

**APPENDIX G**  
**TAKE SPECIES MAPS**

## **LIST OF ATTACHMENTS**

- Figure 6.2.1.3-1 Potential Occurrence of Indiana Bat Within Covered Lands
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- Figure 6.2.2.3-2 Bog Turtle Suitable Habitat Within the NiSource Covered Lands
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- Figure 6.2.4.3-1 Potential Occurrence of the Clubshell Mussel Within Covered Lands
- Figure 6.2.5.3-1 Potential Occurrence of the Northern Riffleshell Mussel Within Covered Lands
- Figure 6.2.6.3-1 Potential Occurrence of the Fanshell Mussel Within Covered Lands
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- Figure 6.2.8.3-1 Potential Occurrence of the Sheepnose Mussel Within Covered Lands
- Figure 6.2.9.3-1 Potential Occurrence of the Nashville Crayfish Within Covered Lands
- Figure 6.2.10.3-1 Potential Occurrence of the American Burying Beetle Within Covered Lands

**Figure 6.2.1.3-1**  
**Potential Occurrence of Indiana Bat Within Covered Lands**

**Figure 6.2.1.3-2**  
**Potential Occurrence of Indiana Bat Within Covered Lands**

**Figure 6.2.2.3-1**  
**Bog Turtle Suitable Habitat Within the NiSource Covered Lands**

**Figure 6.2.2.3-2**  
**Bog Turtle Suitable Habitat Within the NiSource Covered Lands**

**Figure 6.2.3.3-1**  
**Potential Occurrence of Madison Cave Isopod Within Covered Lands**

**Figure 6.2.4.3-1**  
**Potential Occurrence of the Clubshell Mussel Within Covered Lands**

**Figure 6.2.5.3-1**  
**Potential Occurrence of the Northern Riffleshell Mussel Within Covered Lands**

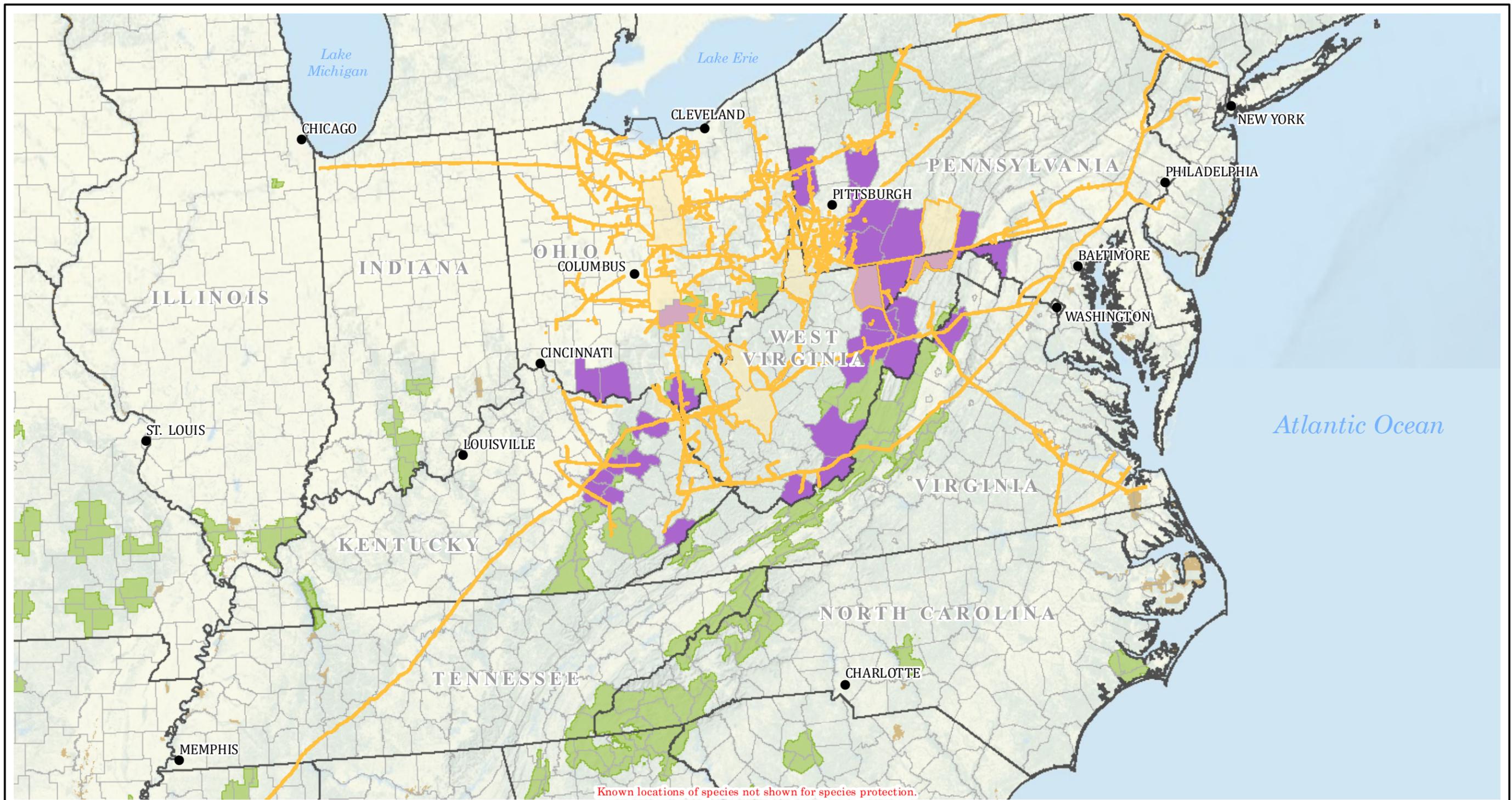
**Figure 6.2.6.3-1**  
**Potential Occurrence of the Fanshell Mussel Within Covered Lands**

**Figure 6.2.7.3-1**  
**Potential Occurrence of the James Spiny mussel Within Covered Lands**

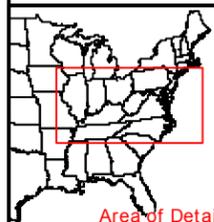
**Figure 6.2.8.3-1**  
**Potential Occurrence of the Sheepnose Mussel Within Covered Lands**

**Figure 6.2.9.3-1**  
**Potential Occurrence of the Nashville Crayfish Within Covered Lands**

**Figure 6.2.10.3-1**  
**Potential Occurrence of the American Burying Beetle**  
**Within Covered Lands**



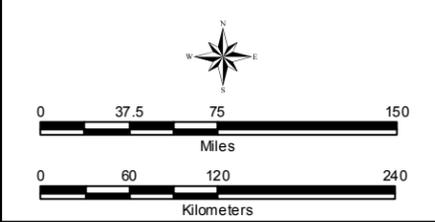
Known locations of species not shown for species protection.



**LEGEND**

- Counties Containing Known Hibernacula Potentially Impacted
- Covered Lands
- U.S. Forest Service Lands
- National Wildlife Refuge Managed Lands

NGS USA Topographic Maps

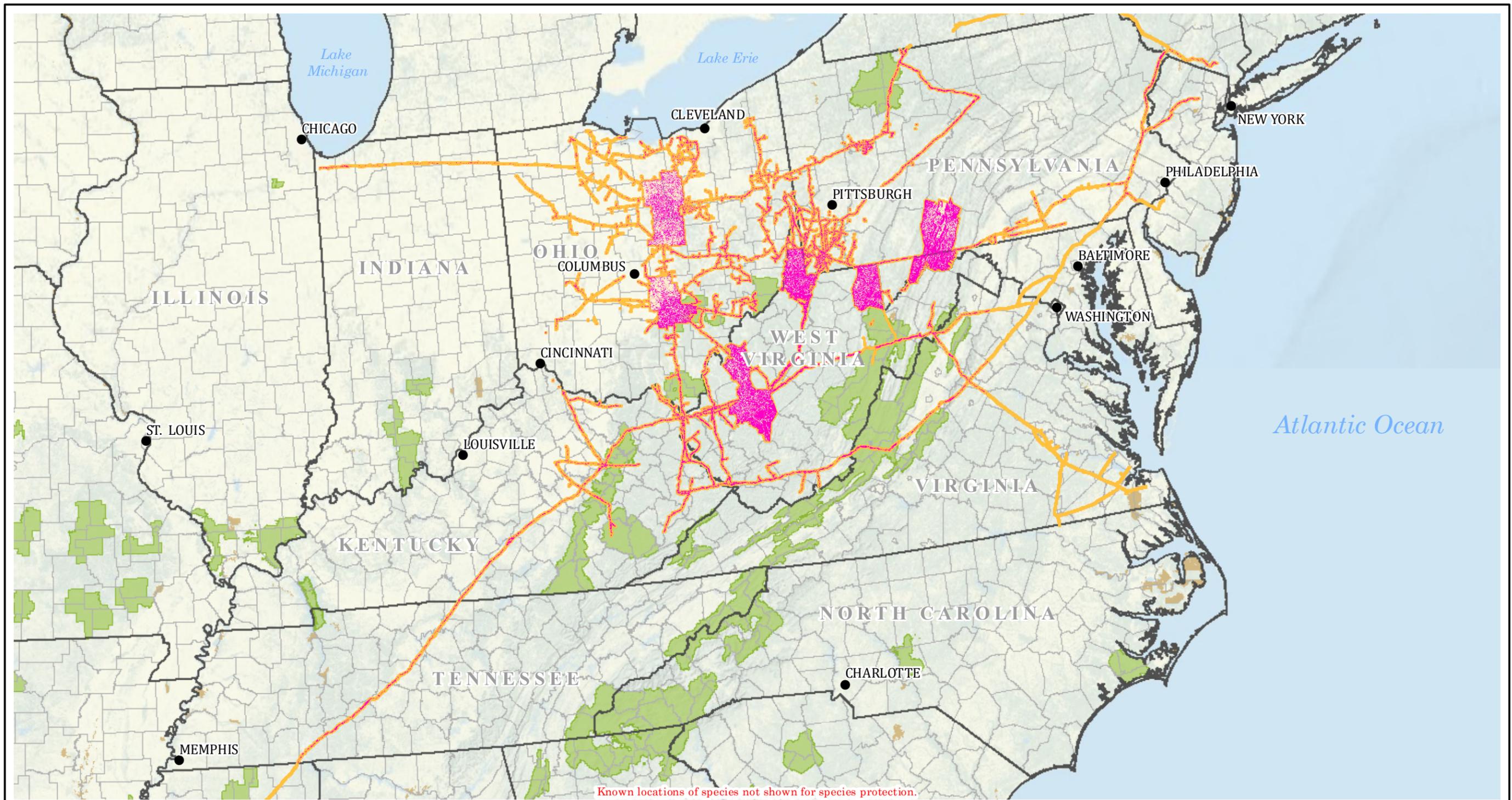


**NiSource MSHCP Project**

**Potential Occurance Of Indiana Bat Within The Covered Lands**

Maps produced by:  
US Fish & Wildlife Service

April, 2010



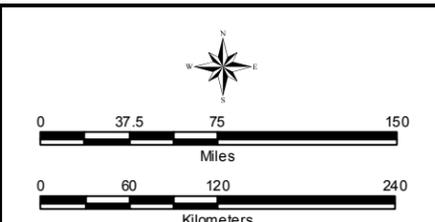
Known locations of species not shown for species protection.



Area of Detail

**LEGEND**

 Indiana Bat Habitat Within Covered Lands	 U.S. Forest Service Lands
 Covered Lands	 National Wildlife Refuge Managed Lands
	NGS USA Topographic Maps



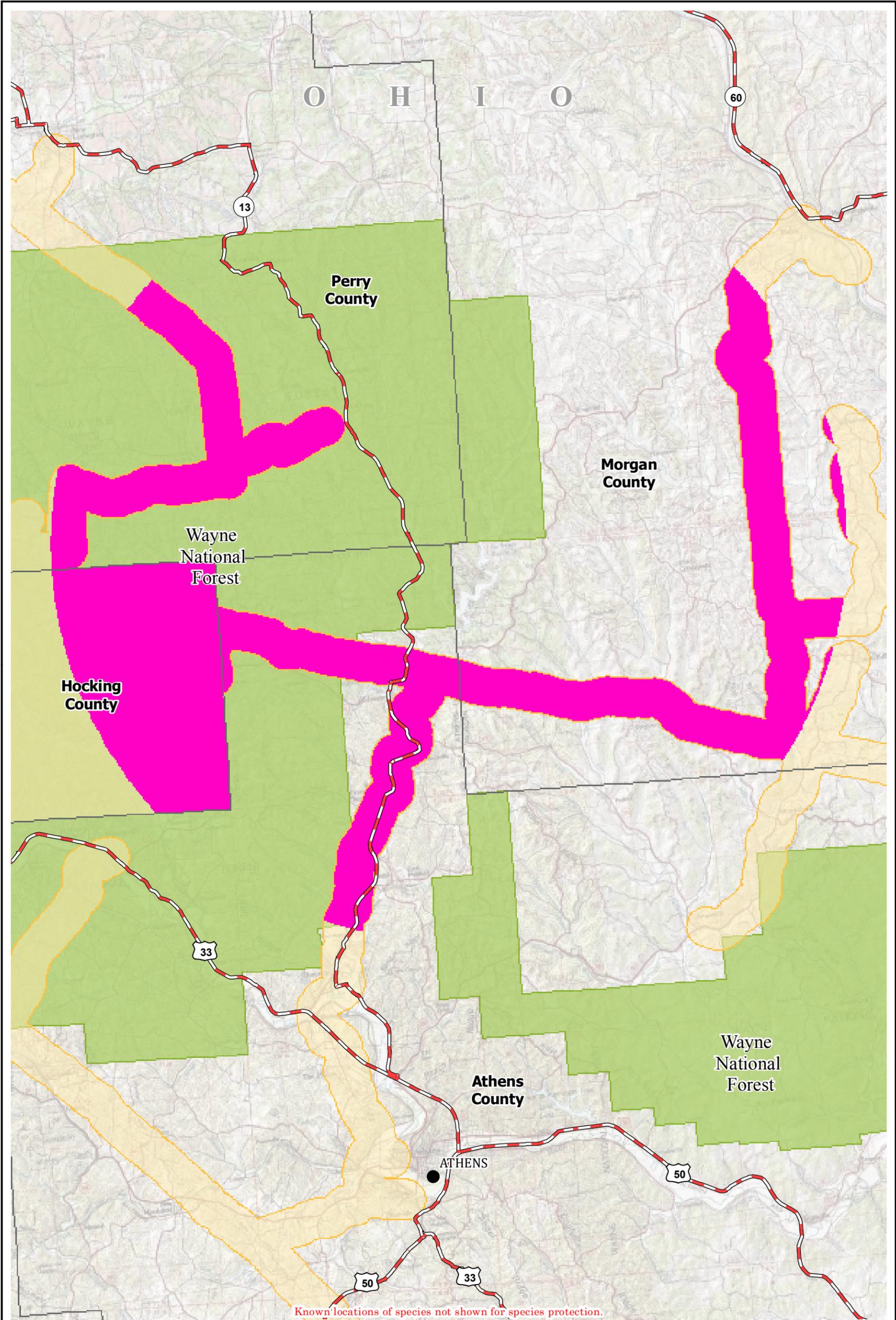
**NiSource MSHCP Project**

**Potential Occurance Of Indiana Bat Within The Covered Lands**

Maps produced by:  
US Fish & Wildlife Service

April, 2010

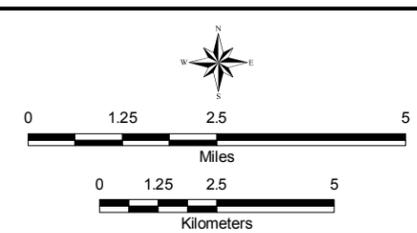




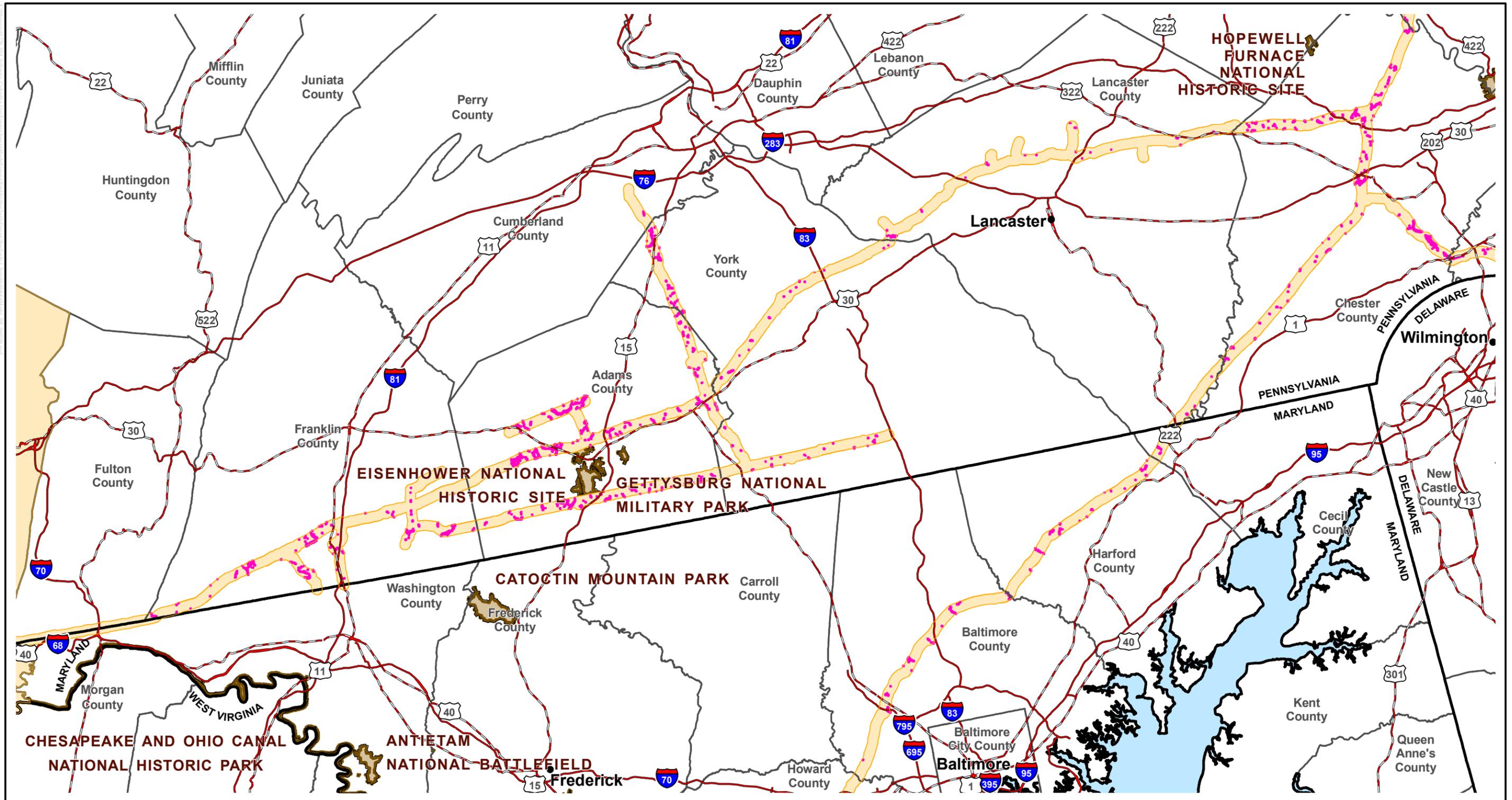
LEGEND

- American Burying Beetle Habitat Within Covered Lands
- Covered Lands
- U.S. Forest Service Lands

NGS USA Topographic Maps

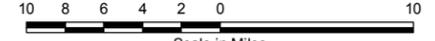


<p><b>NiSource MSHCP Project</b></p>	
<p><b>Potential Occurance Of American Burying Beetle Within The Covered Lands</b></p>	
<p>Maps produced by: <b>US Fish &amp; Wildlife Service</b></p>	<p>April, 2010</p>



**LEGEND**

- NISOURCE COVERED LANDS
- BOG TURTLE SUITABLE HABITAT (NOT TO SCALE)
- NATIONAL PARK SERVICE LAND

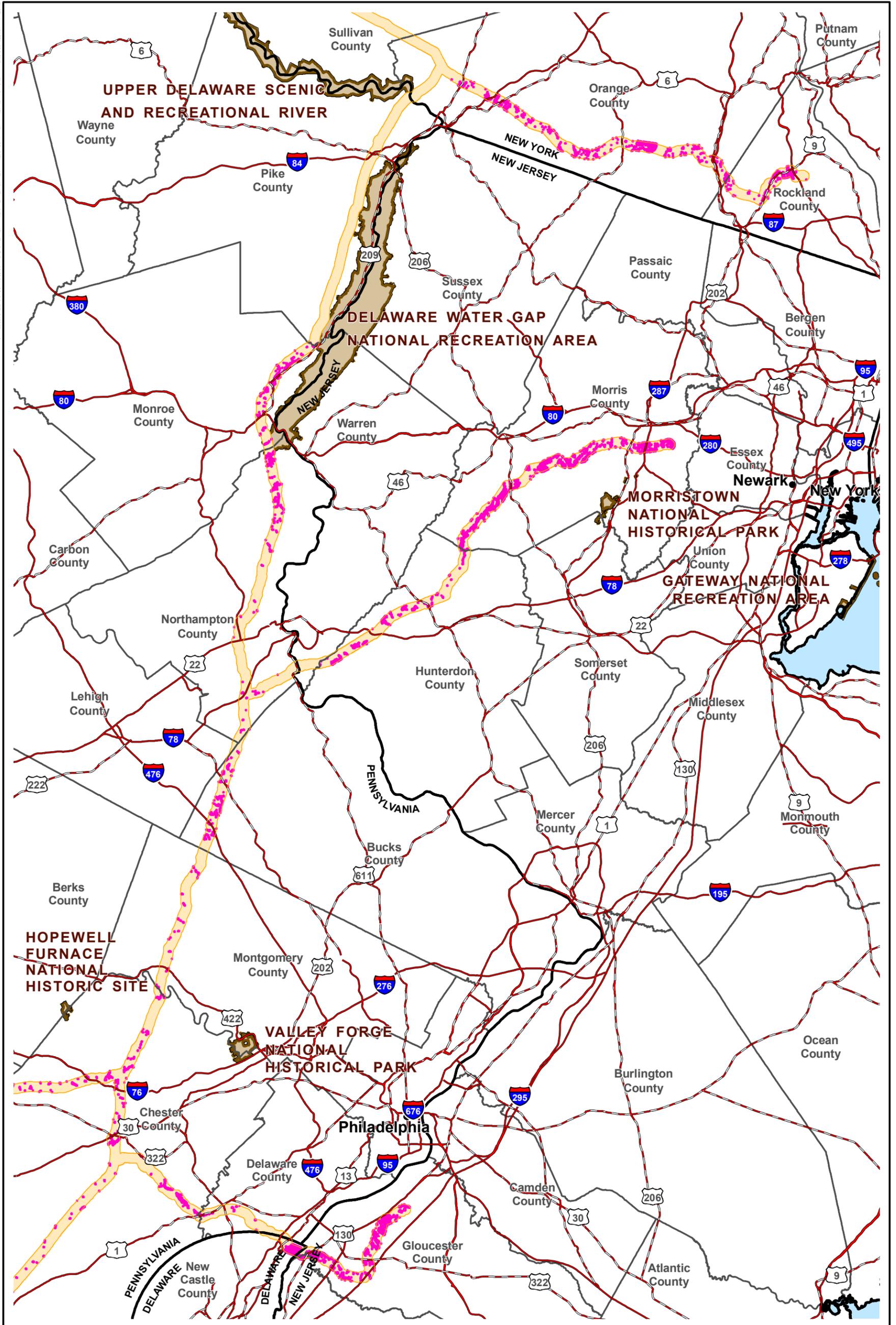
  
 Scale in Miles  


Note: Data sensitivity disallows display of location-specific known occurrences and/or habitat for this species; instead, this map illustrates a realistic representation of suitable habitat or limited range within Covered Lands. In practice, best available data and real-time survey work will inform where AMMs will be implemented on the ground.

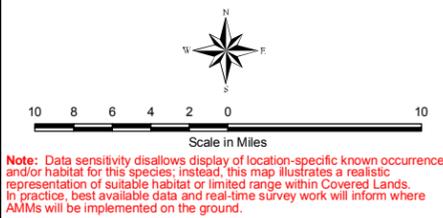
**NiSource MSHCP Project**

**Bog Turtle Suitable Habitat within the NiSource Covered Lands**

  
 ENSR | AECOM June, 2008



- LEGEND**
- NISOURCE COVERED LANDS
  - BOG TURTLE SUITABLE HABITAT (Not to Scale)
  - NATIONAL PARK SERVICE LAND

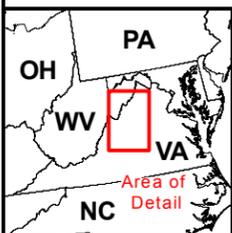
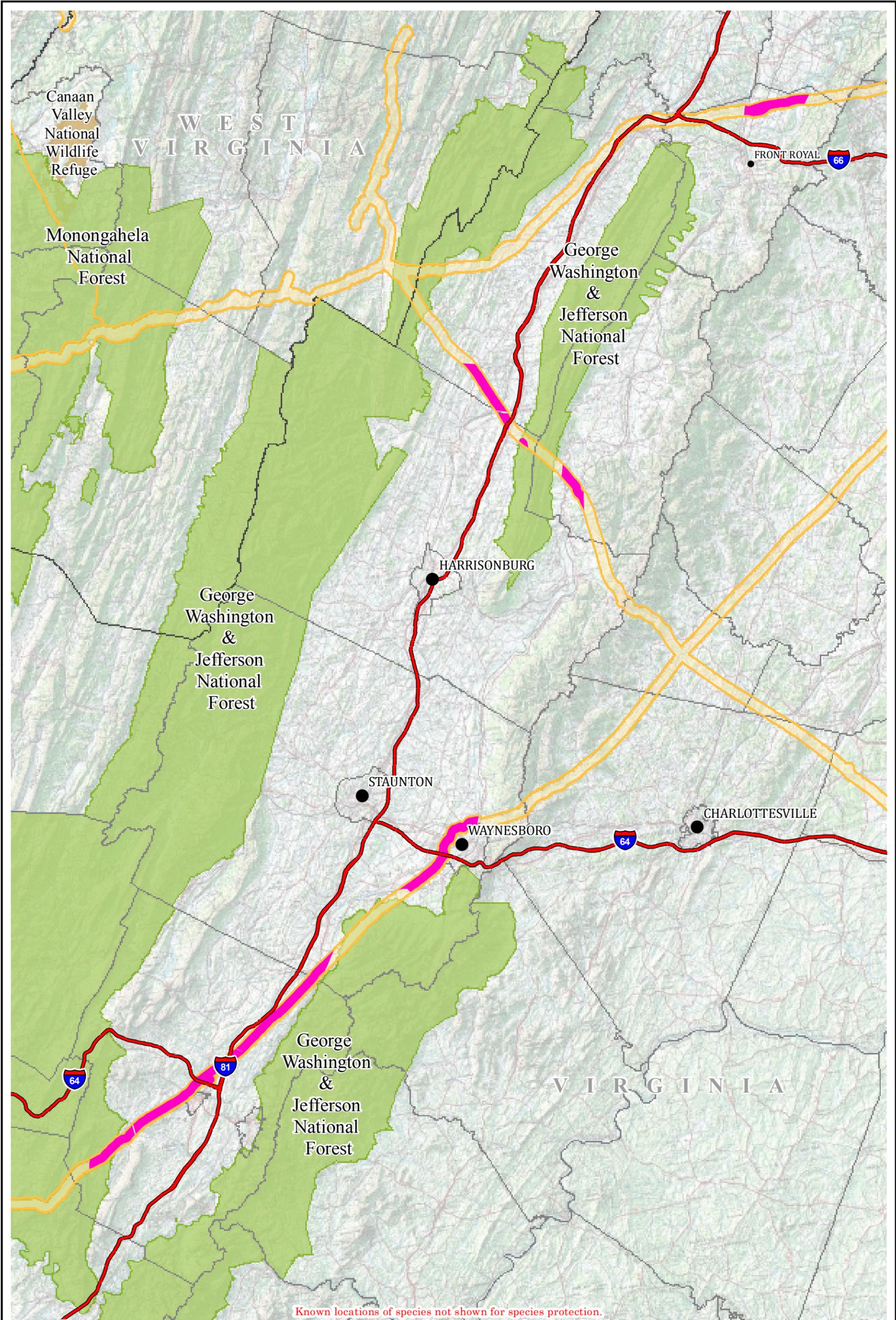


**NiSource MSHCP Project**

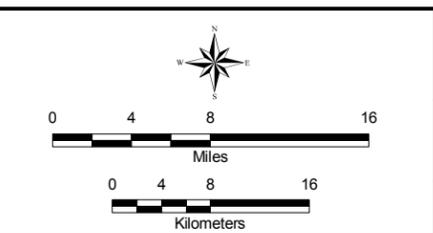
**Bog Turtle Suitable Habitat within the NiSource Covered Lands**

ENSR | AECOM

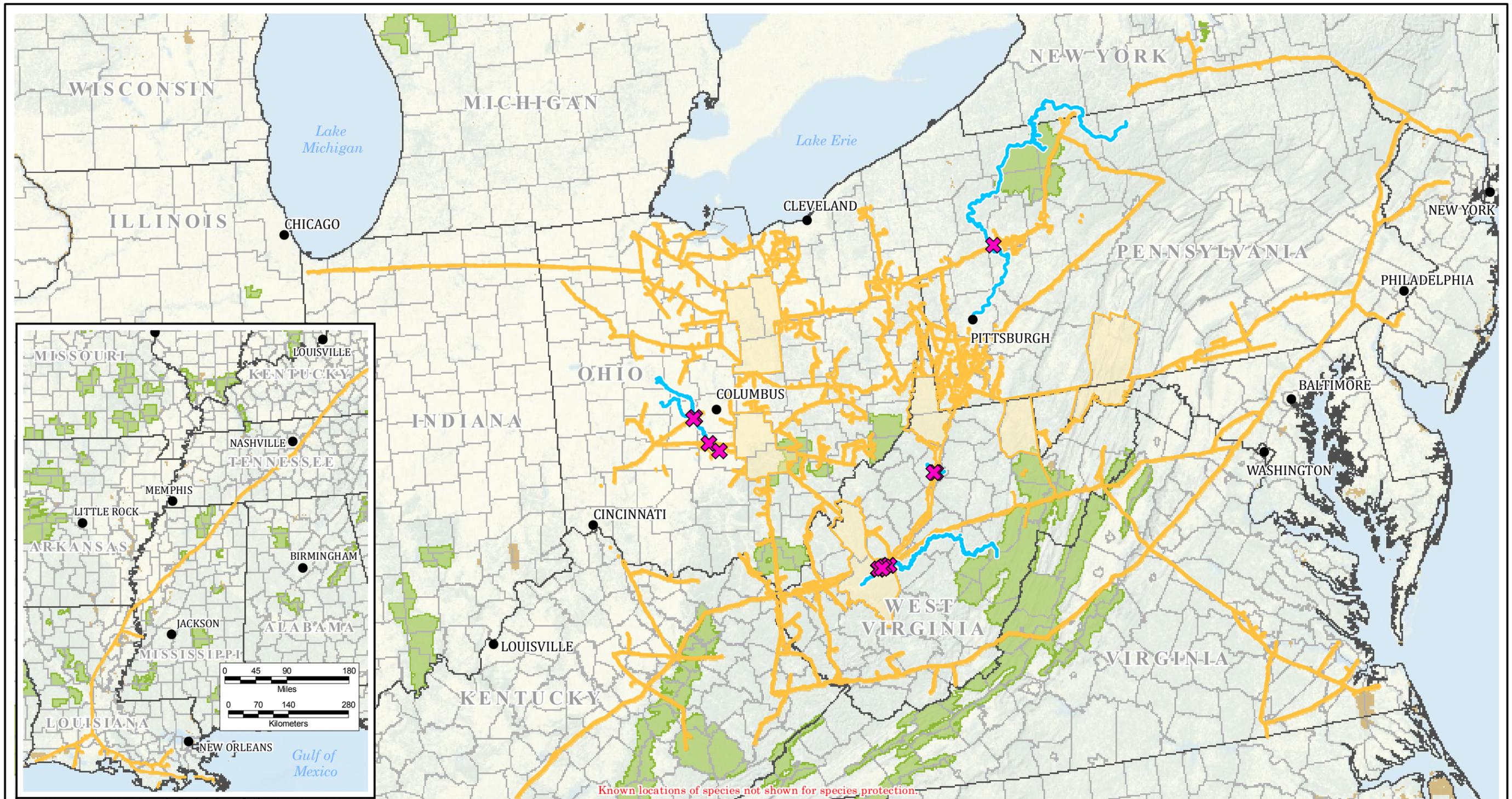
June, 2008



LEGEND	
	Madison Cave Isopod Habitat Within Covered Lands
	Covered Lands
	U.S. Forest Service Lands
	National Wildlife Refuge Managed Lands
NGS USA Topographic Maps	

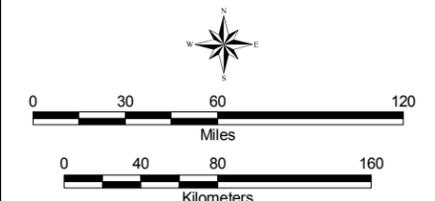


<b>NiSource MSHCP Project</b> 	
<b>Potential Occurance Of Madison Cave Isopod Within The Covered Lands</b>	
Maps produced by: <b>US Fish &amp; Wildlife Service</b>	April, 2010



**LEGEND**

- Stream-Pipeline Intersections
- ✕ Clubshell Occupied Stream
- ⊕ Tributary to Occupied Stream
- Clubshell Streams Analyzed For Impacts
- Covered Lands
- (Covered Lands may appear as a single line due to scale)
- U.S. Forest Service Lands
- National Wildlife Refuge Managed Lands
- NGS USA Topographic Maps

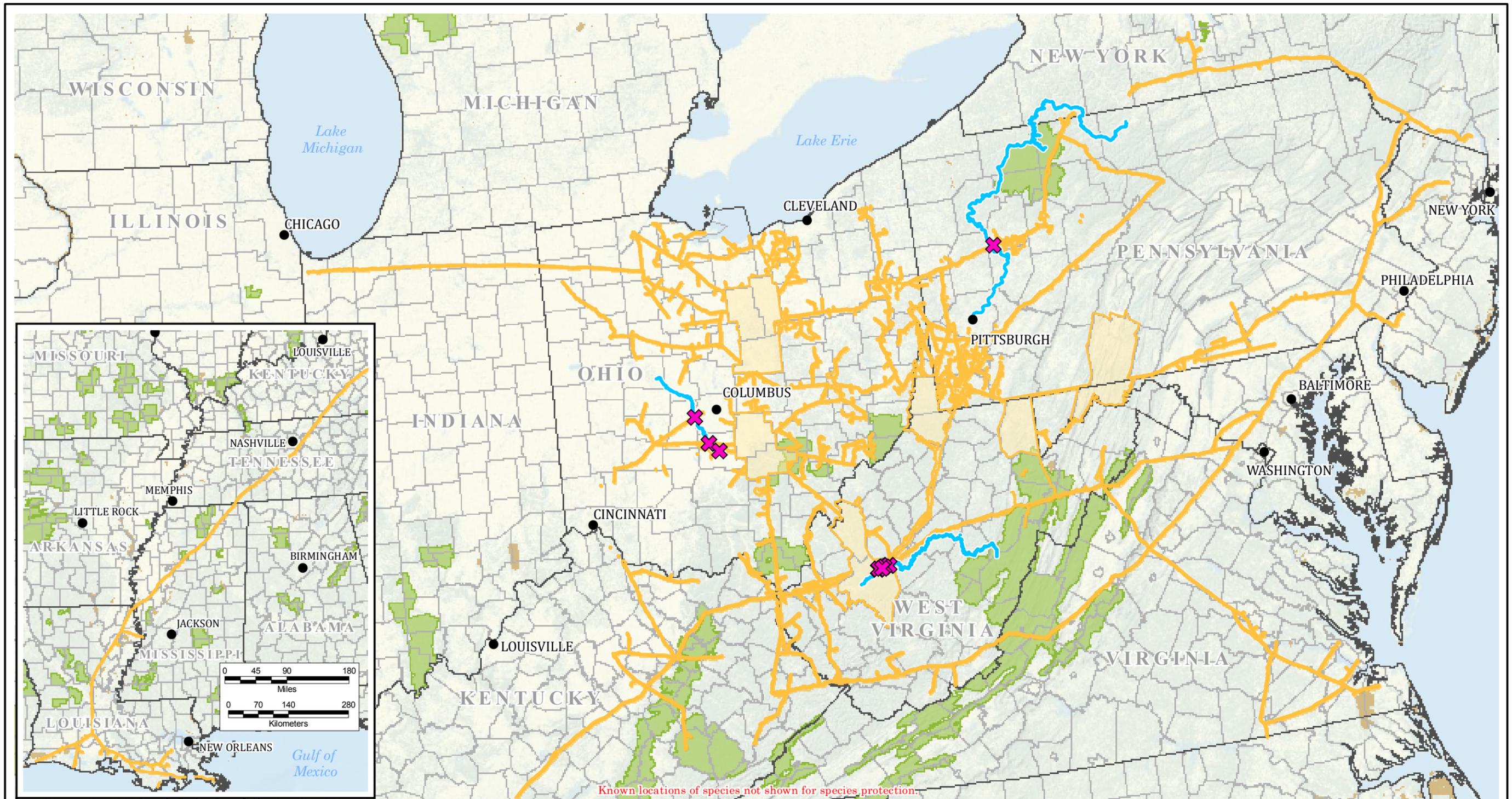


**NiSource MSHCP Project**

**Potential Occurrence Of Clubshell Mussel Within The Covered Lands**

Maps produced by:  
**US Fish & Wildlife Service**

April, 2010

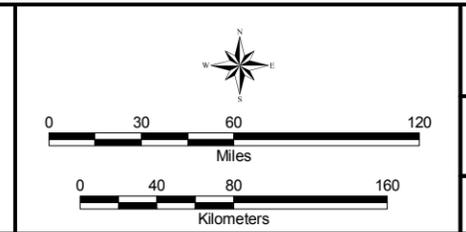


Known locations of species not shown for species protection.



**LEGEND**

<ul style="list-style-type: none"> <li>Stream-Pipeline Intersections</li> <li> Northern Riffleshell Occupied Stream</li> <li> Tributary to Occupied Stream</li> </ul>	<ul style="list-style-type: none"> <li> Northern Riffleshell Streams Analyzed for Impacts</li> <li> Covered Lands</li> <li>(Covered Lands may appear as a single line due to scale)</li> </ul>	<ul style="list-style-type: none"> <li> U.S. Forest Service Lands</li> <li> National Wildlife Refuge Managed Lands</li> <li>NGS USA Topographic Maps</li> </ul>
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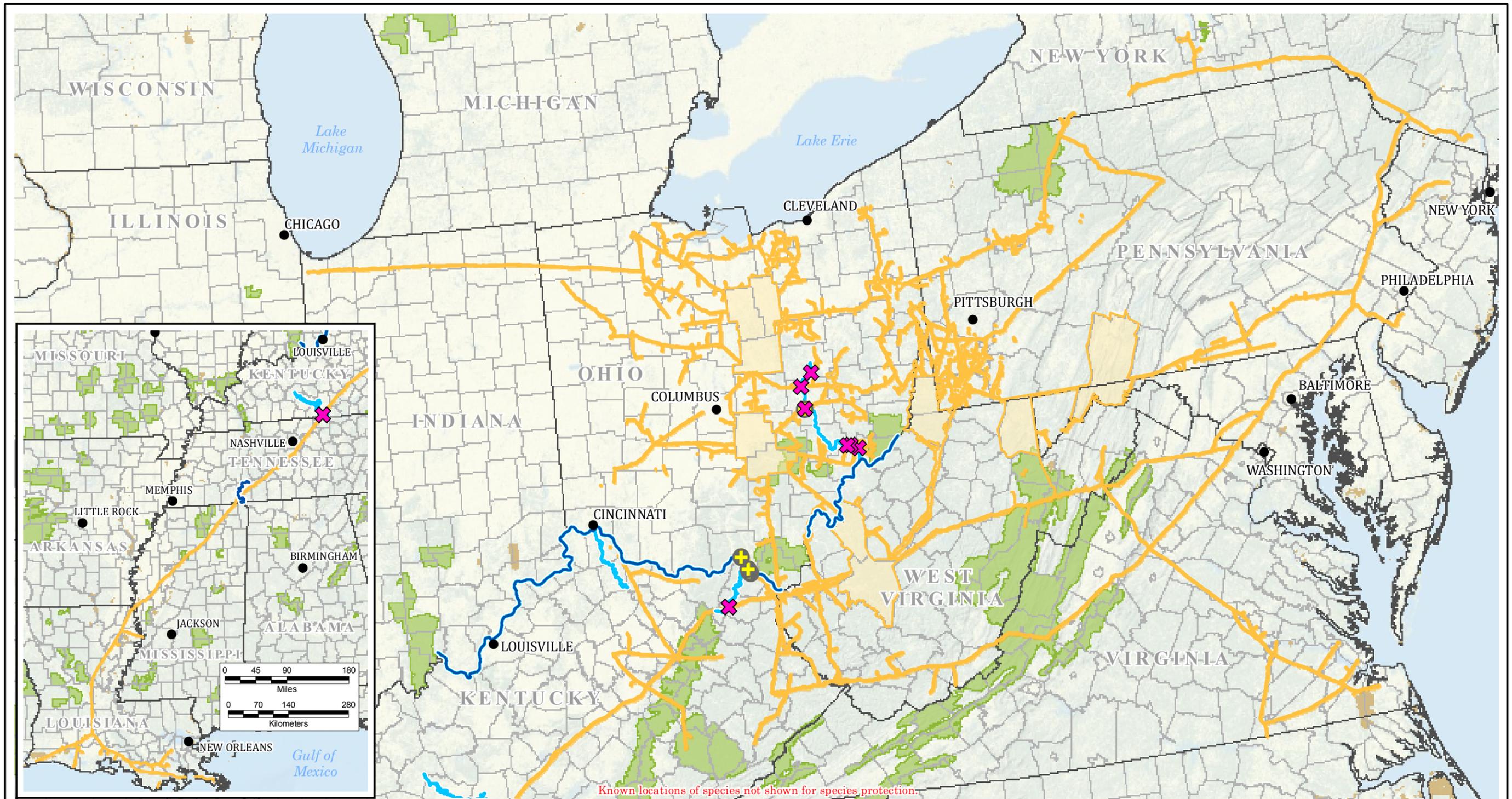


**NiSource MSHCP Project**

**Potential Occurance Of Northern Riffleshell Mussel Within The Covered Lands**

Maps produced by:  
**US Fish & Wildlife Service**

April, 2010

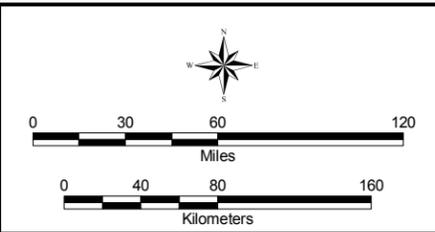


Known locations of species not shown for species protection.



**LEGEND**

Stream-Pipeline Intersections	Fanshell Streams Analyzed For Impacts	U.S. Forest Service Lands
Fanshell Occupied Stream	Fanshell Streams NiSource Will Avoid Direct Impacts	National Wildlife Refuge Managed Lands
Tributary to Occupied Stream	Covered Lands	NGS USA Topographic Maps
	(Covered Lands may appear as a single line due to scale)	

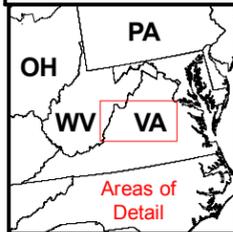
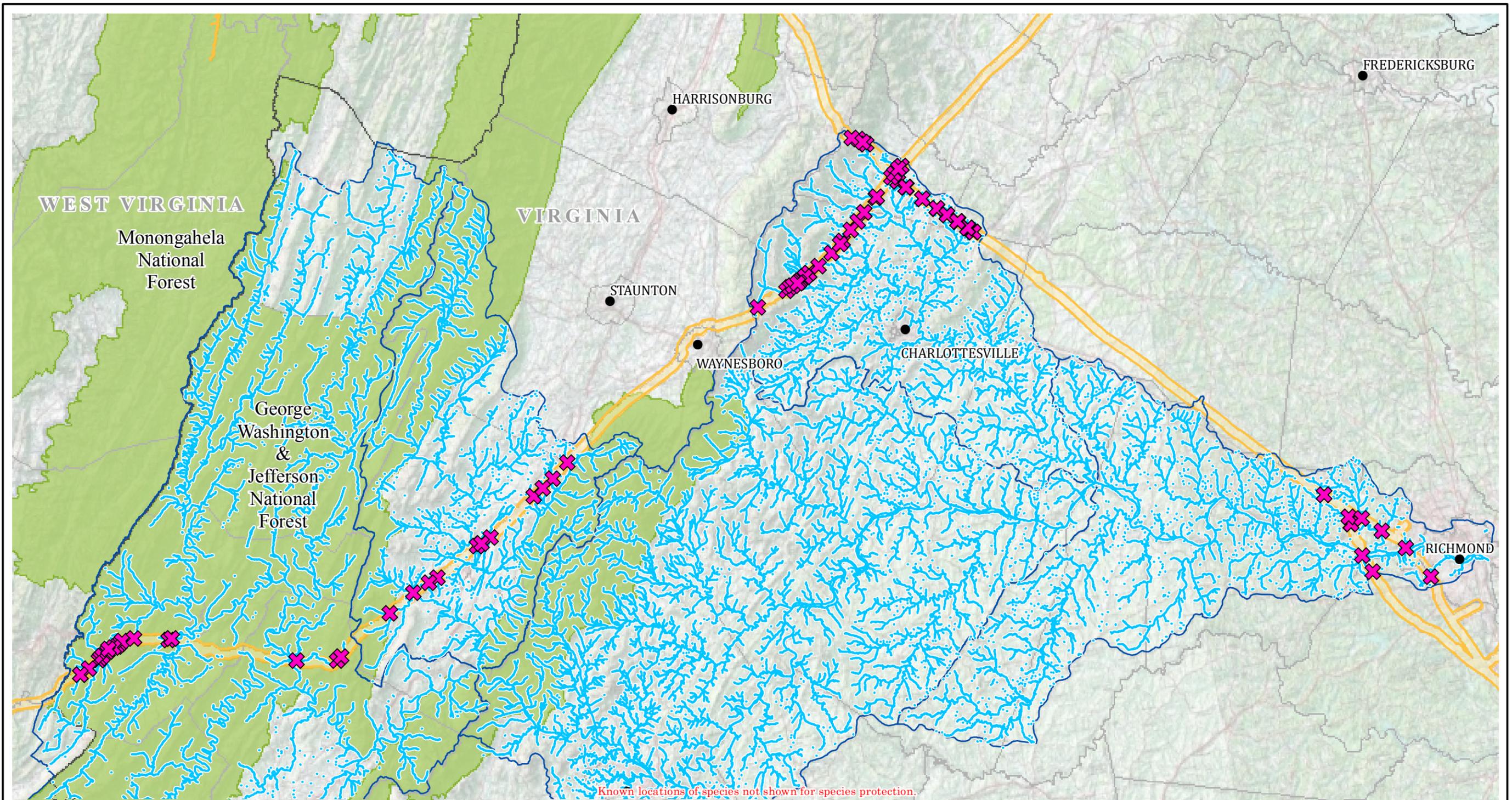


**NiSource MSHCP Project**

**Potential Occurrence Of Fanshell Mussel Within The Covered Lands**

Maps produced by:  
US Fish & Wildlife Service

April, 2010



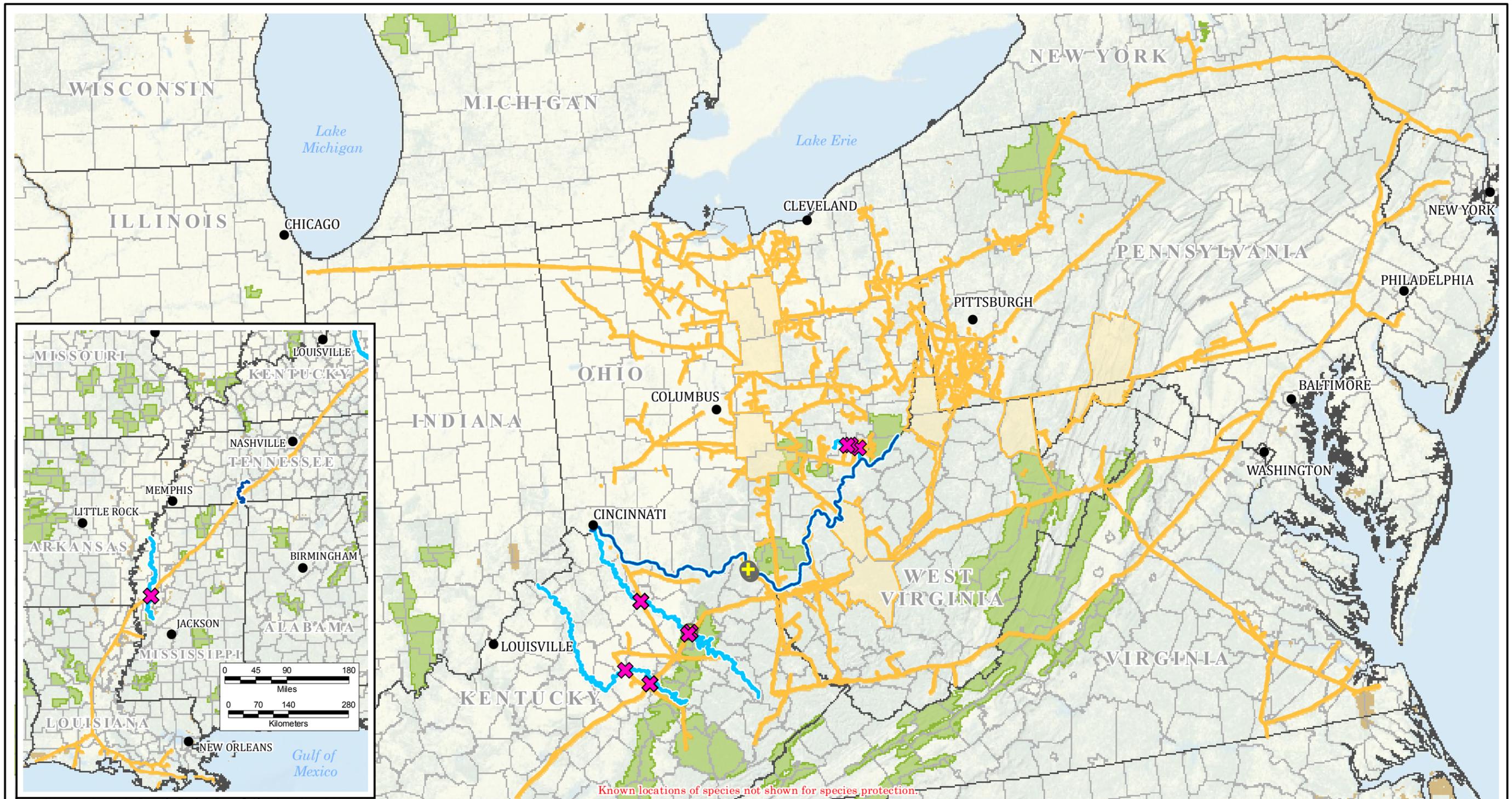
**LEGEND**

<p><b>Stream-Pipeline Intersections</b></p> <ul style="list-style-type: none"> <li><span style="color: magenta;">✕</span> James Spiny mussel Occupied Stream</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: blue;">—</span> James Spiny mussel Streams Analyzed for Impacts</li> <li><span style="border: 1px solid blue; display: inline-block; width: 15px; height: 10px;"></span> Watershed Boundaries</li> <li><span style="border: 1px solid orange; display: inline-block; width: 15px; height: 10px;"></span> Covered Lands</li> </ul>	<ul style="list-style-type: none"> <li><span style="background-color: #90EE90; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> U.S. Forest Service Lands</li> <li><span style="background-color: #D2B48C; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> National Wildlife Refuge Managed Lands</li> </ul> <p>NGS USA Topographic Maps</p>
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Miles

Kilometers

<b>NiSource MSHCP Project</b>		
<b>Potential Occurance Of James Spiny mussel Within The Covered Lands</b>		
Maps produced by: <b>US Fish &amp; Wildlife Service</b>		April, 2010

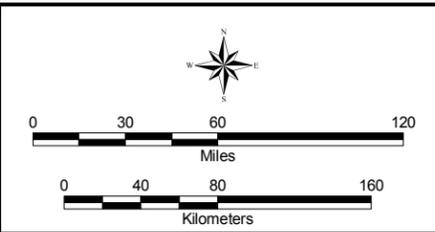


Known locations of species not shown for species protection.



**LEGEND**

Stream-Pipeline Intersections	Sheepnose Streams Analyzed for Impacts	U.S. Forest Service Lands
Sheepnose Occupied Stream	Sheepnose Streams NiSource Will Avoid Direct Impacts	National Wildlife Refuge Managed Lands
Tributary to Occupied Stream	Covered Lands	NGS USA Topographic Maps
	(Covered Lands may appear as a single line due to scale)	

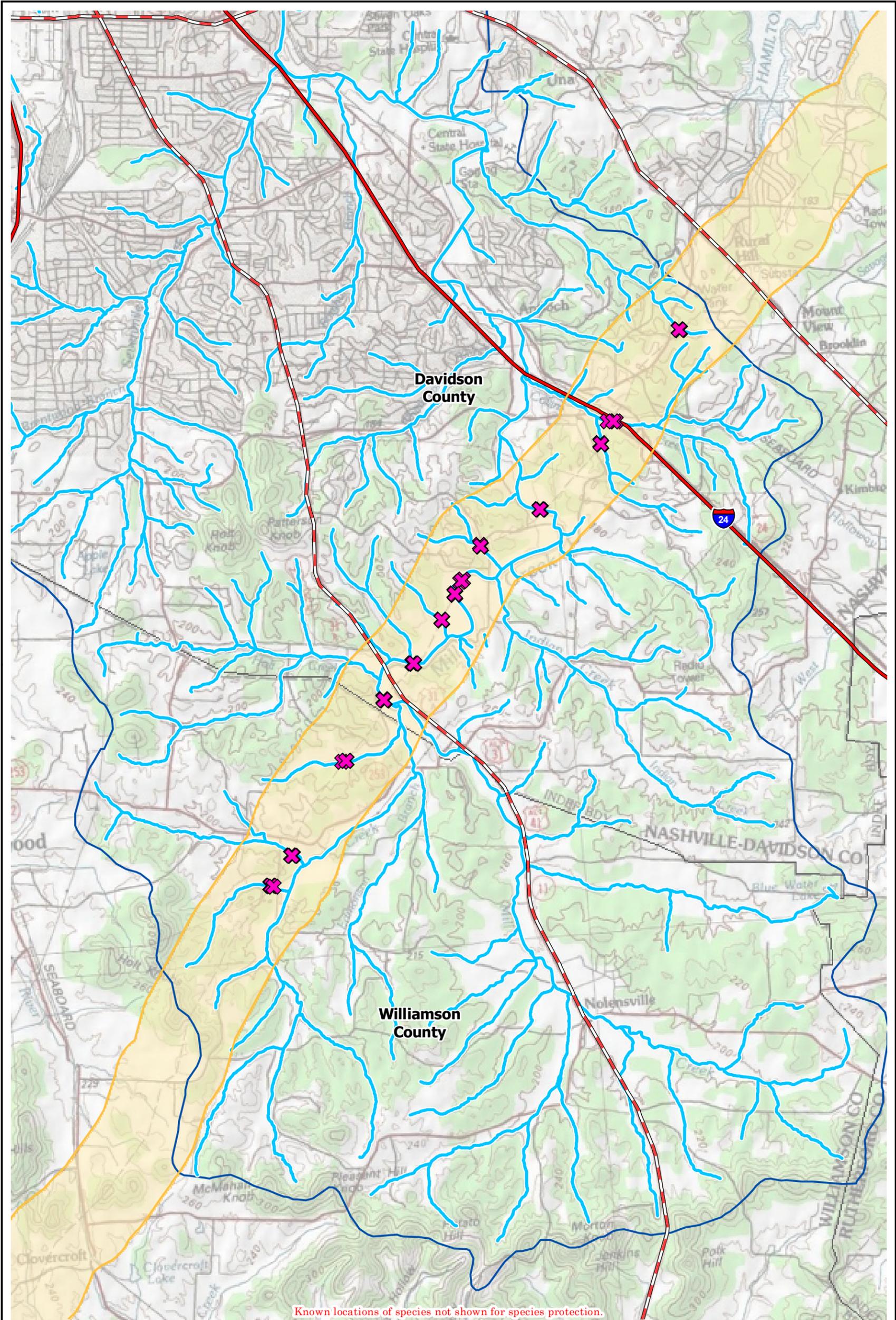


**NiSource MSHCP Project**

**Potential Occurrence Of Sheepnose Mussel Within The Covered Lands**

Maps produced by:  
**US Fish & Wildlife Service**

April, 2010



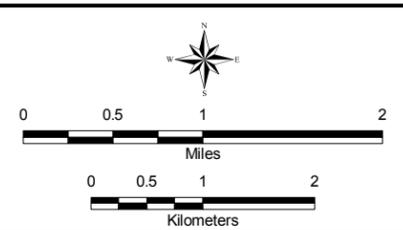
Known locations of species not shown for species protection.



**LEGEND**

- Stream Pipeline Intersections
- Nashville Crayfish Streams Analyzed for Impacts
- Watershed Boundary
- Covered Lands

NGS USA Topographic Maps



**NiSource MSHCP Project**

**Potential Occurance Of Nashville Crayfish Within The Covered Lands**

Maps produced by:  
**US Fish & Wildlife Service**

Habitat Conservation Plan  
Preserving Our Natural Legacy

April, 2010