From: Turner, Ed
To: Baxter, Ronald
Cc: Lara Juliusson
Subject: Re: Mining stuff
Date: Monday, March 16, 2015 9:37:39 AM
Attachments: DEPARTMENT OF THE INTERIOR Mail - Re_ GRSG Re_ Mining Information Needed.pdf

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Hello Ron, We are still in limbo as we have not been directed from the group following the mining call meeting we all had about data, the lack of data, and what we planned to do.

Lara investigated possible data sent an email out to the group listing the limitations and fact that it was going to be an extensive operation to create BLM's LR200 data into a working GIS data and we are still unsure if the product would give the answers we need. We have still received no word or feedback from the group as a whole, only the questions you asked (see email pdf).

Amy asked a few weeks back during the GIS Call and I brought the same to her attention and she seem to understand, but we have had no direction. I have just been pushing forward on the other threats.

I can take the data we have used to this point and work with that. Update maps and numbers, but we need to know what data from the combined sets we will use.

If you have heard anything, please let us know and I will focus on that.

Sorry, just kept pushing forward on the other threats we had to work on.

Thanks, Ed

On Mon, Mar 16, 2015 at 8:46 AM, Baxter, Ronald <ronald_baxter@fws.gov> wrote:

> Good morning!
>
> I haven't heard anything for a while on where we are on getting the maps and tabular data for the mining stuff. Can you update me please? Accoring to Amy, we have to hand off the chapters at the end of the month to the species lead, and the one universal comment I have got from the reviewers is to show where the mining is taken place in relation to sage-grouse habitat.
>
> Any news?
>
> R
>
> --

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Re: GRSG Re: Mining Information Needed

Juliusson, Lara <lara_juliusson@fws.gov> Wed, Feb 18, 2015 at 2:08 PM
To: "Baxter, Ronald" <ronald_baxter@fws.gov>, Amy Nicholas <Amy_Nicholas@fws.gov>, Dawn Davis <dawn_davis@fws.gov>, Steve Abele <steve_abele@fws.gov>, Pat Deibert <pat_deibert@fws.gov>, Ed Turner <ed_turner@fws.gov>

Hi Ron,

Thanks for the thoughts and questions. The first question to answer, I believe, is will spatial data down to the section or quarter section, regarding:

- a mining claim case is active and the fee has been paid, or
- a lease for coal, other minerals, sand, gravel has been issued

both of which carry no indication of activity, or not, on the land, be useful?

The time it would take to do this depends on how much the BLM will do for us. I should know more about this soon. If we have to do it ourselves, starting with when we get the batched data, I would estimate it could take a GIS person a week to a month.

Lara

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On Wed, Feb 18, 2015 at 2:50 PM, Baxter, Ronald <ronald_baxter@fws.gov> wrote:

> Thanks for all the good info...
>
> So I guess a couple of questions, I think. If it is indeed possible to subdivide the LR2000 along the lines you mention, how long would this custom breakdown take to create? And assuming it is possible, how long would it take to match it up with our spatial layer/data, especially if it has to be done state by state and them combined? I guess the second question is dependent upon the first, yes? Consequently, is there time to do what you suggest in the time we have left?
>
> Just some thoughts,
> R

On Wed, Feb 18, 2015 at 8:35 AM, Juliusson, Lara <lara_juliusson@fws.gov> wrote:

Lief and all,

I followed up on the available information from LR2000. First, the LR2000 public facing page linked to will not allow us to extract by ourselves the type of information we need to create a GIS file for the large areas we wish to cover. The reports they create are not meant for this. However, every month, we can get what is a batch data dump from LR2000 of case recordation and mining claim data. See definitions below.

These data dumps come by state and the databases are very large. We may be able to get a custom extract that limits these to "Active" for mining claims and "Authorized" or "Pending" for case recordation. However, and unfortunately, these terms do not indicate what is really going on on the land. Active just means that a mining claim case is active and the fee is paid. Authorized just means that a lease, ROW or other case type has been issues. There is no way from the BLM data to know if any activity is happening on the land.

Finally, BLM no longer creates BLM-wide GIS versions of these data. That is they don't join the records in LR2000 to township/range/section/quarter section GIS data. They depreciated this service in 2011. Individual BLM states may still do these joins themselves.

- **Case Recordation** (**CR**) contains information on leases, permits, contracts, grants, agreements, mineral patents, etc. issued by the BLM on federal actions affecting public lands of the United States. Authorizations are issued for the following activities: oil and gas, geothermal, oil shale, coal and other minerals, sand, gravel, rights-of-ways (communication sites, power facilities, roads, railroads, telephone lines, pipelines, wind power, solar power, and more), land exchanges and acquisitions, land use withdrawals, mineral patents, land classifications, land claims, land sales, land grants, etc. Information on the use authorization includes customer data, location, date of issuance, the actions that have taken place, and other applicable information.
- **Mining Claim Recordation (MC)** contains information on **unpatented** mining claims located on federal lands including claimant name, approximate location, and other applicable information. Mineral patents are not contained in Mining Claim Recordation.

As Lief indicated, I would recommend that we determine if these data are going to provide us mining layers that are useful, especially since the terms do not indicate activity on the land. Other than the mining footprints Ed mentioned, they are likely all we would be able to get for mining. If we think that having these data are useful, we would likely need to do the GIS joining of the database to the spatial polygons ourselves, but that along with getting the custom extracts to limit the data to just "Active", "Authorized" and possibly "Pending" would be discussion points we could have with the BLM.

Happy to answer any questions,
Lara

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On Fri, Feb 13, 2015 at 10:31 AM, Wiechman, Lief <lief_wiechman@fws.gov> wrote:

All,

Attached are 3 documents, my brief list of spatial needs we identified on the call yesterday. I took a stab at capturing what I think we were discussing, but invite all of you to edit this list as appropriate (please do

so in track changes and distribute to the group). Once we're happy with the list of layers we need to better depict the impact to sage-grouse (and it accurately captures what we're hoping to achieve for a final product), I ask that Ed (and Lara) take a look at what we have and see if any of it satisfies those needs. If not, lets make a grocery list and set up a call with the appropriate folks at BLM.

I've also attached the 2 documents that Ed worked up and shared with the group yesterday. Through the edits, let's try to keep this concise and in plain language.

Lastly, is a link that describe how we might extract some of the desired information from the LR2000 page. This may allow us to attempt a proof of concept before speaking to BLM.
http://www.blm.gov/style/medialib/blm/id/energy/mining/download_documents.Par.91538.File.dat/LR_2000.pdf

Thanks again to everyone on the call yesterday and thanks to Ron and Ed for bringing this the group's attention. I think this path will either bring us to better information to inform the chapter or minimally to have a subsequent conversation about what can be said with the information we currently have.

LW

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