

# Species Conclusions Table

Project Manager: Anna Lawston	Project Name: Avanti
Date: 12/6/2017	Project Number: 2017-00637

Project Description: To construct a commercial development within and exisitn Industrial park

## 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)	No suitable habitat present	No effect	<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>	<p>Relying on the findings of the 1/5/2016 Programmatic Biological Opinion for Final (9d) Rule on the Northern Long-eared Bat and Activities Excepted from Take Prohibitions to fulfill our project-specific section 7 responsibilities. There will be treeing clearing on the project site and in association with grading for buildings and parking</p>
Dwarf wedge mussel (Alasmidonta heterodon)	No suitable habitat present	no effect	<p>"The dwarf wedge mussel lives in shallow to deep rivers and creeks of various sizes where the current is slow to moderate. This mussel lives on muddy sand, sandy, and gravel stream bottoms that are nearly silt free."</p>	<p>there is no suitable habitat located on the project site where the stream impacts will occur. While there may potentially be mussels located in the stream channel adjacent to the project site there are no impacts proposed to the large channel. In addition, appropriate E&amp;S controls and standards will be required to reduces seditmentation deposits and distrubance to the channel.</p>



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Eagle Nests	Unlikely to disturb nesting bald eagles	No Eagle Act permit required		no nest present
Eagle Concentration Areas	Does not intersect with bald eagle concentration area	No Eagle Act permit required		no nest or eagles present
<b>Critical Habitat</b>				
N/A	No critical habitat present			
<b>Other (species not listed above)</b>				

<b>Species Under the Jurisdiction of NOAA/NMFS</b>				
Essential Fish Habitat	n/a			
Anadromous Fish Use Area	n/a			
Subaquatic Vegetation	n/a			
HAPC Sandbar Shark	n/a			
Atlantic Sturgeon	n/a			

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