From: Young, Rich
To: Turner, Ed
Cc: Lara Juliusson
Subject: Re: FCC Data help Maybe?
Date: Wednesday, March 11, 2015 2:30:52 PM

Hi Ed:

Yes, I could probably lend a hand. I'm not sure I completely understand the process you've outlined however. Would you have time tomorrow morning to have a call to discuss? I could be available whenever works best for you.

Rich

On Wed, Mar 11, 2015 at 1:54 PM, Turner, Ed <ed_turner@fws.gov> wrote:

> Hi Rich, I was wondering if you had any time that you could help with the FCC data. I have to finish the roads data and now look at the pipeline data and the end of March deadline seems close. I need to take all the FCC data that's stored in the "db" (496 megs) folder from the sciencebase download and combine and buffer all that. I had planned to buffer each set by 56.4m, then dissolve them all into one blob data set that has a FCC_Comm filed = "Comm_Towers". It is about 17 data sets or so. After that, the data would be ready to run thru Lara's model builder for numbers. There is a problem though, the buffered data is too small to map. Because of this, I rethought buffering all 17 data sets and more so merging all those as one point file, and then doing the buffer. Most likely quicker anyway, but also to have one generic point data covering all sets to use as a mapping data set. I did the same with the FAA towers. I clipped the point data to the current range so I would have a dummy data set for mapping.
>
> Do you think you'd have time to help me get these data ready? If so, that would be a major help. I would use them to get Heather a draft map and do a manual intersect for draft numbers till Lara's model run is ready.
>
> If you can maybe we can talk about it and I would like to retain the interim data in my infrastructure GDB for record if OK.
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> Below is the FCC data info:
>
> Please let me know if you think you have a bit of time to spare.
>
> Thanks, Ed

Infrastructure: Communication Towers from FCC (updates may be available) Communication Tower Points from the FCC Online source at: http://wireless.fcc.gov/geographic/index.htm?job=licensing_database_extracts With these data sets, you will be able to determine the locations and limited technical details of existing towers the FCC collects data on (i.e. Cellular, Paging, Microwave, AM, FM, etc...). This information can be extremely helpful in conducting analysis such as; current service deployment, need/feasibility determinations of new services, co-location of antenna structures, inventorying of structures, network planning, etc... This combination of data and software will allow you to view, query, and thematically create your own maps based on FCC licensing and/or your own compatible data sets. Click on the links below to view actual screenshots: Cellular, Antenna Structure Registration, AM and FM databases on one map. (gif) Identify a particular Cellular site. (gif) All sites, backdropped by US Interstates, States and Virginia City boundaries. (gif) LMDS reauctionable markets, identify details of auctionable market. (gif) Tower Registration - ID tower. (gif) LMDS "A" block reauctionable markets, upfront payment. (gif) Also available is a downloadable zip file version of the FCC Mapping 2012 CDROM (zip) (An FCC created CDROM that contains mapping applications/data and distributed at various telecommunications industry trade shows by FCC staff). The zip file contains all the necessary files and directory structures to replicate the FCC Mapping 2010 CDROM. The data supplied on this CDROM is generally the same data available on this web site. Exclusively provided on the CDROM are FCC created ArcExplorer2® and ArcExplorer9® project files. These project files allow the user to immediately begin using all the mapping data resources available on the CDROM with minimum complexity. Once you download and extract the zip file, read the "readme.txt" file provided for detailed installation instructions. The zip file is 180MB in size. You will need a minimum of 720MB free space to extract all the files. Data Downloadable 2014-08-13T16:22:38Z lara_juliusson@fws.gov

LINK: https://www.sciencebase.gov/catalog/item/53eb90cee4b0461e44772d5c

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