

Important U.S. Fish and Wildlife (USFWS) Animal At-Risk Species (ARS) in North Carolina & Survey Windows

Common Name	Scientific Name	Recommended Survey Window
AMPHIBIANS		
Eastern hellbender	<i>Cryptobranchus alleganiensis alleganiensis</i>	May 15 - August 15 (Rock Lifting Surveys); August 15 - September 15 (Passive Surveys)
Neuse River waterdog	<i>Necturus lewisi</i>	November 15 - March 15
BIRDS		
Black rail	<i>Laterallus jamaicensis</i>	April 1 - June 30
FISH		
Carolina madtom	<i>Noturus furiosus</i>	Year round; April - October (Optimal)*
MAMMALS		
Tricolored bat	<i>Perimyotis subflavus</i>	Divisions 1-8: Coastal Plain**; April 15 - Sept 15; Piedmont**: May 1 - Sept 15; Divisions 9-14: Structure Checks: May 15 - August 15
MUSSELS		
Atlantic pigtoe	<i>Fusconaia masoni</i>	March 1 - November 1 (optimal)
Brook floater	<i>Alasmidonta varicosa</i>	March 1 - November 1 (optimal)
Green floater	<i>Lasmigona subviridis</i>	March 1 - November 1 (optimal)

*Per personal communication with Sarah McRae (USFWS)

**for Coastal Plain and Piedmont delineation see attached map (Per USFWS Raleigh Field Office).

ARS = At Risk Species: A plant or animal that is proposed for listing as threatened or Endangered under the Endangered Species Act (ESA), is a candidate species for listing, or has been petitioned by a third party for listing. These species are not protected under the ESA.

Survey windows for selected ARS species are provided because these species may be listed under the ESA as federally threatened or endangered species in the near future. **There are a total of 62 species listed as ARS in North Carolina as of March 1st, 2019 that have had a substantial 90-day finding, under review by USFWS, considered a candidate species, or proposed for listing as Threatened.**

Recommended Survey Windows Approved By: USFWS (Raleigh Field Office) on August 8, 2019; and USFWS (Asheville Field Office) on x 2019.

