

InfoVeg - Bug #2640

Identify USDA species without county distribution where other spp in genus have distribution

11/02/2006 11:09 AM - Robert Peet

Status:	New	Start date:	11/02/2006
Priority:	Normal	Due date:	
Assignee:	Michael Lee	% Done:	0%
Category:	atlas	Estimated time:	0.00 hour
Target version:	Postpone	Spent time:	0.00 hour
Bugzilla-Id:	2640		
Description			
Look at PERSBOR s.s. with all those records for NC, SC, GA, AL that are actually <i>P. palustris</i> . We need a solution.			
1. Create a list of all the taxa that PLANTS reports for NC&SC with no county records but for which they do report county records for other taxa in the genus. Mike Lee should do this based on USDA data I have in hand. Once this is done, the process should be repeated for each of the states in the region.			
2. Once we have the lists, Alan should examine the taxa and the USDA maps, and should create a list of taxa with too many records and a list of taxa with too few records. The final lists should be shared with USDA and BONAP. Highest priority should be to complete the NC&SC list.			
3. These lists contain sets of taxa that should be treated as nominals rather than USDA/JK99 concepts. We should break the USDA taxa in our database into two groups with one = USDA concepts, and the second = nominal concepts. We can assign this step to Mike Lee. I will need to explain to Michael now to access the database in which the county occurrence data are stored.			
4. As a separate and contingent bug, Xianhua should split USDA in the legend into into two labels and make any code changes necessary to support this split			
Related issues:			
Is duplicate of InfoVeg - Bug #2641: Split USDA into concept-based and nomina...		Closed	11/02/2006
Blocked by InfoVeg - Bug #2645: split USDA in the legend into into two labels		Closed	11/06/2006
Blocked by InfoVeg - Bug #2657: Highlight species with too few counties and t...		Closed	11/10/2006

History

#1 - 11/03/2006 11:16 PM - Michael Lee

On Fri, 3 Nov 2006, Robert K. Peet wrote:

Hi,

The attached zip file contains 4 files.

Plants-NC.txt = Results of request for a list of NC plants from PLANTS, done today. Note that both accepted any synonymized taxa are included. You could repeat this search for any other states of interest.
http://plants.nrcs.usda.gov/cgi_bin/topics.cgi?earl=dl_state.html

Plants-Search = Results of an advanced search of PLANTS done today. I asked for all taxa that occur in NC or SC and asked for all counties of occurrence. Check to see that the list matches the list generated in Plants-NC (or as supplemented with an equivalent SC list).

Plants2003-dist.mdb = a preliminary release of county distribution info sent me by plants in 2003

Plants2006-dist.txt = a "final" county list for plants sent me this summer by plants.

I have no idea the degree to which the county distribution info varies among the three sources here provided. You need to take a peak at that.

#2 - 11/03/2006 11:18 PM - Michael Lee

(In reply to comment [#1](#))

Plants-NC.txt = Results of request for a list of NC plants from PLANTS, done today. Note that both accepted and synonymized taxa are included. You could repeat this search for any other states of interest.

http://plants.nrcs.usda.gov/cgi_bin/topics.cgi?earl=dl_state.html

Plants-Search = Results of an advanced search of PLANTS done today. I asked for all taxa that occur in NC or SC and asked for all counties of occurrence. Check to see that the list matches the list generated in Plants-NC (or as supplemented with an equivalent SC list).

Plants-NC matches the Plants-Search list (where in NC) exactly, except it contains the additional synonyms (only synonyms are extra).

#3 - 11/03/2006 11:22 PM - Michael Lee

(In reply to comment [#1](#))

Plants-NC matches the Plants-Search list (where in NC) exactly, except it contains the additional synonyms (only synonyms are extra).

I just downloaded new plants to form the Plants-SC file, and it matches the plants-search list exactly, too, except with the additional synonyms, but no non-synonyms. So the information in those lists as far as distribution is the same, just the first file(s) include more taxonomic information.

#4 - 11/10/2006 02:31 PM - Michael Lee

Note that the other bugs related to this one can be nicely viewed here:

<http://bugzilla.ecoinformatics.org/showdependencytree.cgi?id=2640>

#5 - 11/10/2006 02:42 PM - Michael Lee

This PART of the bug is done, but there are still other related bugs that need addressing.

http://www.unc.edu/~mikelee/cvs/eep/atlas/USDA_Distribution_Work.zip

is a zipped database that contains the results of what I've done.

A short summary of how I envisioned that this be used is here:

<http://www.unc.edu/~mikelee/cvs/eep/atlas/howToUsePlantsDistDB.txt>

How I did what I did can be seen here:

http://www.unc.edu/~mikelee/cvs/eep/atlas/idMissingCountySpp_USDA_MLeeLog.txt

Note that some species were not found in the 2006 distribution, but were found in the 2003 distribution, and I have not worked these into the materials in the zipped database:

Symbol	Sciname
CHVIA	Chrysogonum virginianum var. australe
ERLI3	Eriocaulon lineare
FIMI	Fimbristylis miliacea
GAMO2	Galactia mollis
GAPA5	Galium parisiense
ONMO	Onosmodium molle
PRPU3	Prunus pumila
PTVI2	Pterocaulon virgatum
RHAL5	Rhododendron alabamense
RHAM	Rhynchosia americana
ROPAP	Rorippa palustris ssp. palustris
SAMA11	Salicornia maritima
SPBR	Spiranthes brevilabris
SPER	Sparganium erectum
SPERS2	Sparganium erectum ssp. stoloniferum

#6 - 02/04/2007 09:04 PM - Robert Peet

reassign to Bob Peet to resolve based on data being collected by Jeff Ott.

#7 - 09/08/2007 01:24 PM - Robert Peet

- Bug 2645 has been marked as a duplicate of this bug. ***

#8 - 09/08/2007 01:25 PM - Robert Peet

- Bug 2641 has been marked as a duplicate of this bug. ***

#9 - 09/08/2007 01:53 PM - Robert Peet

- Bug 2658 has been marked as a duplicate of this bug. ***

#10 - 09/08/2007 02:53 PM - Robert Peet

- Bug 2657 has been marked as a duplicate of this bug. ***

#11 - 03/27/2013 02:20 PM - Redmine Admin

Original Bugzilla ID was 2640