

InfoVeg - Bug #4423

Check Taxon occurrences where otherwise not know from state

09/29/2009 08:28 AM - Robert Peet

Status:	New	Start date:	09/29/2009
Priority:	Normal	Due date:	
Assignee:	Forbes Boyle	% Done:	0%
Category:	DataFix	Estimated time:	0.00 hour
Target version:	Unspecified	Spent time:	0.00 hour
Bugzilla-Id:	4423		
Description			
Look at spreadsheet ...CVS\CVS_Occurrences\SpeciesToCheck.xlsx which contains a page each for SC and NC. All these occurrences need to be checked and where needed corrected.			

History

#1 - 09/29/2009 06:43 PM - Michael Lee

Email pertaining to this thread:

I have updated the spreadsheet that shows each taxon with plot counts in NC and SC (yellow columns). It can be found here:

\\bioark\PeetLab\users\Lab_Group\CVS_AnalysisDatabase\plants_withPlotCount_NC_SC_withWeakleyExpected.xls

or here:

http://cvs.bio.unc.edu/data/analysisdb/plants_withPlotCount_NC_SC_withWeakleyExpected.zip

Now it contains the vastly useful values of Alan's expectation of a plant occurring in NC and SC values (blue columns), where 0 is not expected in a state and 1 is expected. It also has values of 0.01 which I assume is uncertain to be present. Is that right, Alan?

The updated spreadsheet also contains columns to compare the plot counts against expectation within each state. These are green columns (blue + yellow = green). There are two interesting cases in these columns: "not on plots, not expected" where we have no plots with these taxa, but Alan expects them in the state. If the species in this set are on expected on the coastal fringe, we probably want the lacunist to try to hit areas with these species. There are some plots in the entry tool that may have these species, but not be properly linked to NC or SC.

The other interesting case is "on plots, not expected" showing taxa we found but that Alan doesn't expect. The major cases here are listed below:

taxa in 2+ plots in NC, but not expected (plot count in parentheses):

Asclepias incarnata var. *incarnata* (4)

Atriplex patula (3)

**Carex grisea* (37)

Carex striata var. *striata* (7)

Crataegus margaretta (7)

Eupatorium petaloideum (2)

Lechea pulchella var. *pulchella* (2)

Liriope muscari (2)

Physalis viscosa (4)

Prunus nigra (2)

Rubus setosus (3)

Scutellaria ovata ssp. *bracteata* (2)

Solanum americanum (2)

Symphytotrichum divaricatum (15)

SC taxa on 2+ plot, but not expected:

Blephilia hirsuta (4)

Cardamine diphylla (17)

Carex glaucoidea (5)

**Carex grisea* (35)

Celtis occidentalis (5)

Dichanthelium caeruleum (2)

Dichanthelium oligosanthes var. *scribnerianum* (2)

Eupatorium anomalum (4)
Halesia tetraptera var. monticola (32)
Lemna minor (3)
Lilium canadense var. canadense (2)
Lindera benzoin var. benzoin (4)
Matelea caroliniensis (32)
Oclemena acuminata (4)
Polymnia canadensis (3)
Prunus pennsylvanica (2)
Rubus allegheniensis (15)
Sisyrinchium xerophyllum (2)
Smilax ecirrata (2)
Solidago sphacelata (4)
Solidago uliginosa var. uliginosa (2)
Trillium flexipes (2)
Vaccinium hirsutum (2)
Veratrum woodii (2)
Viburnum rafinesquianum (2)

*Carex grisea is the only species to show up on both NC and SC lists.

The spreadsheet also shows 220 species that are in our database and listed as Weakley taxa but that are not part of Alan's most recent list he sent me. There are a lot of "species 1" type situations where name changes may have occurred (e.g. Xyris species 1). These are listed as "check" in the last column (out of date taxon?). There is a key code number in the spreadsheet that may better track species identify that I could embed in our database if it is more static than species names.

It would not be too terribly challenging to create a species-centric page that mirrors the community-centric pages showing a summary of plots containing a particular species. (e.g. <http://cvs.bio.unc.edu/data/comm/CEGL007100.xml>) This would probably only require a very good set of rules to fuzz the exact locations of plots with T&E species. This would be very useful for this sort of activity as you could embed links in a spreadsheet like this one to give you 1-click access to species distributions in our database. So someone could see the plot code for the species above in NC or SC that aren't expected to assess its accuracy.

#2 - 03/27/2013 02:26 PM - Redmine Admin

Original Bugzilla ID was 4423