

From: [Shoemaker, Rebecca](#)
To: [Hanauska-Brown, Lauri](#)
Subject: RE: GIS layers
Date: Thursday, November 14, 2013 5:40:10 PM

hey LHB (that's your nickname btw),
the delisting line for the GYA, if that were proposed, would be the same DPS boundary as was proposed in 2007. So, it would butt up against what you're referring to as the delisting line for the ncde. It's bounded by I15 to I90 over to I25 and south into Wyoming. You can view a map of it here: http://www.fws.gov/mountain-prairie/species/mammals/grizzly/GYA_DPS_color_map.jpg
It's all following major highways so it should be easy to create your own layer for this. If not, i can send you the layer for it when i'm back in the office next week. you aren't trying to meet any deadlines are you?? it would be preferable to refer to it as the "possible delisting line" or something less pre-decisional but it's up to you.
thanks, rebecca

From: Hanauska-Brown, Lauri [LHanauska-Brown@mt.gov]
Sent: Thursday, November 14, 2013 1:28 PM
To: Shoemaker, Rebecca
Subject: FW: GIS layers

Here are the maps I left the message on....

In map 3 there is a pink line heading out to the east that Adam has labeled as a delisting line. What is the appropriate line for a 'delisting' line for the GYA? Is it shown on page 19 of the GYA CS? Sorry, my memory is foggy on this one.

From: Messer, Adam
Sent: Wednesday, November 13, 2013 5:23 PM
To: Hanauska-Brown, Lauri
Subject: RE: GIS layers

Give me a call. I should be in all day Thurs. We can verify content, titles and then I'll polish them up.
adammm

From: Hanauska-Brown, Lauri
Sent: Friday, November 08, 2013 12:14 PM
To: Messer, Adam
Subject: FW: GIS layers

Ignore the mention of the tobacco roots and highlands line. Maybe when you've got all the lines somehow together it would be best for me to come over and take a look. In the rest of today or sometime next week.

From: Servheen, Chris [<mailto:grizz@umontana.edu>]
Sent: Friday, October 25, 2013 10:48 AM
To: Hanauska-Brown, Lauri
Subject: FW: GIS layers

Lauri,
Here are the GIS layers for the demographic monitoring area. The genetic linkage area should include the Tobacco Roots and the Highlands similar to the attached lines on this map, but these are

not GIS lines, just lines drawn on a jpg.

c

From: Haroldson, Mark [<mailto:mharoldson@usgs.gov>]

Sent: Friday, October 25, 2013 10:45 AM

To: Servheen, Chris

Subject: Re: GIS layers

Attached is a shape file for the proposed GYE demographic monitoring area. I assume you have the shapefiles for the GYE RZ and YNP. If you don't have YNP let me know and I'll send up a copy.

The background map is an ArcGIS Layer available on the web as US_Topo_Maps.lyr.

Mark

On Fri, Oct 25, 2013 at 9:59 AM, Servheen, Chris <grizz@umontana.edu> wrote:

Mark,

Can you send this map as gis layers so we and FWP can add some features like highways and towns? Also, the words "suitable habitat" have to be removed and replaced with demographic monitoring area.

Thanks,

Chris

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