

From: [Turner, Ed](#)
To: [Guinotte, John](#)
Cc: [Betty Grizzle](#)
Subject: Re:
Date: Tuesday, August 1, 2017 2:19:06 PM

Hi John, Sorry didn't get back to you sooner.

Right now I think we are in hold mode on the DEM's.

I completed the 100m contours for the entire US and selected only the states we need because it's slow to work with.

The concept was to take the roads from the combined tiger data and select those 2300m and above to determine miles/kms by class using the contours.

The 100m contours are generalized and show the trend of elevation when compared to 24 USGS quads, but not really what Betty was thinking. Plus we'd have to capture the areas and blob them into polys representing 2300m and above.

I'll let you know if she wants us to look at the DEM. My thought there was to select DEM elevation cells of 2300m and above, class those as a new Grid data with a gridcode 1, the rest would have no code. Then convert that to an Integer grid and then to poly so we could combine with the vector line roads.

The other option would be to take each road class; Interstate, US Hwy, State Hwy, Secondary and determine general road widths. Take those widths, buffer the road classes, then grid those. Then use raster processes to do a grid type stack to retain only each class value that falls 2300m and above. Then process those out. Could take the out processed roads to polys and apply that to the road center lines to get lengths again.

I'm sure there are other ways, but just thought this up as typing. Could also use your DEM selection to 2300m and above to manually eliminate sections of road not needed to make the process easier.

We'll see, Betty's looking into the road impact stuff a bit more to determine if we try some of this.

I do have the contours for the states we need with state names field if you'd like a copy.

I'd mail a CD out.

Let me know where to send it if you'd like a copy.

Data came from the national mapper and I combined the 2015 US Census Bureau generalized State boundary data. Same stuff I used for the current range by state values.

Hope all's well out in Wyoming.
Ed

On Tue, Aug 1, 2017 at 12:29 PM, Guinotte, John <john_guinotte@fws.gov> wrote:
Hi Ed, Do you want me to send you the west wide DEM?

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