

From: [Turner, Ed](#)
To: [Hardy, Nicholas](#)
Cc: [Grizzle, Betty](#)
Subject: Re: Call tomorrow and some background info
Date: Friday, February 10, 2017 3:48:43 PM

Sounds great Nick.

Thanks and have a good weekend,

Ed

On Fri, Feb 10, 2017 at 2:41 PM, Hardy, Nicholas <nhardy@blm.gov> wrote:

No problem, Kathleen and I will look for things next week. I had the same problems with those geodatabases, error error error.

That py file I called out has a bunch of comments in there detailing steps setting data up, then it is the code I used for the analysis, so take a look at that if you can.

On Fri, Feb 10, 2017 at 3:24 PM, Turner, Ed <ed_turner@fws.gov> wrote:

Hi Nick, Yes I have access to the Model folder, but I could never get the data to work. Could be because of size and the transfer just didn't get it all.

I have compiled the data that I did use out of your working folder and I can send those GDBs.

I have some maps that show both of our out puts and show the slight difference. small pdfs

I think it's because I was using the raw polygons created from the raw grids, prior to the resampling up to 1000x1000 cells. You picked up small areas that I did not, because your cells would touch adjacent cells and mine did not.

I have all this in a text file where I listed steps of what it looks like you did and then listed steps of what I did. Plus, I list out the names of the data in the GDBs.

If you wish to see this let me know and I'll get it ready and send over.

Thanks for all your help looking into this.

Ed

On Fri, Feb 10, 2017 at 12:35 PM, Hardy, Nicholas <nhardy@blm.gov> wrote:

I've been chatting with Kathleen.

If you have access, Kathleen shared the model_snow_fd.py out, in the folder 'model' on google drive.

My memory is hazy, but I think she shared the working folder, and the final folder is elsewhere.

We're going to take a look when we can (screen share or next week).

On Thu, Feb 9, 2017 at 11:29 AM, Grizzle, Betty <betty_grizzle@fws.gov> wrote:

Hi Nick - Ed Turner and I are available for a call tomorrow at 1:00 pm your time (noon PST); we will call you. Let me know if anything changes on your end.

I am attaching a pdf file of the steps you outlined for the map we have been trying to recreate to help refresh your memory. Some notes from Ed are also provided below:

I looked at Nick's GRID/Raster work and worked with it a bit, but actually took his polygon data and have been trying to rerun the model with those.

I'm using the base data:

1. Snow 2000-2006 as a polygon from his raster (Copeland's original snow limited to Grid values >1)
2. The WCS (Inman) PH polygon data
3. The WCS (Inman) Female Dispersal (FD) polygon data.

I ran into problems because attempted to jump ahead and limit FD areas by > 100km² (10,000 hectares) in the beginning, but that means I lose some of the habitat that Nick would have picked up.

I will go back and Union my Snow/PH data (all dissolved and coded as "1") with the FD polys (unique ID's for contiguous areas).

Next I will look at the size limits to see if I get the same habitat output as Nick's Raster "Out_1K" (shape may vary just slightly as Nick has a cell size of 1000x1000 in his output, but the polygon data was using raw raster's with smaller cell size).

Next, I will buffer my output by 20km.

I will not get the exact same shape, but I will get a representation close to what he did. Nick ran some smoothing at 20 and then 50.

I took Nick's Out_1K raster that was expanded to 20 units (like a polygon buffer at 20Km); converted that to a polygon and smoothed as a 20 and 50, but never achieved the same shape as his DPS output.

I will finish the polygon run today and we can discuss.

Hope this helps, Ed

Thanks Nick for your time, and we will talk to you tomorrow,
Betty

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