

# Species Conclusions Table

Project Manager: Melissa Nash	Project Name: Windsor Woods Tide Gate and Pump Station
Date: 12-16-2019	Project Number: NAO-2018-01381

Project Description: Install 4 sluice gates and supporting infrastructure across Thalia Creek for flood control. Project will disturb approximately 0.5 acres of land and associated trees.

## Species Under the Jurisdiction of FWS:

Species/Resource Name	Conclusion	ESA Section 7 / Eagle Act Determination	Species Info / Habitat Description	Notes / Determination
Northern long-eared bat (Myotis septentrionalis)	NLEB: Applying the 4(d) Rule; excepted from take	May affect	<p>"Northern long-eared bats spend winter hibernating in caves and mines, called hibernacula. They typically use large caves or mines with large passages and entrances; constant temperatures; and high humidity with no air currents. Specific areas where they hibernate have very high humidity, so much so that droplets of water are often seen on their fur. Within hibernacula, surveyors find them in small crevices or cracks, often with only the nose and ears visible.</p> <p>During summer, northern long-eared bats roost singly or in colonies underneath bark, in cavities, or in crevices of both live and dead trees. Males and non-reproductive females may also roost in cooler places, like caves and mines. This bat seems opportunistic in selecting roosts, using tree species based on suitability to retain bark or provide cavities or crevices. It has also been found, rarely, roosting in structures like barns and sheds."</p>	Relying upon the findings of the 1/5/2016 Programmatic Biological Opinion for Final 4(d) Rule on the Northern Long-Eared Bat and Activities Excepted from the Take Prohibitions to fulfill our project-specific section 7 responsibilities.

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<b>Eagles (Haliaeetus leucocephalus)</b>				
Eagle Nests	Unlikely to disturb nesting bald eagles	No Eagle Act permit required		
Eagle Concentration Areas	Does not intersect with bald eagle concentration area	No Eagle Act permit required		
<b>Critical Habitat</b>				
N/A				
<b>Species Under the Jurisdiction of NMFS</b>				
Atlantic sturgeon	No suitable habitat present		Atlantic sturgeon are "anadromous"; adults spawn	Shallow water upstream of culverts under I264.

<b>NOAA Fisheries</b>				
Essential Fish Habitat	Present			Potential habitat mapped
Anadromous Fish Use Area	No effect			No habitat listed
SAV Beds	No effect			No habitat listed
HAPC Sandbar Shark	No effect			No suitable habitat

<b>Other (species not listed above)</b>				

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