

**From:** Michael Barbour  
**To:** [Becker, James M](mailto:Becker_James_M)  
**Cc:** [Greg Konietzky](mailto:Greg_Konietzky)  
**Subject:** RE: Map package for AL NHP  
**Date:** Monday, August 21, 2017 2:47:12 PM  
**Attachments:** [AL\\_Redstone.xlsx](#)  
[Rank\\_Definitions\\_2017.pdf](#)  
[17-PNNL-0801\\_Invoice.pdf](#)

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Hi Jim,

I have completed processing your request. I have attached a spreadsheet containing lists of species we had documented within your specified buffer. There is a separate tab in the spreadsheet for each of the files and the aquatic species in the Tennessee River and its tributaries. There is no tab for the Redstone\_PotentialPipelineToDischarge file because we did not have any species documented within 1/8 mile of it.

I hope this information will prove useful to you. I have attached an invoice for \$75. We appreciate your prompt attention to this matter. Payment is due upon receipt. Please let me know if you have any questions or need additional information.

Regards,

Michael Barbour

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Michael Barbour, GISP

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From: Becker, James M [<mailto:James.Becker@pnnl.gov>]  
Sent: Friday, August 18, 2017 1:55 PM

To: 'mbarbour@auburn.edu' <mbarbour@auburn.edu>  
Cc: Montgomery, Sadie A <sadie.montgomery@pnnl.gov>  
Subject: Map package for AL NHP

Hi Mike,

I enjoyed our conversation earlier this week. We have two requests.

The first request concerns the attached map package (mpk) containing the following files, with the buffers within which we would like AL NHP to identify species and habitat (terrestrial and aquatic) (of concern to both the State and Federal governments) occurrences in parentheses:

Redstone\_Transmission line (within 1/8 [0.125] mile on either side)

Redstone\_PotentialPipelineToDischarge (within 1/8 [0.125] mile on either side)

Redstone\_potentialPipelineToIntake (within 1/8 [0.125] mile on either side)

Redstone\_site12 (within 2 miles of the site boundary on all sides)

I am copying Sadie Montgomery on this email, as she is the one who put the attached mpk file together and can answer any questions you might have regarding extracting the files, etc.

The second request concerns aquatic species and habitat occurrences only, in the Tennessee River and its tributaries (within 5 miles on either side of the Tennessee River) between where State Highway 231 and Interstate 65 cross the Tennessee River (i.e., the section of river just south and west of Redstone Arsenal). Note that there is no shape file we can send you that defines these segments of these waterways. I hope you can delineate the area from the above description.

If you could report findings for the 4 attached files and the Tennessee River/tributaries in a sortable spreadsheet (or each in its own individual Excel spreadsheet), that would be much appreciated. Note that we do not need coordinates for species/habitat locations rather just a list of the species/habitats with occurrences within the specified buffers.

Thank you very much for helping us with this. If you have any other questions, besides regarding extracting the mpk files, please call me at 509-371-7186.

Thank you,

Jim Becker