

From: Stantec Consulting Services Inc.
150 Riverside Parkway Suite 301
Fredericksburg, Virginia 22406
Phone: 1-540-785-5544

To: U.S. Fish and Wildlife Service
Virginia Field Office
6669 Short Lane
Gloucester, Virginia 23061

April 5, 2016

Re: Online Project Review Request, Old Town Alexandria, Fairfax County, Virginia,

We have reviewed the referenced project using the Virginia Field Office's online project review process and have followed all guidance and instructions in completing the review. We completed our review on March 15, 2016 and are submitting our project review package in accordance with the instructions for further review.

Our proposed action consists of: Building a bulkhead along the Old Town Alexandria waterfront to prevent flooding from the Potomac.

The location of the project and the action area are identified on the enclosed map.

The project is expected to be completed by December 2021.

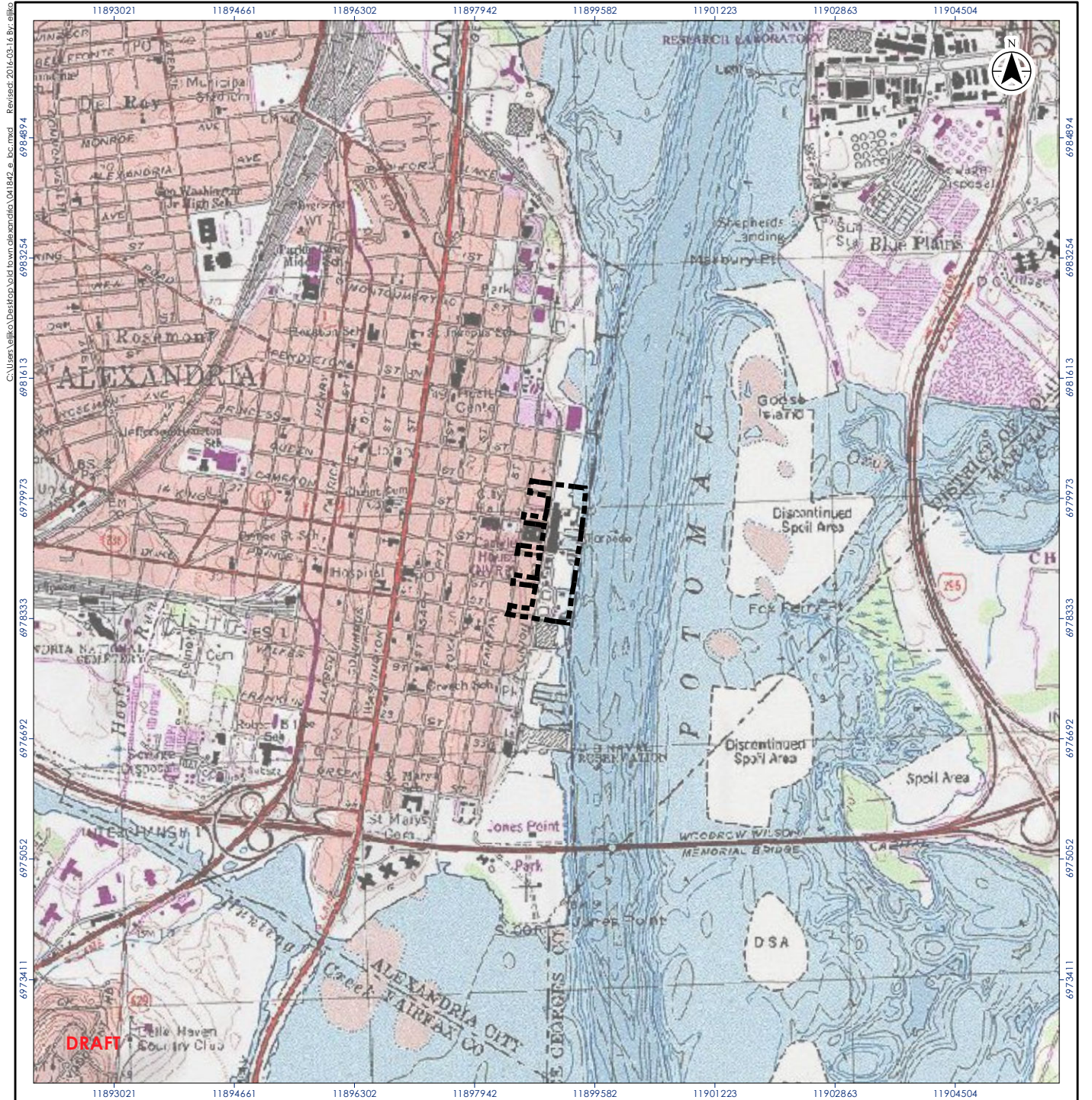
This project review is needed for state and federal documentation.

The enclosed project review package provides the information about the species, critical habitat, and bald eagles considered in our review, and the species conclusions table included in the package identifies our determinations for the resources that may be affected by the project.

For additional information, please contact Noah De Leon at the address listed above.

Sincerely,

Noah De Leon
Phone: 540-785-5544
Fax: 540-785-1742
Noah.DeLeon@stantec.com



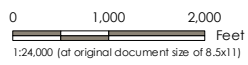
C:\Users\jcliff\Desktop\old town developments\011842_e_bic.mxd - Revised: 2016-03-16 By: jcliff
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Legend
 Project Limits



Project Location: 2029041842
 City of Alexandria, VA Prepared by ECL on 2016-03-16
 Technical Review by ABC on 2016-03-XX
 Independent Review by ABC on 2016-03-XX

Client/Project
 City of Alexandria
 Alexandria Waterfront

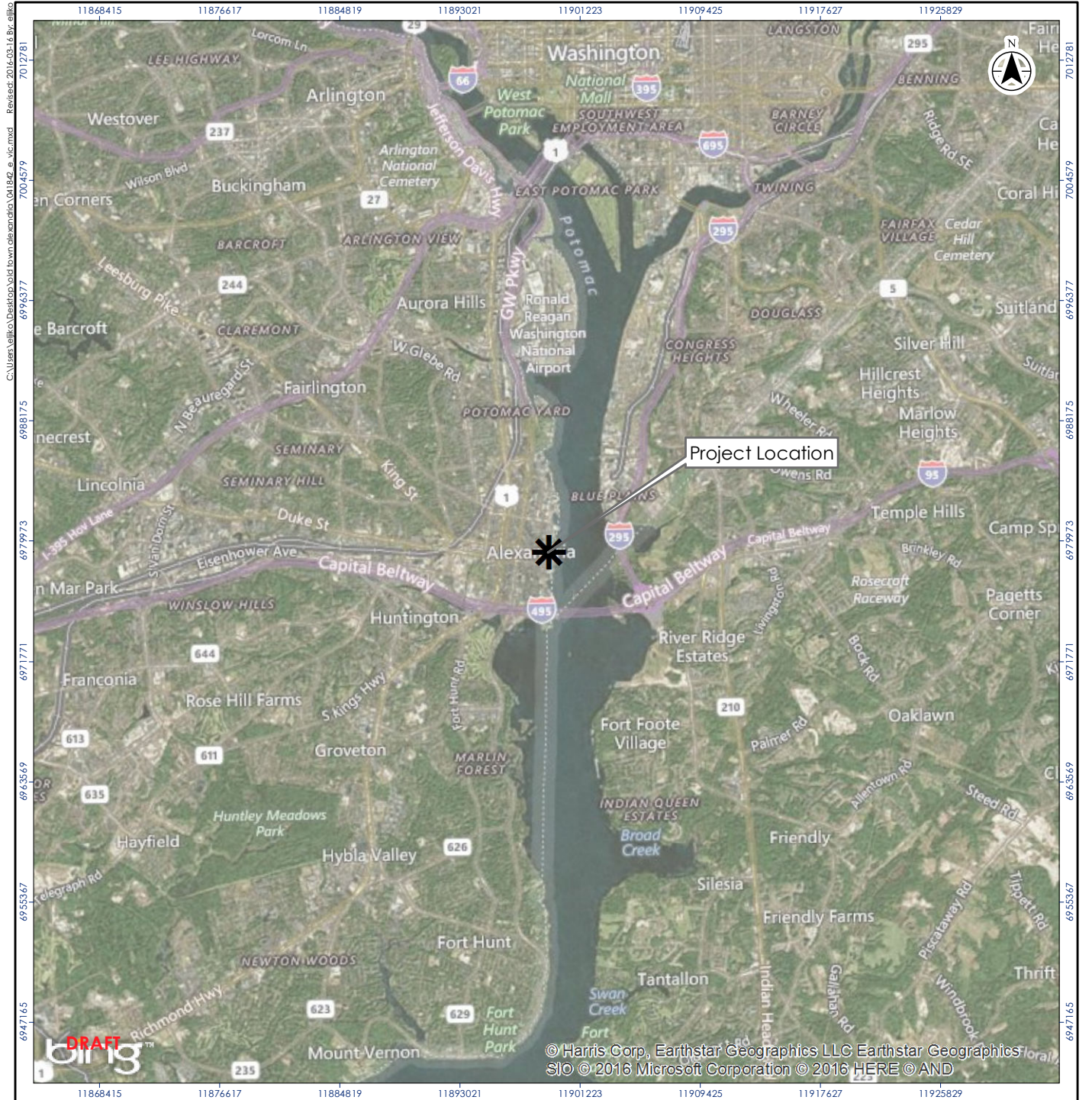
Figure No.
 1

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Location Map

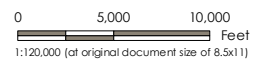
- Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
 2. Topographic map © USGS 7.5 Minute Series Topographic Map

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 6947165



Project Location: 2029041842
 City of Alexandria, VA Prepared by ECL on 2016-03-16
 Technical Review by ABC on 2016-03-XX
 Independent Review by ABC on 2016-03-XX

Client/Project:
 City of Alexandria
 Alexandria Waterfront

Figure No. 1
 Title **DRAFT**

Vicinity Map

- Notes**
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
 2. Orthomagery © Bing Maps
 3. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

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Species Conclusions Table

Project Name: Old Town Alexandria; Flood Remediation

Date: 04/05/2016

Species / Resource Name	Conclusion	ESA Section 7 / Eagle Act Determination	Notes / Documentation
Northern Long-eared Bat (<i>Myotis septentrionalis</i>)	Potential habitat present within 2 mile radius.	Not likely to affect	Federal threatened species. No suitable habitat present in project area. Less than 10 trees will be removed. Project is located in urban area. Trees located within project are ornamental.
Wood Turtle (<i>Glyptemys insculpta</i>)	Potential habitat present within 2 mile radius.	Not likely to affect	State threatened species. No suitable habitat present in project area.
Atlantic Sturgeon (<i>Acipenser oxyrinchus</i>)	Potential habitat present within 2 mile radius.	May affect	Federal and State endangered species. Probable habitat located within project area.
Appalachian Grizzled Skipper (<i>Pyrgus wyandot</i>)	Potential habitat present within 2 mile radius. Habitat not present in the project area.	Not likely to affect	State threatened species. Based on limits of project it is not likely to disturb habitat.
Brook Floater (<i>Alasmidonta varicosa</i>)	Potential habitat present within 2 mile radius. Habitat not present in the project area.	Not likely to affect	State endangered species. No suitable habitat present in project area.
Migrant loggerhead Shrike (<i>Lanius ludovicianus migrans</i>)	Potential habitat present within 2 mile radius. Habitat not present in the project area.	Not likely to affect	State threatened species. Based on limits of project it is not likely to disturb habitat.
Upland Sandpiper (<i>Bartramia longicauda</i>)	Potential habitat present within 2 mile radius. Habitat not present in the project area.	Not likely to affect	State threatened species. Based on limits of project it is not likely to disturb habitat.

Loggerhead Shrike (<i>Lanius ludovicianus</i>)	Potential habitat present within 2 mile radius. Habitat not present in the project area.	Not likely to affect	State threatened species. Based on limits of project it is not likely to disturb habitat.
Henslow's Sparrow (<i>Ammodramus henslowii</i>)	Potential habitat present within 2 mile radius. Habitat not present in the project area.	Not likely to affect	State threatened species. Based on limits of project it is not likely to disturb habitat.
Peregrine Falcon (<i>Falco peregrinus</i>)	Potential habitat present within 2 mile radius. Habitat not present in the project area.	Not likely to affect	State threatened species. Possible habitat present in project area. Species in not confirmed within 2 mile radius.
Critical Habitat	No critical habitat present.	Not likely to affect	
Bald eagle	Does not intersect with an eagle concentration area. Unlikely to disturb nesting.	No effect. No Eagle Act permit required.	No nests within 660' and not within a concentration area. Eagles nest confirmed within a 2 mile radius of project area.



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Virginia Ecological Services Field Office
6669 SHORT LANE
GLOUCESTER, VA 23061
PHONE: (804)693-6694 FAX: (804)693-9032
URL: www.fws.gov/northeast/virginiafield/

Consultation Code: 05E2VA00-2016-SLI-2152

April 05, 2016

Event Code: 05E2VA00-2016-E-02609

Project Name: Old Town Alexandria

Subject: List of threatened and endangered species that may occur in your proposed project location, and/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.*). Any activity proposed on National Wildlife Refuge lands must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

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 ECOS-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 ECOS-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:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

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 Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment



United States Department of Interior
Fish and Wildlife Service

Project name: Old Town Alexandria

Official Species List

Provided by:

Virginia Ecological Services Field Office

6669 SHORT LANE

GLOUCESTER, VA 23061

(804) 693-6694

<http://www.fws.gov/northeast/virginiafield/>

Consultation Code: 05E2VA00-2016-SLI-2152

Event Code: 05E2VA00-2016-E-02609

Project Type: ** OTHER **

Project Name: Old Town Alexandria

Project Description: Building a seawall along the Alexandria waterfront.

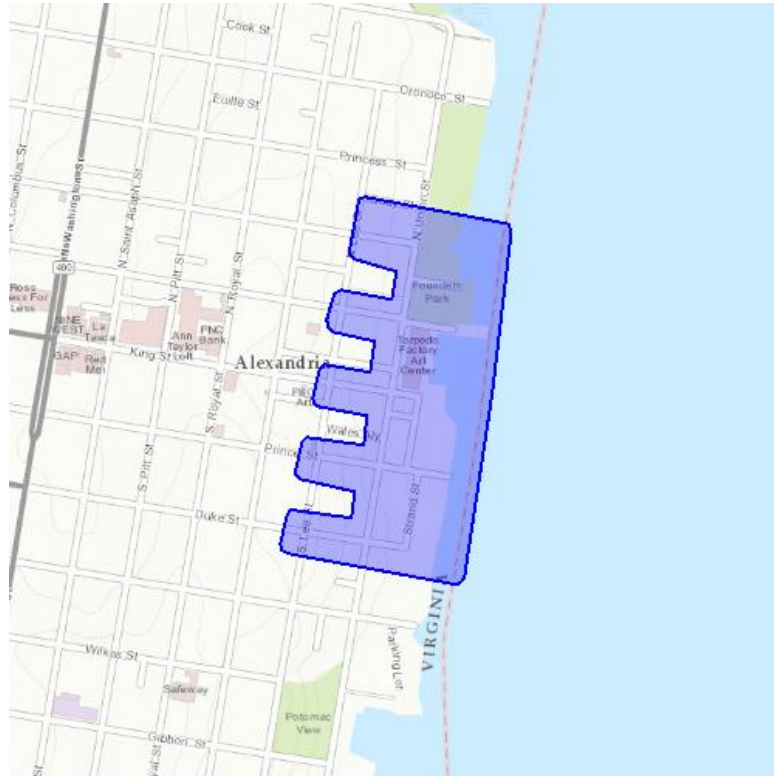
Please Note: The FWS office may have modified the Project Name and/or Project Description, so it may be different from what was submitted in your previous request. If the Consultation Code matches, the FWS considers this to be the same project. Contact the office in the 'Provided by' section of your previous Official Species list if you have any questions or concerns.



United States Department of Interior
Fish and Wildlife Service

Project name: Old Town Alexandria

Project Location Map:



Project Coordinates: The coordinates are too numerous to display here.

Project Counties: Alexandria, VA



United States Department of Interior
Fish and Wildlife Service

Project name: Old Town Alexandria

Endangered Species Act Species List

There are a total of 0 threatened or endangered species on your 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. Critical habitats listed under the **Has Critical Habitat** column may or may not lie within your project area. See the **Critical habitats within your project area** section further below for critical habitat that lies within your project. Please contact the designated FWS office if you have questions.

There are no listed species identified for the vicinity of your project.



United States Department of Interior
Fish and Wildlife Service

Project name: Old Town Alexandria

Critical habitats that lie within your project area

There are no critical habitats within your project area.



United States Department of Interior
Fish and Wildlife Service

Project name: Old Town Alexandria

Appendix A: FWS National Wildlife Refuges and Fish Hatcheries

There are no refuges or fish hatcheries within your project area.

Old Town Alexandria

IPaC Trust Resources Report

Generated March 17, 2016 08:14 AM MDT, IPaC v3.0.0

This report is for informational purposes only and should not be used for planning or analyzing project level impacts. For project reviews that require U.S. Fish & Wildlife Service review or concurrence, please return to the IPaC website and request an official species list from the Regulatory Documents page.



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- Project Description [1](#)
- Endangered Species [2](#)
- Migratory Birds [3](#)
- Refuges & Hatcheries [6](#)
- Wetlands [7](#)

Endangered Species

Proposed, candidate, threatened, and endangered species are managed by the [Endangered Species Program](#) of the U.S. Fish & Wildlife Service.

This USFWS trust resource report is for informational purposes only and should not be used for planning or analyzing project level impacts.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list from the Regulatory Documents section.

[Section 7](#) of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency.

A letter from the local office and a species list which fulfills this requirement can only be obtained by requesting an official species list either from the Regulatory Documents section in IPaC or from the local field office directly.

There are no endangered species in this location

Critical Habitats

There are no critical habitats in this location

Migratory Birds

Birds are protected by the [Migratory Bird Treaty Act](#) and the [Bald and Golden Eagle Protection Act](#).

Any activity that results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish & Wildlife Service.^[1] There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

1. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

Additional information can be found using the following links:

- Birds of Conservation Concern
<http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>
- Conservation measures for birds
<http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Year-round bird occurrence data
<http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/akn-histogram-tools.php>

The following species of migratory birds could potentially be affected by activities in this location:

American Oystercatcher <i>Haematopus palliatus</i>	Bird of conservation concern
Year-round https://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B0G8	
American Bittern <i>Botaurus lentiginosus</i>	Bird of conservation concern
Season: Wintering https://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B0F3	
Bald Eagle <i>Haliaeetus leucocephalus</i>	Bird of conservation concern
Year-round https://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B008	
Black-billed Cuckoo <i>Coccyzus erythrophthalmus</i>	Bird of conservation concern
Season: Breeding https://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B0HI	

Blue-winged Warbler <i>Vermivora pinus</i> Season: Breeding	Bird of conservation concern
Cerulean Warbler <i>Dendroica cerulea</i> Season: Breeding https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B09I	Bird of conservation concern
Fox Sparrow <i>Passerella iliaca</i> Season: Wintering	Bird of conservation concern
Gull-billed Tern <i>Gelochelidon nilotica</i> Season: Breeding https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0JV	Bird of conservation concern
Kentucky Warbler <i>Oporornis formosus</i> Season: Breeding	Bird of conservation concern
Least Bittern <i>Ixobrychus exilis</i> Season: Breeding https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B092	
Peregrine Falcon <i>Falco peregrinus</i> Season: Wintering https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU	Bird of conservation concern
Pied-billed Grebe <i>Podilymbus podiceps</i> Season: Breeding	Bird of conservation concern
Prairie Warbler <i>Dendroica discolor</i> Season: Breeding	Bird of conservation concern
Prothonotary Warbler <i>Protonotaria citrea</i> Season: Breeding	Bird of conservation concern
Purple Sandpiper <i>Calidris maritima</i> Season: Wintering	Bird of conservation concern
Red Knot <i>Calidris canutus rufa</i> Season: Wintering https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0DM	Bird of conservation concern
Red-headed Woodpecker <i>Melanerpes erythrocephalus</i> Year-round	Bird of conservation concern
Rusty Blackbird <i>Euphagus carolinus</i> Season: Wintering	Bird of conservation concern
Saltmarsh Sparrow <i>Ammodramus caudacutus</i> Year-round	Bird of conservation concern
Short-eared Owl <i>Asio flammeus</i> Season: Wintering https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD	Bird of conservation concern
Snowy Egret <i>Egretta thula</i> Season: Breeding	Bird of conservation concern

Willow Flycatcher *Empidonax traillii*

Season: Breeding

https://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B0F6

Bird of conservation concern

Wood Thrush *Hylocichla mustelina*

Season: Breeding

Bird of conservation concern

Worm Eating Warbler *Helmitheros vermivorum*

Season: Breeding

Bird of conservation concern

Wildlife refuges and fish hatcheries

There are no refuges or fish hatcheries in this location

Wetlands in the National Wetlands Inventory

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](#).

DATA LIMITATIONS

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

DATA EXCLUSIONS

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

DATA PRECAUTIONS

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

This location overlaps all or part of the following wetlands:

Riverine

[R1UBV](#)

17000.0 acres

A full description for each wetland code can be found at the National Wetlands Inventory website: <http://107.20.228.18/decoders/wetlands.aspx>

VaFWIS Initial Project Assessment Report Compiled on
3/17/2016, 10:31:45 AM

[Help](#)

Known or likely to occur within a **2 mile radius around point 38,48,14.8 -77,02,21.2**
in **059 Fairfax County, 510 Alexandria City, VA**

[View Map of Site Location](#)

713 Known or Likely Species ordered by Status Concern for Conservation
(displaying first 34) (34 species with Status* or Tier I** or Tier II**)

BOVA Code	Status*	Tier**	Common Name	Scientific Name	Confirmed	Database(s)
010032	FESE	II	Sturgeon, Atlantic	Acipenser oxyrinchus		BOVA
050022	FT		Bat, northern long-eared	Myotis septentrionalis		BOVA
060006	SE	II	Floater, brook	Alasmidonta varicosa		BOVA
030062	ST	I	Turtle, wood	Glyptemys insculpta		BOVA
040096	ST	I	Falcon, peregrine	Falco peregrinus		BOVA
040129	ST	I	Sandpiper, upland	Bartramia longicauda		BOVA
040293	ST	I	Shrike, loggerhead	Lanius ludovicianus		BOVA
040379	ST	I	Sparrow, Henslow's	Ammodramus henslowii		BOVA
100155	FSST	I	Skipper, Appalachian grizzled	Pyrgus wyandot		BOVA
040292	ST		Shrike, migrant loggerhead	Lanius ludovicianus migrans		BOVA
100248	FS	I	Fritillary, regal	Speyeria idalia idalia		BOVA
040093	FS	II	Eagle, bald	Haliaeetus leucocephalus	Yes	BOVA,BAEANests
100154	FS	II	Butterfly, Persius duskywing	Erynnis persius persius		BOVA
060029	FS	III	Lance, yellow	Elliptio lanceolata		BOVA

010038	FS	IV	Alewife	Alosa pseudoharengus	Yes	BOVA,SppObs
010045	FS		Herring, blueback	Alosa aestivalis	Yes	BOVA,SppObs
080340	FS		Caddisfly, Buffalo Springs	Ceratopsyche etnieri		BOVA
030063	CC	III	Turtle, spotted	Clemmys guttata	Yes	BOVA,SppObs
030012	CC	IV	Rattlesnake, timber	Crotalus horridus		BOVA
010077		I	Shiner, bridle	Notropis bifrenatus	Yes	BOVA,Habitat,SppObs
040372		I	Crossbill, red	Loxia curvirostra		BOVA
040225		I	Sapsucker, yellow-bellied	Sphyrapicus varius		BOVA
040319		I	Warbler, black-throated green	Setophaga virens		BOVA
040306		I	Warbler, golden-winged	Vermivora chrysoptera		BOVA
040038		II	Bittern, American	Botaurus lentiginosus		BOVA,Habitat
040052		II	Duck, American black	Anas rubripes		BOVA
040029		II	Heron, little blue	Egretta caerulea caerulea		BOVA
040036		II	Night-heron, yellow-crowned	Nyctanassa violacea violacea		BOVA
040213		II	Owl, northern saw-whet	Aegolius acadicus		BOVA
040105		II	Rail, king	Rallus elegans		BOVA,Habitat
040186		II	Tern, least	Sterna antillarum		BOVA
040320		II	Warbler, cerulean	Setophaga cerulea		BOVA
040304		II	Warbler, Swainson's	Limnothlypis swainsonii		BOVA
040266		II	Wren, winter	Troglodytes troglodytes		BOVA

To view **All 713 species** [View 713](#)

* FE=Federal Endangered; FT=Federal Threatened; SE=State Endangered; ST=State Threatened; FC=Federal Candidate; FS=Federal Species of Concern; CC=Collection Concern

** I=VA Wildlife Action Plan - Tier I - Critical Conservation Need;
II=VA Wildlife Action Plan - Tier II - Very High Conservation Need;

III=VA Wildlife Action Plan - Tier III - High Conservation Need;
 IV=VA Wildlife Action Plan - Tier IV - Moderate Conservation Need

Bat Colonies or Hibernacula: **Not Known**

Anadromous Fish Use Streams (3 records)

[View Map of All Anadromous Fish Use Streams](#)

Stream ID	Stream Name	Reach Status	Anadromous Fish Species			View Map
			Different Species	Highest TE*	Highest Tier**	
C25	Fourmile run	Confirmed	2			Yes
C64	Potomac river	Confirmed	6	FC	IV	Yes
P42	Cameron run	Potential	0			Yes

Impediments to Fish Passage

N/A

Colonial Water Bird Survey

N/A

Threatened and Endangered Waters

N/A

Managed Trout Streams

N/A

Bald Eagle Concentration Areas and Roosts

N/A

Bald Eagle Nests (2 records)

[View Map of All Query Results Bald Eagle Nests](#)

Nest	N Obs	Latest Date	DGIF Nest Status	View Map
FF0904	2	Mar 25 2009	UNKNOWN	Yes

[FF1102](#) | 1 | May 27 2011 | RECENTLY ACTIVE | [Yes](#)

Displayed 2 Bald Eagle Nests

Habitat Predicted for Aquatic WAP Tier I & II Species (1 Reach)

[View Map Combined Reaches from Below of Habitat Predicted for WAP Tier I & II Aquatic Species](#)

Stream Name	Tier Species						View Map
	Highest TE*	BOVA Code, Status*, Tier**, Common & Scientific Name					
Holmes Run (20700102)		010077		I	Shiner bridle	Notropis bifrenatus	Yes

Habitat Predicted for Terrestrial WAP Tier I & II Species (2 Species)

[View Map of Combined Terrestrial Habitat Predicted for 2 WAP Tier I & II Species Listed Below](#)

ordered by Status Concern for Conservation

BOVA Code	Status*	Tier**	Common Name	Scientific Name	View Map
040038		II	Bittern, American	Botaurus lentiginosus	Yes
040105		II	Rail, king	Rallus elegans	Yes

Public Holdings: (1 names)

Name	Agency	Level
George Washington Memorial National Parkway	National Park Service	Federal

Compiled on 3/17/2016, 10:31:45 AM 1715897.0 report=IPA searchType= R dist= 3218 poi= 38,48,14.8 -77,02,21.2

PixelSize=64; Anadromous=0.017788; BECAR=0.013966; Bats=0.013505; Buffer=0.10009; County=0.054344; Impediments=0.014063; Init=0.13715; PublicLands=0.021258; SppObs=0.285455; TEWaters=0.016999; TierReaches=0.061174; TierTerrestrial=0.037222; Total=0.894764; Tracking_BOVA=0.202171; Trout=0.017324

2 Bald Eagle Nests

38,48,14.8 -77,02,21.2
is the Search Point

Show Position Rings
 Yes No
 1 mile and 1/4 mile at the Search Point

Show Search Area
 Yes No
 2 Search distance miles radius

Search Point is at map center

Base Map [Choices](#)
 Topography ▼

Map Overlay [Choices](#)
 Current List: Position, Search, BAEANests

Map Overlay Legend

- Position Rings**
1 mile and 1/4 mile at the Search Point
- 2 mile radius Search Area**
- Bald Eagle nests**
660 and 330 foot management zones

[Refresh Browser Page](#)

Map Click Pan Id M

Map Scale In Zoom Out

Screen Size Small Size Big

[Help](#)

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N

Point of Search 38,48,14.8 -77,02,21.2
 Map Location 38,48,14.8 -77,02,21.2

Select **Coordinate System:** Degrees,Minutes,Seconds Latitude - Longitude
 Decimal Degrees Latitude - Longitude
 Meters UTM NAD83 East North Zone
 Meters UTM NAD27 East North Zone

Base Map source: USGS 1:100,000 topographic maps (see Microsoft.terraserver-usa.com for details)

Map projection is UTM Zone 18 NAD 1983 with left 318128 and top 4301814. Pixel size is 16 meters . Coordinates displayed are Degrees, Minutes, Seconds North and West.Map is currently displayed as 600 columns by 600 rows for a total of 360000 pixles. The map display represents 9600 meters east to west by 9600 meters north to south for a total of 92.1 square kilometers. The map display represents 31501 feet east to west by 31501 feet north to south for a total of 35.5 square miles.

Topographic maps and Black and white aerial photography for year 1990+-

are from the United States Department of the Interior, United States Geological Survey.
Color aerial photography aquired 2002 is from Virginia Base Mapping Program, Virginia
Geographic Information Network.
Shaded topographic maps are from TOPO! ©2006 National Geographic
<http://www.national.geographic.com/topo>
All other map products are from the Commonwealth of Virginia Department of Game and Inland
Fisheries.

map assembled 2016-03-18 15:02:48 (qa/qc December 5, 2012 8:04 - tn=716216.1 dist=3218
I)
\$poi=38.8041111 -77.0392222

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Natural Heritage Resources

Your Criteria

Taxonomic Group: Select All

Global Conservation Status Rank: Select All

Federal Legal Status: Select All

State Legal Status: Select All

County: Select All

Physiographic Province: Select All

Watershed (8 digit HUC): 02070010 - Middle Potomac-Anacostia-Occoquan

Subwatershed (12 digit HUC): PL25 - Potomac River (MD)-Fourmile Run

Virginia Coastal Zone: Select All

Search Run: 3/17/2016 10:19:32 AM

Result Summary

Total Species returned: 3

Total Communities returned: 0

Click scientific names below to go to NatureServe report.

Click column headings for an explanation of species and community ranks.

Common Name/Natural Community	Scientific Name	Global Conservation Status Rank	State Conservation Status Rank	Federal Legal Status	State Legal Status	Statewide Occurrences	Virginia Coastal Zone
-------------------------------	-----------------	---	--	--------------------------------------	------------------------------------	-----------------------	-----------------------

Alexandria (City)

Northern Coastal Plain
 Middle Potomac-Anacostia-Occoquan
 Potomac River (MD)-Fourmile Run

REPTILES

Wood Turtle	Glyptemys insculpta	G3	S2	None	LT	45	Y
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Arlington

Northern Coastal Plain
 Middle Potomac-Anacostia-Occoquan
 Potomac River (MD)-Fourmile Run

REPTILES

Wood Turtle	Glyptemys insculpta	G3	S2	None	LT	45	Y
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Northern Piedmont
 Middle Potomac-Anacostia-Occoquan
 Potomac River (MD)-Fourmile Run

VASCULAR PLANTS

Torrey's Mountain-mint	Pycnanthemum torreyi	G2	S2	SOC	None	17	Y
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Note: On-line queries provide basic information from DCR's databases at the time of the request. They are NOT to be substituted for a project review or for on-site surveys required for environmental assessments of specific project areas.

For Additional Information on locations of Natural Heritage Resources please submit an [information request](#).

To Contribute information on locations of natural heritage resources, please fill out and submit a [rare species sighting form](#).

Natural Heritage Resources

Your Criteria

Taxonomic Group: Select All

Global Conservation Status Rank: Select All

Federal Legal Status: Select All

State Legal Status: Select All

County: Select All

Physiographic Province: Select All

Watershed (8 digit HUC): 02070010 - Middle Potomac-Anacostia-Occoquan

Subwatershed (12 digit HUC): PL28 - Potomac River-Little Hunting Creek

Virginia Coastal Zone: Select All

Search Run: 3/17/2016 10:21:45 AM

Result Summary

Total Species returned: 1

Total Communities returned: 0

Click scientific names below to go to NatureServe report.

Click column headings for an explanation of species and community ranks.

Common Name/Natural Community	Scientific Name	Global Conservation Status Rank	State Conservation Status Rank	Federal Legal Status	State Legal Status	Statewide Occurrences	Virginia Coastal Zone
-------------------------------	-----------------	---	--	--------------------------------------	------------------------------------	-----------------------	-----------------------

Fairfax

Northern Coastal Plain
Middle Potomac-Anacostia-Occoquan
Potomac River-Little Hunting Creek

REPTILES

Wood Turtle	Glyptemys insculpta	G3	S2	None	LT	45	Y
-------------	-------------------------------------	----	----	------	----	----	---

Note: On-line queries provide basic information from DCR's databases at the time of the request. They are NOT to be substituted for a project review or for on-site surveys required for environmental assessments of specific project areas.

For Additional Information on locations of Natural Heritage Resources please submit an [information request](#).

To Contribute information on locations of natural heritage resources, please fill out and submit a [rare species sighting form](#).



CCB Mapping Portal



Layers: VA Eagle Nest Locator

Map Center [longitude, latitude]: [-77.03887939453125, 38.80351378142954]

Map Link:

http://www.ccbbirds.org/maps/#layer=VA+Eagle+Nest+Locator&zoom=16&lat=38.80351378142954&lng=-77.03887939453125&legend=legend_tab_7c321b7e-e523-11e4-a0-0e0c41326911&base=Aerial+Imagery+%28MapQuest%29

Report Generated On: 03/17/2016

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Report generated by [The Center for Conservation Biology Mapping Portal](#).

To learn more about CCB visit ccbbirds.org or contact us at info@ccbbirds.org