

From: [Turner, Ed](#)
To: [Betty Grizzle](#)
Subject: Nick's work
Date: Thursday, February 9, 2017 11:21:23 AM

Hi Betty, I looked at Nick's GRID/Raster work and messed around 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 very 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 and discuss.

Hope this helps, Ed

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