Stevan Earl <srearl@asu.edu>

Bird data and QC
25 messages

Sally Wittlinger <salwitt@asu.edu>   Mon, Jul 8, 2019 at 12:06 PM
To: Kristan Godbeer <Kristan.Godbeer@asu.edu>, Shero Holland <Shero.Holland@asu.edu>
Cc: Stevan Earl <stevan.earl@asu.edu>

Hi Kristan and Shero,

Just a couple of things concerning bird data and QC. First, Shero thank you for catching that about the CORE point at Ave67. That is where your historical knowledge is important. I think we will need to dig out the Core datasheets starting in April 2016 and make sure any data attributed to a Core birder is assigned to down-B1. Documentation for the changes can be found in Dropbox (ASU)\research\SRBP\SpatialData\ BirdsHerpsTransects_latlongWchanges_May2018, going back to the correct tab. This holds for herps and birds, but I am not so concerned about the SRBP surveys because those always note down-b1 or mid-b1 and the herp data sheets are done by transect. The main concern is for the second and third seasonal birders (non-SRBP birders) because they are simply putting AVE67_CORE on their datasheet and the Core designation wasn't changed in the database so the data were entered for the wrong point.

STEVAN, HOW SHOULD WE PROCEED WITH THIS IN THE FUTURE? Do you want to change the notation in the database?

On a related note, going forward, I would like to have Kristan's SRBP bird winter and spring data entered with his Core data and not afterwards as was done this year, i.e., Kristan's winter Core and SRBP data would be entered at the same time (as they follow chronologically) and Kristan's spring Core and spring SRBP data would be entered at the same time. This is because one point at each site does double-duty, acting as part of the SRBP survey, but also as the third Core point for that site. If we wait to enter these data, then the Core data are not complete. As a result, all of the Winter Core data for three birders and the Winter SRBP data should be entered before moving on to the Spring Core data for three birders and the Winter SRBP data. It follows then that it would be QC'd in this order too. This is too late for the 2017-2018 data, but will be important when you (Kristan) organize the 2018-2019 data to give to the student to enter.

Kristan, it looks like you are almost done with the SRBP data entry for Summer 2018, and then just have Fall 2018 data to go before starting on herp data entry.   The student will start bird data entry with Winter 2018-2019 as prescribed above. Shero, as far as QC, you should have left SRBP Winter 2018 data; Parker's Spring 2018 Core data; SRBP Spring 2018 data and, when Kristan finishes with it, Summer and Fall SRBP 2018 data. You will then move on to the 2018-2019 season as the student finishes data entry.

Sorry if this is a bit complicated, but please let me know if you have any questions.

Thank you and good job!

Sally

Sally Wittlinger

Site Manager

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Stevan Earl <stevan.earl@asu.edu>   Mon, Jul 8, 2019 at 2:27 PM
To: Sally Wittlinger <salwitt@asu.edu>
Cc: Kristan Godbeer <Kristan.Godbeer@asu.edu>, Shero Holland <Shero.Holland@asu.edu>

Struggling to get my head around all of this.

What if we just got rid of the CORE designation in the site name but I keep track of it in the database somewhere. The problem with keeping it as part of the site name is that I really do not have a way to say that site X before such and such date was the CORE site for that reach & transect but that site Y is the the CORE site for that reach & transect after that date.

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Sally Wittlinger <salwitt@asu.edu>   Mon, Jul 8, 2019 at 2:51 PM
To: Stevan Earl <stevan.earl@asu.edu>
Cc: Kristan Godbeer <Kristan.Godbeer@asu.edu>, Shero Holland <Shero.Holland@asu.edu>

The problem with that is that if a student (or anyone) entering data isn't as familiar with the sites as Shero, they wouldn't know which site to enter as the CORE, which the data base says.   Even Kristan, who knows these sites and points extremely well, didn't realize the change had been made. Though I suppose we could train the birders to use the name of the SRBP point and not the CORE point on the datasheet.

What if we ended Ave 67_mid_B1_CORE after January 2016 and started Ave67_mid_B1 and ended Ave67_down_B1 after January 2016 and started Ave67_down_B1_CORE after that?   Would that work?

I'm happy to sit in the same room and discuss this if that would help. Datasheets might also help to clarify the issue.

Thanks.

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Stevan Earl <stevan.earl@asu.edu>   Mon, Jul 8, 2019 at 2:56 PM
To: Sally Wittlinger <salwitt@asu.edu>
Cc: Kristan Godbeer <Kristan.Godbeer@asu.edu>, Shero Holland <Shero.Holland@asu.edu>

Maybe I am not understanding why that would matter. Let us say that a student has a data sheet in front of them corresponding to a survey at Ave67_mid_B1, why would they need to know whether that is or is not a/the CORE site, they simply enter the data for that site and day?
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Sally Wittlinger <salwitt@asu.edu>   Mon, Jul 8, 2019 at 3:03 PM
To: Stevan Earl <stevan.earl@asu.edu>
Cc: Kristan Godbeer <Kristan.Godbeer@asu.edu>, Shero Holland <Shero.Holland@asu.edu>

Because for two of the three birders, the datasheet says the site is AVE67_CORE (not AVE67_downB1). Other than Kristan, the birders do not use the SRBP point names, because they only do one point at the site, not the six that Kristan does. But we could specify the full SRBP name on the information that the birders get on their site maps. If we do it for one Salt River site though, we should probably do it for all. Since PASS birding is no longer around, the CORE moniker isn't as important as it once was.

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Stevan Earl <stevan.earl@asu.edu>   Mon, Jul 8, 2019 at 3:12 PM
To: Sally Wittlinger <salwitt@asu.edu>
Cc: Kristan Godbeer <Kristan.Godbeer@asu.edu>, Shero Holland <Shero.Holland@asu.edu>

Yeah, totally. If I am understanding all of this correctly, the only importance of the CORE designation is for me so that I can be sure to pull those data when I publish the core bird data (CORE and SRBP data are published separately owing to the distinct methodologies). So, we could treat the CORE designation the same way that we treat the dynamic locations of these sites: keeping a record of which site along each transect is the core site and any change to that trough time. You can give me such updates if and as the core designation changes (as you do for dates and lat/longs of sites that are relocated). In that way, there is no need for a birder (seasoned or otherwise) to have to give this any thought - they just go to Ave67_up_B2 or

whatever and that is what they list on the datasheet. Yeah?

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Sally Wittlinger <salwitt@asu.edu>   Mon, Jul 8, 2019 at 3:22 PM
To: Stevan Earl <stevan.earl@asu.edu>
Cc: Kristan Godbeer <Kristan.Godbeer@asu.edu>, Shero Holland <Shero.Holland@asu.edu>

Yes, that should work. Just like Kristan just goes to AVE67_down_b1, but doesn't think of it as the CORE point. We could have all the birders go to AVE67_down_b1, which would be the CORE point even if "CORE" isn't in the name. This may be the only time this ever comes up, but we have to find a solution that works.

So will you remove the CORE designation from all six point in the database (one at each site)?

Kristan and Shero and I will work to correct the point name for data collected since 2016. Why don't you wait to change the name until this is done.

Sally

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Stevan Earl <stevan.earl@asu.edu>   Mon, Jul 8, 2019 at 3:27 PM
To: Sally Wittlinger <salwitt@asu.edu>
Cc: Kristan Godbeer <Kristan.Godbeer@asu.edu>, Shero Holland <Shero.Holland@asu.edu>

Okay, sounds good. I will not do anything until I hear from you. S
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Sally Wittlinger <salwitt@asu.edu>   Mon, Jul 8, 2019 at 3:30 PM
To: Stevan Earl <stevan.earl@asu.edu>
Cc: Kristan Godbeer <Kristan.Godbeer@asu.edu>, Shero Holland <Shero.Holland@asu.edu>

Thanks Stevan.

Shero and Kristan, we will need to plan a time to go over this.

And we can't forget to change the site names on the map before the next season.

We will also need to change them on the 2018-2019 data sheets for Parker and Nell (I have their Spring sheets, Kristan—you have the winter sheets).

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Kristan Godbeer <Kristan.Godbeer@asu.edu>   Mon, Jul 8, 2019 at 3:31 PM
To: Sally Wittlinger <salwitt@asu.edu>, Stevan Earl <stevan.earl@asu.edu>
Cc: Shero Holland <Shero.Holland@asu.edu>

Okay. We'll get on that.

We just need to make sure Stevan knows which data (points, including which years) to extract for the analysis of SRBP or Core data, right?

Kristan

From: Sally Wittlinger
Sent: Monday, July 8, 2019 3:22:22 PM
To: Stevan Earl
Cc: Kristan Godbeer; Shero Holland
Subject: RE: Bird data and QC

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Stevan Earl <stevan.earl@asu.edu>   Mon, Jul 8, 2019 at 3:35 PM
To: Kristan Godbeer <Kristan.Godbeer@asu.edu>
Cc: Sally Wittlinger <salwitt@asu.edu>, Shero Holland <Shero.Holland@asu.edu>

Yep, though, I think they are always SRBP, right, I just need to be able to partition the subset when they are considered CORE, yeah? A list of the sites, when we actually started considering them CORE, and any changes, which, I guess, would only be this 67th Ave site would very helpful. S
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Sally Wittlinger <salwitt@asu.edu>   Mon, Jul 8, 2019 at 3:37 PM
To: Stevan Earl <stevan.earl@asu.edu>, Kristan Godbeer <Kristan.Godbeer@asu.edu>
Cc: Shero Holland <Shero.Holland@asu.edu>

Okay, I will get that for you Stevan. Thanks.

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Stevan Earl <stevan.earl@asu.edu>   Mon, Jul 8, 2019 at 3:38 PM
To: 465951_376387@tasks.teamwork.com

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Sally Wittlinger <salwitt@asu.edu>　　　　Mon, Jul 8, 2019 at 3:45 PM
To: Kristan Godbeer <Kristan.Godbeer@asu.edu>, Stevan Earl <stevan.earl@asu.edu>
Cc: Shero Holland <Shero.Holland@asu.edu>

> Yes, that's right. Prior to April 2016, it would be AVE67_mid_B1; starting April 2016, it would be AVE67_down_B1. Same point, different name.

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Stevan Earl <stevan.earl@asu.edu>　　　　Mon, Jul 8, 2019 at 3:50 PM
To: Sally Wittlinger <salwitt@asu.edu>
Cc: Kristan Godbeer <Kristan.Godbeer@asu.edu>, Shero Holland <Shero.Holland@asu.edu>

but you are Shero are going to fix that???
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Sally Wittlinger <salwitt@asu.edu>　　　　Mon, Jul 8, 2019 at 3:53 PM
To: Stevan Earl <stevan.earl@asu.edu>
Cc: Kristan Godbeer <Kristan.Godbeer@asu.edu>, Shero Holland <Shero.Holland@asu.edu>

> We will correct the data currently entered in the database, making sure that data collected at the CORE point is attributed to Down_B1 after April 2016.

> But going forward, don't you need to know that prior to April 2016, the Ave67 Core point was mid_b1 and starting in April 2016, the Ave 67 Core point is down_B1?

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Stevan Earl <stevan.earl@asu.edu>　　　　Mon, Jul 8, 2019 at 4:02 PM
To: Sally Wittlinger <salwitt@asu.edu>
Cc: Kristan Godbeer <Kristan.Godbeer@asu.edu>, Shero Holland <Shero.Holland@asu.edu>

yep, exactly, just clarifying that you and Shero (i.e., not me) are going to use the web app to change the site names for all of the affected surveys in the database

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17K

Sally Wittlinger <salwitt@asu.edu>   Mon, Jul 8, 2019 at 4:04 PM
To: Stevan Earl <stevan.earl@asu.edu>
Cc: Kristan Godbeer <Kristan.Godbeer@asu.edu>, Shero Holland <Shero.Holland@asu.edu>

Confirmed. Shero, Kristan, and I will take care of it and then check and double-check that it is done correctly.

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Shero Holland <Shero.Holland@asu.edu>   Wed, Jul 10, 2019 at 3:34 PM
To: Sally Wittlinger <salwitt@asu.edu>, Stevan Earl <stevan.earl@asu.edu>
Cc: Kristan Godbeer <Kristan.Godbeer@asu.edu>

Just plowing through all the commentary from yesterday.

Noted on the ID number that it is a unique identifier and that a perfect sequence is not important. Gaps will exist in the sequence for various reasons, and that entries do not (and maybe cannot) be renumbered for a perfect sequence. I think I created a new entry with Kristan for instructional purposes, then instead of canceling my work, a created an entry then deleted it, hence the ID not corresponding to an actual sheet. Beginner's mistake, but it won't really be a problem again for me as I'm done with entry and will be focusing on QC.

While we have the 67th Ave transect move in mind, it's important to brainstorm whether this type of change happened to SRBP in the past. Besides 67th Ave, the only other change I can think of was moving Priest dwn-n herp plot to a new dwn-s due to constant human presence/vandalism at the dwn-n plot. The dwn-n plot did not contain a bird point, so Priest SRBP bird points nor the CORE point needed renaming.

However, just last year I think, we proposed moving the Price dwn transect due to constant human presence/vandalism. We would have likely moved it E and possibly caused a renaming of the three transects and the CORE point, just like our 67th Ave

scenario. We are hanging tough with the dwn transect as is so far, and no change in location was made. But, I mention it as every so often issues come up at the reaches where we ponder moving plots and transects, and we could run into the very same 67th Ave database conundrum at that time.

Are there any other SRBP naming changes that anyone can think of since its inception that have gone unnoticed until now and need rectifying? I doubt it but was just asking.

Shero

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Sally Wittlinger <salwitt@asu.edu>   Wed, Jul 10, 2019 at 3:47 PM
To: Shero Holland <Shero.Holland@asu.edu>, Stevan Earl <stevan.earl@asu.edu>
Cc: Kristan Godbeer <Kristan.Godbeer@asu.edu>

Thanks for commenting on this Shero. All of the herp plot changes have been noted and sent to Stevan. So there is a note in the database if the actual physical location of the plot moves. For the AVE 67 Core birding point, this was not the case, as the actual point never changed, just what it was called. Because the person entering the data just looked for AVE 67 CORE in the database (not realizing it was no longer mid-b1), the survey was attributed to the wrong location. You and Kristan and I will get that corrected after pitfalls are done this month.

In addition to the database, all changes are noted in Dropbox (ASU)\research\SRBP\ SpatialData\BirdsHerpsTranscects_latlongWchanges_May2018 AND in Dropbox (ASU)\research\SRBP\SpatialData\SRBP_LatLong_wChanges.

Sally

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Sally Wittlinger <salwitt@asu.edu>   Tue, Jul 30, 2019 at 3:16 PM
To: Stevan Earl <stevan.earl@asu.edu>, Kristan Godbeer <Kristan.Godbeer@asu.edu>
Cc: Shero Holland <Shero.Holland@asu.edu>

Hi Stevan,

Kristan and Shero and I corrected the 67th Ave core surveys in the database this morning, changing the ones since April 2016 from mid_b1 to down_b1. Attached is a list of which of the SRBP points act as the Core points for that location. All of these points started in January 2013, with the exception of 67th Avenue, which moved from mid_b1 to dwn_b1 in April 2016. Please let me know if you have any questions.

Are you going to remove the Core designation from all seven points in the database? It must be removed from Ave67 to avoid confusion, so it makes sense that it just be removed from all of them and we will just call them by their SRBP name from now on. KRISTAN—if Stevan removes Core from all the names then we should do the same for all of Parker and Nell's Core data sheets as we did for 67th Ave this morning, i.e., change the name from Core to whatever the corresponding SRBP point is (see attached list).

Does this make sense everyone?

Thanks.

Sally

From: Sally Wittlinger
Sent: Monday, July 08, 2019 3:37 PM
To: Stevan Earl <stevan.earl@asu.edu>; Kristan Godbeer <Kristan.Godbeer@asu.edu>
Cc: Shero Holland <Shero.Holland@asu.edu>

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📄 **CoreBirdPoints_SRBPname.xlsx**
11K

Kristan Godbeer <Kristan.Godbeer@asu.edu>   Wed, Jul 31, 2019 at 10:54 AM
To: Sally Wittlinger <salwitt@asu.edu>, Stevan Earl <stevan.earl@asu.edu>
Cc: Shero Holland <Shero.Holland@asu.edu>

Got it

From: Sally Wittlinger <salwitt@asu.edu>
Sent: Tuesday, July 30, 2019 3:16:50 PM
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Stevan Earl <stevan.earl@asu.edu>   Wed, Jul 31, 2019 at 12:43 PM
To: Sally Wittlinger <salwitt@asu.edu>
Cc: Kristan Godbeer <Kristan.Godbeer@asu.edu>, Shero Holland <Shero.Holland@asu.edu>

Hi Sally - I need to get my head around this again. Am home with the kids this week so cannot work on or look at the database, but will give it attention next week. Should be okay but, worst case, it can sit until you get back from Norway if I have any questions - that starts next week, correct? S
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Sally Wittlinger <salwitt@asu.edu>   Wed, Jul 31, 2019 at 1:12 PM
To: Stevan Earl <stevan.earl@asu.edu>
Cc: Kristan Godbeer <Kristan.Godbeer@asu.edu>, Shero Holland <Shero.Holland@asu.edu>

Hi Stevan,

Correct, I am off from August 3-18 (back in the US on the 16th). We can talk more then as the data entry won't happen before my return. If Brad did get to it before then (very doubtful), then Kristan could guide him through.

Also, I am not sure that Brad will be THE student doing the data entry and thus your protocol work as well. We need to see how many hours he has to spare each week beyond his lab and field duties. I may end up hiring another student who would be dedicated to this work.

Thanks Stevan.

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Sally Wittlinger <salwitt@asu.edu>   Thu, Aug 22, 2019 at 3:15 PM
To: Stevan Earl <stevan.earl@asu.edu>
Cc: Kristan Godbeer <Kristan.Godbeer@asu.edu>, Shero Holland <Shero.Holland@asu.edu>

Hi Stevan,

I am just circling back around on this. I am assuming you will need to refresh your memory as well. Once you do, if you still need clarification, we can discuss this at the CAP Managers' meeting next week. The word CORE must be removed from the Ave67_mid_b1 point in the database, because the Core point is now at the down_b1 point at 67 Ave (though the physical point never moved, just the transects). The question is whether we want to remove the word CORE from the other six reaches where the designation is still fine.

We have to make a decision so that the birders' datasheets match what is in the database, i.e., if we remove the word CORE from these points, then we need to give the birders the full name of the point (Ave67_dwn_b1; Ave35_dwn_b1; BM_mid_B2; Price_up_b1; Priest_dwn_b1; Rio_mid_b2; and Tonto_up_b1) on their maps and list of points. This is no big deal at all, we just have to decide what to do and then proceed. Currently they just use the Site_CORE designation for each of these points.

Brad has just started entering Winter datasheets for 2018-2019. He will get to the Salt River points before too long, so if we decide to remove the word CORE from each of the database entries, then Kristan will need to put the full name of the point on the datasheets where it now lists the reach name and Core, so that Brad will know which point to look for.

Personally, I like having the word CORE in the database as I think it simplifies things. I would prefer to just move it from 67Ave_mid_b1 to 67Ave_dwn_b1, but I think you said that would confuse the database queries for Core points at the Salt River sites; however, the SRBP surveys never use the CORE moniker and the coinciding point is still counted as a Core point, isn't it?

Thanks Stevan. Happy to talk about this next week.

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