

# Species Determination Chart

## Species Potential Effects Chart

Species	Question 1	Question 2	Question 3	Question 4
<b>Indiana bat</b>	<p>Will the project involve any tree removal or trimming?</p> <p>Yes = May effect, submit project information to WVFO.</p> <p>No = Go to Question 2.</p>	<p>Are there any structures present within your project area that could be considered suitable for hibernating or roosting bats<sup>1</sup> ?</p> <p>Yes = May effect, submit project information to WV Field Office (fw5_wvfo@fws.gov).</p> <p>No = Go to Question 3.</p>	<p>Is your project within known summer maternity or spring staging/fall swarming areas for the Indiana bat?<sup>2</sup></p> <p>Yes = Go to Question 4.</p> <p>No = No Effect.</p>	<p>Will the project involve any stream/wetland impacts?</p> <p>Yes = May effect, submit project information to the WV Field Office (fw5_wvfo@fws.gov).</p> <p>No = No Effect.</p>
<b>Northern long-eared bat</b>	<p>Is your project within 150-feet of a documented northern long-eared bat roost tree or ¼ mile of a documented northern long-eared bat hibernacula according to IPaC?<sup>2</sup></p>	<p>Does your project propose tree removal?</p> <p>Yes = May affect, but ESA Section 4(d) rule applies. <a href="#">Submit</a></p>		

<sup>1</sup> These include but are not limited to: caves, mine portals, rock fissures, bridges, buildings/structures with cracks or gaps, etc.

<sup>2</sup> This information is located on your official species list.

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	<p>Yes = May effect, submit project information to WV Field Office (fw5_wvfo@fws.gov).</p> <p>No = Go to Question 2.</p>	<p><a href="#">streamlined 4(d) rule form to WVFO.</a></p> <p>No = No Effect.</p>		
<b>Virginia big-eared bat</b>	<p>Will your project occur within a known use area for this species<sup>1</sup>?</p> <p>Yes = May effect, submit project information to WV Field Office (fw5_wvfo@fws.gov).</p> <p>No = No Effect.</p>			
<b>Gray bat</b>	<p>Will your project directly or indirectly affect any caves, mine portals, bridges, fissures, structures, or culverts?</p> <p>Yes = May effect, submit project information to WV Field Office (fw5_wvfo@fws.gov).</p> <p>No = Go to Question 2.</p>	<p>Will the project involve any stream/wetland impacts?</p> <p>Yes = May effect, submit project information to WV Field Office (fw5_wvfo@fws.gov).</p> <p>No = No Effect.</p>		

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<p><b>Federally-listed Aquatic Species (includes Mussel, Crayfish, and Darters)</b></p>	<p>If your project occurs only within a watershed known to support a federally-listed aquatic species, and does not occur within close proximity of a direct tributary, then the project will have no effect on the species.</p> <p>If your project occurs within close proximity to either a stream or a direct tributary known to support a federally-listed aquatic species, then answer the following question.</p> <p>Will the project directly affect the streambed (below ordinary high-water mark) of the stream? <sup>3</sup></p> <p>Yes = May effect, submit project information to WV Field Office (fw5_wvfo@fws.gov).</p> <p>No = Go to Question 2.</p>	<p>Will the project bore underneath (directional bore or horizontal directional drill) a mussel/crayfish/darter stream?</p> <p>Yes = May effect, submit project information to WV Field Office (fw5_wvfo@fws.gov).</p> <p>No = Go to Question 3.</p>	<p>Will the project involve earth moving and require erosion and sedimentation control measures within close proximity to a mussel/crayfish/darter stream?</p> <p>Yes = May effect, submit project information to WV Field Office (fw5_wvfo@fws.gov).</p> <p>No = Go to Question 4.</p>	<p>Will the project affect fish quantities<sup>4</sup> or water quantity/quality<sup>5</sup> in a mussel/crayfish/darter mussel stream?</p> <p>Yes = May effect, submit project information to WV Field Office (fw5_wvfo@fws.gov).</p> <p>No = No Effect.</p>
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<sup>3</sup> Refer to our list of aquatic habitats/or map.

<sup>4</sup> Projects that could affect fish movement include stocking or harvesting, or any project that could result in an increase to recreational fishing.

<sup>5</sup> This includes water withdrawals and discharge of contaminants (even with a NPDES).

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<p><b>Cheat Mountain Salamander</b></p>	<p>Does the project occur within northern hardwood forests and/or red spruce dominant forests above 2,000 feet in elevation of Grant, Pendleton, Pocahontas, Randolph, or Tucker counties?</p> <p>Yes = May effect, submit project information to WV Field Office (fw5_wvfo@fws.gov)</p> <p>No = No Effect.</p>			
<p><b>Flat Spired Three Toothed Land Snail</b></p>	<p>Will your project impact sandstone outcrops, cliff line features, emergent boulders, or talus slopes in the Cheat River Gorge?</p> <p>Yes = May effect, submit project information to WV Field Office (fw5_wvfo@fws.gov).</p> <p>No = No Effect.</p>			

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<p><b>Madison Cave isopod</b></p>	<p>Will your project affect any wells, springs, sinkholes, or caves, or result in the creation of new sinkholes, in Jefferson or Berkeley counties?</p> <p>Yes = May effect, submit project information to WV Field Office (fw5_wvfo@fws.gov).</p> <p>No = No Effect.</p>			
<p><b>Harperella</b></p>	<p>Will the project directly affect the streambed (below ordinary high water mark), streambanks, or riparian vegetation of Back Creek, Sleepy Creek, the Potomac River, or the Cacapon River?</p> <p>Yes = May effect, submit project information to WV Field Office (fw5_wvfo@fws.gov).</p> <p>No = Go to Question 2.</p>	<p>Will the project involve earth moving and require erosion and sedimentation control measures within close proximity to these streams?</p> <p>Yes = May effect, submit project information to WV Field Office (fw5_wvfo@fws.gov).</p> <p>No = No effect.</p>		

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<p><b>Virginia spiraea</b></p>	<p>Will the project directly affect the streambed (below ordinary high water mark), streambanks, or riparian vegetation of the Lower New, Meadow, Marsh Fork, Gauley, Buckhannon or Bluestone Rivers?</p> <p>Yes = May effect, submit project information to WV Field Office (fw5_wvfo@fws.gov).</p> <p>No = Go to Question 2.</p>	<p>Will the project involve earth moving and require erosion and sedimentation control measures within close proximity to these rivers?</p> <p>Yes = May effect, submit project information to WV Field Office (fw5_wvfo@fws.gov).</p> <p>No = No Effect.</p>		
<p><b>Northeastern bulrush</b></p>	<p>Will the project affect any wetlands in Berkeley or Hardy Counties?</p> <p>Yes = May effect, submit project information to WV Field Office (fw5_wvfo@fws.gov).</p> <p>No = No Effect.</p>			

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<p><b>Running buffalo clover</b></p>	<p>Will the project affect any forested habitat suitable for the species?</p> <p>Yes = May effect, submit project information to WV Field Office (fw5_wvfo@fws.gov).</p> <p>No = No Effect.</p>			
<p><b>Shale barren rock cress</b></p>	<p>Will the project affect any shale barrens in Greenbrier, Hardy, or Pendleton counties?</p> <p>Yes = May effect, submit project information to WV Field Office (fw5_wvfo@fws.gov).</p> <p>No = No Effect.</p>			
<p><b>Small whorled pogonia</b></p>	<p>Does the project occur within deciduous forest in Greenbrier, Randolph, Tucker, or Pocahontas counties?</p>			

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	<p>Yes = May effect, submit project information to WV Field Office (fw5_wvfo@fws.gov).</p> <p>No = No Effect.</p>			
<b>Rusty-patched bumble bee</b>	<p><a href="#"><u>Is your project within a RPBB High Potential Zone?</u></a></p> <p>Yes = May effect, submit project information to WV Field Office (fw5_wvfo@fws.gov).</p> <p>No = No Effect.</p>			