING AND ACCESS ROAD EXTENSION PROJECT

ENVIRONMENTAL ASSESSMENT

1.0 PROJECT DESCRIPTION AND NEED

1.1 Purpose and Need for Project

The Central Indiana County Water Authority (Authority) receives its raw water from Yellow Creek. The Authority's raw water intake piping and valves are located within a 10-foot-high overflow spillway type dam, collecting raw water from the reservoir that forms behind the dam. The Authority's raw water dam is located downstream of a dam controlled by the Department of Conservation and Natural Resources (DCNR) at Yellow Creek State Park. DCNR is mandated by the Pennsylvania Department of Environmental Protection (PADEP) to maintain a conservation release, or low flow release, from its dam to protect instream and downstream uses.

Over time, sediment accumulates at the Authority's raw water intake. This sediment accumulation leads to a myriad of issues. The sediment causes the raw water turbidity to increase, as well as causing the raw water to develop an odor. Both of these issues require the Authority to increase its chemical usage at the water treatment plant so as to meet the PADEP drinking water standards. Additionally, with a more shallow pool of water at the intake, the temperature of the raw water increases, which also makes the raw water more difficult to treat.

The Authority started dredging in 2013 and now routinely dredges due to sediment accumulation along the intake. If possible, the Authority tries to perform its routine dredging in the spring and fall of each year over the course of one (1) to three (3) weeks. This schedule is dictated by the flows in Yellow Creek. If the flows are low, the Authority will not perform the dredging work.

This project also includes the extension of an access road at the Authority's raw water intake dam. The extension of this access road will allow the Authority to extend the limits of the area that can be dredged. Currently, the Authority can only dredge the area of the reservoir immediate to the dam. The extended access road will allow the dredging equipment to reach the entire length of the reservoir.

Prior to beginning these routine dredging efforts, the Authority would routinely record raw water turbidity of 200 NTUs following a rainfall event of 1" or greater. With this level of turbidity, the Authority could not effectively treat the water and would need to shut down the water treatment plant until the turbidity was reduced. Following the beginning of the routine

dredging, the raw water turbidity following a rainfall event is approximately 50 – 60 NTUs. This permits the Authority to continue operating its water treatment plant following a heavy rainfall event.

1.2 Project Authority

This project is eligible for federal cost sharing under Section 313 of the Water Resources Development Act 1992 (PL 102-580). The primary objective of the Section 313 program is to provide design and/or construction assistance to Non-Federal interests for carrying out water-related environmental infrastructure projects in south central Pennsylvania.

1.3 Project Description

The Central Indiana County Water Authority (Authority) applied for Section 313 funding for its raw water reservoir dredging project, which involves the extension of the existing roadway along the edge of the reservoir as well as funds for dredging. See enclosed **Location Plan.**

2.0 ALTERNATIVES

2.1 Alternatives Considered

The alternatives considered for this project include the no-action alternative and the removal of sediment by means of dredging.

1.) No-Action Alternative

The No-Action Alternative assumes that no sediment will be removed from the Authority's raw water reservoir. With the amount of dredging that the Authority has previously performed, it is expected that the effects of this prior work will be effective for thirty (30) years. The Authority would be able to delay the routine dredging for a period of time if funding is not available. Although the No-Action Alternative is the easiest and least-costly Alternative to "implement," it does not address the long-term issues experienced by the Authority. The No-Action Alternative is not preferred for the following reasons:

- The Authority's raw water reservoir currently has a reduced volume available due to the sedimentation within the reservoir. The volume of the reservoir will continue to be reduced due to additional sedimentation if the No-Action Alternative is implemented.

- As the reservoir fills with sediment, the turbidity of the raw water continues to increase. As a result, the Authority is required to add additional quantities of treatment chemicals to continue to meet the regulated water quality parameters. Implementation of the No-Alternative will result in additional treatment costs so that the Authority can continue to provide potable water to its customers. If the sedimentation of the reservoir continues unabated, the Authority will most

likely need to provide additional treatment processes in addition to the increased use of treatment chemicals.

2.) <u>Removal of Sediment by Means of Dredging (Preferred Alternative)</u>

Dredging is a type of underwater excavation that is used to remove sediment from a large water body. Generally, dredges scoop sediment, along with water, from the bottom of a water body. Dredging generally does impact water quality within a reservoir by increasing turbidity. This increased turbidity will negatively impact both the downstream area of the dam as well as the raw water quality.

To minimize these effects, the Authority reduces the water level in the reservoir so that the amount of water going over the dam, and thus downstream, is minimized. Additionally, the Authority turns off its water treatment plant during the dredging to avoid the higher turbidities. The water plant is operated during the nighttime when the reservoir is being dredged, after the turbidity has gone down.

The raw water from the intake is gravity fed via a 12-inch diameter water transmission main to the Authority's water treatment plant. The plant is located approximately 3.5 miles downstream of the intake.

The dredging process will remove approximately 4,800 C.Y. of material. The area behind the dam that will be dredged is approximately 600 feet long by 115 feet wide. The depth of material to be removed will vary from approximately four (4) feet to ten (10) feet. The length of time that this dredging will be effective is dependent upon the frequency and length of the flushes performed at the Yellow Creek dam that is upstream of the Authority's intake. However, it is expected that the dredge will be effective for thirty (30) years.

The material will be disposed of at a local quarry owned by Kinkead Aggregates, LLC. This location is approximately four (4) miles from the dam. Kinkead Aggregates, LLC is permitted by the Pennsylvania Department of Environmental Protection to receive clean fill at this site. The Authority has tested the material that are being dredged by the project for the following elements: Selenium, Lead, Thallium, Boron, Cadmium, Copper, Nickel, Cobalt, Chromium, Vanadium, Molybdenum, Beryllium, Arsenic, Strontium, Manganese, Iron, Calcium, Magnesium, Sodium, Potassium, Aluminum, Barium, and Zinc. All of the results are within acceptable limits to the quarry. Additional testing may be performed during the removal of the material, if required by the quarry to ensure there are no contaminants present so that only clean fill is received at the quarry.

The Preferred Alternative also includes the extension of the existing access road. This new access roadway will be used by the dredging equipment to increase the area of the reservoir that can be dredged. The roadway extension includes the removal of five (5) to six (6) small trees and minor grading. The twenty (20) foot wide by two hundred fifty (250) foot long roadway will be constructed with R-4 stone, with an approximate depth of 3 inches.

2.2 Comparison of Alternatives

Section 2.1 lists the alternatives considered and describes the reasons for rejection of these alternatives. The alternative selected will provide the Authority with increased volume in its raw water reservoir, as well as provide improved raw water quality.

3.0 ENVIRONMENTAL EFFECTS OF THE PROJECT

3.1 Aesthetics

3.1A Existing Conditions

The Authority's reservoir is a run-of-river dam across Yellow Creek. The site can only be accessed by a private roadway that is not open to the public. Therefore, the existing conditions of the project site have limited aesthetic value.

3.1B No Action Alternative Environmental Effects

Aesthetics would not be affected under this alternative.

3.1C Preferred Alternative Environmental Effects

Minimum impacts to aesthetics are expected under the preferred alternative. There could be short-term, minor effects during the dredging operation.

3.2 Air Quality

3.2A Existing Conditions

The project is located in Indiana County, Pennsylvania. All of Indiana County, Pennsylvania has been designated as a non-attainment area.

3.2B No Action Alternative Environmental Effects

Air quality would not be affected under this alternative.

3.2C Preferred Alternative Environmental Effects

Air emissions produced under this alternative will be limited to normal dust emissions as a result of construction, as well as vehicle emissions from the dredging equipment and truck transport of the dredged material. The project will produce no long-term air emissions. Dust emissions will be short-term and will be controlled using normal practices. The increased emissions from the dredging equipment and truck transport would be localized and would revert to preconstruction levels upon completion. There are no topographical or meteorological conditions

that would hinder dispersal of air emissions. This project should have no significant adverse impact on the air quality of the area. Please see consultation letter from PADEP's Regional Office, **Exhibit 1.**

3.3 Aquatic Resources and Wetlands

3.3A Existing Conditions

Pennsylvania's Chapter 93 Water Quality Standards designates Yellow Creek as trout stocked. No work will be permitted between March 1 and June 15 without written approval from the PA Fish and Boat Commission.

This project will not affect a river or portion of it which is either included in the National or State Wild and Scenic Rivers Systems or designated for potential addition to the system. There are no American Heritage Rivers in the project area. This determination is based on a review of the Inventory of Wild and Scenic Rivers listed for Federal and State for potential addition to the system. The Pennsylvania Scenic Rivers Program was consulted. Please see **Exhibit 2.** The project is not located in a coastal zone or on a coastal barrier.

A wetlands map printed from the U.S. Fish and Wildlife Service National Wetlands Inventory is included as **Exhibit 3.** The extension of the existing roadway has been marked by a red line on the wetlands map. The wetland inventory map shows no wetland features in the project area. A soils map shows the location of the extension of the existing roadway in red. According to the Web Soil Survey of Indiana County **(Exhibit 3a),** Dekalb-Hazelton channery sandy loams (DkF) and Pope fine sandy loam (PmA) are soils found on site. These soils are not hydric according to Natural Resources Conservation Services' Hydric Soil List for Indiana County. Hydric soils are one of three parameters to be considered a wetland. Without hydric soil, a wetland cannot exist. While not field verified, the investigation of resources available leads us to believe no wetlands are present.

3.3B No Action Alternative Environmental Effects

Aquatic resources and wetlands would not be affected under this alternative.

3.3C Preferred Alternative Environmental Effects

Aquatic resources and wetlands would temporarily be affected as the water level behind the dam is lowered prior to performing the dredging, which reduces the amount of water downstream of the dam.

3.4 Invasive Species

3.4A Existing Conditions

Invasive species are not present in the project area.

3.4B No Action Alternative Environmental Effects

Invasive species would not be affected under this alternative.

3.4C Preferred Alternative Environmental Effects

This alternative will not remove any invasive species, nor will it promote invasive species proliferation within the project area.

3.5 Fish and Wildlife Habitat

3.5A Existing Conditions

The areas in and around Yellow Creek State Park are important rest stops for migrating birds. This area provides excellent viewing of wildlife and birds. Additionally, Yellow Creek is stocked with brown and brook trout. There is also natural producing walleye and muskellunge found in Yellow Creek.

The Pennsylvania Natural Diversity Inventory (PNDI) review encompasses animal and vegetation life. The PNDI consultation (**Exhibit 4**) indicates there are no-known impacts to species of concern with PA Game Commission, PA Department of Conservation and Natural Resources, PA Fish and Boat Commission, and U.S. Fish and Wildlife Service.

3.5B No Action Alternative Environmental Effects

Fish and wildlife habitat would not be affected under this alternative.

3.5C Preferred Alternative Environmental Effects

Fish and wildlife habitat will be temporarily affected during dredging activities. However, there will be no permanent effects to fish and wildlife habitat under this alternative.

3.6 Threatened and Endangered Species

3.6A Existing Conditions

The Pennsylvania Natural Diversity Inventory (PNDI) review encompasses animal and vegetation life. The PNDI consultation (**Exhibit 4**) indicates there are no-known impacts to species of concern with PA Game Commission, PA Department of Conservation and Natural Resources, PA Fish and Boat Commission, and U.S. Fish and Wildlife Service.

3.6B No Action Alternative Environmental Effects

Threatened and endangered species would not be affected under this alternative.

3.6C Preferred Alternative Environmental Effects

Threatened and endangered species would not be affected under this alternative.

3.7 Historical Properties and Other Cultural Resources

3.7A Existing Conditions

No previously recorded archaeological resources were identified within the project area. No historic structures were documented within the project area. The Pennsylvania State Historic Preservation Office stated no effects will occur with the work associated with this project.

3.7B No Action Alternative Environmental Effects

Historical properties and other cultural resources would not be affected under this alternative.

3.7C Preferred Alternative Environmental Effects

The applicant has consulted with the State Historic Preservation Office to determine if any sites of historic or archaeological significance will be impacted by the proposed project. There will be no effect to either historical or archaeological resources. See signed Project Review Form and supporting information included in **Exhibit 5.**

3.8 Floodplains

3.8A Existing Conditions

A FEMA Floodplain map showing the location of the project is included as **Exhibit 6.** No FEMA defined floodway is along this portion of Yellow Creek.

3.8B No Action Alternative Environmental Effects

Floodplains would not be affected under this alternative.

3.8C Preferred Alternative Environmental Effects

There is a small portion of the proposed extended roadway within the floodplain area. As the roadway will be constructed to match the existing grade, the extension of the existing roadway will not cause any significant impacts to floodplains.

3.9 Hazardous, Toxic, and Radioactive Waste

3.9A Existing Conditions

The Authority's Source Water Protection Plan, which was updated in 2016, identifies potential point sources of contamination into the Yellow Creek watershed as sewer treatment plants and mining. Non-point sources of potential contamination include runoff and potential spills in transportation corridors.

The Authority's regular testing of its raw water and finished water has found no hazardous, toxic or radioactive constituents in the water. As any hazardous, toxic or radioactive material would most likely leach into the water, a reasonable determination is being made that no hazardous, toxic or radioactive waste will be encountered by the project.

3.9B No Action Alternative Environmental Effects

Hazardous, toxic and radioactive waste would not be affected under this alternative.

3.9C Preferred Alternative Environmental Effects

No known hazardous materials or chemicals will be used or stored on-site during or following construction of this project. The dredged material will be disposed of at a local quarry owned by Kinkead Aggregates, LLC. This location is approximately four (4) miles from the dam.

3.10 Hydrology

3.10A Existing Conditions

Sedimentation that has occurred behind the existing run-of-river dam has reduced the volume of water available to the Authority. Additionally, with less settling volume available, the turbidity of Yellow Creek slowly increases as the volume is reduced.

3.10B No Action Alternative Environmental Effects

Under this alternative, the turbidity of Yellow Creek will continue to increase, resulting in a degradation of the stream's ability to support aquatic life.

3.10C Preferred Alternative Environmental Effects

Under this alternative, additional capacity behind the dam will be provided for sedimentation to occur, resulting in both a cleaner source of potable water for the Authority's customers as well as a less turbid Yellow Creek which will better support aquatic life.

3.11 Land Use

3.11A Existing Conditions

There are no national parks, forests or monuments located near the project area. The project area is not within one mile of a designated State or National Park, forest area or trail. There will be no impact on any formally classified lands.

3.11B No Action Alternative Environmental Effects

Land use would not be affected under this alternative.

3.11C Preferred Alternative Environmental Effects

The Authority has consulted with the U.S Department of Agriculture to determine involvement of prime farmland or agricultural security areas. See **Exhibit 7**. The project will not disturb prime farmland soils or those of statewide importance that have not been previously disturbed in the construction of various state and/or local roads and developments. The U.S. Department of Agriculture concurs with our assessment of the project.

3.12 Navigation

3.12A Existing Conditions

The Authority's run-of-river dam does not permit navigation across the dam.

3.12B No Action Alternative Environmental Effects

Navigation would not be affected under this alternative.

3.12C Preferred Alternative Environmental Effects

Navigation would not be affected under this alternative.

3.13 Noise Levels

3.13A Existing Conditions

At the project site, there are minimal existing noise impacts. There is a nearby mine that generates noise from trucks and equipment.

3.13B No Action Alternative Environmental Effects

Noise levels would not be affected under this alternative.

3.13C Preferred Alternative Environmental Effects

During construction, there will be a temporary increase in noise levels. These impacts will be short-term and will only occur during daylight areas.

3.14 Public Infrastructure

3.14A Existing Conditions

The project is accessible exclusively by a private, two-lane road. State Route 954 will be used to truck the dredged material to the nearby quarry for disposal.

3.14B No Action Alternative Environmental Effects

Public infrastructure would not be affected under this alternative.

3.14C Preferred Alternative Environmental Effects

During actual construction, short-term traffic delays may be experienced along State Route 954. However, no new transportation patterns are anticipated as a result of the project.

3.15 Socio-Economic and Environmental Justice

3.15A Existing Conditions

The Authority currently provides water service to customers in Homer City Borough, Center Township and portions of White Township. The various demographics of the Authority's service area are tabulated below:

Municipality	2019 Population	2019 Median Income	Low-Income Percentage	Minority Percentage
Homer City Borough	1,688	$44,375	19.8%	1.9%
Center Township	4,510	$32,311	9.0%	1.1%
White Township	15,674	$56,688	12.0%	9.8%

3.15B No Action Alternative Environmental Effects

Socio-economic and environmental justice would not be affected under this alternative.

3.15C Preferred Alternative Environmental Effects

No persons will be relocated as a result of this project. There will be no immediate change in land use as a result of the project. The proposed project will serve all citizens of the project area equally. There will be no negative or disproportionate effects on minorities, women, or persons with disabilities or any persons who are employees, program beneficiaries, or applicants for employment or program benefits in this project by virtue of their race, color, sex, national origin, religion, age, disability, or marital or familial status. The project is not located in a manner that will negatively affect low-income or minority people.

3.16 Soils

3.16A Existing Conditions

According to the Web Soil Survey of Indiana County**,** Dekalb-Hazelton channery sandy loams (DkF) and Pope fine sandy loam (PmA) are soils found on site. These soils are not hydric according to Natural Resources Conservation Services' Hydric Soil List for Indiana County.

3.16B No Action Alternative Environmental Effects

Soils would not be affected under this alternative.

3.16C Preferred Alternative Environmental Effects

Soils would not be affected under this alternative.

3.17 Tribal Trust Resources

3.17A Existing Conditions

No known tribal trust resources are present within the project area.

3.17B No Action Alternative Environmental Effects

Tribal trust resources would not be affected under this alternative.

3.17C Preferred Alternative Environmental Effects

Tribal trust resources would not be affected under this alternative.

3.18 Water Quality

Groundwater will not be affected by the project. There are no Sole Source Aquifers located in the project area. See EPA Virtual Aquifers Map included as **Exhibit 8**. PA Department of Environmental Protection's consultation Response is included with this report.

3.18A Existing Conditions

The water quality of Yellow Creek is relatively clean, with an average turbidity of approximately 6.8 NTU. The turbidity of the stream is increased whenever the PA Department of Conservation and Natural Resources discharges water from the lower portions of the Yellow Creek Dam, which is located upstream of the Authority's run-of-river dam.

3.18B No Action Alternative Environmental Effects

Under this alternative, the turbidity of the stream will slowly increase as the settling volume behind the Authority's dam is decreased due to sedimentation behind the dam.

3.18C Preferred Alternative Environmental Effects

The preferred alternative may cause impacts to water quality in the form of minor increases in turbidity in the reservoir during the dredging operation. These impacts are anticipated to be minor and temporary. The Authority will lower the level of water behind the dam to provide time for the turbidity to decrease before the water level overtops the dam.

The turbidity of the stream will slowly increase as the settling volume behind the Authority's dam is decreased due to sedimentation behind the dam, as will also happen in the No Action alternative. However, the time for this increase in turbidity to occur will be extended due to the dredging of the reservoir.

3.19 Climate Change

3.19A Existing Conditions

A review of the EPA analysis titled, "What Climate Change Means for Pennsylvania" states that rising temperatures and shifting rainfall patterns are likely to increase the intensity of both floods and droughts. Precipitation is likely to increase during winter and spring, but not change significantly during summer and fall. Rising temperatures will melt snow earlier in spring and increase evaporation, and thereby will dry the soil during summer and fall. As a result, changing the climate is likely to intensify flooding during winter and spring, and drought during summer and fall.

3.19B No Action Alternative Environmental Effects

Climate change would not be affected under this alternative.

3.19C Preferred Alternative Environmental Effects

The preferred alternative will not increase the effects of climate change. However, this alternative will provide additional storage capacity of the raw water reservoir, providing the Authority excess capacity in times of drought.

3.20 Child Health and Safety

3.20A Existing Conditions

There are no schools, residential areas, commercial areas or other known gathering places for children in the project area.

3.20B No Action Alternative Environmental Effects

Child health and safety would not be affected under this alternative.

3.20C Preferred Alternative Environmental Effects

Child health and safety would not be affected under this alternative.

4.0 SUMMARY OF MITIGATION

1. The Authority will acquire all permits and approvals required of regulatory agencies prior to initiating the project.
2. The Contract Documents will require the Authority's contractors to follow the Soil Erosion and Sedimentation Control Plan approved by the Indiana County Conservation District.
3. All contractors will be required to adhere to the provisions of the permits issued for the project.

5.0 PUBLIC PARTICIPATION

All public comment periods associated with governmental permits will be observed prior to initiation of the project. The Authority has consulted with the County Planning Agency during the preliminary planning for the project, and the County has determined that the project is not in conflict with areawide plans. The municipality in which project elements are located has been notified and has stated that the project conforms to local planning and zoning. Please see **Exhibit 9 and Exhibit 10.**

The Authority holds monthly public meetings at which the public may attend and may express its opinions.

6.0 SUMMARY OF ENVIRONMENTAL CONSEQUENCES

The table below provides a summary of the impacts of each resource category with the No Action Alternative and the Preferred Alternative.

Resource	No Action Alternative	Preferred Alternative
Aesthetics	No Effect	Minor, short-term
Air Quality	No Effect	Minor, local, ongoing impacts due to use of dredging equipment from both vehicle emissions and dust
Aquatic Resources and Wetlands	No Effect	Minor Effect
Invasive Species	No Effect	No Effect
Fish and Wildlife	No Effect	Minor Effect
Threatened and Endangered Species	No Effect	No Effect
Historic and Cultural Resources	No Effect	No Effect
Floodplains	No Effect	Minor impact as a portion of the roadway will be constructed in floodway
Hazardous, Toxic, and Radioactive Waste	No Effect	No Effect
Hydrology	Minor long-term increase in turbidity	Project will decrease turbidity due to additional sedimentation
Land Use	No Effect	No Effect
Navigation	No Effect	No Effect
Noise Levels	No Effect	Temporary increase during dredging operation

Resource	No Action Alternative	Preferred Alternative
Public Infrastructure	No Effect	Short-term traffic delays due to hauling trucks
Socio-Economic and Environmental Justice	No Effect	No Effect
Soils	No Effect	No Effect
Tribal Trust Resources	No Effect	No Effect
Water Quality	Minor long-term increase in turbidity	Project will decrease turbidity due to additional sedimentation
Climate Change	No Effect	No Effect
Child Health and Safety	No Effect	No Effect

7.0 CONCLUSION

Based upon an evaluation of the Environmental Assessment, it is my opinion that the proposed project described herein is not a major Federal action with significant impact on the quality of the human environment.

Considering all beneficial and detrimental aspects relating to this work, I have determined that there will not be any significant adverse impacts and that the public interest will be best served by the completion of this project.

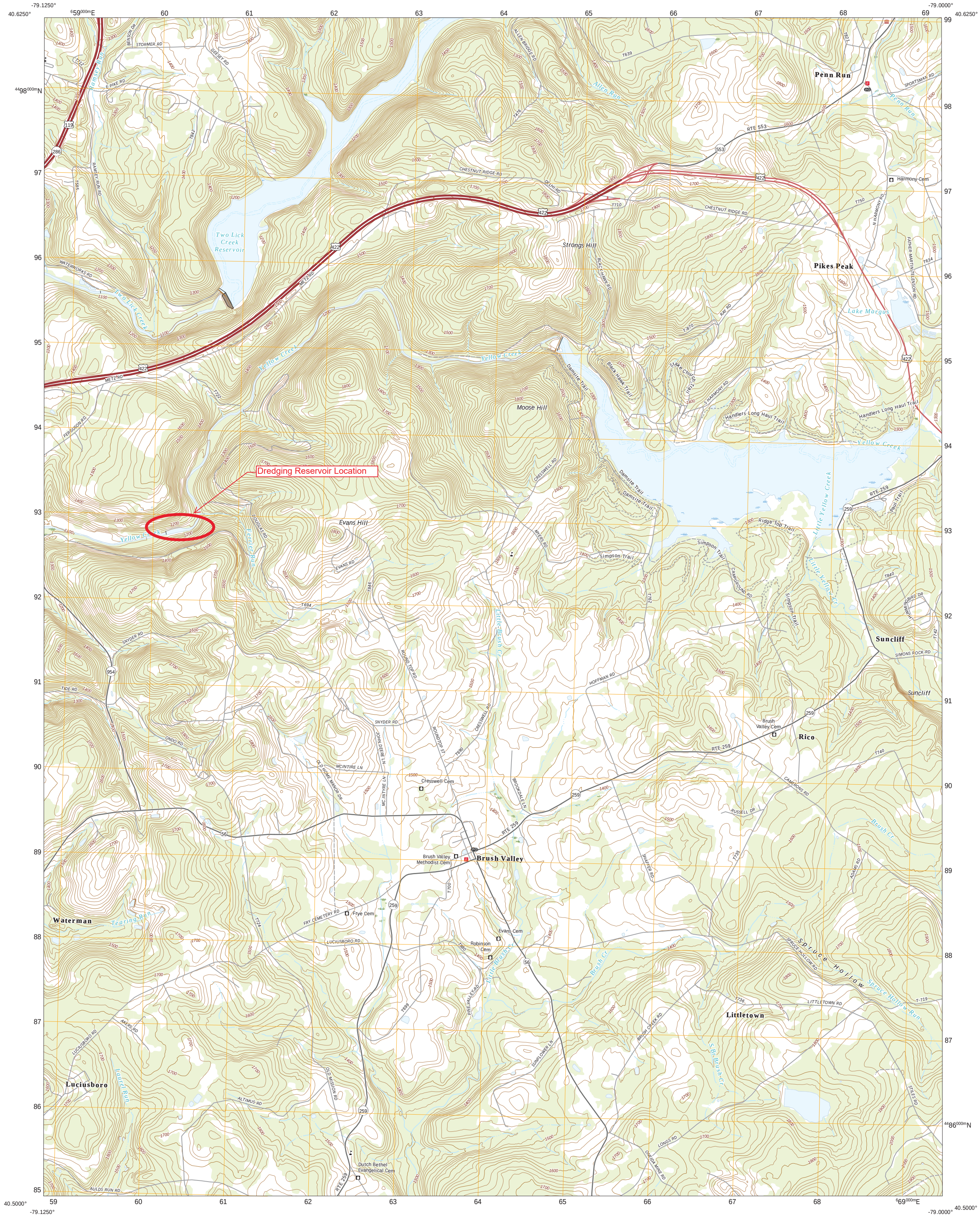
Kevin L. Szakelyhidi, P.E.
Bankson Engineers, Inc.

LOCATION PLAN

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map
US Topo

BRUSH VALLEY QUADRANGLE
PENNSYLVANIA - INDIANA COUNTY
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and 1 000-meter grid:Universal Transverse Mercator, Zone 17T

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery........NAIP, September 2017 - December 2017
Roads........U.S. Census Bureau, 2016
Names........GNIS, 1979 - 2019
Hydrography........National Hydrography Dataset, 2004 - 2019
Contours........National Elevation Dataset, 2010
Boundaries........Multiple sources; see metadata file 2017 - 2018

Wetlands........FWS National Wetlands Inventory 1977

MN
GN
9°57´ 177 MILS
1°16´ 23 MILS

UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 - m Square ID
PE
Grid Zone Designation
17T

SCALE 1:24 000

KILOMETERS 1 0.5 0 1 2
METERS 1000 500 0 1000 2000
MILES 1 0.5 0 1
FEET 1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

CONTOUR INTERVAL 20 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is draft version 0.6.18

PENNSYLVANIA
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Ernest
2 Clymer
3 Commodore
4 Indiana
5 Strongstown
6 Bolivar
7 New Florence
8 Vintondale

ADJOINING QUADRANGLES

ROAD CLASSIFICATION

Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

BRUSH VALLEY, PA
2019

NSN. 7643016391179
NGA REF NO. USGSX24K5817

EXHIBIT 1

PA DEPARTMENT OF ENVIRONMENTAL PROTECTION CONSULTATION RESPONSE

Northwest Regional Office (Meadville)
230 Chestnut Street
Meadville, PA 16335-3481

Wednesday, September 2, 2020

Mr. Robert T Nymick
The Central Indiana County Water Authority
30 East Wiley Street
Homer City, PA 15748

Dear Mr. Nymick:

Thank you for using the DEP Permit Application Consultation Tool (PACT) submittal. Your project information has been submitted to the Department of Environmental Protection. Please follow-up with the appropriate regional office to schedule a Pre-Application conference. Regional Office contact information for your project can be found at the end of this document.

Based on your answers to the PACT questionnaire, the tool has provided the attached responses highlighting important considerations related to your project. These responses are based solely on the project information you provided, and may not be comprehensive, but will serve as a starting point for the conference.

This conference, while not required, will assist the DEP in coordinating the review of all necessary permits for proposed projects to ensure timely processing, efficient use of resources, thorough environmental review, and consistent department action on proposed projects.

Please be aware that the applicant has the responsibility of complying with all relevant environmental laws and regulations for the project, and permits may be required before construction or the commencement of operations.

Sincerely,

Staci Gustafson, Assistant Regional Director, Northwest Regional Office (Meadville)

The following Permit Application information was submitted to DEP on 9/2/2020 1:08:33 PM.

Project Overview

Project Name: Raw Water Reservoir Dredging Project
Selected Municipalities: White Twp (Indiana)
Young Twp (Indiana)
Associated DEP Office: Northwest Regional Office (Meadville)

Applicant Information

Applicant Company: The Central Indiana County Water Authority
Address 1: 30 East Wiley Street
Address 2: not specified
City: Homer City
State: PA
Zip: 15748
Contact: Mr. Robert T Nymick
Contact e-mail: kberfield@hotmail.com
Contact phone: 724-479-8005

Consultant Information

Consultant Company: Bankson Engineers, Inc.
Address 1: 267 Blue Run Road
Address 2: Suite 200
City: Cheswick
State: PA
Zip: 15024
Contact: Mr. Daniel R. Fischman
Contact e-mail: dfischman@banksonengineers.com
Contact phone: 412-767-5100

Project Details

Anticipated Timeframe: Commencement: 10/5/2020; Completion: 6/30/2021

Project Summary: The Authority receives its raw water from Yellow Creek. The Authority's intake, which is a 10-foot high overflow spillway type dam, is located downstream of a dam controlled by the Department of Conservation and Natural Resources (DCNR) Yellow Creek State Park, which ensures a conservation release. Over time, sediment accumulates along the Authority's intake. This sediment accumulation leads to a myriad of issues. The sediment causes the raw water turbidity to increase, as well as causing the raw water to develop an odor. Both of these issues require the Authority to increase its chemical usage at the water treatment plant. Additionally, with a more shallow pool of water at the intake, the temperature of the raw water increases, which also makes the raw water more difficult to treat. Dredging leads to a decrease in the amount of siltation in Yellow Creek.

The Authority started dredging in 2013 and now routinely dredges due to sediment accumulation along the intake. As a result of these efforts, the Authority has seen a decrease in its chemical usage, reduced odor in the water and less siltation in Yellow Creek.

The Central Indiana County Water Authority (Authority) applied for, and received, Section 313 Funding for its raw water reservoir dredging project, which involves the extension of the existing roadway to the intake as well as funds for dredging.

NAIC: Construction - Water, Sewer, And Utility Lines
Job Creation: Fewer than 25 jobs created or retained
Economic impact: Less than $1 million in private investment

Attachments

These links, if present, provide you access to the attachments that you provided as part of the Pre-Application Information. You are advised to save the attachments to your local computer or a network share when prompted by your browser.

Location.pdf

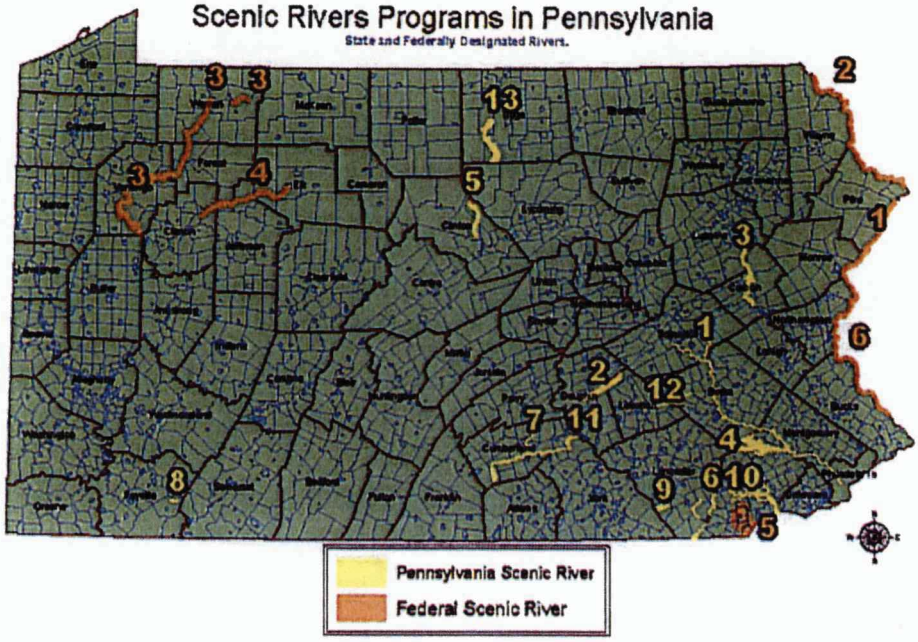
EXHIBIT 2

DCNR Map of Pennsylvania Scenic Rivers

Pennsylvania Scenic Rivers Program

Location Map

The following map depicts the location of Pennsylvania and Federally designated Scenic Rivers. The Pennsylvania Scenic rivers are depicted in yellow, the Federally designated Scenic Rivers are depicted on this map in orange. Click on the corridor you wish to study or its name in the list below to get more information on it.



Pennsylvania Designated Rivers

	Name	Date Designated		Name	Date Designated
1	Schuylkill River	Nov. 1978	8	Bear Run	Dec. 1988
2	Stony Creek	Mar. 1980	9	Tucquan Creek	Dec. 1988
3	Lehigh River	Apr. 1982	10	Lower Brandywine	June 1989
4	French Creek	Apr. 1982	11	Yellow Breeches Creek	Dec. 1992
5	Lick Run	Dec. 1982	12	Tulpehocken Creek	Dec. 1992
6	Octoraro Creek	Oct. 1983	13	Pine Creek	Dec. 1992
7	Le Tort Spring Run	Mar. 1988			

Federal Designated Rivers

	Name	Date Designated
1	Middle Delaware River	Sept. 1965
2	Upper Delaware River	Nov. 1978
3	Allegheny River	Apr. 1992
4	Clarion River	Oct. 1996
5	White Clay Creek	Oct. 1996
6	Lower Delaware River	Nov. 2000

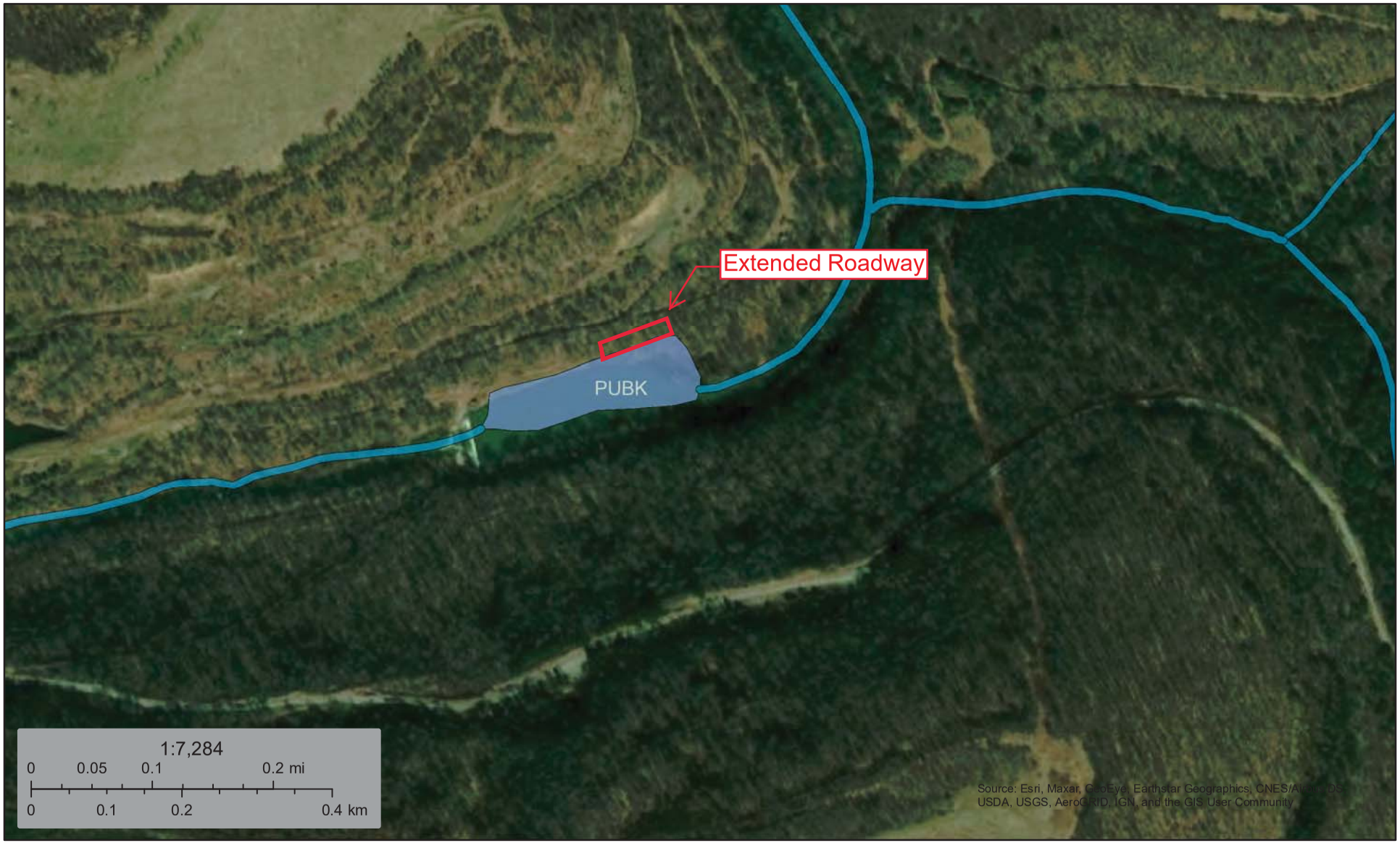
DCNR

EXHIBIT 3

U.S. Fish and Wildlife Service Wetland Map

U.S. Fish and Wildlife Service
National Wetlands Inventory

Reservoir Dredging



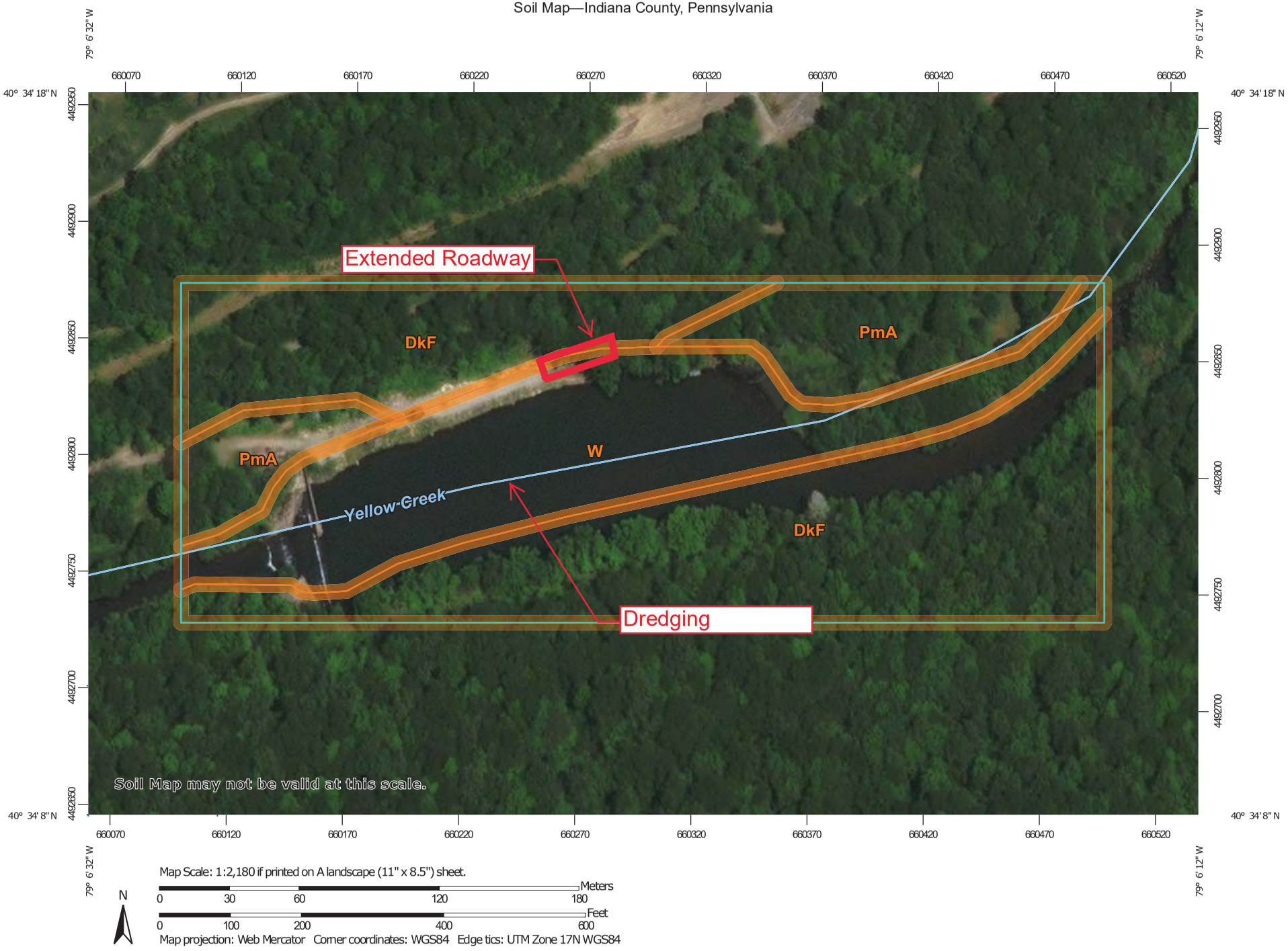
September 1, 2020

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

EXHIBIT 3a

Natural Resources Conservation Service
Web Soil Survey



Map Scale: 1:2,180 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 30 60 120 180

Feet: 0 100 200 400 600

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- 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
- Sodic Spot
- Spoil Area
- Stony Spot
- Very 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 1:24,000.

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:
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: Indiana County, Pennsylvania
Survey Area Data: Version 17, Jun 5, 2020

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

Date(s) aerial images were photographed: Nov 6, 2010—Mar 8, 2017

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

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
DkF	Dekalb-Hazleton channery sandy loams, 25 to 80 percent slopes, extremely stony	7.8	54.6%
PmA	Pope fine sandy loam, 0 to 2 percent slopes, rarely flooded	2.1	14.8%
W	Water	4.4	30.6%
Totals for Area of Interest		**14.4**	**100.0%**

EXHIBIT 4

PNDI Project Environmental Review Receipt

1. PROJECT INFORMATION

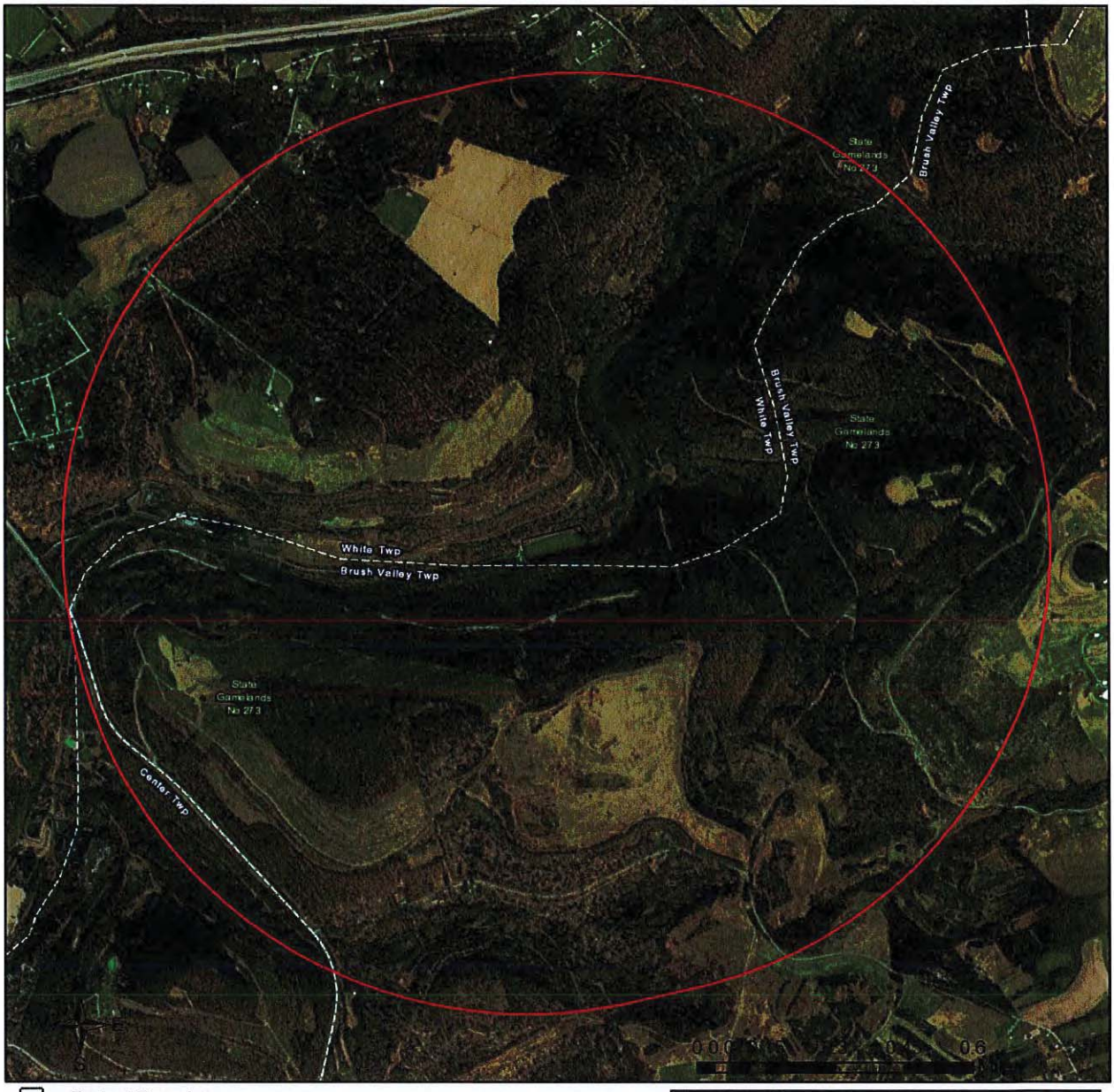
Project Name: **Raw Water Reservoir Dredging**
Date of Review: **8/26/2020 11:54:35 AM**
Project Category: **In-stream / Riverine Activities and Projects, Dredging/channel maintenance**
Project Area: **4.11 acres**
County(s): **Indiana**
Township/Municipality(s): **BRUSH VALLEY; WHITE**
ZIP Code: **15701**
Quadrangle Name(s): **BRUSH VALLEY**
Watersheds HUC 8: **Conemaugh**
Watersheds HUC 12: **Yellow Creek Lake-Yellow Creek**
Decimal Degrees: **40.570612, -79.106753**
Degrees Minutes Seconds: **40° 34' 14.2030" N, 79° 6' 24.3100" 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

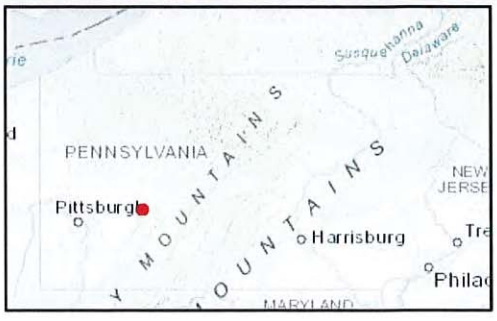
As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate no known impacts to threatened and endangered species and/or special concern species and resources within the project area. Therefore, based on the information you provided, no further coordination is required with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

Raw Water Reservoir Dredging



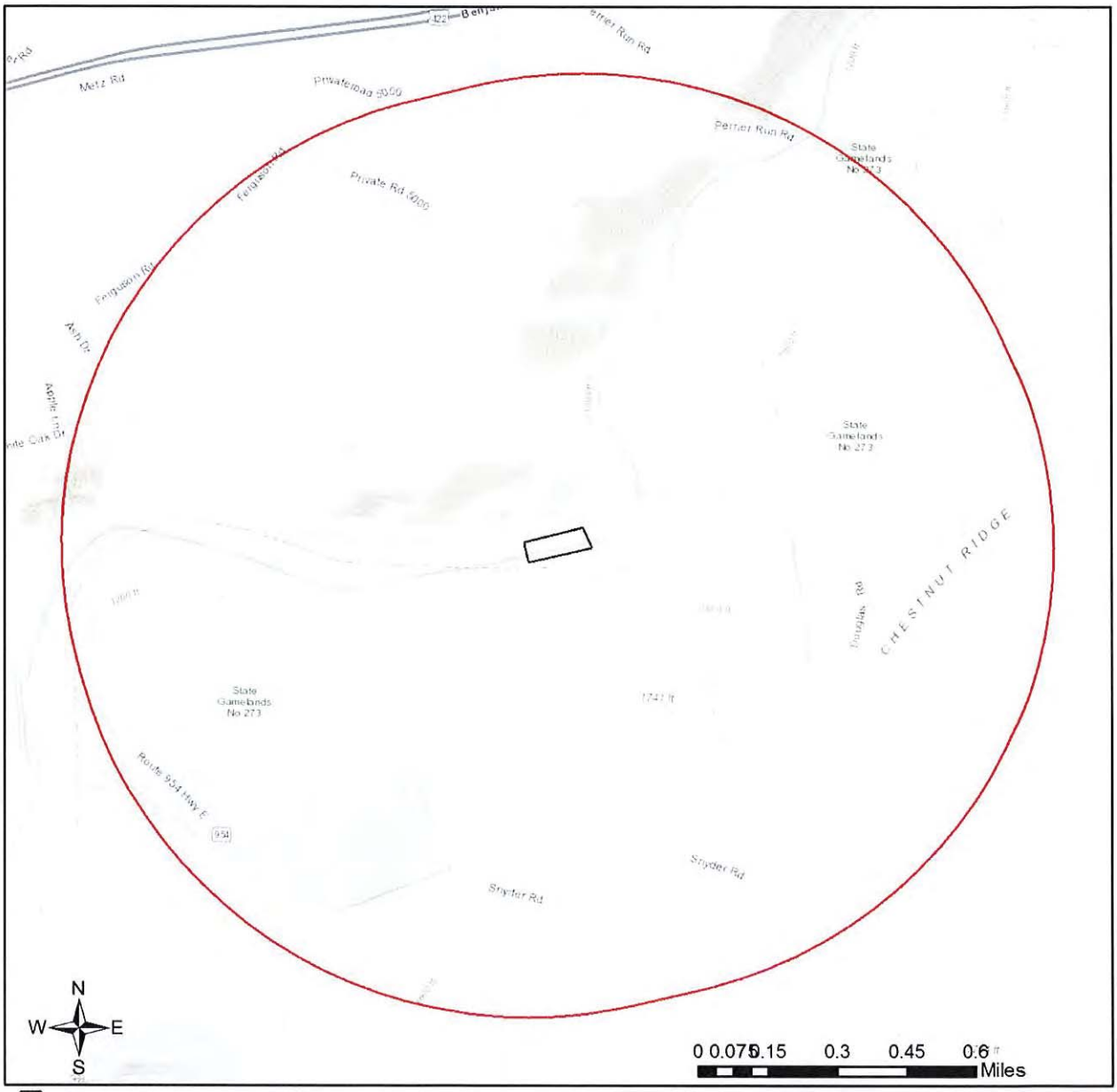
Project Boundary

Buffered Project Boundary



Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China

Raw Water Reservoir Dredging



Project Boundary

Buffered Project Boundary

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

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 jursidictional 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 **federally** 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. 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

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

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: Dan Fischman
Company/Business Name: Bankson Engineers, Inc.
Address: 267 Blue Run Road, Suite 200
City, State, Zip: Cheswick, PA 15024
Phone:(412) 767-5100 Fax:(412) 767-5107
Email: dfischman@banksonengineers.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.

Daniel R. Fischman / DS — 1-29-2021

applicant/project proponent signature — date

EXHIBIT 5

Pennsylvania Historical & Museum Commission Project Review Form and Supporting Information

Pennsylvania Historical & Museum Commission

PROJECT REVIEW FORM

Request to Initiate SHPO Consultation on State and Federal Undertakings

SHPO USE ONLY	Reviewers: _____/_____
DATE RECEIVED: 9/2/20	DATE DUE: 10/1/20
ER NUMBER: 2020-2358-063-A	HRSF: _____

REV: 07/2020

SECTION A: PROJECT NAME & LOCATION

Is this a new submittal? (•) YES ( ) NO **OR** ( ) **This is additional information for ER Number:**

Project Name: Raw Water Reservoir Dredging | County: Indiana | Municipality: White Township

Project Address: Off S. 6th Street Extension | City/State/ Zip: Indiana PA 15701

SECTION B: CONTACT INFORMATION & MAILING ADDRESS

Name: Daniel R. Fischman | Phone: (412) 767-5100

Company: Bankson Engineers, Inc. | Fax: (412) 767-5107

Street/PO Box: 267 Blue Run Road, Suite 200 | Email: dfischman@banksonengineers.com

City/State/Zip: Cheswick PA 15024 | Email cc:

SECTION C: PROJECT DESCRIPTION

This project is located on: (check all that apply) ☐ Federal property ☐ State property ☑ Municipal property ☐ Private property

List all federal and state agencies and programs providing funds, permits, licenses.

Agency Type	Agency/Program/Permit Name	Project/Permit/Tracking Number (if applicable)
Federal	Army Corps. of Engineers	Section 313 Grant

Proposed Work – Attach project description, scope of work, site plans, and/or drawings

Project includes (check all that apply): ☑ Construction ☐ Demolition ☐ Rehabilitation ☐ Disposition

Total acres of project area: 0.07 | Total acres of earth disturbance: 0.07

Are there any buildings or structures within the project area? ( ) Yes (•) No | Approximate age of buildings:

Does this project involve properties listed in or eligible for the National Register of Historic Places, or locally designated? Inventory here: https://gis.penndot.gov/crgis	Yes	No	Unsure
	( )	(•)	( )

Name _____

Key Number _____

Please email this form and pdf attachments to: RA-PH-PASHPO-ER@pa.gov

Please be sure to save the Project Review Form so that it remains a digital document and retains its function as a fillable pdf. Do not print the form and scan as a pdf.

Attachments – Please include the following information with this form

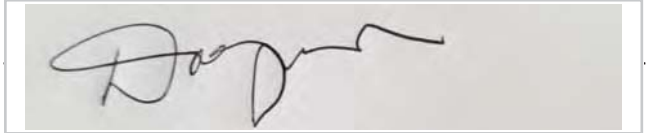
- ☑ **Map –** 7.5' USGS quad, streetmap, or parcel map showing the project's Area of Potential Effect
- ☑ **Description/Scope of Work–** Narrative description of the project, including any ground disturbance and previous land use, and any potential to impact historic resources
- ☐ **Site Plans/Drawings –** Indicate location and age of buildings, any proposed improvements, and past and present land use
- ☐ **Photographs –** Digital photographs of all buildings and structures keyed to a site plan. If demolition or exterior changes are proposed to buildings more than 50 years old, please also include Abbreviated HRSF

SHPO RESPONSE (SHPO USE ONLY)

☐ There are **NO HISTORIC PROPERTIES** in the Area of Potential Effect ☐ **SHPO REQUESTS ADDITIONAL INFORMATION** (see attached)

☑ The project will have **NO EFFECT** on historic properties

☐ The project will have **NO ADVERSE EFFECTS** on historic properties:_____ Key# _____

DIVISION CHIEF, ENVIRONMENTAL REVIEW:  **DATE:** 9/2/20

SHPO REVIEWER: SC

PROJECT DESCRIPTION

The Central Indiana County Water Authority (Authority) received Section 313 Funding for its raw water reservoir dredging project, which involves the extension of the existing roadway to the intake as well as funds for dredging.

The Authority receives its raw water from Yellow Creek. The Authority's intake, which is a 10-foot high overflow spillway type dam, is located downstream of a dam controlled by the DCNR Yellow Creek State Park, which ensures a conservation release. Over time, sediment accumulates along the Authority's intake. This sediment accumulation leads to a myriad of issues. The sediment causes the raw water turbidity to increase, as well as causing the raw water to develop an odor. Both of these issues require the Authority to increase its chemical usage at the water treatment plant. Additionally, with a more shallow pool of water at the intake, the temperature of the raw water increases, which also makes the raw water more difficult to treat. Dredging leads to a decrease in the amount of siltation in Yellow Creek.

The Authority started dredging in 2013 and now routinely dredges due to sediment accumulation along the intake. As a result of these efforts, the Authority has seen a decrease in its chemical usage, reduced odor in the water and less siltation in Yellow Creek.

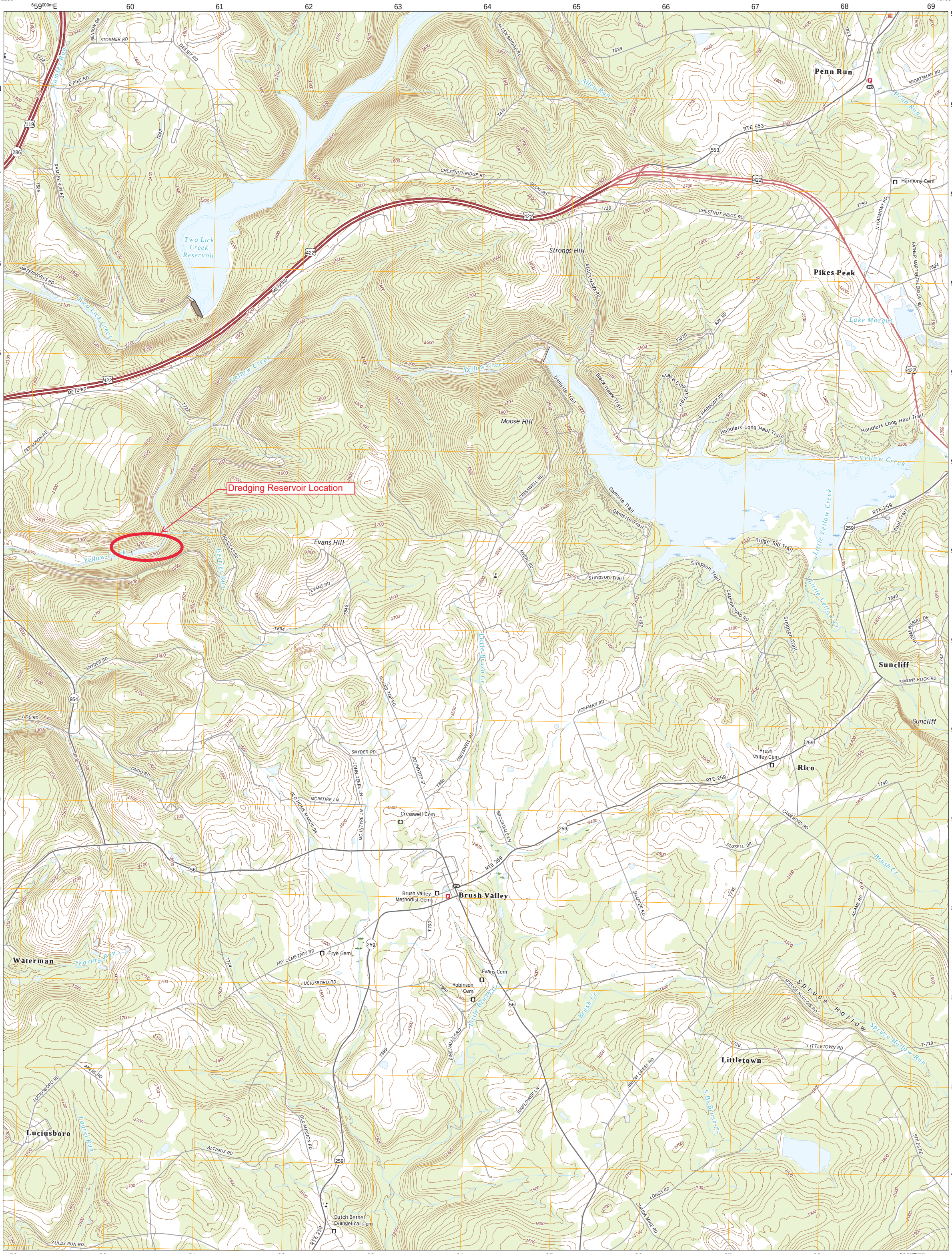
No buildings are in the project area. The past and present land use has been a reservoir for the Authority to receive its raw water from Yellow Creek. The total disturbance for the extension of the existing roadway is approximately 0.07 acre.

USGS science for a changing world

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map US Topo

BRUSH VALLEY QUADRANGLE
PENNSYLVANIA - INDIANA COUNTY
7.5-MINUTE SERIES



40.6250° -79.1250° -79.0000° 40.6250°
40.5000° -79.1250° -79.0000° 40.5000°

Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and 1 000-meter grid:Universal Transverse Mercator, Zone 17T

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery.....NAIP, September 2017 - December 2017
Roads..... U.S. Census Bureau, 2016
Names.....GNIS, 1979 - 2019
Hydrography.....National Hydrography Dataset, 2004 - 2019
Contours.....National Elevation Dataset, 2010
Boundaries.....Multiple sources; see metadata file 2017 - 2018
Wetlands.....FWS National Wetlands Inventory 1977

MN GN
9°57′ 177 MILS
1°16′ 23 MILS

UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 - m Square ID
PE
Grid Zone Designation 17T

SCALE 1:24 000

KILOMETERS · METERS · MILES · FEET

CONTOUR INTERVAL 20 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is draft version 0.6.18

PENNSYLVANIA
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Ernest
2 Clymer
3 Commodore
4 Indiana
5 Strongstown
6 Bolivar
7 New Florence
8 Vintondale

ADJOINING QUADRANGLES

ROAD CLASSIFICATION

Expressway		Local Connector	
Secondary Hwy		Local Road	
Ramp		4WD	

Interstate Route · US Route · State Route

BRUSH VALLEY, PA
2019

NSN. 7643016391179
NGA REF NO. USGSX24K5817

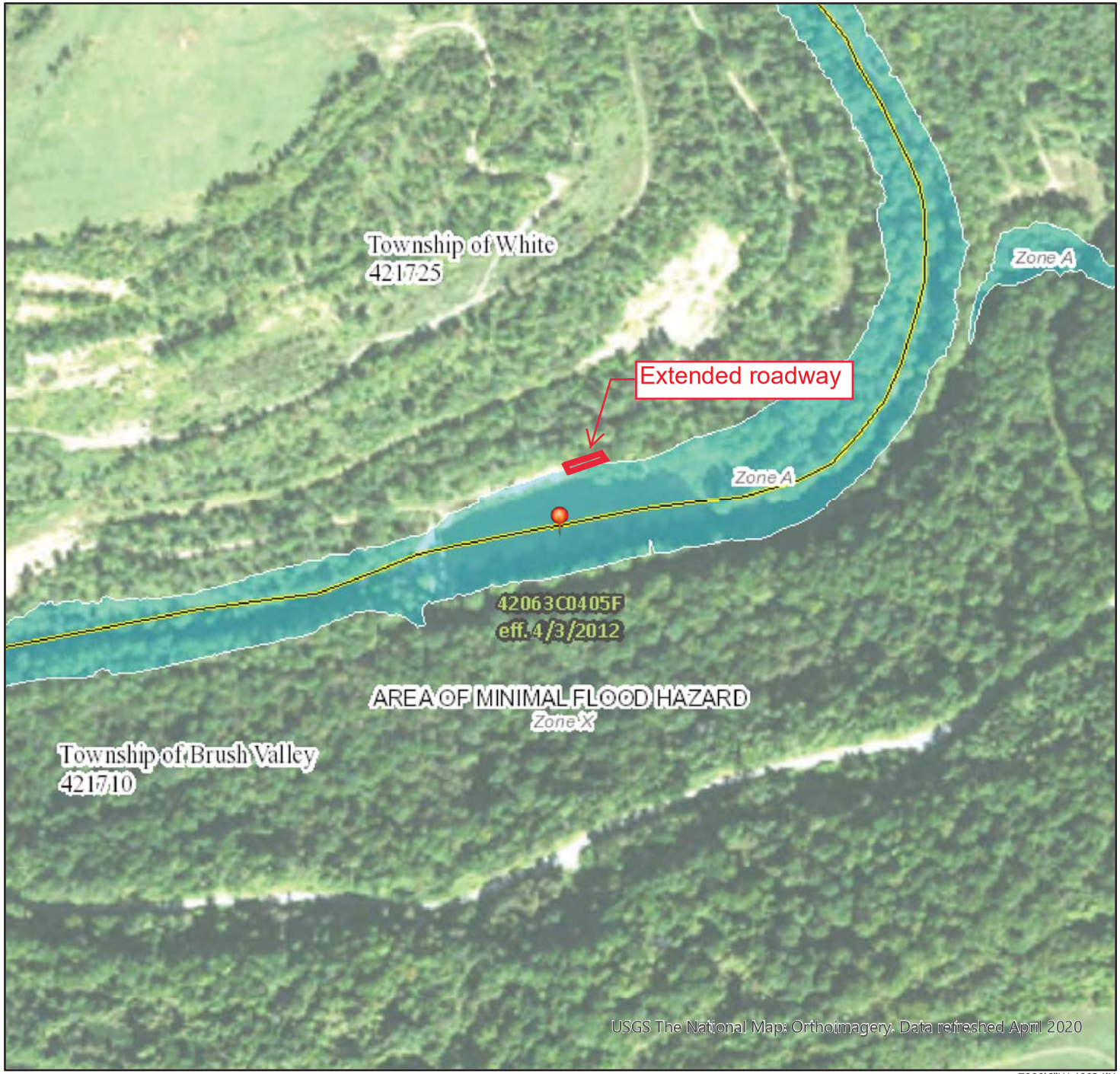

Roadway Extension
Dredging Reservoir

EXHIBIT 6

FEMA Floodplain Map

National Flood Hazard Layer FIRMette

79°6'43"W 40°34'27"N



79°6'6"W 40°34'N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/1/2020 at 1:45 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

EXHIBIT 7

Letter from the U.S. Department of Agriculture - NRCS

USDA
United States Department of Agriculture

October 21, 2020

Dan Fischman
Environmental Scientist
Bankson Engineers, Inc.
267 Blue Run road, Suite 200
Cheswick, PA 15024
Phone: 412-767-5100 - Fax: 412-767-5107
dfischman@banksonengineers.com

Subject: The Central Indiana County Water Authority - Raw Water Reservoir Dredging Project - Uniform Environmental Report

Dear Mr. Fischman:

Thank you for the opportunity to review the project map for the Environmental Report for the above referenced project in White Township in Indiana County, PA. After completing a review of the project's potential to impact federal actions where NRCS has control or responsibility, no potential for impact has been found for our easements and dams.

Because the project will receive federal funding from the US Army Corps of Engineers it must be evaluated for impact to prime farmland and farmland of statewide importance as per the Farmland Protection Policy Act (FPPA). According to the websoilsurvey map, the small area that will be directly disturbed by the road extension project falls predominantly within the W or water mapunit. At this magnified scale, the soil survey lines don't quite match the landscape. In my estimation, most of the work will be done within the DkF mapunit and therefore no Prime Farmlands or Farmlands of Statewide Importance will be impacted. I do not believe that any additional action is required on your part with regards to the FPPA.

If you have additional questions or concerns, please feel free to contact me at (717)-237- 2207 or e-mail to yuri.plowden@usda.gov.

Sincerely,

Yuri Plowden
State Soil Scientist, NRCS
Harrisburg, PA

Cc: Matt Heffner, District Conservationist, Indiana County, PA
Dan Ludwig, State Resource Conservationist, Harrisburg, PA

EXHIBIT 8

EPA Map of Virtual Aquifers

EPA United States Environmental Protection Agency

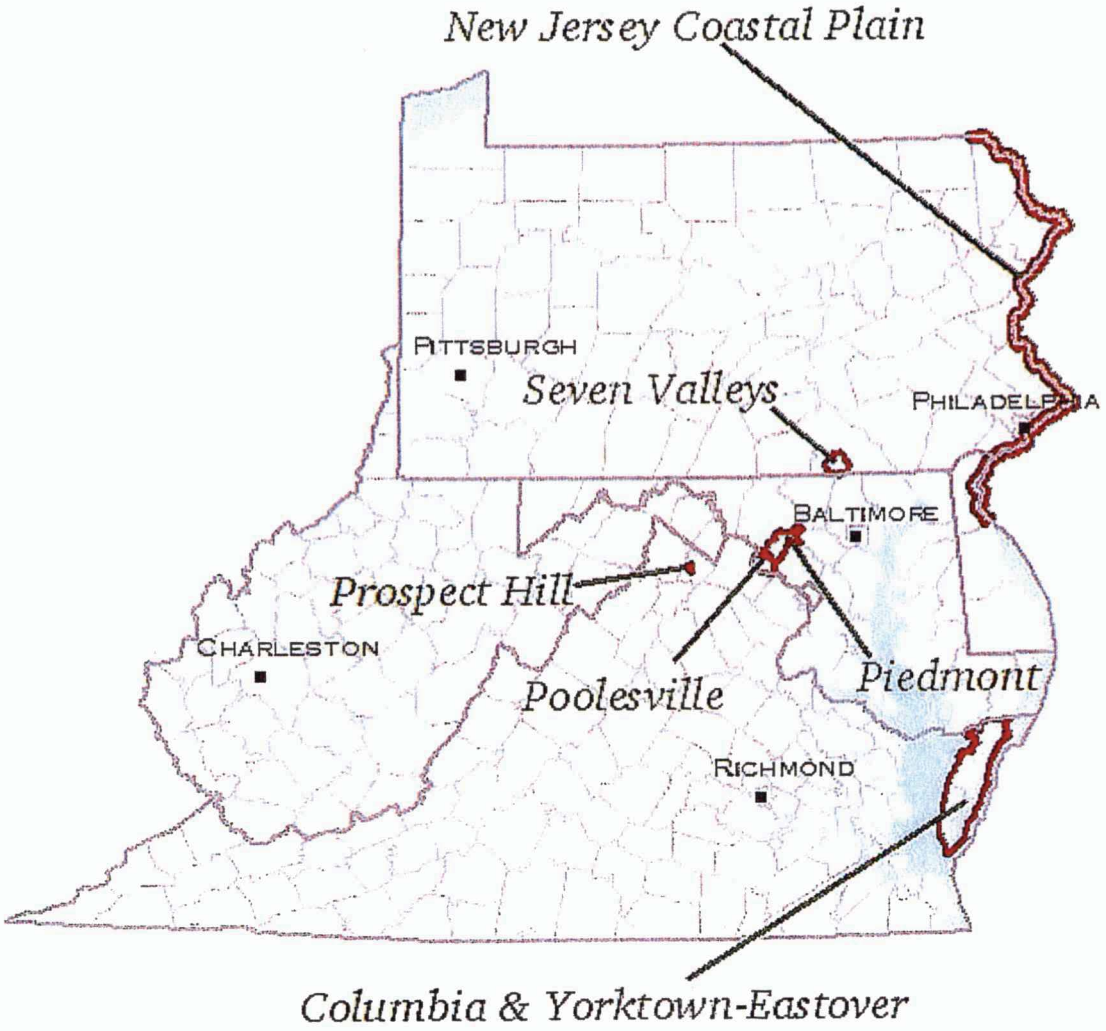
Virtual Aquifers

Region 3 Water Protection Division
Sole Source Aquifer Program

What is a sole source aquifer ? (and other information)

Click on the aquifer system name in the list below or on the map to access individual maps (note: pages contain frames) .

- Columbia and Yorktown-Eastover Multiaquifer
- Maryland Piedmont Aquifer
- New Jersey Coastal Plain Aquifer
- Poolesville Area Aquifer
- Prospect Hill Aquifer
- Seven Valleys Aquifer



Web created and maintained by:
EPA R3 GIS Team
Environmental Assessment & Innovation Division

Last Update:
February 2, 2007

EXHIBIT 9

Letter from Indiana County Office of Planning and Development

Indiana County
Office of Planning & Development

EXECUTIVE DIRECTOR

Byron G. Stauffer, Jr.

ASSISTANT DIRECTOR

LuAnn Zak

Indiana County Courthouse Annex
801 Water Street
Indiana, Pennsylvania 15701-1705

(724) 465-3870 (Voice)
(724) 465-3150 (Fax)
(724) 465-3805 (TDD)

September 2, 2020

Daniel R. Fischman, Environmental Scientist
Bankson Engineers, Inc.
267 Blue Run Road
Suite 200
Cheswick, PA 15024

RE: Planning Consistency & Support Letter for The Central Indiana County Water Authority's Raw Water Reservoir Dredging Project

Mr. Fischman,

On behalf of the Indiana County Office of Planning & Development, I am writing to confirm that the proposed Raw Water Reservoir Dredging Project, located in White Township, Indiana County, is consistent with all related comprehensive planning documents adopted by the County of Indiana.

Based on information submitted to our office, we understand that the proposed project involves the extension of an existing roadway by 300 feet and dredging the existing raw water reservoir. Our review of the proposed project demonstrated multiple alignments with County planning documents. However, the most specific was found in Chapter 5: Water and Sewer Facilities of the Indiana County Comprehensive Plan adopted in 2012 by the Indiana County Commissioners. Recommendations in this chapter state "Provide adequate and appropriately located public water and sewer services to protect public health, encourage economic development and manage growth (p. 5.23)". Again, we are pleased to advise you that the proposed project is consistent with all related planning documents, including the 2012 Indiana County Comprehensive Plan.

Respectfully,

Josh Krug, Deputy Director, Planning Section

Cc: Byron Stauffer Jr., Executive Director; LuAnn Zak, Assistant Director; Molly Sarver, Senior Land Use Planner

EXHIBIT 10

Letter from the White Township Zoning Department

White Township Supervisors

950 INDIAN SPRINGS ROAD
INDIANA, PENNSYLVANIA 15701-3506
(724) 463-8585 FAX (724) 463-0705

September 04, 2020

Daniel R. Fischman, Environmental Scientist
Bankson Engineers, Inc.
267 Blue Run Road
Suite 200
Cheswick, PA 15024

Via Email: dfischman@banksonengineers.com

RE: The Central Indiana County Water Authority – Municipal Planning Consistency Letter

Dear Mr. Fischman,

White Township is in receipt of your request for a Municipal Planning Consistency Letter. It is the understanding of White Township that a 300' road extension and dredging of the existing raw water reservoir will take place. The project is consistent with the White Township Comprehensive Plan and Long-Range Township Planning Goals.

If you have any questions or concerns, please do not hesitate to contact me at the above address and telephone number.

Sincerely,

Chris Anderson
Assistant Manager