**From:** Turner, Ed
**To:** Juliusson, Lara
**Subject:** Re: GRSG Infrastructure numbers
**Date:** Friday, March 06, 2015 2:48:31 PM

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Hi Lara, Downloaded it last night. I pretty much shut the server down trying to do it during the day. I have yet to check it out as I got right on the other data and updating my readmes today.

I will start messing with it this coming week, but plan to extract it tonight when I leave.

Thanks again for finding that.

Ed

On Fri, Mar 6, 2015 at 2:17 PM, Juliusson, Lara <lara_juliusson@fws.gov> wrote:

> Hi Ed,
>
> That sounds great. So did the TIGER national data pan out?
>
> Lara
>
> Lara Juliusson, Geographer/Ecologist
> Sage-grouse Energy Team
> U.S. Fish and Wildlife Service,
> Region 6, Lakewood, CO
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> 303-236-9876
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> ----------
> ***Join me on LinkedIn***
> http://www.linkedin.com/pub/lara-juliusson/5/918/7a4
>
>
> On Fri, Mar 6, 2015 at 2:58 PM, Turner, Ed <ed_turner@fws.gov> wrote:
>
>> Hi Lara, Thanks for the feedback. I should have waited, I just finished splitting up the streets by selection as I couldn't combine them with any data or clip by any data. I can always go back and select by location based on management zone if that is better.
>>
>> More I think about it I like the idea of management zone, it's repeatable and I'll just process by current range in that zone. get 7 data sets and 7 tables. That sounds a lot better.
>>
>> I'll do it that way.
>>
>> Thanks again, Ed
>>
>> On Fri, Mar 6, 2015 at 1:51 PM, Juliusson, Lara <lara_juliusson@fws.gov> wrote:
>>
>>> Hi Ed,

I think the 2012 FCC data will be fine, especially since we really don't have another option. Let's run this by the GIS Team at the next meeting for concurrence.

I agree about splitting out the surface streets. Maybe do it by state, or management zone? If I remember, I think we did it by MZ when I was at the BLM.

Cheers,
Lara

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On Fri, Mar 6, 2015 at 2:16 PM, Turner, Ed <ed_turner@fws.gov> wrote:

> Hello Lara, Here is a message from Heather asking if we can just go forward with the 2012 FCC.
>
> Do you think we can use the 2012 source FCC data that you obtained from their program efforts. They are no longer constructing data and we have to attempt to build our own from the text files. One issue is we do not have the datum yet and many of the data files do not contain location DMS values. Also, it is a bit unclear what would actually build. They would be points, but what would the true representation of those points be? There are questions that I need to get more info on with the POC gets back to DC later this month, plus I need to look more at the files that somewhat explain the data on the FCC site. It sounds like we need to contact the Media Bureau for any AM/FM and TV type stuff too.
>
> On the buffered surface streets, I have had no success processing these data. I tried manual clips, identity, intersects, and dissolves and nothing worked. I also ran the model in edit mode and it ran for over 1 hr then crashed. The data seems to have Topoengine errors. I ran geometry check from arctool box “data management tools”, “features” and was returned with “self intersections” problems. To fix those I ran repair geometry and was informed the data was fixed. I attempted another manual intersect run and it went for about 1.5hr and crashed. This time it again gave me the Topoengine errors even though I had fixed them. I’m running everything on a 16G machine and 10.2.2 and ERSI had recommended running on hardware of 12G or

higher when you get the message “Topoengine errors”.

I think at this time my best bet is to try to split the data by manual selections and put those many split sets out to shapefiles. Once there I can try a dissolve or just try to convert those to ArcInfo coverages and run cleans. Then append them all back together maybe after dissolving so the data will be less or clipping the data in ArcInfo to the working current range.

Just wanted to let you know as I don’t really know what else to do then try to force it to work. Figure dissolving wouldn’t hurt because they are all just buffers of surface streets with no real values. Plus if we do have to grid any of the footprint data for Kevin’s models, I would need them dissolved for simplicity I would think.

If you have any thoughts, it would be appreciated and what do you think about the FCC stuff? I could always run the 2012 FCC just to get something going.

Thanks, Ed

---------- Forwarded message ----------
From: **McPherron, Heather** <heather_mcpherron@fws.gov>
Date: Fri, Mar 6, 2015 at 11:40 AM
Subject: Re: GRSG Infrastructure numbers
To: "Turner, Ed" <ed_turner@fws.gov>

Thanks Ed - these are great! I would think that the comm tower data used for the BER report would be sufficient. Can I make that call or are these decisions to come from the GIS team?

Can you also provide the total acreage of the current range by management zone so I can speak to relative percentages for MZ comparison?

**Heather McPherron**, Fish and Wildlife Biologist
USFWS - Central Washington
509.665.3508 x2011 (office)
509.393.5882 (mobile)

On Thu, Mar 5, 2015 at 11:55 AM, Turner, Ed <ed_turner@fws.gov> wrote:

> Hello Heather, I wanted to get you some of the draft numbers thus far. I will work on the FAA data next and I still need to determine how and if we will be creating the FCC data or using the FCC data that was used in the Open File Report 2013

(FCC source year 2012). The new FCC data is all text file stuff and its a bit tricky and a lot of files. The FCC no longer build their data from text files to working ESRI data sets. So it's up to us to do it if we can.

I'll send you a list of the FCC files that actually have some sort of location information. Maybe from the list we can determine what files I should build, or if I should build them all, and in what order for your needs.

These numbers are only some of the infrastructure data, and I will get you some draft maps too.

I need to work on the surface streets and will update the soon to come Road map later, but today the road map will only contain interstates and Federal/State Highways. The surface streets are a very large data set and I have had no success processing the overlay operations.

Will let you know more soon.

*** Please remember these numbers are draft and subject to change with data, and the processing retune that we will use closer to final dates.

Hope this helps, Ed

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