

InfoVeg - Bug #2637

RAB records of nominal variety occurrences have incomplete name

11/01/2006 07:09 AM - Robert Peet

Status:	New	Start date:	11/01/2006
Priority:	Immediate	Due date:	
Assignee:	Xianhua Liu	% Done:	0%
Category:	atlas	Estimated time:	0.00 hour
Target version:	Unspecified	Spent time:	0.00 hour
Bugzilla-Id:	2637		
Description			
Weakley writes: Note all the yellow RAB dots for <i>Ilex longipes</i> , when <i>longipes</i> is unambiguously mapped by RAB as <i>decidua</i> var. <i>longipes</i> . It appears that all <i>decidua</i> dots are being treated as unambiguous.			
RKP responds: I think this is a previously undocumented bug. The crux of the problem is that the RAB map label for the nominal var is <i>Ilex decidua</i> and not <i>Ilex decidua</i> var. <i>decidua</i> .			
This is probably a widespread problem in the database and we need to systematically search the Radford records for vars and make sure that the records for the nominal varieties are so reported in the database. I think this will be the case for every taxon where there is both the nominal var and a named var. Xianhua should be able to do this rather simply.			

History

#1 - 11/05/2006 01:22 PM - Xianhua Liu

I do not understand about this one. For me there is nothing wrong about the map of *Ilex longipes*. We have *Ilex longipes* (Alan Weakley) = *Ilex decidua* var. *longipes* (RAB). So we can infer that *Ilex longipes* (Alan Weakley) < *Ilex decidua* (RAB). So *Ilex decidua* (RAB) is ambiguous identification for *Ilex longipes* (Alan Weakley).

#2 - 11/05/2006 11:17 PM - Robert Peet

If you look at the RAB book you find a map for *Ilex decidua* and a map for *Ilex decidua* var. *longipes*. What RAB mean by *Ilex decidua* was *Ilex decidua* var. *decidua*, but that is not the way the records are in our database; we just followed the names on the maps. Every time RAB had a map with a full species and one or more maps of the same species but for a var, the full species name needs to be changed to the nominal var. (ie the species with the var name = to the species name).

#3 - 11/12/2006 12:48 PM - Xianhua Liu

I need to discuss with Bob and Alan Weakley about this one.

#4 - 02/27/2007 05:19 PM - xianhua liu

Let consider *Ilex longipes* example.

First of all we have following relationships:

1. *Ilex longipes* (Weakley 2005) = *Ilex decidua* var. *longipes* (Radford et al. 1968)
2. *Ilex longipes* (Weakley 2005) < *Ilex decidua* (Radford et al. 1968)

Secondly, RAB records follow Radford standard.

Based on relationship 2, we are not sure if *Ilex decidua* in RAB is *Ilex longipes* sec. Weakley 2005. So it is unambiguous unless we can establish a relationship *Ilex longipes* (Weakley 2005) = *Ilex decidua* (Radford et al. 1968). I wonder if it is the case that an "equal" relationship can be produced based on the relationship 1.

#5 - 02/27/2007 06:51 PM - Robert Peet

You completely misunderstand this bug. Let's start over. Perhaps you are confusing logical mapping with physical mapping.

The problem has nothing to do with the logic of the programming or the concept mapping. Instead there are errors in the distribution data reported in 1968 in the Radford flora (as presented in the printed maps).

In the case of *Ilex decidua*, Radford recognized two varieties, *longipes* and *decidua*. He also provided two maps, one for *decidua* var *longipes* (correct), and one for *Ilex decidua*, which should have been labeled *Ilex decidua* var *decidua*. It turns out that this is a common error in the flora. Nearly every case where there are is a nominal variety (*Aus beus* var *beus*) and one or more other varieties (*Aus beus* var *ceus*), the printed map of the distribution of the nominal variety is incorrectly labeled as the full species (*Aus beus*). We need to systematically search out these cases and relabel the records in our database with the correct names. We also need to keep a list of the taxa where this error occurs so that we can notify USDA and Kartesz.

#7 - 03/13/2007 07:41 PM - xianhua liu

Thanks. I am clear now about the issue. Here enclosed please find the excel file that contains all the Vars in RAB concepts.

So, the *Ilex decidua* (Radford et al. 1968) records should all be changed to *Ilex decidua* var. *decidua*(Radford et al. 1968). Right? If it is correct, then *Ilex decidua* var. *decidua*(Radford et al. 1968) will not show up at all since there is no relationship between *Ilex longipes* (Weakley 2005) and *Ilex decidua* var. *decidua*(Radford et al. 1968).

#8 - 09/08/2007 12:15 PM - Robert Peet

This is correct! Please implement this change.

#9 - 03/27/2013 02:20 PM - Redmine Admin

Original Bugzilla ID was 2637

Files

rab_var.xls	104 KB	03/14/2007	xianhua liu
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