

## Jean Brennan

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**From:** Crockett, Marquette <marquette\_crockett@fws.gov>  
**Sent:** Friday, November 23, 2012 10:44 AM  
**To:** brennanj@vt.edu  
**Subject:** Fwd: Fw: Habitat Type List from NALCC (for use in APPLCC)  
**Attachments:** RepSpeciesFinal062311.zip

Hi Jean,

Here's my original email, along with Scott's reply. I'll post the draft stuff onto the LCC site on Monday - it's all sitting at my desk at the refuge right now.

Thanks again,  
Marquette

----- Forwarded message -----

**From:** Schwenk, William <[william\\_schwenk@fws.gov](mailto:william_schwenk@fws.gov)>  
**Date:** Tue, Nov 20, 2012 at 4:43 PM  
**Subject:** Re: Fw: Habitat Type List from NALCC (for use in APPLCC)  
**To:** "Crockett, Marquette" <[marquette\\_crockett@fws.gov](mailto:marquette_crockett@fws.gov)>  
**Cc:** [Jean\\_Brennan@fws.gov](mailto:Jean_Brennan@fws.gov)

Hi Marquette,

Here is the link to the representative species webpage:  
[http://www.fws.gov/northeast/science/representative\\_species.html](http://www.fws.gov/northeast/science/representative_species.html)  
The pdf I referred to is on this page + other stuff.

I am also attaching the database prepared by UMass for selecting representative species for the Northeast. I didn't work on developing it but should be able to walk you through it if it looks like it could be useful for you.

In terms of your approach, yes, this seems reasonable. It should jump start any approaches to defining and clustering habitats.

Feel free to check back if you have any other questions. - Scott

On Tue, Nov 20, 2012 at 10:43 AM, Crockett, Marquette <[marquette\\_crockett@fws.gov](mailto:marquette_crockett@fws.gov)> wrote:  
Hello again Scott,

No worries - I had forgotten that you were all at that meeting, but I also had some ongoing email issues so I honestly wasn't sure if you had gotten my message (hopefully our new system will fix all that). So, could you possibly give me a link to the page? I've poked around on the R5 website and can't seem to find it anywhere.

I also wouldn't mind having your opinion on what I'm doing...(I've cc'd Jean so this can be an update for her also).

Basically, at this point, I've taken the huge list that Jean had a contractor create from the SWAPS and started proofing it (deleting everything not in the LCC), adding a Y/N column for endemics (which we have a LOT of), and pasting in the Naturereserve habitat description (not the associations, the actual written description), and then adding a very general habitat association (like "deciduous forest" or "cave/karst"). I've finished this process for birds, herps, mammals, and mussels (still working on fish/inverts).

I "discarded" plants from the process because only 1 state actually had them listed in their SWAP - it would seem that if we wanted to include plants with any actual meaning to the list, we would need to request a separate list from each state.

Anyhow, what I'm hoping is that once the LCC partners settle on a standard habitat classification system (either LCC-wide or in each of the three sub-regions that Jean created), it would then be really easy to pull out groups of animals clustered by general habitat and by sub-region (based on which states they occur in) to send to either Naturereserve or the state experts to ask for more fine-scale habitat association specific to their area.

Opinions? Does this seem backwards? If nothing else, it's a really good reference....

Have a great holiday week!  
Marquette

On Thu, Nov 15, 2012 at 9:48 PM, <[William.Schwenk@fws.gov](mailto:William.Schwenk@fws.gov)> wrote:

Hi Marquette,

I apologize for not getting back to you sooner. I'm out of town at a national LCC meeting this week and have fallen behind on my email. If you go to the representative species page on the Region 5 website, you can find a table that shows the clustered "ecological systems" (habitat types) and their corresponding species - it's the pdf "Terrestrial Representative Species by Cluster".

I think this may be a good start for your purposes, but here are a few caveats --

- this does not include some ecological systems that are found in the Appalachian LCC, especially the more southerly ones. It only includes ecological systems found in the geography of the North Atlantic LCC.
- this table is a bit simplified in that separate clusters were actually created for 3 subregions of the North Atlantic, and I have done some merging/simplifying for the table.
- correspondingly, many of the ecological systems in the table are not found in the Appalachians.
- consequently, you may need to take some liberties with the broader categories, adding, changing, or removing some as appropriate.

I have a lot more documentation that I can share including a database developed by UMass that classifies all the species against all the habitat types, based on expert reviews.

One other point - Steve Fuller of our staff has worked with the Northeast States to develop a prioritized list of species occurring in Northeast SWAPs. As I mentioned to Bridgett when I talked to her last week, I can also provide that to you if it would be helpful.

I will be back in the office on Monday and would be glad to discuss further. Good luck and thanks for your contributions to the AppLCC.

Scott Schwenk

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[name note! William=first name, required in email  
Scott=middle name, what I go by  
But I answer to both!]

Marquette Crockett---11/15/2012 07:54:08 AM---Marquette Crockett/R5/FWS/DOI

**Marquette  
Crockett/R5/FWS/DOI** ToWilliam Schwenk/R5/FWS/DOI@FWS,  
11/15/2012 07:54 AM cc

SubjectFw: Habitat Type List from NALCC (for use in  
APPLCC)

Hi Scott,

I just want to make sure that you recieved my email (see below). I've been on webmail and it's a bit "hinky". If you think a phone call would be helpful, please feel free to give me a call at 304-636-6307. I am winding up my detail and want to leave Jean with a "clean" list for the AppLCC to start working from.

Thanks,  
Marquette

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-----Forwarded by Marquette Crockett/R5/FWS/DOI on 11/15/2012 07:54AM -----

To: William Schwenk/R5/FWS/DOI@FWS  
From: Marquette Crockett/R5/FWS/DOI  
Date: 11/09/2012 11:59AM  
Subject: Habitat Type List from NALCC (for use in APPLCC)

Hi Scott,

I have been working on a detail with the Appalachian LCC, and one of my primary projects is to help them create a clean "base" list of species that occur in the LCC from state SWAP programs, T and E, etc. and to give those species habitat associations....with the idea that eventually this list will be used in the representative species process.

I know there has been some debate with the AppLCC about which habitat classifications to use to "create" types. But, I would like to use the same "lumped" associations that were used for the North Atlantic, to keep things consistent. If we have those available and visible, I'm thinking that then partners can have a starting place anyhow.

Do you have a list/crosswalk of these habitat "groups" available that I could use? Or (if not) could you tell me where I might find them.

Thanks,  
Marquette

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[name note! William=first name, required in email  
Scott=middle name, what I go by  
But I answer to both!]

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