

ENVIRONMENTAL ASSESSMENT

*Environmental Assessment  
Appendices*

*Fort Norfolk Pier Rehabilitation and Expansion Project  
USACE, Norfolk District, Fort Norfolk, Virginia*

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# APPENDIX F

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Species Lists



# Virginia Department of Game and Inland Fisheries

10/21/2022 3:39:46 PM

## Fish and Wildlife Information Service

**VaFWIS Search Report** Compiled on 10/21/2022, 3:39:46 PM

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Observations reported or potential habitat occurs within a **3 mile radius around point Fort Norfolk historical Military Norfolk city**  
**(at 36,51,29.0 -76,18,33.0)**  
**in 550 Chesapeake City, 710 Norfolk City, 740 Portsmouth City, VA**

[View Map of Site Location](#)

583 Known or Likely Species ordered by Status Concern for Conservation  
 (displaying first 39) (39 species with Status\* or Tier I\*\* or Tier II\*\* )

<a href="#">BOVA Code</a>	<a href="#">Status*</a>	<a href="#">Tier**</a>	<a href="#">Common Name</a>	<a href="#">Scientific Name</a>
030074	FESE	Ia	<a href="#">Turtle, Kemp's ridley sea</a>	Lepidochelys kempii
010032	FESE	Ib	<a href="#">Sturgeon, Atlantic</a>	Acipenser oxyrinchus
030075	FESE	Ic	<a href="#">Turtle, leatherback sea</a>	Dermochelys coriacea
030073	FESE		<a href="#">Turtle, Hawksbill Sea</a>	Eretmochelys imbricata
030071	FTST	Ia	<a href="#">Turtle, loggerhead sea</a>	Caretta caretta
040144	FTST	Ia	<a href="#">Knot, red</a>	Calidris canutus rufa
040110	FTSE	Ia	<a href="#">Rail, eastern black</a>	Laterallus jamaicensis jamaicensis
050022	FTST	Ia	<a href="#">Bat, northern long-eared</a>	Myotis septentrionalis
030072	FTST	Ib	<a href="#">Turtle, green sea</a>	Chelonia mydas
040120	FTST	IIa	<a href="#">Plover, piping</a>	Charadrius melodus
120030	FTSE	IVb	<a href="#">Manatee, West Indian</a>	Trichechus manatus
040118	SE	Ia	<a href="#">Plover, Wilson's</a>	Charadrius wilsonia
050034	SE	Ia	<a href="#">Bat, Rafinesque's eastern big-eared</a>	Corynorhinus rafinesquii macrotis
050027	FPSE	Ia	<a href="#">Bat, tri-colored</a>	Perimyotis subflavus
030013	SE	IIa	<a href="#">Rattlesnake, canebrake</a>	Crotalus horridus
040096	ST	Ia	<a href="#">Falcon, peregrine</a>	Falco peregrinus
040293	ST	Ia	<a href="#">Shrike, loggerhead</a>	Lanius ludovicianus
040179	ST	Ia	<a href="#">Tern, gull-billed</a>	Gelochelidon nilotica
020044	ST	IIa	<a href="#">Salamander, Mabee's</a>	Ambystoma mabeei
040292	ST		<a href="#">Shrike, migrant loggerhead</a>	Lanius ludovicianus migrans
100079	FC	IIIa	<a href="#">Butterfly, monarch</a>	Danaus plexippus
030067	CC	IIa	<a href="#">Terrapin, northern diamond-backed</a>	Malaclemys terrapin terrapin

030063	CC	IIIa	<a href="#">Turtle, spotted</a>	Clemmys guttata
030031	CC	IIIc	<a href="#">Kingsnake, scarlet</a>	Lampropeltis elapsoides
040040		Ia	<a href="#">Ibis, glossy</a>	Plegadis falcinellus
040213		Ic	<a href="#">Owl, northern saw-whet</a>	Aegolius acadicus
040422		Ic	<a href="#">Warbler, Wayne's</a>	Setophaga virens waynei
020063		IIa	<a href="#">Toad, oak</a>	Anaxyrus quercicus
040052		IIa	<a href="#">Duck, American black</a>	Anas rubripes
040033		IIa	<a href="#">Egret, snowy</a>	Egretta thula
040029		IIa	<a href="#">Heron, little blue</a>	Egretta caerulea caerulea
040036		IIa	<a href="#">Night-heron, yellow-crowned</a>	Nyctanassa violacea violacea
040192		IIa	<a href="#">Skimmer, black</a>	Rynchops niger
040181		IIa	<a href="#">Tern, common</a>	Sterna hirundo
040320		IIa	<a href="#">Warbler, cerulean</a>	Setophaga cerulea
040140		IIa	<a href="#">Woodcock, American</a>	Scolopax minor
040203		IIb	<a href="#">Cuckoo, black-billed</a>	Coccyzus erythrophthalmus
040105		IIb	<a href="#">Rail, king</a>	Rallus elegans
040304		IIc	<a href="#">Warbler, Swainson's</a>	Limnothlypis swainsonii

To view **All 583 species** [View 583](#)

\*FE=Federal Endangered; FT=Federal Threatened; SE=State Endangered; ST=State Threatened; FP=Federal Proposed; FC=Federal Candidate; 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

Virginia Wildlife Action Plan Conservation Opportunity Ranking:

a - On the ground management strategies/actions exist and can be feasibly implemented.;

b - On the ground actions or research needs have been identified but cannot feasibly be implemented at this time.;

c - No on the ground actions or research needs have been identified or all identified conservation opportunities have been exhausted.

### Anadromous Fish Use Streams (1 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 **	
C20	<a href="#">Elizabeth river</a>	Confirmed	3		IV	<a href="#">Yes</a>

### Impediments to Fish Passage

N/A

### Threatened and Endangered Waters

N/A

**Managed Trout Streams**

N/A

**Bald Eagle Concentration Areas and Roosts**

N/A

**Bald Eagle Nests**

N/A

**Habitat Predicted for Aquatic WAP Tier I & II Species**

N/A

**Habitat Predicted for Terrestrial WAP Tier I & II Species** ( 3 Species )

[View Map of Combined Terrestrial Habitat Predicted for 3 WAP Tier I & II Species Listed Below](#)

ordered by Status Concern for Conservation

BOVA Code	Status*	Tier**	Common Name	Scientific Name	View Map
030013	SE	IIa	<a href="#">Rattlesnake, canebrake</a>	Crotalus horridus	<a href="#">Yes</a>
030067	CC	IIa	<a href="#">Terrapin, northern diamond-backed</a>	Malaclemys terrapin terrapin	<a href="#">Yes</a>
040186		IIIa	<a href="#">Tern, least</a>	Sternula antillarum	<a href="#">Yes</a>

**Virginia Breeding Bird Atlas Blocks** ( 3 records )

[View Map of All Query Results](#)  
[Virginia Breeding Bird Atlas Blocks](#)

BBA ID	Atlas Quadrangle Block Name	Breeding Bird Atlas Species			View Map
		Different Species	Highest TE*	Highest Tier**	
60046	<a href="#">Norfolk North, SE</a>	67		II	<a href="#">Yes</a>
60045	<a href="#">Norfolk North, SW</a>	11		II	<a href="#">Yes</a>
60031	<a href="#">Norfolk South, NW</a>	3		II	<a href="#">Yes</a>

**Public Holdings:** ( 4 names )

Name	Agency	Level
Fort Norfolk	Dept. of the Army	Federal
Norfolk Naval Shipyard	Dept. of the Navy	Federal
Portsmouth Naval Medical Center	Dept. of the Navy	Federal
Craney Island NSC	U.S. Dept. of Navy	Federal

**Summary of BOVA Species Associated with Cities and Counties of the Commonwealth of Virginia:**

FIPS Code	City and County Name	Different Species	Highest TE	Highest Tier
550	<a href="#">Chesapeake City</a>	491	FESE	I
710	<a href="#">Norfolk City</a>	445	FESE	I
740	<a href="#">Portsmouth City</a>	414	FESE	I

**USGS 7.5' Quadrangles:**

Norfolk South  
Norfolk North

**USGS NRCS Watersheds in Virginia:**

N/A

**USGS National 6th Order Watersheds Summary of Wildlife Action Plan Tier I, II, III, and IV Species:**

HU6 Code	USGS 6th Order Hydrologic Unit	Different Species	Highest TE	Highest Tier
JL53	<a href="#">Southern Branch Elizabeth River-Deep Creek</a>	90	FTSE	I
JL54	<a href="#">Eastern Branch Elizabeth River</a>	91	FTSE	I
JL55	<a href="#">Western Branch Elizabeth River</a>	91	FTSE	I
JL56	<a href="#">Elizabeth River</a>	75	FESE	I
JL59	<a href="#">Hampton Roads Channel</a>	97	FESE	I

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### Layers

#### Bald Eagle

##### • VA Eagle Nest Locator

[Zoom to Extents](#)

Most recent data CCB has on bald eagle nest locations in Virginia. Data is largely from two annual aerial flights conducted in winter and spring of all tributaries of the lower Chesapeake Bay and other prominent bodies of water. Reported ground survey data is also included.

[More info](#)

##### • VA Eagle Nest Buffers

The smaller 330' "primary buffer" is where human activities are considered to be detrimental to breeding pairs (e.g. residential/commercial development). The larger 660' "secondary buffer" is where human activities are considered to impact the integrity of the "primary buffer" (e.g. construction, multi-story buildings, new roadways).

[More info](#)

##### • Eagle Roosts

[Zoom to Extents](#)

Eagle roost polygon centroids. Note: Some roosts are restricted and only available at the "Eagle Roosts by..."

Toggle Draw Tools | Generate Link | Print Report | Search

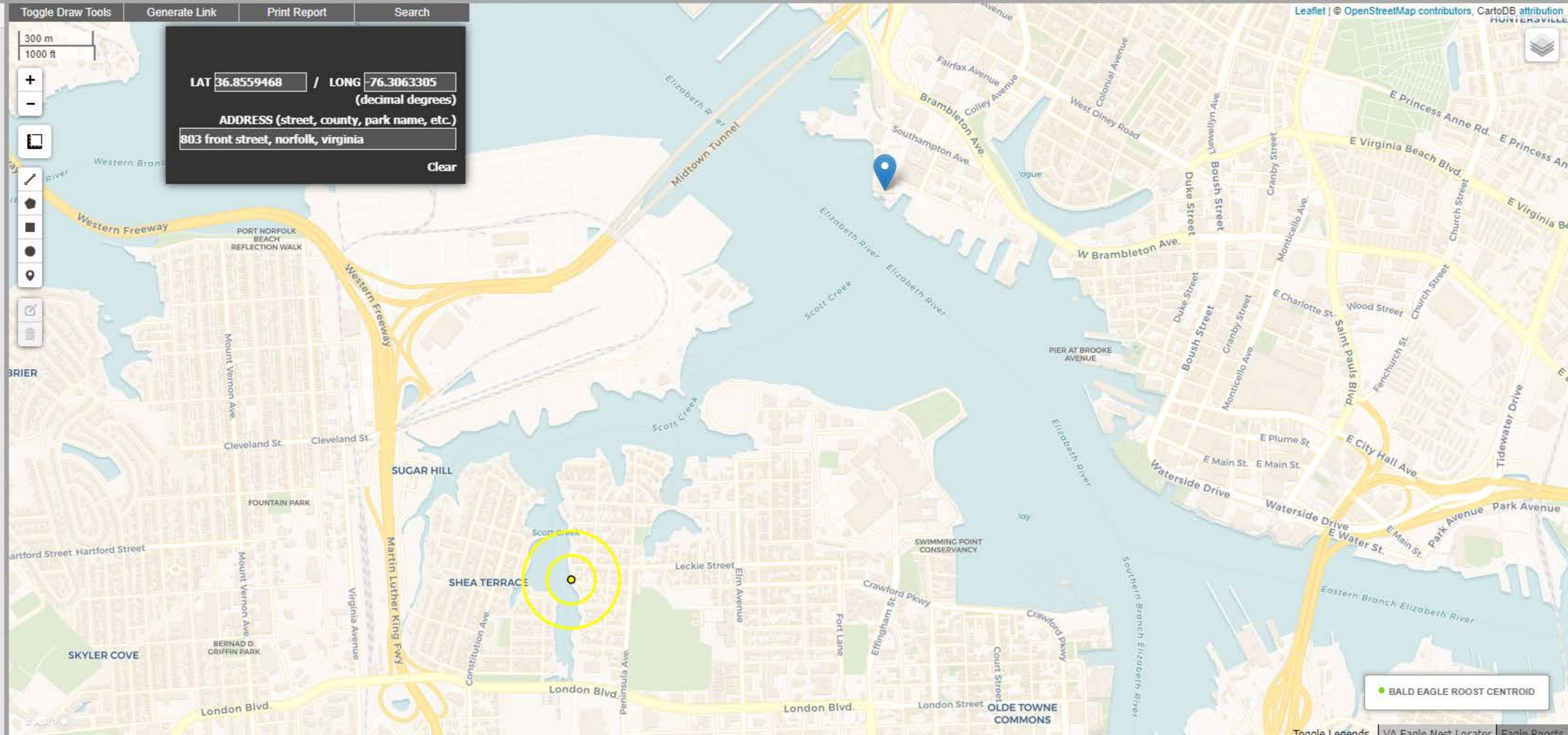
300 m  
1000 ft



LAT  / LONG   
(decimal degrees)

ADDRESS (street, county, park name, etc.)

Clear



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BALD EAGLE ROOST CENTROID

Toggle Legends | VA Eagle Nest Locator | Eagle Roosts