



United States Department of the Interior

FISH AND WILDLIFE SERVICE
Pennsylvania Ecological Services Field Office
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State College, PA 16801-7987
Phone: (814) 234-4090 Fax: (814) 234-0748



In Reply Refer To:

03/20/2025 15:50:27 UTC

Project Code: 2023-0057524

Project Name: Tioga-Hammond Master Plan

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological

evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see <https://www.fws.gov/program/migratory-bird-permit/what-we-do>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see <https://www.fws.gov/library/collections/threats-birds>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/partner/council-conservation-migratory-birds>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Bald & Golden Eagles
- Migratory Birds
- Wetlands

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Pennsylvania Ecological Services Field Office

110 Radnor Road Suite 101
State College, PA 16801-7987
(814) 234-4090

PROJECT SUMMARY

Project Code: 2023-0057524

Project Name: Tioga-Hammond Master Plan

Project Type: Land Management Plans - NWR

Project Description: This project is for the USACE Tioga-Hammond, Cowanesque Master Plan that provides updated land use zones and provides guidance for stewardship of natural resources and management for long-term public access to, and use of, the natural resources at Tioga-Hammond Dam and Cowanesque Dam. No physical changes to the ground or surface are expected to occur as a result of the updated master plan. Rather, land use classifications will be revised to guide future management efforts.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@41.8779895,-77.12415986793673,14z>



Counties: Tioga County, Pennsylvania

ENDANGERED SPECIES ACT SPECIES

There is a total of 4 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Endangered

CLAMS

NAME	STATUS
Green Floater <i>Lasmigona subviridis</i> There is proposed critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/7541	Proposed Threatened

INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> There is proposed critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/9743	Proposed Threatened

FLOWERING PLANTS

NAME	STATUS
Northeastern Bulrush <i>Scirpus ancistrochaetus</i> Population: No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6715	Endangered

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

BALD & GOLDEN EAGLES

Bald and Golden Eagles are protected under the Bald and Golden Eagle Protection Act ² and the Migratory Bird Treaty Act (MBTA) ¹. Any person or organization who plans or conducts activities that may result in impacts to Bald or Golden Eagles, or their habitats, should follow appropriate regulations and consider implementing appropriate avoidance and minimization measures, as described in the various links on this page.

1. The [Bald and Golden Eagle Protection Act](#) of 1940.
2. The [Migratory Birds Treaty Act](#) of 1918.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

There are Bald Eagles and/or Golden Eagles in your [project](#) area.

Measures for Proactively Minimizing Eagle Impacts

For information on how to best avoid and minimize disturbance to nesting bald eagles, please review the [National Bald Eagle Management Guidelines](#). You may employ the timing and activity-specific distance recommendations in this document when designing your project/activity to avoid and minimize eagle impacts. For bald eagle information specific to Alaska, please refer to [Bald Eagle Nesting and Sensitivity to Human Activity](#).

The FWS does not currently have guidelines for avoiding and minimizing disturbance to nesting Golden Eagles. For site-specific recommendations regarding nesting Golden Eagles, please consult with the appropriate Regional [Migratory Bird Office](#) or [Ecological Services Field Office](#).

If disturbance or take of eagles cannot be avoided, an [incidental take permit](#) may be available to authorize any take that results from, but is not the purpose of, an otherwise lawful activity. For assistance making this determination for Bald Eagles, visit the [Do I Need A Permit Tool](#). For assistance making this determination for golden eagles, please consult with the appropriate Regional [Migratory Bird Office](#) or [Ecological Services Field Office](#).

Ensure Your Eagle List is Accurate and Complete

If your project area is in a poorly surveyed area in IPaC, your list may not be complete and you may need to rely on other resources to determine what species may be present (e.g. your local FWS field office, state surveys, your own surveys). Please review the [Supplemental Information on Migratory Birds and Eagles](#), to help you properly interpret the report for your specified location, including determining if there is sufficient data to ensure your list is accurate.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to bald or golden eagles on your list, see the "Probability of Presence Summary" below to see when these bald or golden eagles are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
<p>Bald Eagle <i>Haliaeetus leucocephalus</i></p> <p>This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.</p> <p>https://ecos.fws.gov/ecp/species/1626</p>	<p>Breeds Sep 1 to Aug 31</p>
<p>Golden Eagle <i>Aquila chrysaetos</i></p> <p>This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.</p> <p>https://ecos.fws.gov/ecp/species/1680</p>	<p>Breeds elsewhere</p>

PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "[Supplemental Information on Migratory Birds and Eagles](#)", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

Breeding Season (■)

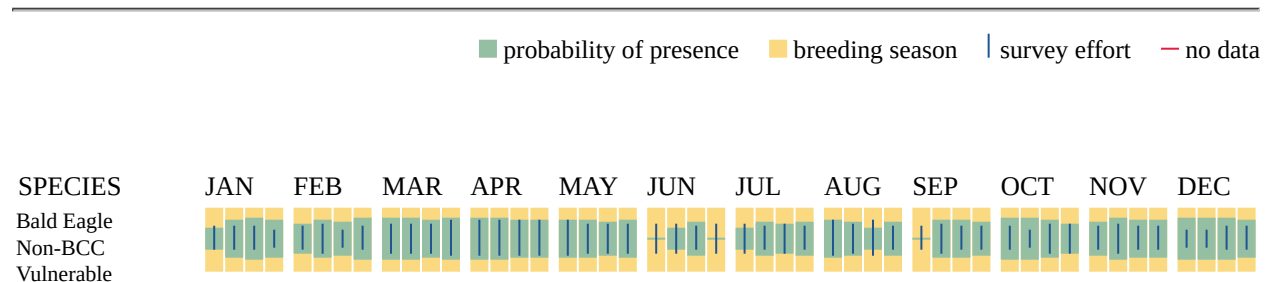
Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

Survey Effort (|)

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data (—)

A week is marked as having no data if there were no survey events for that week.



Golden Eagle
Non-BCC
Vulnerable



Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide avoidance and minimization measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

MIGRATORY BIRDS

The Migratory Bird Treaty Act (MBTA) ¹ prohibits the take (including killing, capturing, selling, trading, and transport) of protected migratory bird species without prior authorization by the Department of Interior U.S. Fish and Wildlife Service (Service). The incidental take of migratory birds is the injury or death of birds that results from, but is not the purpose, of an activity. The Service interprets the MBTA to prohibit incidental take.

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the "Probability of Presence Summary" below to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Sep 1 to Aug 31
Black-billed Cuckoo <i>Coccyzus erythrophthalmus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9399	Breeds May 15 to Oct 10

NAME	BREEDING SEASON
Black-capped Chickadee <i>Poecile atricapillus praticus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/10645	Breeds Apr 10 to Jul 31
Bobolink <i>Dolichonyx oryzivorus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9454	Breeds May 20 to Jul 31
Canada Warbler <i>Cardellina canadensis</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9643	Breeds May 20 to Aug 10
Cerulean Warbler <i>Setophaga cerulea</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/2974	Breeds Apr 27 to Jul 20
Chimney Swift <i>Chaetura pelagica</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9406	Breeds Mar 15 to Aug 25
Golden Eagle <i>Aquila chrysaetos</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1680	Breeds elsewhere
Golden-winged Warbler <i>Vermivora chrysoptera</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/8745	Breeds May 1 to Jul 20
Northern Saw-whet Owl <i>Aegolius acadicus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9101	Breeds Mar 1 to Jul 31
Prairie Warbler <i>Setophaga discolor</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9513	Breeds May 1 to Jul 31
Rusty Blackbird <i>Euphagus carolinus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9478	Breeds elsewhere

NAME	BREEDING SEASON
Wood Thrush <i>Hylocichla mustelina</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9431	Breeds May 10 to Aug 31

PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "[Supplemental Information on Migratory Birds and Eagles](#)", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

Breeding Season (■)

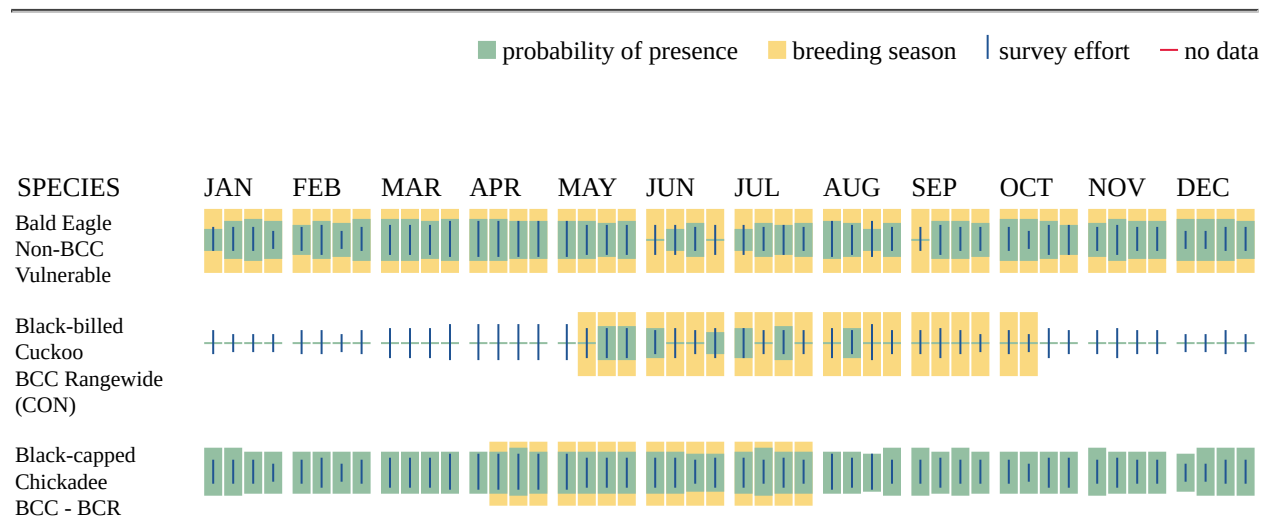
Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

Survey Effort (|)

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data (—)

A week is marked as having no data if there were no survey events for that week.





Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide avoidance and minimization measures for birds
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

WETLANDS

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

FRESHWATER EMERGENT WETLAND

- PEM1Cd
- PEM1C
- PEM1A
- PEM1E

RIVERINE

- R2USA
- R5UBH
- R3UBH
- R2UBH
- R4SBC

FRESHWATER FORESTED/SHRUB WETLAND

- PSS1E
- PSS1A
- PFO1E

FRESHWATER POND

- PUBHh
- PUBF

LAKE

- L2USAh
- L1UBHh

IPAC USER CONTACT INFORMATION

Agency: Army Corps of Engineers

Name: Laura Searles

Address: 2 Hopkins Plaza

City: Baltimore

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United States Department of the Interior

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State College, PA 16801-7987
Phone: (814) 234-4090 Fax: (814) 234-0748



In Reply Refer To:
Project Code: 2023-0031939
Project Name: Cowanesque Master Plan

03/20/2025 15:44:50 UTC

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological

evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

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The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see <https://www.fws.gov/library/collections/threats-birds>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/partner/council-conservation-migratory-birds>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

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- Bald & Golden Eagles
- Migratory Birds
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Pennsylvania Ecological Services Field Office

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PROJECT SUMMARY

Project Code: 2023-0031939

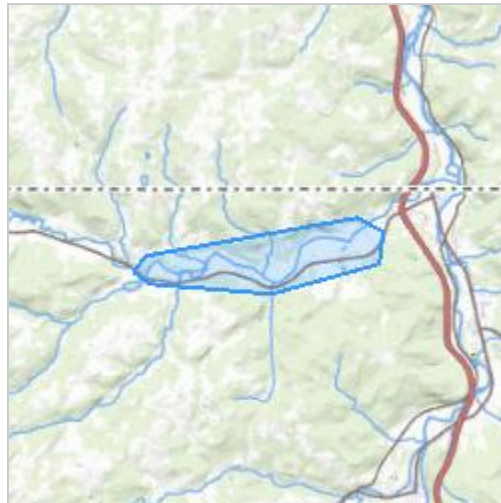
Project Name: Cowanesque Master Plan

Project Type: Land Management Plans - NWR

Project Description: This project is for the USACE Tioga-Hammond, Cowanesque Master Plan that provides updated land use zones and provides guidance for stewardship of natural resources and management for long-term public access to, and use of, the natural resources at Tioga-Hammond Dam and Cowanesque Dam. No physical changes to the ground or surface are expected to occur as a result of the updated master plan. Rather, land use classifications will be revised to guide future management efforts.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@41.9800375,-77.19384355903668,14z>



Counties: Tioga County, Pennsylvania

ENDANGERED SPECIES ACT SPECIES

There is a total of 3 threatened, endangered, or candidate species on this species list.

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See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Endangered

INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> There is proposed critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/9743	Proposed Threatened

FLOWERING PLANTS

NAME	STATUS
Northeastern Bulrush <i>Scirpus ancistrochaetus</i> Population: No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6715	Endangered

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

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USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES

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BALD & GOLDEN EAGLES

Bald and Golden Eagles are protected under the Bald and Golden Eagle Protection Act ² and the Migratory Bird Treaty Act (MBTA) ¹. Any person or organization who plans or conducts activities that may result in impacts to Bald or Golden Eagles, or their habitats, should follow

appropriate regulations and consider implementing appropriate avoidance and minimization measures, as described in the various links on this page.

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There are Bald Eagles and/or Golden Eagles in your [project](#) area.

Measures for Proactively Minimizing Eagle Impacts

For information on how to best avoid and minimize disturbance to nesting bald eagles, please review the [National Bald Eagle Management Guidelines](#). You may employ the timing and activity-specific distance recommendations in this document when designing your project/activity to avoid and minimize eagle impacts. For bald eagle information specific to Alaska, please refer to [Bald Eagle Nesting and Sensitivity to Human Activity](#).

The FWS does not currently have guidelines for avoiding and minimizing disturbance to nesting Golden Eagles. For site-specific recommendations regarding nesting Golden Eagles, please consult with the appropriate Regional [Migratory Bird Office](#) or [Ecological Services Field Office](#).

If disturbance or take of eagles cannot be avoided, an [incidental take permit](#) may be available to authorize any take that results from, but is not the purpose of, an otherwise lawful activity. For assistance making this determination for Bald Eagles, visit the [Do I Need A Permit Tool](#). For assistance making this determination for golden eagles, please consult with the appropriate Regional [Migratory Bird Office](#) or [Ecological Services Field Office](#).

Ensure Your Eagle List is Accurate and Complete

If your project area is in a poorly surveyed area in IPaC, your list may not be complete and you may need to rely on other resources to determine what species may be present (e.g. your local FWS field office, state surveys, your own surveys). Please review the [Supplemental Information on Migratory Birds and Eagles](#), to help you properly interpret the report for your specified location, including determining if there is sufficient data to ensure your list is accurate.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to bald or golden eagles on your list, see the "Probability of Presence Summary" below to see when these bald or golden eagles are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Sep 1 to Aug 31

NAME	BREEDING SEASON
Golden Eagle <i>Aquila chrysaetos</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1680	Breeds elsewhere

PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "[Supplemental Information on Migratory Birds and Eagles](#)", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

Breeding Season (■)

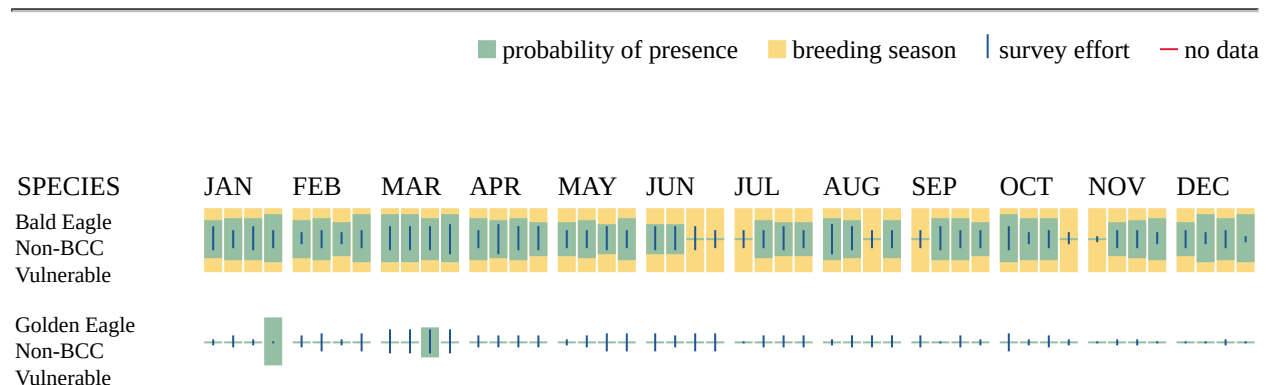
Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

Survey Effort (|)

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data (—)

A week is marked as having no data if there were no survey events for that week.



Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>

- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide avoidance and minimization measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

MIGRATORY BIRDS

The Migratory Bird Treaty Act (MBTA) ¹ prohibits the take (including killing, capturing, selling, trading, and transport) of protected migratory bird species without prior authorization by the Department of Interior U.S. Fish and Wildlife Service (Service). The incidental take of migratory birds is the injury or death of birds that results from, but is not the purpose, of an activity. The Service interprets the MBTA to prohibit incidental take.

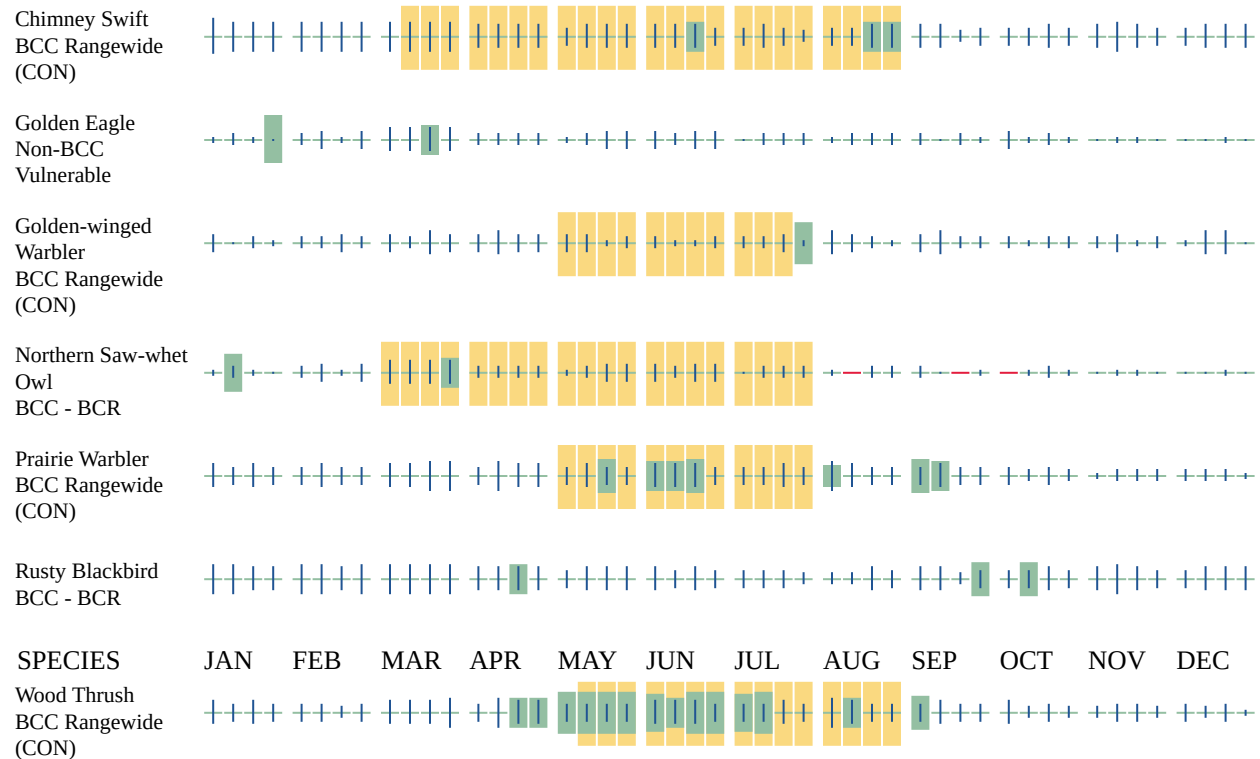
-
1. The [Migratory Birds Treaty Act](#) of 1918.
 2. The [Bald and Golden Eagle Protection Act](#) of 1940.
 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the "Probability of Presence Summary" below to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Sep 1 to Aug 31
Black-billed Cuckoo <i>Coccyzus erythrophthalmus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9399	Breeds May 15 to Oct 10
Black-capped Chickadee <i>Poecile atricapillus praticus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/10645	Breeds Apr 10 to Jul 31

NAME	BREEDING SEASON
Bobolink <i>Dolichonyx oryzivorus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9454	Breeds May 20 to Jul 31
Canada Warbler <i>Cardellina canadensis</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9643	Breeds May 20 to Aug 10
Cerulean Warbler <i>Setophaga cerulea</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/2974	Breeds Apr 27 to Jul 20
Chimney Swift <i>Chaetura pelagica</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9406	Breeds Mar 15 to Aug 25
Golden Eagle <i>Aquila chrysaetos</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1680	Breeds elsewhere
Golden-winged Warbler <i>Vermivora chrysoptera</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/8745	Breeds May 1 to Jul 20
Northern Saw-whet Owl <i>Aegolius acadicus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9101	Breeds Mar 1 to Jul 31
Prairie Warbler <i>Setophaga discolor</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9513	Breeds May 1 to Jul 31
Rusty Blackbird <i>Euphagus carolinus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9478	Breeds elsewhere
Wood Thrush <i>Hylocichla mustelina</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9431	Breeds May 10 to Aug 31

BCC Rangewide (CON)



Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide avoidance and minimization measures for birds
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

WETLANDS

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

FRESHWATER EMERGENT WETLAND

- PEM1C
- PEM1A
- PEM1Ch
- PEM1/SS1A

FRESHWATER POND

- PUBHx
- PUBHh

FRESHWATER FORESTED/SHRUB WETLAND

- PSS1E
- PFO5Hh
- PFO5Fh

LAKE

- L1UBHh

RIVERINE

- R3UBH
- R2UBH
- R5UBH
- R2USA

IPAC USER CONTACT INFORMATION

Agency: Army Corps of Engineers

Name: Laura Searles

Address: 2 Hopkins Plaza

City: Baltimore

State: MD

Zip: 21201

Email lks2456@gmail.com

Phone: 4103712855

1. PROJECT INFORMATION

Project Name: **Tioga-Hammond & Cowanesque Master Plan Update**

Date of Review: **10/5/2022 09:42:48 AM**

Project Category: **Recreation, Other**

Project Area: **9,268.86 acres**

County(s): **Tioga**

Watersheds HUC 8: **Tioga**

Watersheds HUC 12: **Corey Creek; Elkhorn Creek; Hills Creek; Lower Cowanesque River; Lower Crooked Creek; Middle Cowanesque River; Middle Crooked Creek; Middle Tioga River; Painter Run-Mill Creek; Thornbottom Creek**

Decimal Degrees: **41.898162, -77.151240**

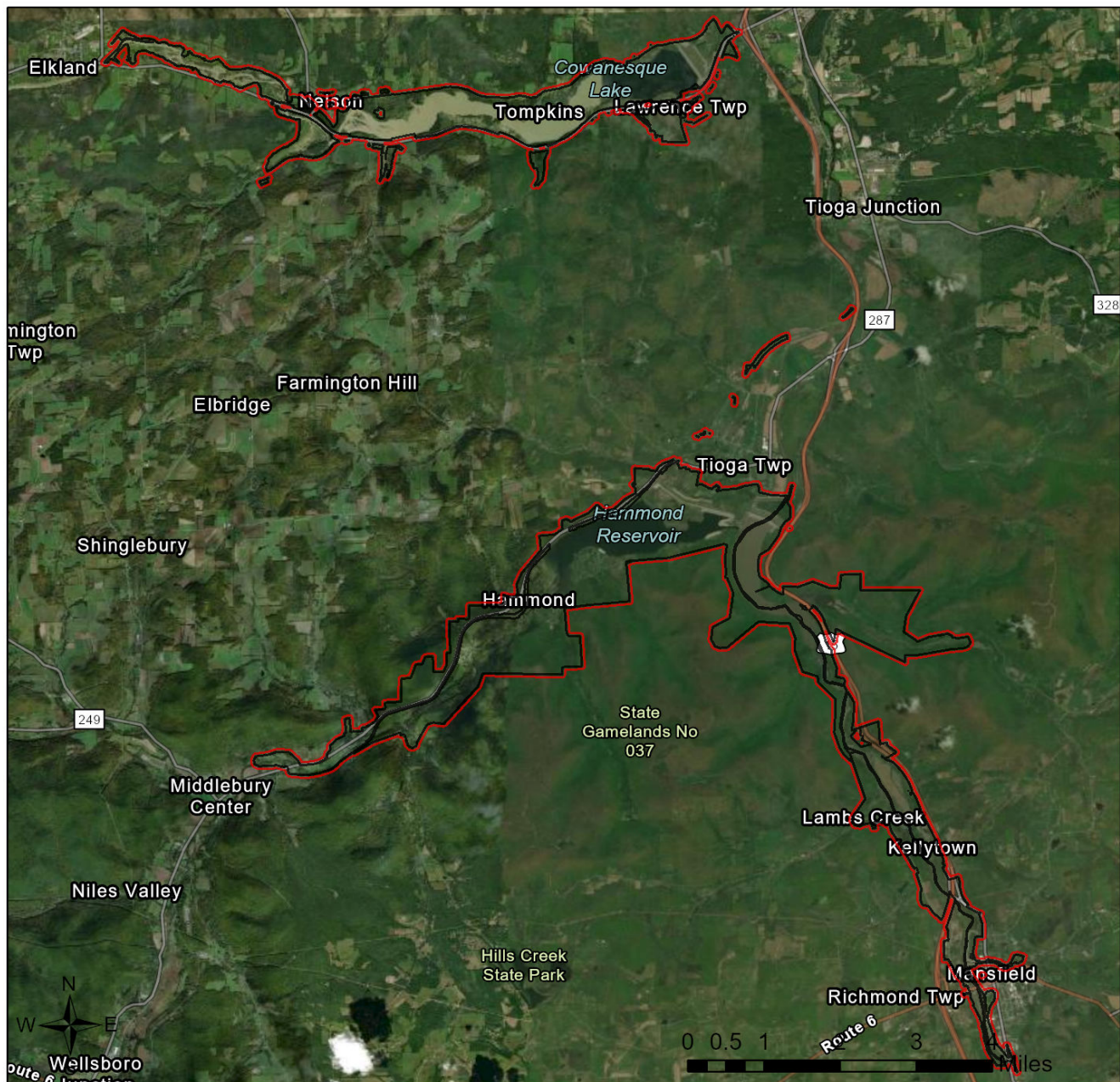
Degrees Minutes Seconds: **41° 53' 53.3830" N, 77° 9' 4.4651" W**

2. SEARCH RESULTS - LARGE PROJECT

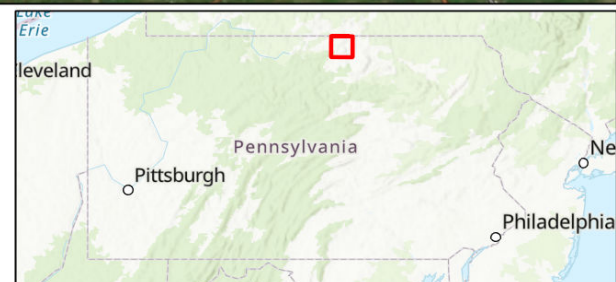
Agency	Results	Response
PA Game Commission	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
PA Department of Conservation and Natural Resources	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
PA Fish and Boat Commission	Potential Impact	FURTHER REVIEW IS REQUIRED, See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

Tioga-Hammond & Cowanesque Master Plan Update

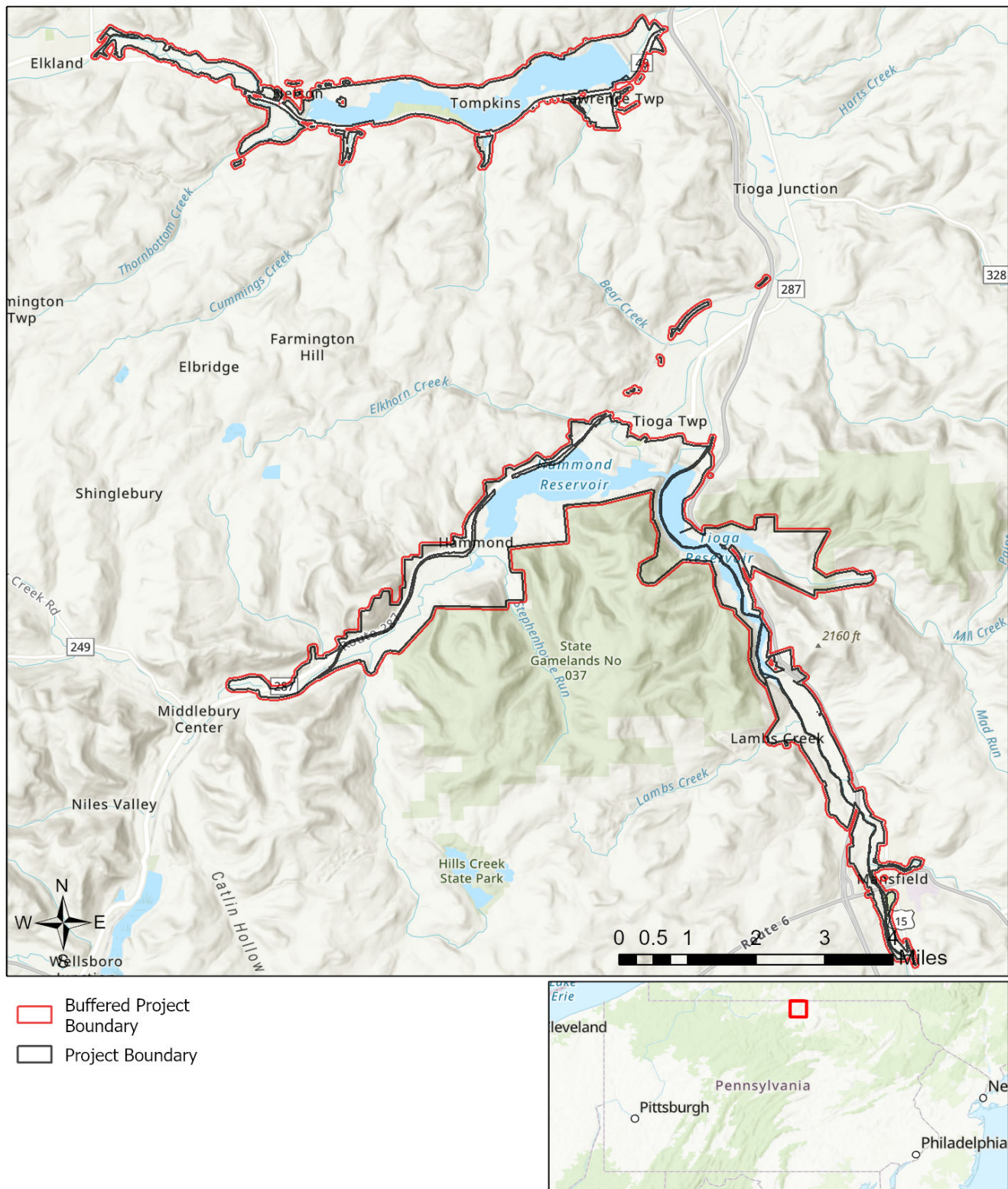


- Buffered Project Boundary
- Project Boundary



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community

Tioga-Hammond & Cowanesque Master Plan Update



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap 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 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) (see AGENCY CONTACT INFORMATION). 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 (but not USFWS).

*If information was requested by USFWS, applicants must email, or mail, project information to IR1_ESPenn@fws.gov to initiate a review. USFWS will not accept uploaded project materials.

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 Management
Division of Environmental Review
2001 Elmerton Avenue, Harrisburg, PA 17110-9797
Email: RA-PGC_PNDI@pa.gov
NO Faxes Please

7. PROJECT CONTACT INFORMATION

Name: Megan Spindler
Company/Business Name: USACE - Baltimore District
Address: 2 Hopkins Pl.
City, State, Zip: Baltimore, MD 21230
Phone: (410) 207-9987 Fax: ()
Email: megan.l.spindler@usace.army.mil

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.

applicant/project proponent signature

5 October 2022

date

Project Narrative

Tioga-Hammond & Cowanesque Dam Master Plan Update

Submitted for Pennsylvania Natural Diversity Index (PNDI) Review

US Army Corps of Engineers, Baltimore District

The U.S. Army Corps of Engineers (USACE) Baltimore District is proposing to update the Master Plan for Tioga-Hammond and Cowanesque Dams & Reservoirs, Tioga County, Pennsylvania and associated land management classifications in compliance with USACE regulations and guidance. In conjunction with the Master Plan, USACE is preparing an environmental review document in accordance with the National Environmental Policy Act (NEPA) of 1969, as amended, to evaluate the potential effects of proposed Master Plan Revisions.

Tioga-Hammond and Cowanesque Dams are two separated flood risk management projects managed under a single Master Plan given their close physical proximity and overlap of some project resources. Tioga and Hammond Dams are located at the confluence of Crooked Creek and Tioga River, about 8 miles upstream from the confluence of Tioga River with Cowanesque River near Cowanesque Dam. Cowanesque Dam is located 2.5 miles upstream of Cowanesque River's confluence with Tioga River. The Tioga River flows to Chemung River, which eventually flows into North Branch Susquehanna River. Together, project lands (including the lakes and surrounding properties) occupy approximately 12,613 acres.

Both projects' authorized purposes include flood risk management, recreation, and environmental stewardship. Cowanesque has the added project purpose of water supply. Both Tioga-Hammond and Cowanesque have recreation areas operated by USACE.

The Master Plan for the Project is the strategic land use management document that guides the comprehensive management and development actions related to all project recreational, natural, and cultural resources throughout the life of the Project. Implementation of the Master Plan and proposed land use changes must recognize and be compatible with the primary project mission of flood risk management.

USACE is proposing adoption of a new Master Plan at the Project, intended to serve as a comprehensive land and recreation management plan for the next 15 to 25 years, which reflects changes in outdoor recreation trends, regional land use, population, legislative requirements, USACE management policy, and wildlife habitat that have occurred since the 2002 Master Plan. Proposed land use classifications may include:

- Project operations: To reflect lands associated with the dam and spillway structures that are operated and maintained for fulfilling the flood risk management mission of Alvin R. Bush Dam;
- High-Density Recreation: To reflect lands that are currently developed for intensive recreational activities and include boat launches, day-use areas, and campgrounds;
- Environmentally Sensitive Areas: To include areas where scientific, ecological, cultural, or aesthetic features have been identified. Typically, limited or no development of public use is allowed on these lands.

- Multiple Resource Management Lands: To designate a predominate use described below, with the understanding that other compatible uses described below may also occur on these lands:
 - Low-Density Recreation: To support low-impact recreational opportunities such as bank fishing, hiking, wildlife viewing, and for access to the shoreline;
 - Vegetative Management: To include an ecosystem-based management approach and is designated for stewardship of forest, prairie, and other native vegetative cover;
 - Future Recreation Area: To include areas that either have site characteristics compatible with potential future development or are currently closed recreation areas;
- Water Surface:
 - Restricted: To include water areas restricted for project operations, safety, and security purposes;
 - Designated No-Wake: To protect environmentally sensitive shoreline areas and recreational water access areas from disturbance, and for public safety; and
 - Open Recreation: To include those waters available for year-round or seasonal water-based recreational use.

Alternatives considered within the NEPA document focus on the proposed land use classifications as presented in the Master Plan and the types of future development projects that could occur within the land use classifications. The NEPA document does not consider implementation of specific projects identified within the Master Plan during the master planning process as these projects are conceptual in nature. The USACE would conduct further analysis on projects identified within the master Plan and resources affected once funding is available and detailed project planning and design occur.



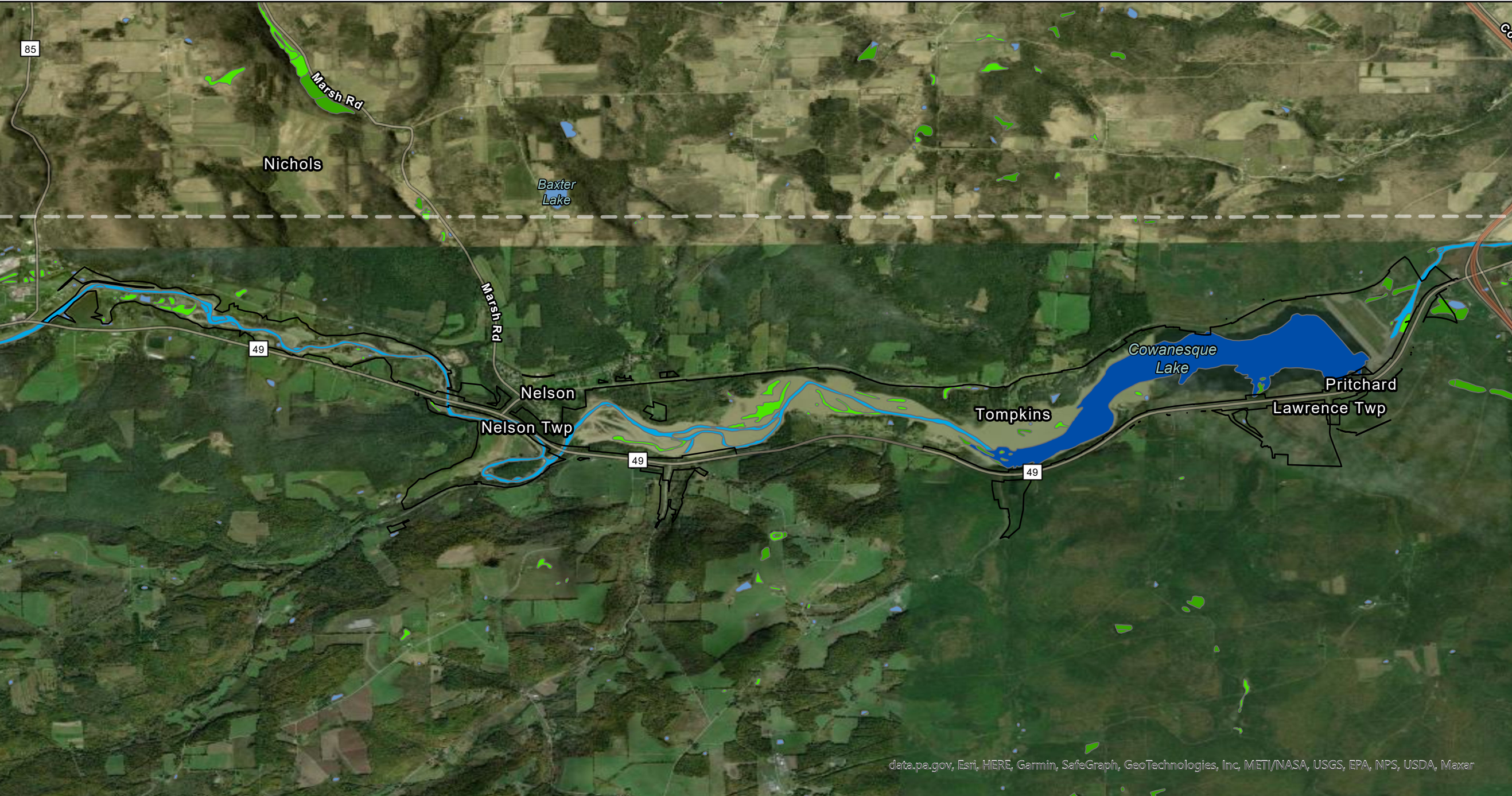
Esri, CGIAR, USGS, data.pa.gov, Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NPS



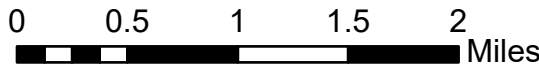


0 5 10 20 30 40 Miles

Tioga-Hammond & Cowanesque Master Plan Update Project Location Overview

October 2022




data.pa.gov, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar








Tioga-Hammond & Cowanesque Master Plan Update

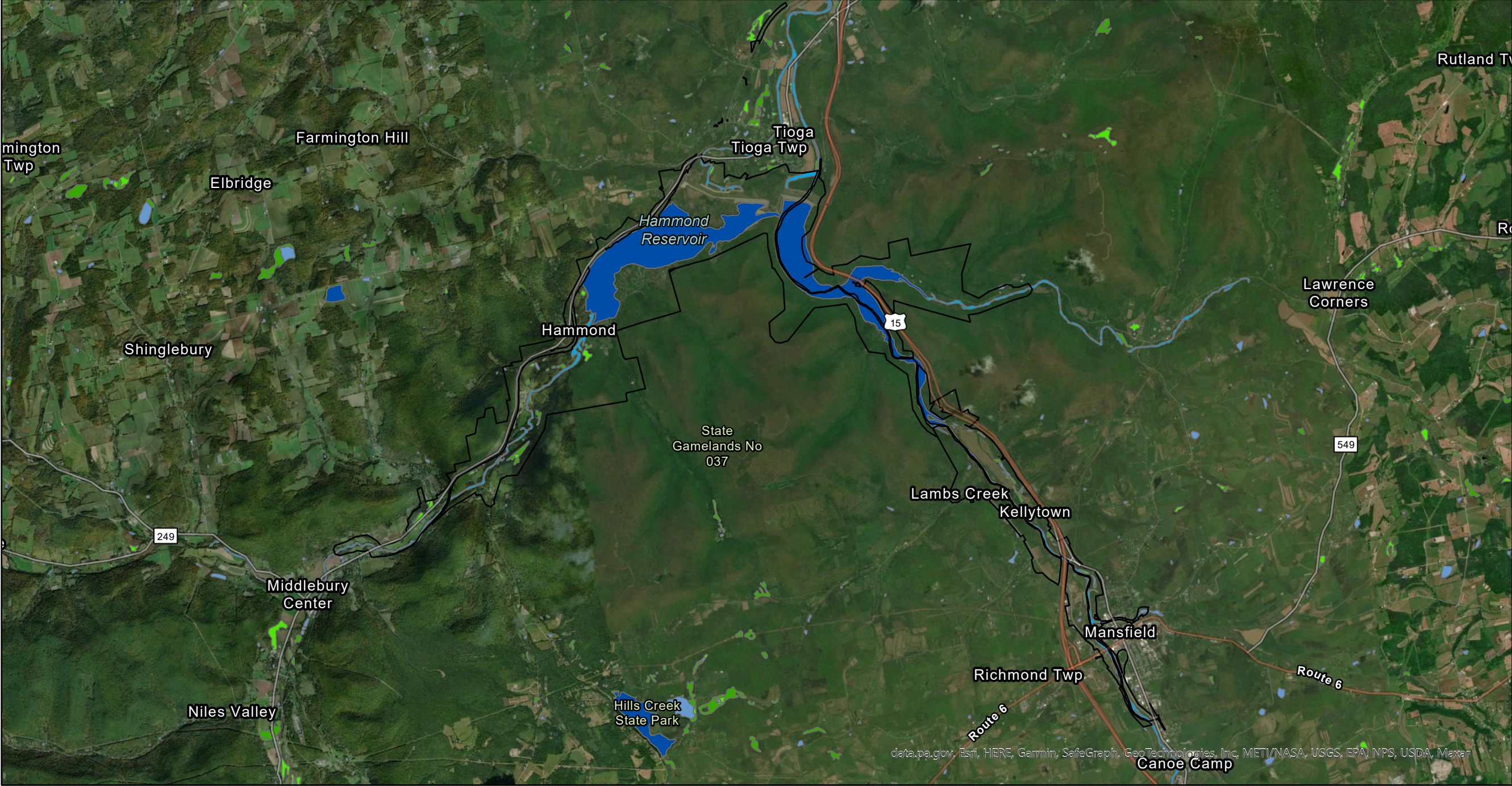
Cowanesque Lake

October 2022

 Boundary

National Wetland Inventory Wetlands

 Freshwater Emergent Wetland	 Lake
 Freshwater Forested/Shrub Wetland	 Riverine
 Freshwater Pond	



data.pa.gov, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar



0 0.8 1.5 2.3 3 Miles

Tioga-Hammond & Cowanesque Master Plan Update

Tioga-Hammond Lakes

October 2022

- Boundary
- National Wetland Inventory Wetlands
- Freshwater Emergent Wetland
 - Freshwater Forested/Shrub Wetland
 - Freshwater Pond
 - Lake
 - Riverine

BUREAU OF FORESTRY

October 25, 2022

PNDI Number: 765362

Version: Final_1; 10/5/22

Megan Spindler

USACE

2 Hopkins Plaza

Baltimore, PA 21201

Email: megan.l.spindler@usace.army.mil (hard copy will not follow)

**Re: Tioga-Hammond & Cowanesque Master Plan Update
Tioga County, PA**

Dear Megan Spindler,

Thank you for the submission of the Pennsylvania Natural Diversity Inventory (PNDI) Environmental Review Receipt Number **765362 (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 with Conservation Measure

PNDI records indicate species or resources under DCNR's jurisdiction are located in the vicinity of the project. Due to the nature of this submission, a large Master Plan Update, it is difficult to assess specific project impacts. As specific projects are identified please submit them to DCNR for further review.

With compliance to these conservation measures, DCNR has determined that no impact is likely. No further coordination with our agency is needed for this project.

Recommended Best Management Practices:

- Use a conservative approach to project design that minimizes permanent and temporary disturbances to soil and native vegetation. This will conserve habitat and limit opportunities for invasive plants.
- Clean boot treads, tools, construction equipment, and vehicles thoroughly (especially the undercarriage and wheels) before they are brought on site. This will remove invasive plant seeds and invasive earthworms/cocoons that may have been picked up at other worksites.
- Use clean project materials (e.g., weed-free straw) or materials native to the worksite to avoid introducing invasive species from contaminated sources.
- Revegetate or cover disturbed soil and stockpiles quickly to discourage the germination of invasive plants. Implement proper erosion control practices to stabilize soil and reduce runoff.
- Do not use seed mixes that include invasive species. More information about invasive plants in Pennsylvania can be found at the following link: <http://www.dcnr.pa.gov/Conservation/WildPlants/InvasivePlants/Pages/default.aspx>

- Use habitat appropriate seed mixes. For example, use a riparian seed mix when reseeding along a waterway. The Bureau of Forestry Planting & Seeding Guidelines can be found at the following link for recommendations: http://www.docs.dcnr.pa.gov/cs/groups/public/documents/document/dcnr_20031083.pdf
- Use native plants for landscaping, revegetation, and stormwater management. Do not use nonnative invasive species. Reduce the area of lawn and impermeable surfaces to the fullest extent practicable in favor of native gardens or habitat restoration (e.g., forest, meadow, wetland, etc.). More information about lawn conversion can be found at the following link: <https://www.dcnr.pa.gov/Conservation/Water/LawnConversion/Pages/default.aspx>
- Plant forest buffers where trees were historically present along streams, wetlands, and bodies of water. Buffers should be a minimum of 35 feet in width (ideally at least 100 feet in width). Where trees are not appropriate (e.g., powerline rights-of-way), buffer with native shrubs and herbaceous plants. More information about riparian buffers can be found at the following link: <https://www.dcnr.pa.gov/Conservation/Water/RiparianBuffers/Pages/default.aspx>
- Manage rights-of-way for diverse native plant communities and wildlife (e.g., monarch butterfly). In seed mixes, include wildflowers that have overlapping bloom periods and provide forage for pollinators throughout the growing season. Avoid blanket herbicide applications; instead, spot-treat undesirable tall woody vegetation and invasive weeds. Where mowing is necessary, reduce frequency to once every few years during the dormant season (i.e., after first frost in late fall and before bird nesting in early spring), leaving some refugia for overwintering wildlife.
- Monitor for invasive plants before, during, and after project activities and promptly control any identified infestations. Frequent monitoring allows for early detection and rapid response.

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.

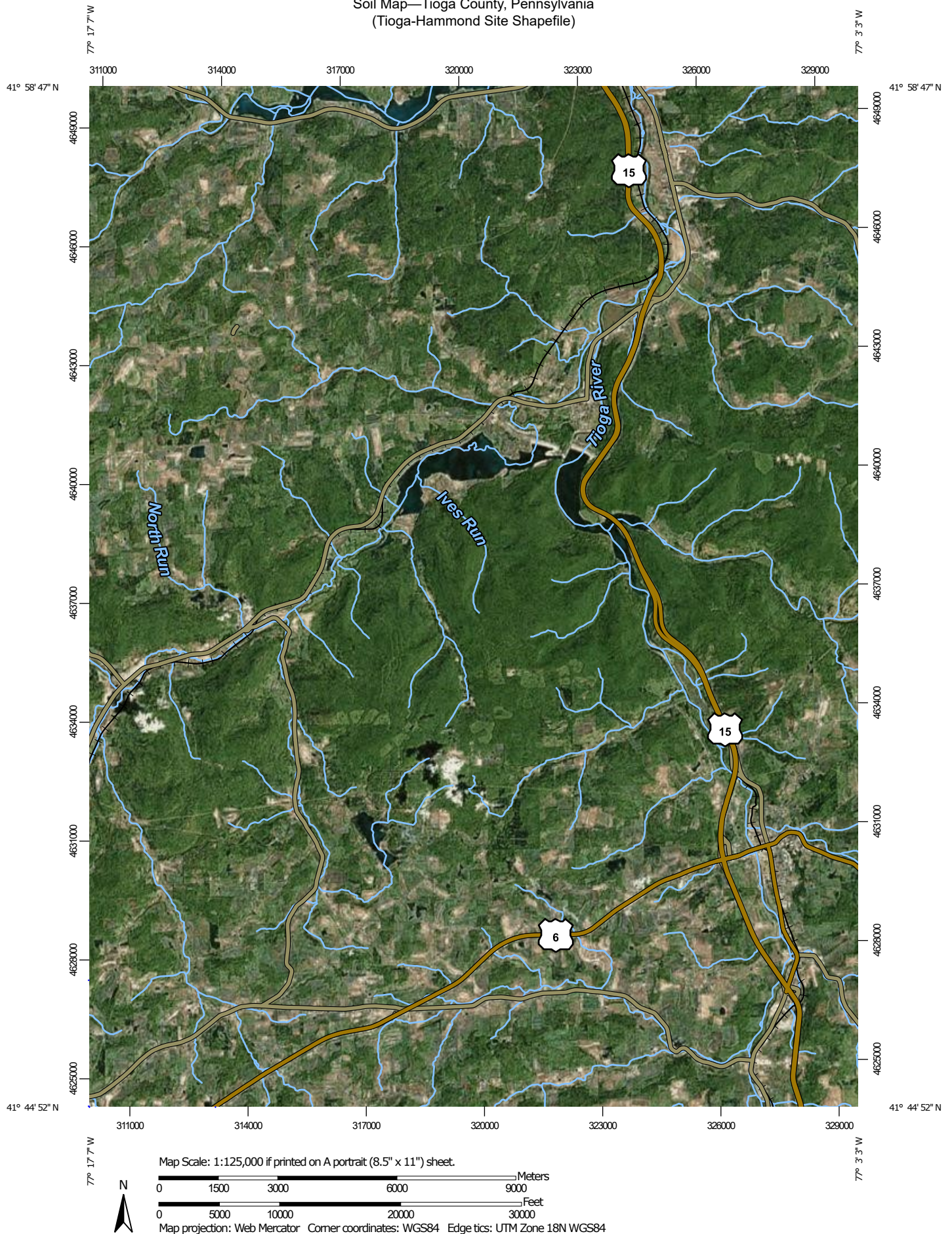
Should you have any questions or concerns, please contact Alexander Dogonniuck, Ecological Information Specialist, by phone (717-783-3913) or via email (c-adogonni@pa.gov).

Sincerely,



Greg Podniesinski, Section Chief
Natural Heritage Section


Soil Map—Tioga County, Pennsylvania (Tioga-Hammond Site Shapefile)



Soil Map—Tioga County, Pennsylvania
(Tioga-Hammond Site Shapefile)


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 1:20,000.

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: Tioga County, Pennsylvania

Survey Area Data: Version 17, Sep 6, 2022

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

Date(s) aerial images were photographed: Jul 6, 2020—Nov 7, 2020

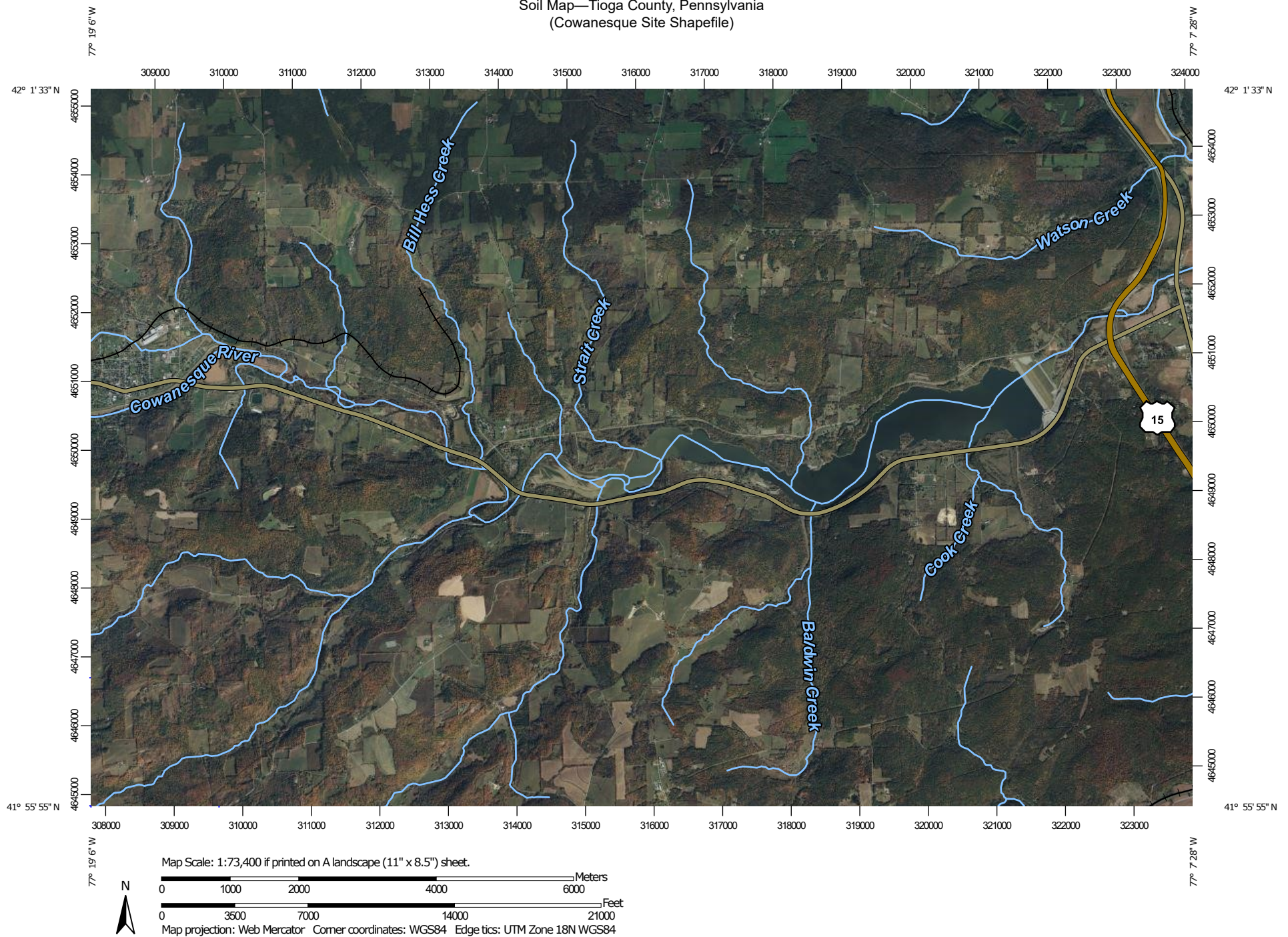
The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Ab	Alluvial land	225.0	3.5%
BvB	Braceville gravelly loam, 3 to 8 percent slopes	35.1	0.5%
ChB	Chenango gravelly loam, 2 to 12 percent slopes	594.4	9.2%
ChC	Chenango gravelly loam, 12 to 20 percent slopes	122.6	1.9%
ChD	Chenango gravelly loam, 20 to 30 percent slopes	76.5	1.2%
DAM	Dams and impoundment structures	109.4	1.7%
GP	Gravel pit	2.3	0.0%
LoB	Lordstown channery loam, 3 to 12 percent slopes	30.6	0.5%
LoC	Lordstown channery loam, 12 to 20 percent slopes	2.5	0.0%
LoD	Lordstown channery loam, 20 to 30 percent slopes	0.8	0.0%
LsD	Lordstown channery loam, 12 to 30 percent slopes, extremely stony	28.0	0.4%
MaB	Mardin channery silt loam, 3 to 8 percent slopes	0.5	0.0%
MaC	Mardin channery silt loam, 8 to 15 percent slopes	5.0	0.1%
MaD	Mardin channery silt loam, 15 to 25 percent slopes	18.9	0.3%
MoB	Morris gravelly silt loam, 3 to 8 percent slopes	32.3	0.5%
MoC	Morris gravelly silt loam, 8 to 15 percent slopes	93.3	1.4%
MoD	Morris gravelly silt loam, 15 to 25 percent slopes	71.5	1.1%
MsD	Morris gravelly silt loam, 8 to 25 percent slopes, extremely stony	18.3	0.3%
OgB	Oquaga channery loam, 3 to 12 percent slopes	19.5	0.3%
OgC	Oquaga channery loam, 12 to 20 percent slopes	148.9	2.3%
OgD	Oquaga channery loam, 20 to 30 percent slopes	310.6	4.8%
OsD	Oquaga channery loam, 12 to 30 percent slopes, extremely stony	143.7	2.2%

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
OTF	Oquaga and Lordstown channery loams, 25 to 70 percent slopes, extremely stony	1,066.7	16.5%
Ow	Orrville silt loam	219.2	3.4%
Ph	Philo silt loam	114.0	1.8%
Po	Pope soils	719.1	11.1%
Pp	Pope fine sandy loam, high bottom	92.9	1.4%
RxA	Rexford silt loam, 0 to 3 percent slopes	5.2	0.1%
RxB	Rexford silt loam, 3 to 10 percent slopes	27.0	0.4%
VoB	Volusia channery silt loam, 3 to 8 percent slopes	92.2	1.4%
VoC	Volusia channery silt loam, 8 to 15 percent slopes	169.4	2.6%
VoD	Volusia channery silt loam, 15 to 25 percent slopes	56.0	0.9%
VoD3	Volusia channery silt loam, 15 to 25 percent slopes, eroded	2.8	0.0%
VoE3	Volusia channery silt loam, 25 to 35 percent slopes, eroded	3.4	0.1%
VvB	Volusia channery silt loam, silty substratum, 3 to 8 percent slopes	102.7	1.6%
VvC	Volusia channery silt loam, silty substratum, 8 to 15 percent slopes	20.1	0.3%
VvD3	Volusia channery silt loam, silty substratum, 15 to 25 percent slopes, eroded	25.0	0.4%
W	Water	1,297.1	20.0%
Wa	Wayland silty clay loam	25.7	0.4%
WeB	Wellsboro channery loam, 3 to 8 percent slopes	9.6	0.1%
WeD	Wellsboro channery loam, 15 to 25 percent slopes	12.5	0.2%
WyC	Wyoming gravelly sandy loam, 12 to 20 percent slopes	53.7	0.8%
WyD	Wyoming gravelly sandy loam, 20 to 30 percent slopes	81.5	1.3%
WyF	Wyoming gravelly sandy loam, 30 to 50 percent slopes	131.6	2.0%
Wz	Wyoming gravelly loam, flooded	60.0	0.9%
Totals for Area of Interest		6,477.3	100.0%


Soil Map—Tioga County, Pennsylvania
(Cowanesque Site Shapefile)




Soil Map—Tioga County, Pennsylvania
(Cowanesque Site Shapefile)


MAP LEGEND

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Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Ab	Alluvial land	95.9	3.6%
BvB	Braceville gravelly loam, 3 to 8 percent slopes	23.0	0.9%
ChB	Chenango gravelly loam, 2 to 12 percent slopes	139.1	5.2%
ChC	Chenango gravelly loam, 12 to 20 percent slopes	21.5	0.8%
ChD	Chenango gravelly loam, 20 to 30 percent slopes	6.4	0.2%
CkA	Chippewa silt loam, 0 to 3 percent slopes	8.9	0.3%
CkB	Chippewa silt loam, 3 to 8 percent slopes	0.1	0.0%
DAM	Dams and impoundment structures	76.1	2.9%
LoB	Lordstown channery loam, 3 to 12 percent slopes	16.0	0.6%
LoC	Lordstown channery loam, 12 to 20 percent slopes	0.9	0.0%
LoD	Lordstown channery loam, 20 to 30 percent slopes	19.8	0.7%
LsB	Lordstown channery loam, 3 to 12 percent slopes, extremely stony	13.0	0.5%
MaC	Mardin channery silt loam, 8 to 15 percent slopes	9.3	0.3%
MaD	Mardin channery silt loam, 15 to 25 percent slopes	32.3	1.2%
OTF	Oquaga and Lordstown channery loams, 25 to 70 percent slopes, extremely stony	51.1	1.9%
Ow	Orrville silt loam	67.2	2.5%
Ph	Philo silt loam	26.6	1.0%
Po	Pope soils	180.4	6.8%
Pp	Pope fine sandy loam, high bottom	36.9	1.4%
RxA	Rexford silt loam, 0 to 3 percent slopes	13.1	0.5%
RxB	Rexford silt loam, 3 to 10 percent slopes	20.2	0.8%
TW	Tannery waste	41.4	1.6%
VoA	Volusia channery silt loam, 0 to 3 percent slopes	15.9	0.6%

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
VoB	Volusia channery silt loam, 3 to 8 percent slopes	155.8	5.9%
VoC	Volusia channery silt loam, 8 to 15 percent slopes	218.4	8.2%
VoD	Volusia channery silt loam, 15 to 25 percent slopes	80.4	3.0%
VoD3	Volusia channery silt loam, 15 to 25 percent slopes, eroded	8.8	0.3%
VoE3	Volusia channery silt loam, 25 to 35 percent slopes, eroded	8.8	0.3%
VvB	Volusia channery silt loam, silty substratum, 3 to 8 percent slopes	24.7	0.9%
VvC	Volusia channery silt loam, silty substratum, 8 to 15 percent slopes	17.1	0.6%
VvD3	Volusia channery silt loam, silty substratum, 15 to 25 percent slopes, eroded	10.0	0.4%
W	Water	1,102.5	41.5%
Wa	Wayland silty clay loam	17.2	0.6%
WyC	Wyoming gravelly sandy loam, 12 to 20 percent slopes	6.8	0.3%
WyD	Wyoming gravelly sandy loam, 20 to 30 percent slopes	26.5	1.0%
WyF	Wyoming gravelly sandy loam, 30 to 50 percent slopes	31.2	1.2%
Wz	Wyoming gravelly loam, flooded	36.3	1.4%
Totals for Area of Interest		2,659.8	100.0%



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, BALTIMORE DISTRICT
2 HOPKINS PLAZA
BALTIMORE, MD 21201

Andrea Lowery
State Historic Preservation Officer
Pennsylvania Historical & Museum Commission
400 North Street
Harrisburg, PA 17120-0093

March 7, 2024

Dear Ms. Lowery:

The purpose of this letter is to initiate consultation with your office in accordance with Section 106 of the National Historic Preservation Act, as amended, and its implementing regulations at 36 Code of Federal Regulations Part 800, regarding an update to the Tioga-Hammond Dams Master Plan. The U.S. Army Corps of Engineers, Baltimore District (USACE) is updating the Master Plan for the Tioga-Hammond Dams in Tioga County, Pennsylvania (Enclosure 1). The Tioga-Hammond Dams are multipurpose water resources projects constructed and operated by USACE.

The 2024 Master Plan is intended to serve as a comprehensive land and recreation management plan for the next 15 to 25 years and is needed to update the 1975 Tioga-Hammond Lakes Master Plan. The 2024 Master Plan will provide updated guidance for stewardship of natural resources and management of long-term public access to, and use of, the natural resources at the Tioga-Hammond Lakes, including the land classification of the USACE-managed lands. To comply with the National Environmental Policy Act, an Environmental Assessment is also being prepared as part of this update.

The Master Plan update does not include any specifically proposed actions or projects; therefore, effects to historic properties are not anticipated as part of this effort. Any future actions or projects will have their own environmental and cultural review and coordination, as appropriate. Should we become aware of any specific undertakings with the potential to affect historic properties, we will consult further with your office regarding identification and/or assessment of those resources.

Thank you for assistance with this project. We ask that your office review the enclosed information and assist us in identifying and assessing the project's effect on historic properties. If you have any questions about the project, please contact Ethan A. Bean at (410) 962-2173 or ethan.a.bean@usace.army.mil.

Sincerely,

A handwritten signature in blue ink, appearing to read "Daniel M. Bierly", is positioned below the "Sincerely," text.

Daniel M. Bierly, P.E.
Chief, Civil Project Development Branch
Planning Division

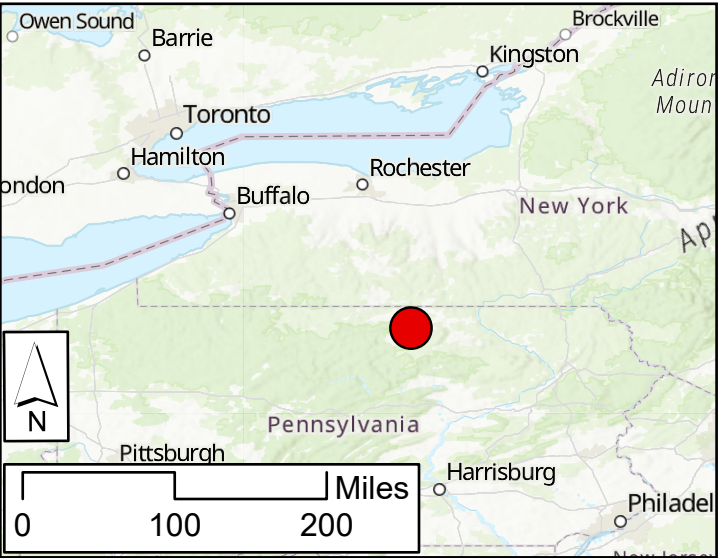
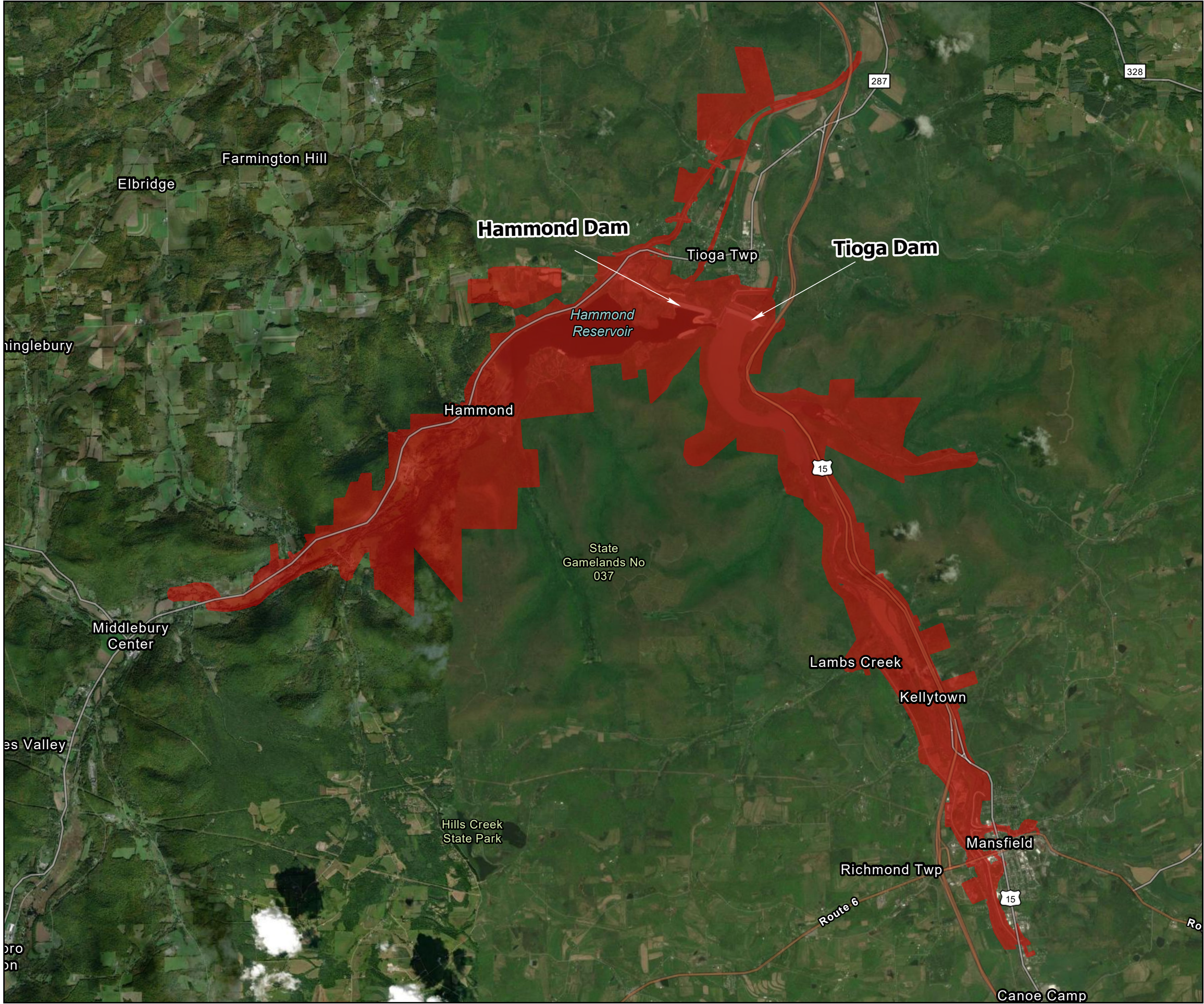
Enclosure

Tioga and Hammond Dams
Master Plan Update

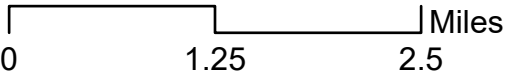
Study Area Map

Legend

Tioga and Hammond Study Area



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community





DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, BALTIMORE DISTRICT
2 HOPKINS PLAZA
BALTIMORE, MD 21201

Andrea Lowery
State Historic Preservation Officer
Pennsylvania Historical & Museum Commission
400 North Street
Harrisburg, PA 17120-0093

March 7, 2024

Dear Ms. Lowery:

The purpose of this letter is to initiate consultation with your office in accordance with Section 106 of the National Historic Preservation Act, as amended, and its implementing regulations at 36 Code of Federal Regulations Part 800, regarding an update to the Cowanesque Dam Master Plan. The U.S. Army Corps of Engineers, Baltimore District (USACE) is updating the Master Plan for the Cowanesque Dam in Tioga County, Pennsylvania (Enclosure 1). The Cowanesque Dam is a multipurpose water resources project constructed and operated by USACE.

The 2024 Master Plan is intended to serve as a comprehensive land and recreation management plan for the next 15 to 25 years and is needed to update the 1975 Cowanesque Lake Master Plan. The 2024 Master Plan will provide updated guidance for stewardship of natural resources and management of long-term public access to, and use of, the natural resources at Cowanesque Lake, including the land classification of the USACE-managed lands. To comply with the National Environmental Policy Act, an Environmental Assessment is also being prepared as part of this update.

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Thank you for assistance with this project. We ask that your office review the enclosed information and assist us in identifying and assessing the project's effect on historic properties. If you have any questions about the project, please contact Ethan A. Bean at (410) 962-2173 or ethan.a.bean@usace.army.mil.

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Daniel M. Bierly, P.E.
Chief, Civil Project Development Branch
Planning Division

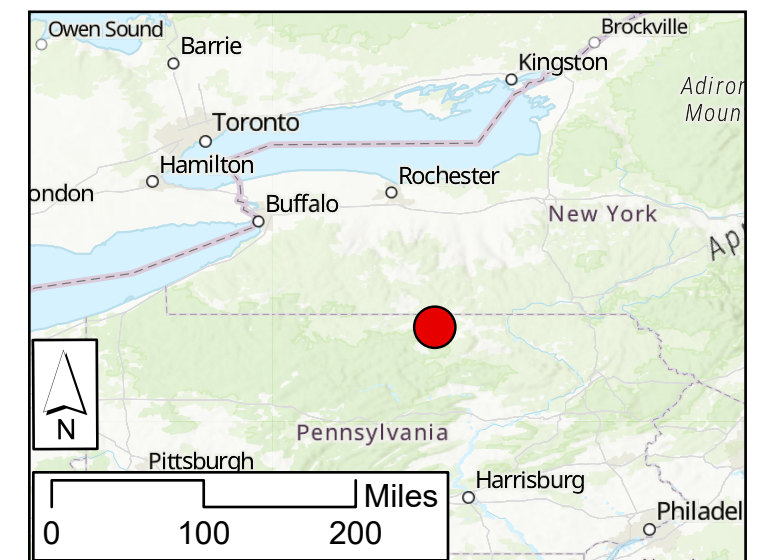
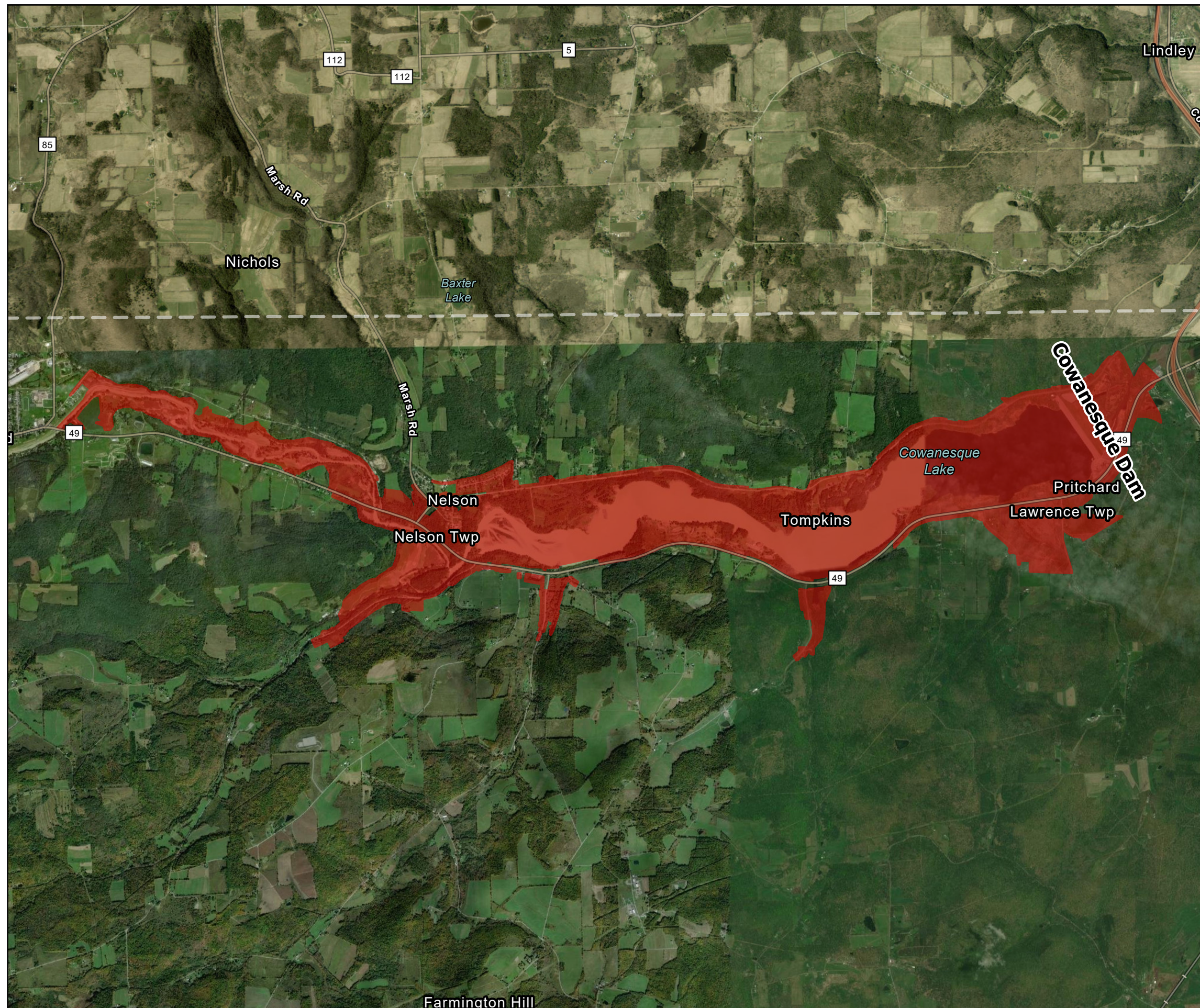
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Cowanesque Dam Master Plan Update

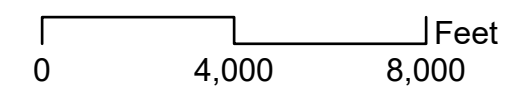
Study Area Map

Legend

 Cowanesque Study Area



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community





Pennsylvania State Historic Preservation Office

PENNSYLVANIA HISTORICAL AND MUSEUM COMMISSION

April 2, 2024

Sent Via PA-SHARE

RE: ER Project # 2024PR01208.001, Tioga-Hammond Dams 2024 Master Plan Update,
Army Corps of Engineers, Tioga Township, Tioga County

Dear Submitter,

Thank you for submitting information concerning the above referenced project. The Pennsylvania State Historic Preservation Office (PA SHPO) reviews projects in accordance with state and federal laws. Section 106 of the National Historic Preservation Act of 1966, and the implementing regulations (36 CFR Part 800) of the Advisory Council on Historic Preservation, is the primary federal legislation. The Environmental Rights amendment, Article 1, Section 27 of the Pennsylvania Constitution and the Pennsylvania History Code, 37 Pa. Cons. Stat. Section 500 et seq. (1988) is the primary state legislation. These laws include consideration of the project's potential effects on both historic and archaeological resources.

Above Ground Resources

SHPO Sends Comments - Environmental Review - SHPO Sends Above Ground Comments

We look forward to additional consultation on the identification, evaluation and consideration of historic properties to ensure historic preservation is integrated into the master plan, as required under Section 110 of the National Historic Preservation Act.

For questions concerning above ground resources, please contact Barbara Frederick at bafrederic@pa.gov.

Archaeological Resources

SHPO Sends Comments - Environmental Review - SHPO Sends Above Ground Comments

We look forward to additional consultation on the identification, evaluation and consideration of historic properties to ensure historic preservation is integrated into the master plan, as required under Section 110 of the National Historic Preservation Act.

For questions concerning archaeological resources, please contact Justin McKeel at jusmckeel@pa.gov.

Sincerely,

Emma Diehl
Environmental Review Division Manager



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, BALTIMORE DISTRICT
2 HOPKINS PLAZA
BALTIMORE, MD 21201

Deborah Dotson, President
Delaware Nation
P.O. Box 825
Anadarko, OK 73005

March 7, 2024

Dear Ms. Dotson:

The purpose of this letter is to initiate consultation with your office in accordance with Section 106 of the National Historic Preservation Act, as amended, and its implementing regulations at 36 Code of Federal Regulations Part 800, regarding an update to the Tioga-Hammond Dams Master Plan. The U.S. Army Corps of Engineers, Baltimore District (USACE) is updating the Master Plan for the Tioga-Hammond Dams in Tioga County, Pennsylvania (Enclosure 1). The Tioga-Hammond Dams are multipurpose water resources projects constructed and operated by USACE.

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Please let us know if you are interested in consulting on this project on a Government-to-Government basis, and the extent to which you wish to participate. We will provide a USACE representative at consultation meetings, and we will fully consider any information you wish to provide.

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Chief, Civil Project Development Branch
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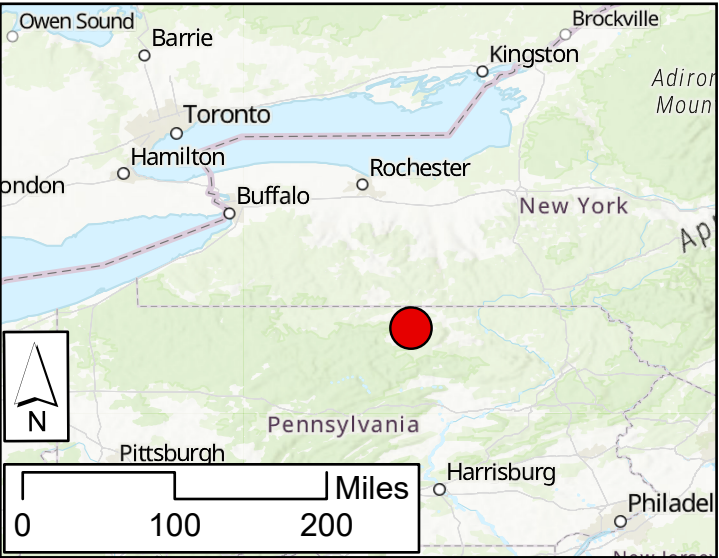
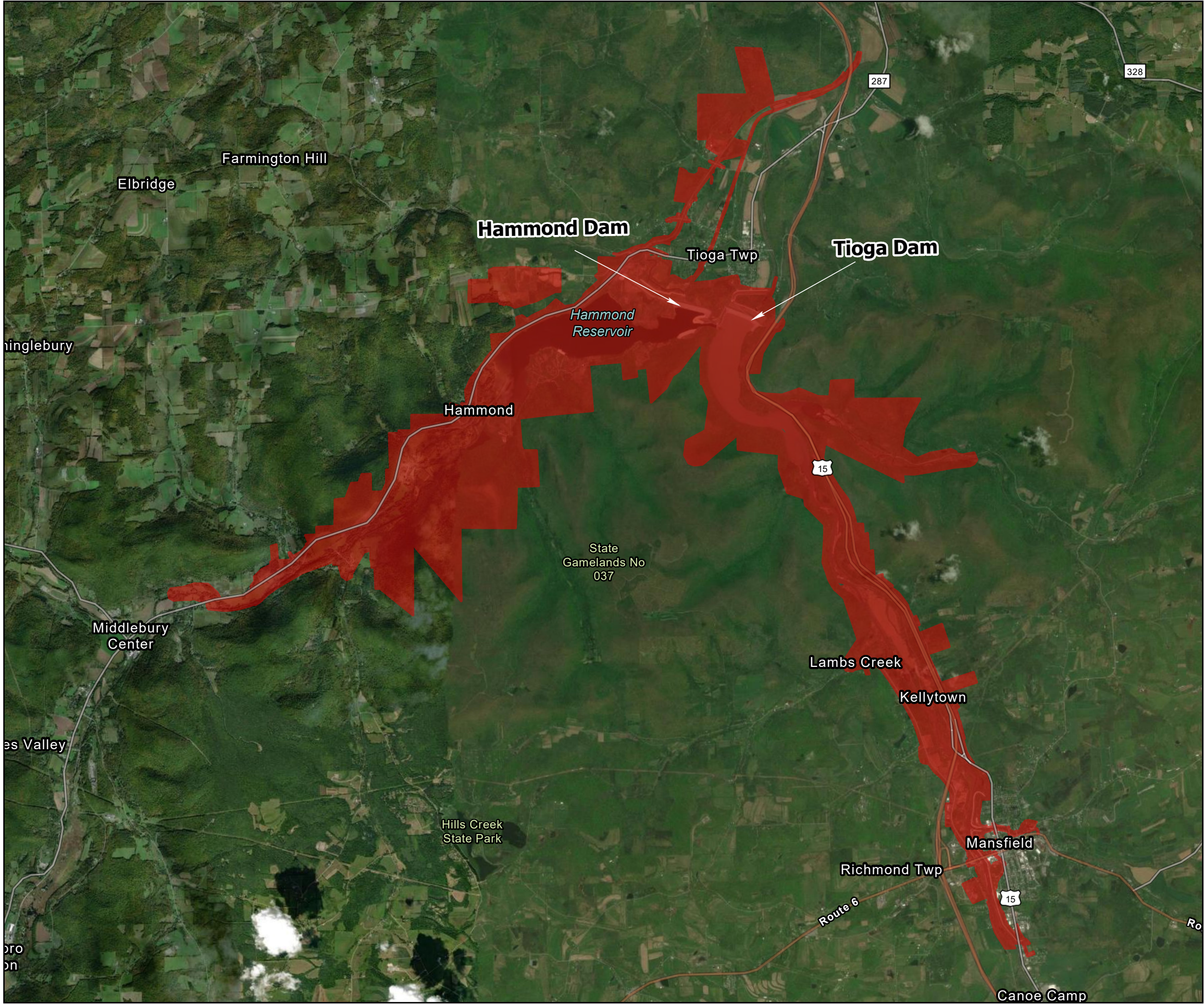
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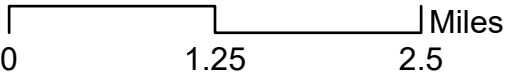
Study Area Map

Legend

Tioga and Hammond Study Area



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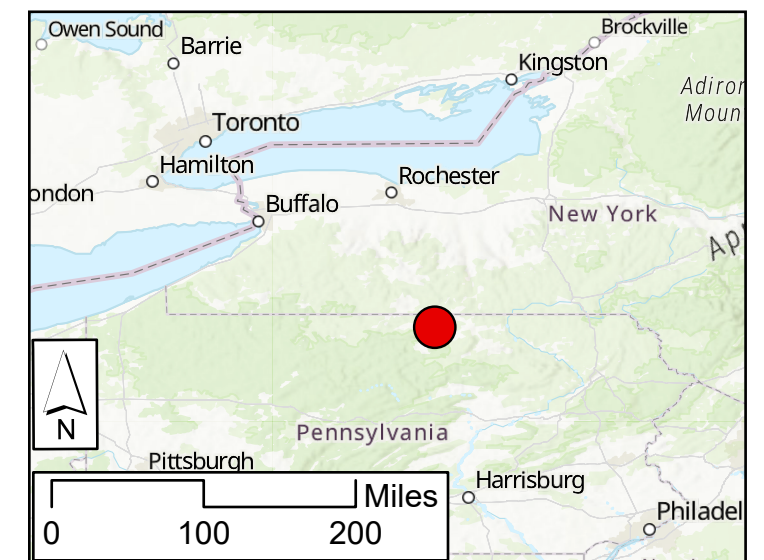
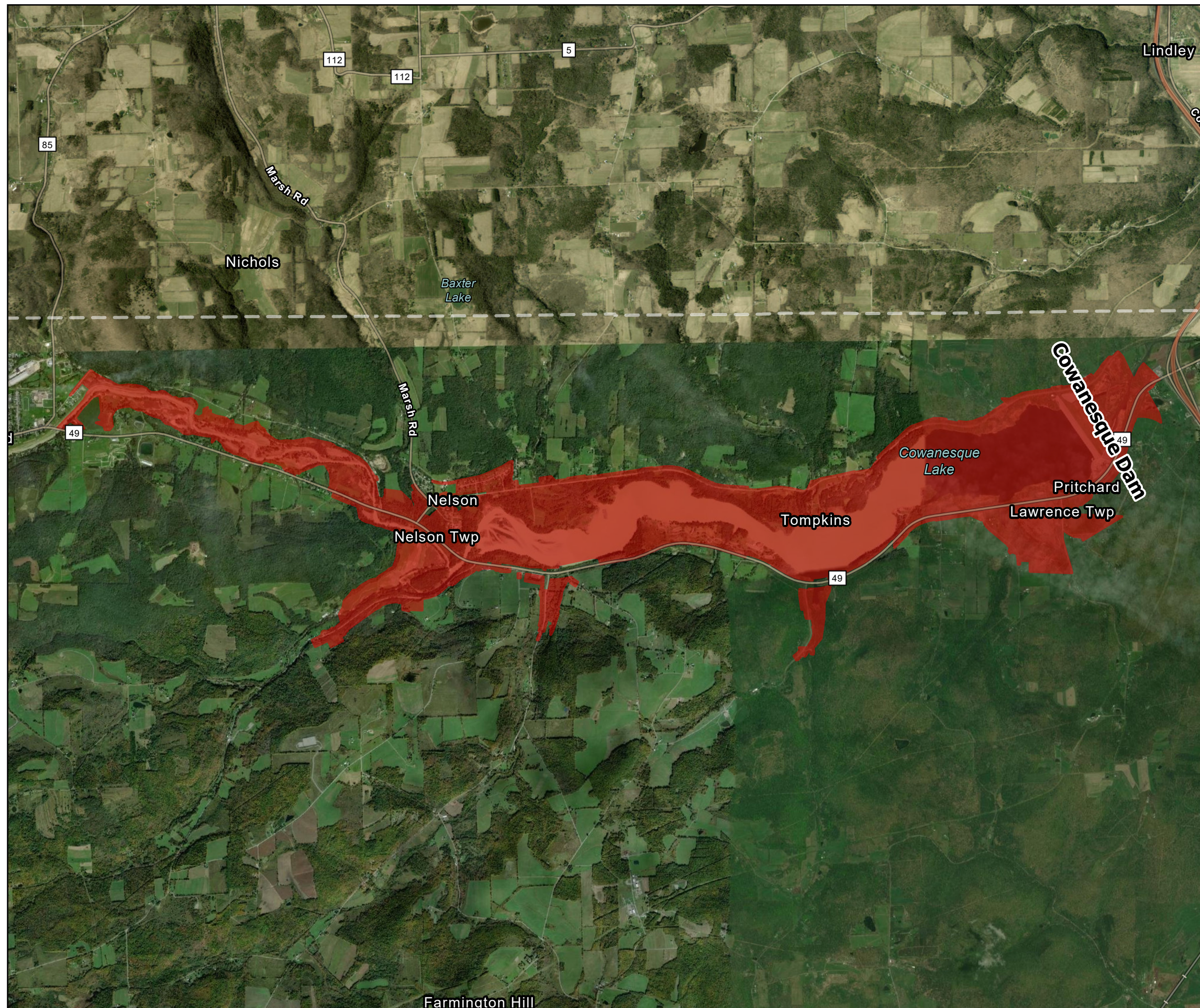
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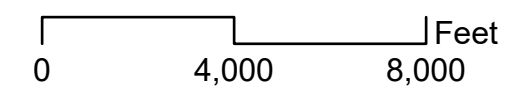
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Legend

 Cowanesque Study Area



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community





DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, BALTIMORE DISTRICT
2 HOPKINS PLAZA
BALTIMORE, MD 21201

Susan Bachor, THPO
Delaware Tribe of Indians
126 University Circle East
Stroudsburg, PA 18301

March 7, 2024

Dear Ms. Bachor:

The purpose of this letter is to initiate consultation with your office in accordance with Section 106 of the National Historic Preservation Act, as amended, and its implementing regulations at 36 Code of Federal Regulations Part 800, regarding an update to the Tioga-Hammond Dams Master Plan. The U.S. Army Corps of Engineers, Baltimore District (USACE) is updating the Master Plan for the Tioga-Hammond Dams in Tioga County, Pennsylvania (Enclosure 1). The Tioga-Hammond Dams are multipurpose water resources projects constructed and operated by USACE.

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Sincerely,

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Daniel M. Bierly, P.E.
Chief, Civil Project Development Branch
Planning Division

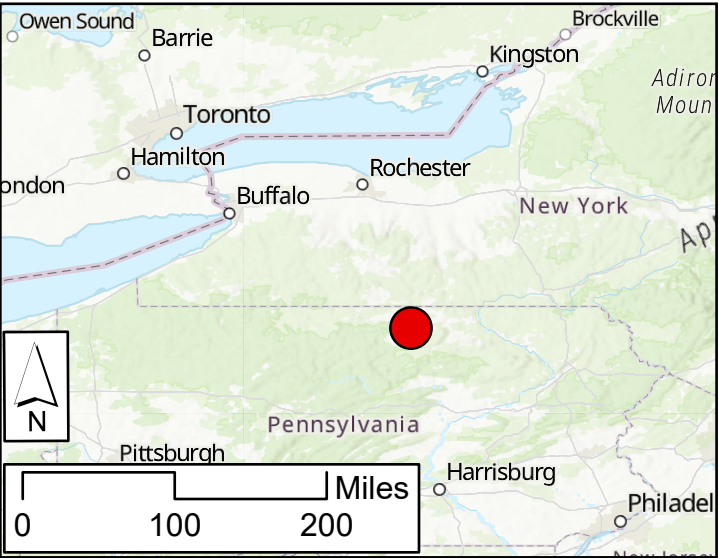
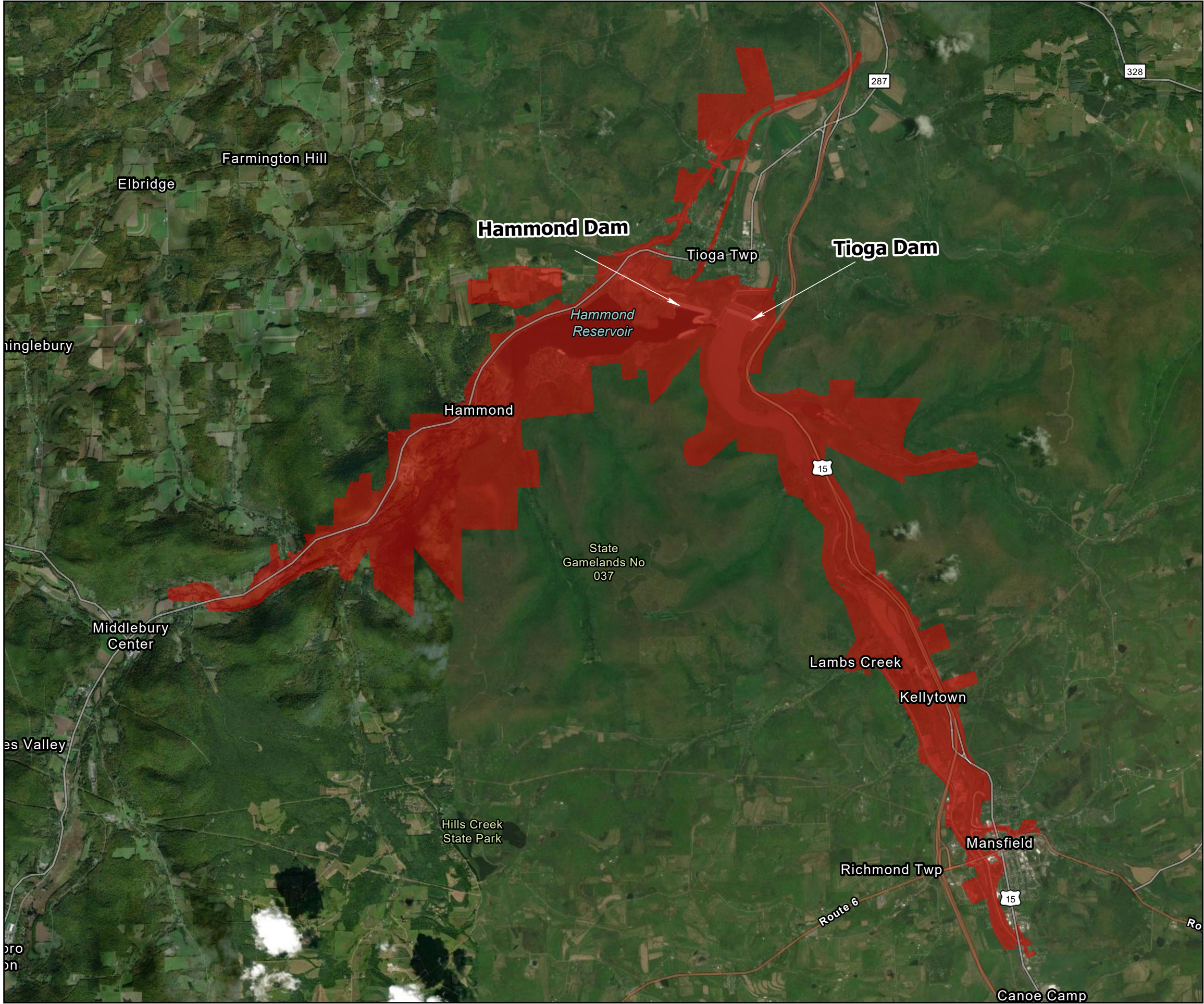
Enclosure

Tioga and Hammond Dams
Master Plan Update

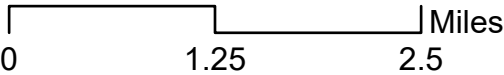
Study Area Map

Legend

Tioga and Hammond Study Area



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community





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March 7, 2024

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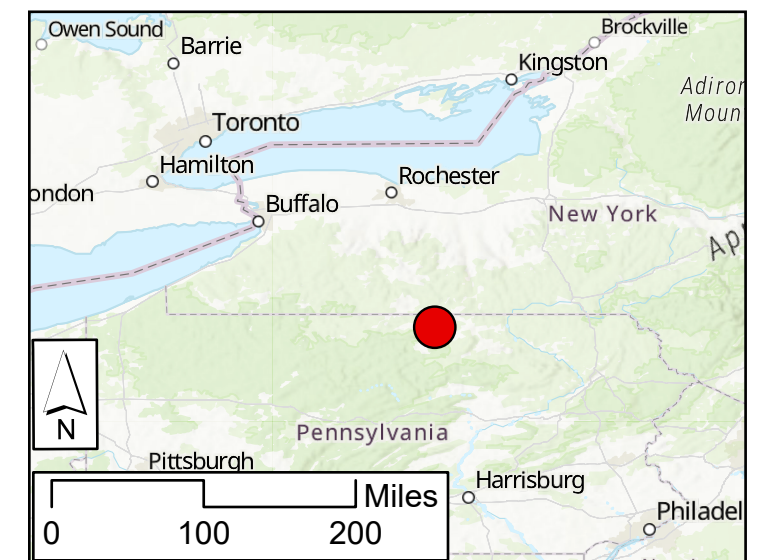
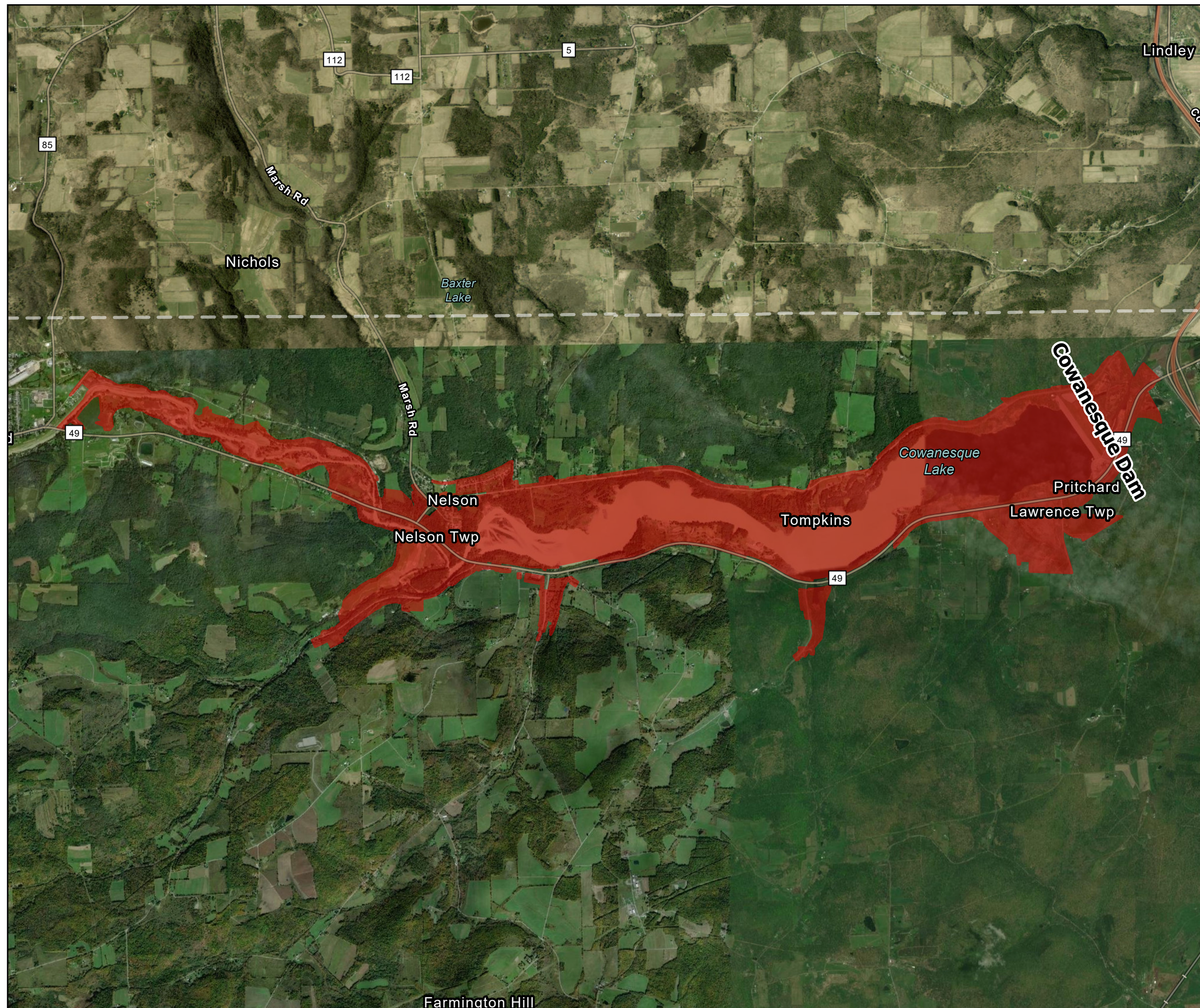
Enclosure

Cowanesque Dam Master Plan Update

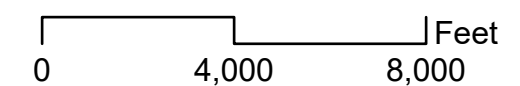
Study Area Map

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DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, BALTIMORE DISTRICT
2 HOPKINS PLAZA
BALTIMORE, MD 21201

Joe Stahlman, THPO
Seneca Nation of Indians
90 Ohi yo' Way
Salamanca, NY 14779

March 7, 2024

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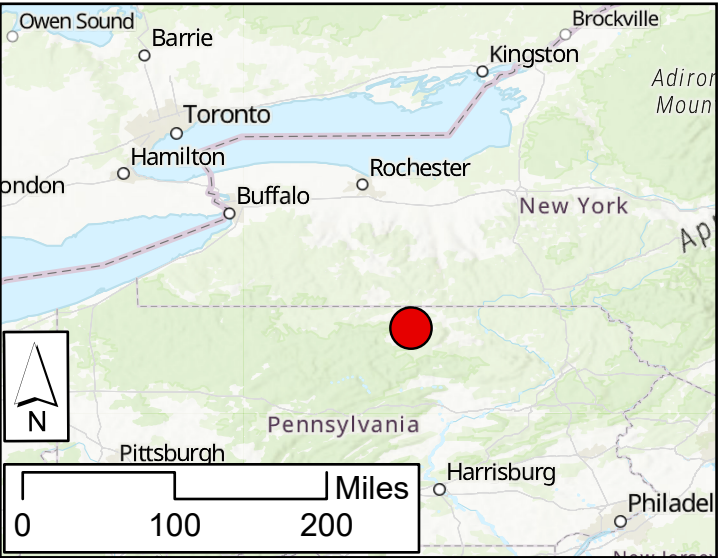
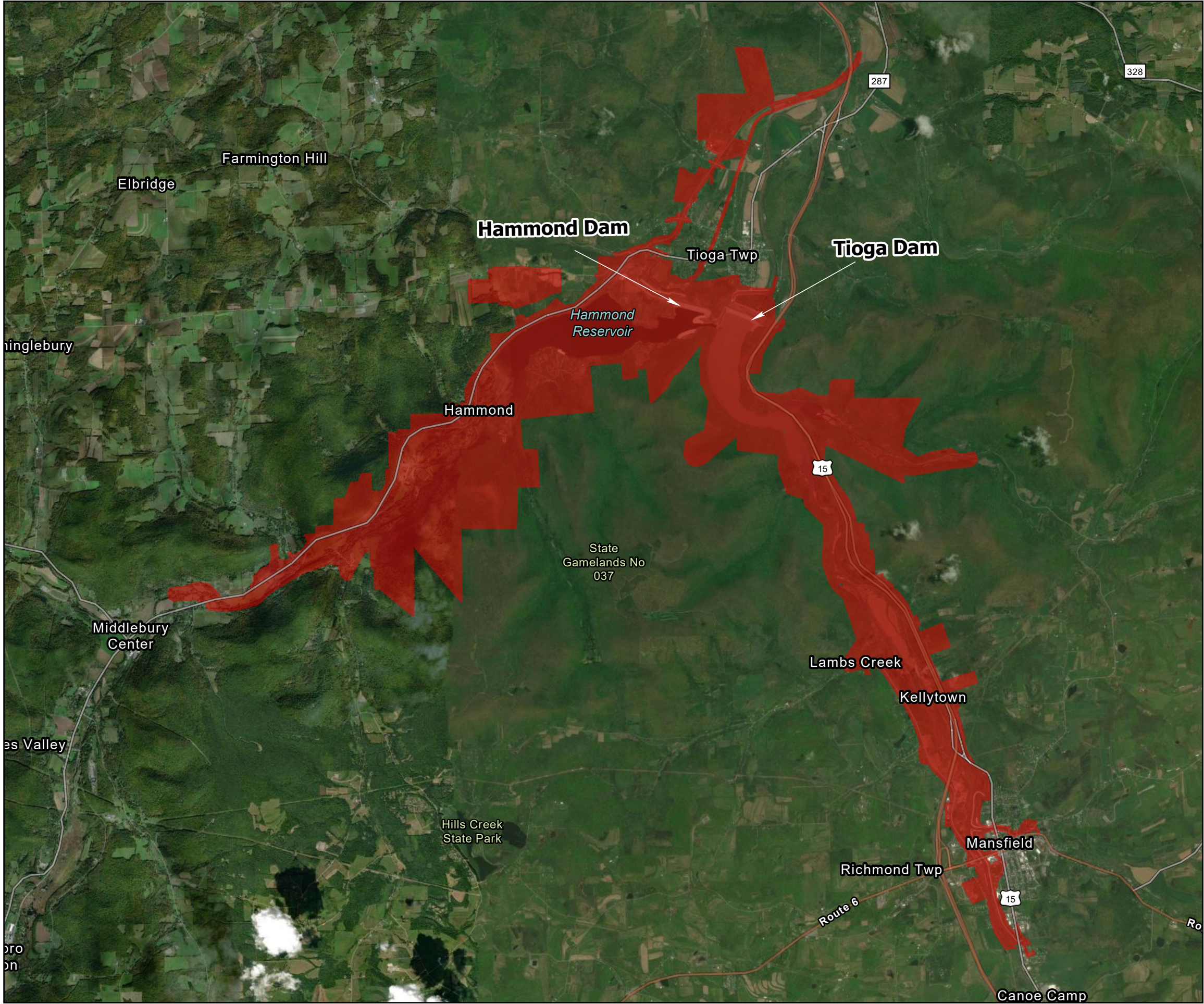
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Master Plan Update

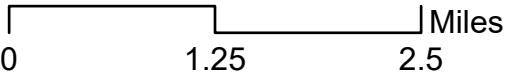
Study Area Map

Legend

Tioga and Hammond Study Area



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DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, BALTIMORE DISTRICT
2 HOPKINS PLAZA
BALTIMORE, MD 21201

Joe Stahlman, THPO
Seneca Nation of Indians
90 Ohi yo' Way
Salamanca, NY 14779

March 7, 2024

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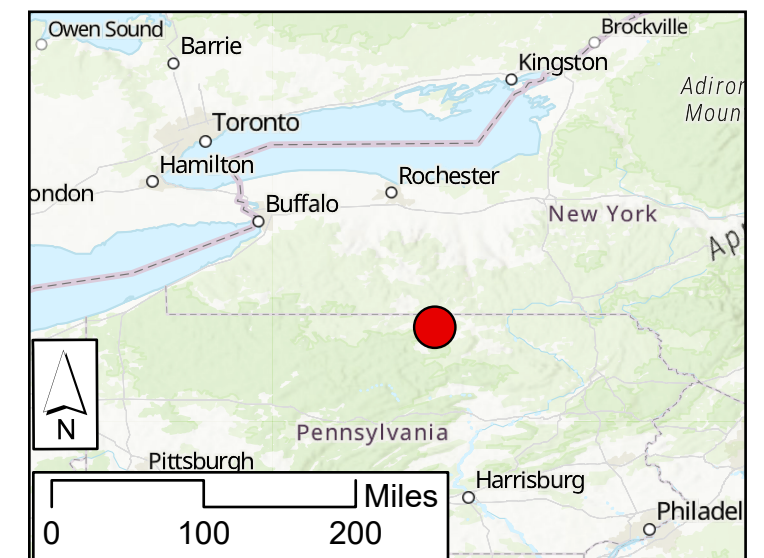
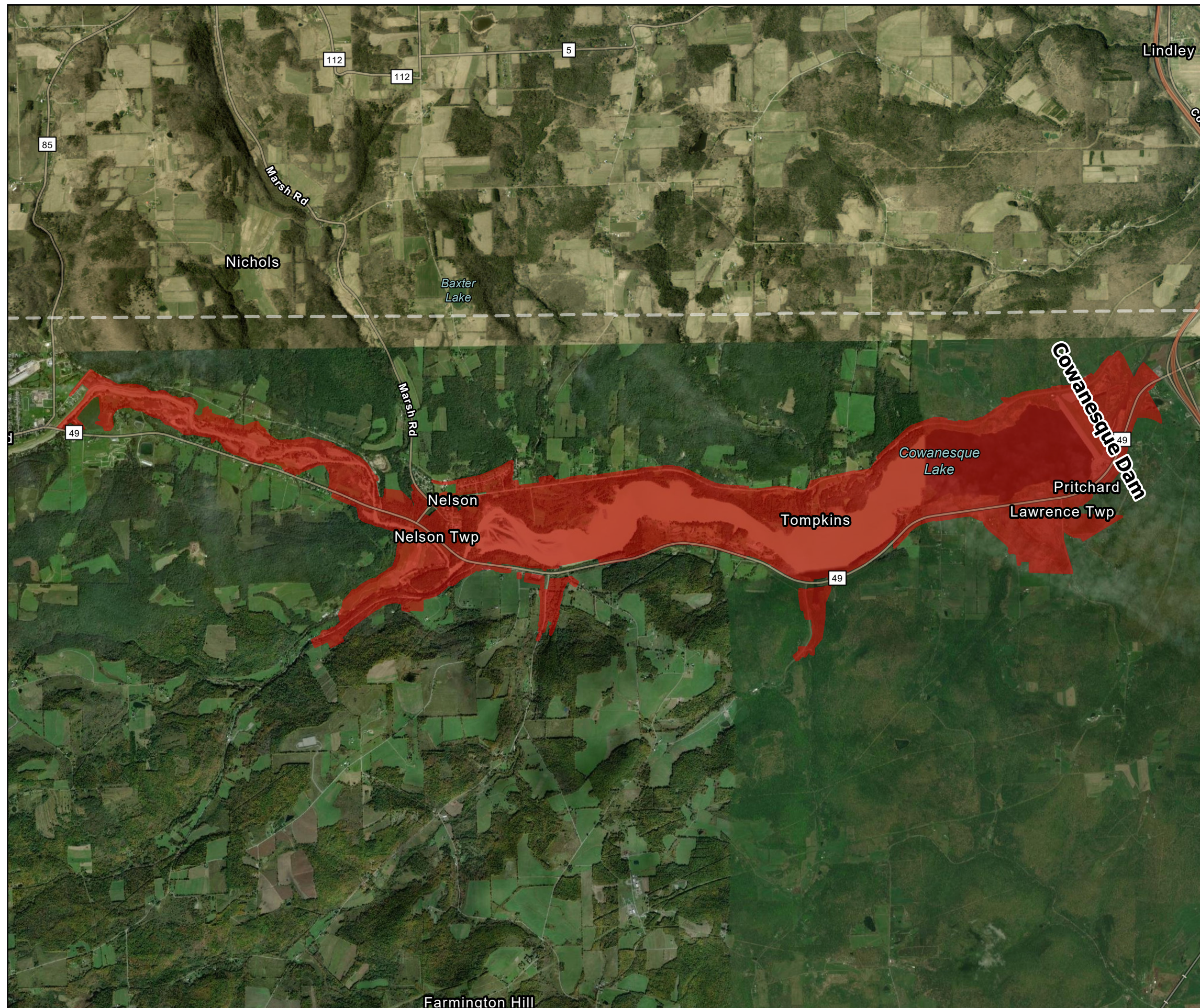
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Cowanesque Dam Master Plan Update

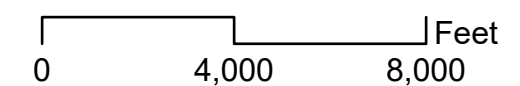
Study Area Map

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 Cowanesque Study Area



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Cunningham, Grant M CIV USARMY CENAB (USA)

From: Mcdonald, Lauren N CIV USARMY CENAB (USA)
Sent: Thursday, August 22, 2024 10:13 AM
To: Cunningham, Grant M CIV USARMY CENAB (USA)
Subject: FW: Section 106 Review - Cowanesque Dam and Tioga-Hammond Dam Master Plan 2024 Updates

Lauren McDonald
Ecologist, Planning Division
U.S. Army Corps of Engineers, Baltimore District
2 Hopkins Plaza, 10-E-26
Baltimore, MD 21201
Phone: (443) 990-6291
Email: lauren.n.mcdonald@usace.army.mil

From: Bean, Ethan A CIV USARMY CENAB (USA) <ETHAN.A.BEAN@usace.army.mil>
Sent: Wednesday, April 24, 2024 1:59 PM
To: Joe Stahlman <joe.stahlman@sni.org>; G. Peter Jemison <jemisongerald@gmail.com>; tonseneca@aol.com
Cc: Mcdonald, Lauren N CIV USARMY CENAB (USA) <Lauren.N.Mcdonald@usace.army.mil>; Jacquie Crouse <j.crouse@sni.org>; Lee M. Redeye <Lee.Redeye@sni.org>
Subject: RE: Section 106 Review - Cowanesque Dam and Tioga-Hammond Dam Master Plan 2024 Updates

Joe,

Thank you for your responses about the master plan updates. I really appreciate you providing this information as it will be helpful for both the updates as well as any future planning actions that may be proposed at the dams. As you suggested, I will be sending this information to the other Seneca communities.

I did want to clarify that no specific actions/projects are proposed as part of these master plan updates. The documents are updated to include existing conditions and potential needs/uses based on public input and interest (compared with the Projects' authorized purposes). Any specific actions like ground disturbance, new construction, etc. would undergo its own Section 106 review and consultation.

Respectfully,
Ethan

Ethan A. Bean, M.S.
Cultural Resources Specialist
History Program Manager
U.S. Army Corps of Engineers
Baltimore District

Work - Desk: (410) 962-2173
Work - Cell: (443) 742-8048
Personal: (765) 716-5828 (*text preferred*)



From: Joe Stahlman <joe.stahlman@sni.org>

Sent: Wednesday, March 27, 2024 1:56 PM

To: Bean, Ethan A CIV USARMY CENAB (USA) <ETHAN.A.BEAN@usace.army.mil>; G. Peter Jemison <jemisongerald@gmail.com>; tonseneca@aol.com

Cc: Mcdonald, Lauren N CIV USARMY CENAB (USA) <Lauren.N.Mcdonald@usace.army.mil>; Jacquie Crouse <j.crouse@sni.org>; Lee M. Redeye <Lee.Redeye@sni.org>

Subject: [Non-DoD Source] RE: Section 106 Review - Cowanesque Dam and Tioga-Hammond Dam Master Plan 2024 Updates

Mr. Bean,
SNITHPO has reviewed these projects.

For the Tioga-Hammond project. In my opinion, based on the southeastern aspect of the project, it will impact cultural properties as it moves towards Lambs Creek.

The Cowanesque Dam is more problematic. There are dozens of sites impacted by the original construction, but many others that will be impacted by the updated plan. Also, there is the infamous Losey Site with burials and a town to the east of the current location, but embedded in the proposed impacted area.

Both of these project require further discussion, but I encourage you to reach out to the Tonawanda, who also have a deep, rich history with this immediate area.

Thank you,

Joe

Dr. Joe Stahlman
Tribal Historic Preservation Office
Seneca Nation
82 W. Hetzel Street
Salamanca, NY 14779
Phone (716) 945-1760
Joe.Stahlman@sni.org





From: Bean, Ethan A CIV USARMY CENAB (USA) <ETHAN.A.BEAN@usace.army.mil>
Sent: Thursday, March 7, 2024 2:03 PM
To: Joe Stahlman <joe.stahlman@sni.org>
Cc: Mcdonald, Lauren N CIV USARMY CENAB (USA) <Lauren.N.Mcdonald@usace.army.mil>
Subject: Section 106 Review - Cowanesque Dam and Tioga-Hammond Dam Master Plan 2024 Updates

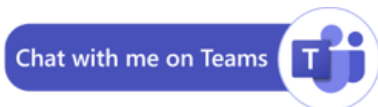
Good afternoon,

Please find attached for your review information regarding the proposed 2024 updates to the Cowanesque Dam and Tioga-Hammond Dam Master Plans in Tioga County, Pennsylvania. Please let me know if you have any questions or comments.

Respectfully,
Ethan Bean

Ethan A. Bean, M.S.
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Baltimore District

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DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, BALTIMORE DISTRICT
2 HOPKINS PLAZA
BALTIMORE, MD 21201

William Tarrant, THPO
Seneca-Cayuga Nation of Indians
P.O. Box 453220
Grove, OK 74345-3220

March 7, 2024

Dear Mr. Tarrant:

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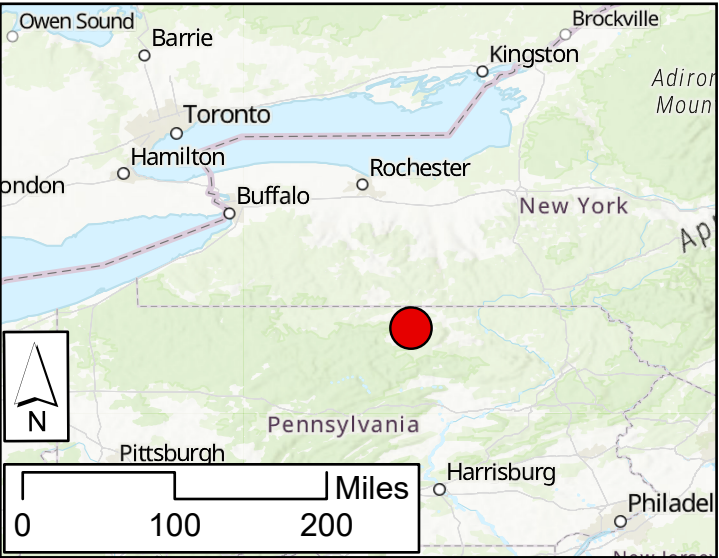
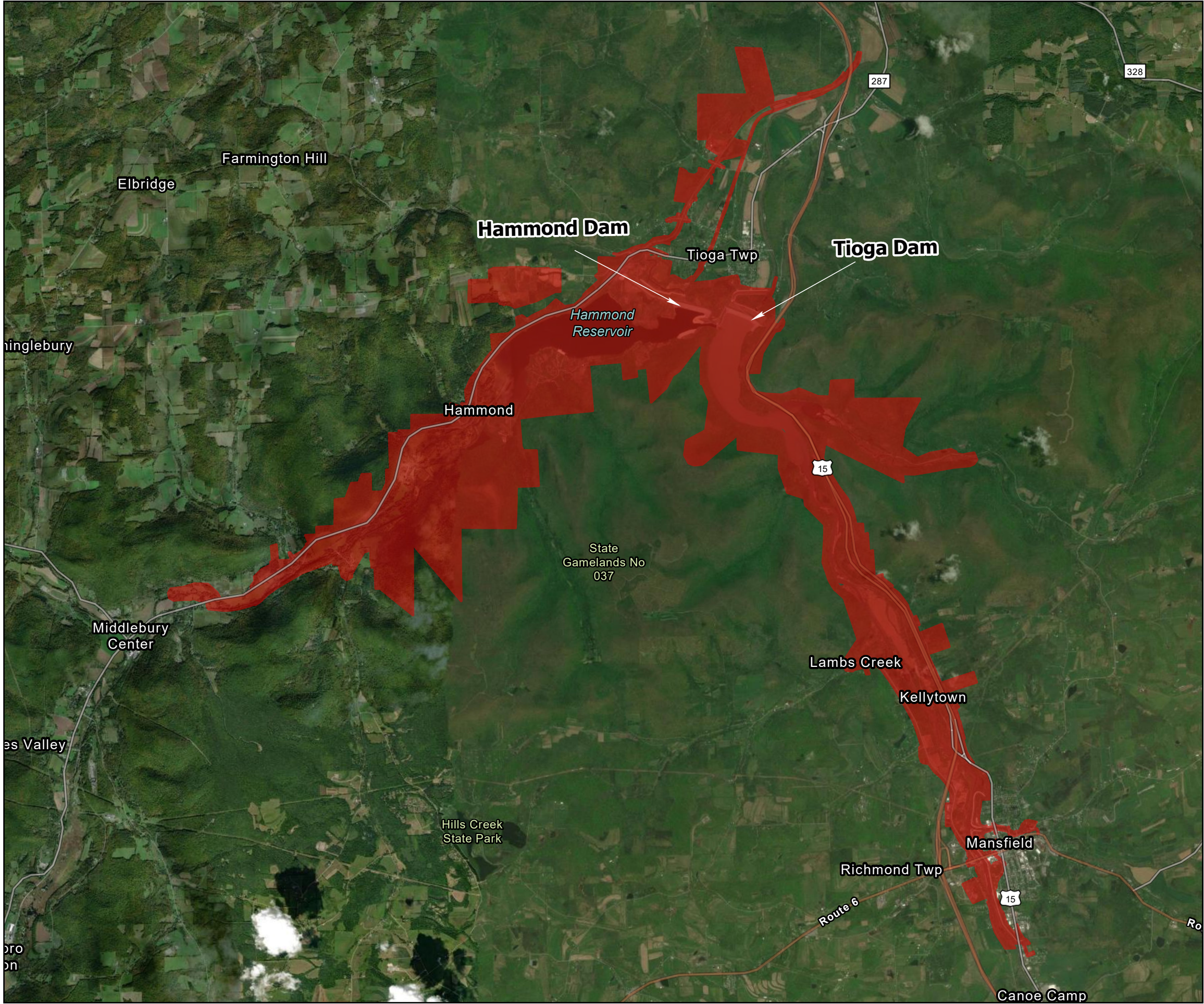
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Master Plan Update

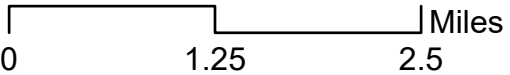
Study Area Map

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Tioga and Hammond Study Area



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DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, BALTIMORE DISTRICT
2 HOPKINS PLAZA
BALTIMORE, MD 21201

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Seneca-Cayuga Nation of Indians
P.O. Box 453220
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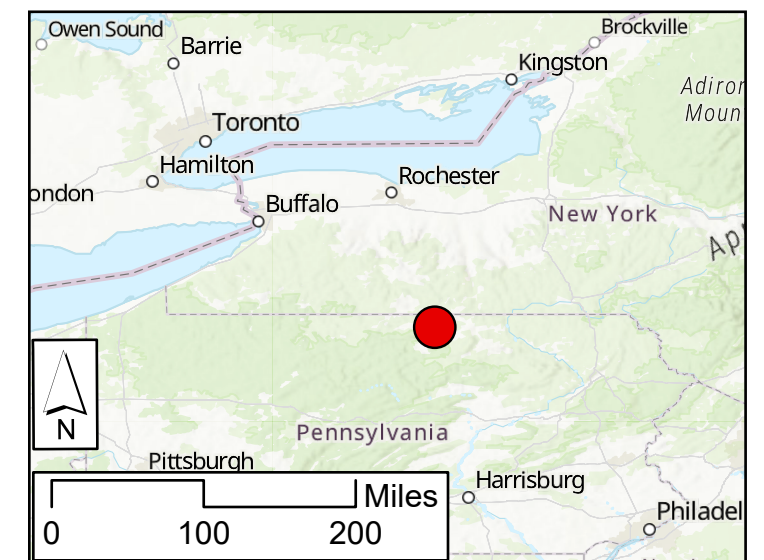
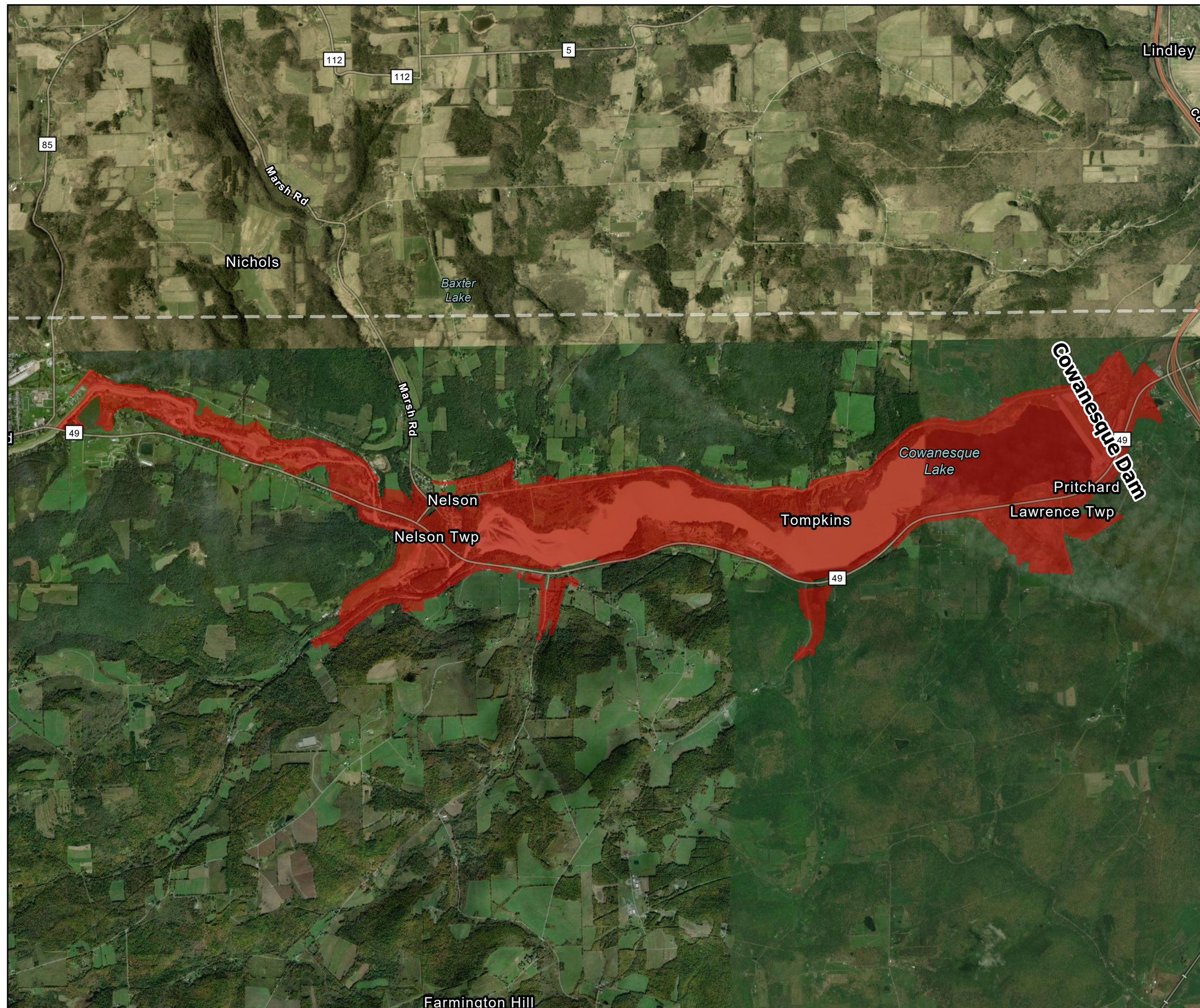
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