From: Juliusson, Lara
To: Wiechman, Lief
Subject: Re: GRSG: GIS Team, denominator acreages for MZs and portion of MZ I in U.S. vs. Canada
Date: Friday, March 27, 2015 8:48:32 AM

Thanks Lief,

All sounds good and I can proceed without the example tables today.

I am with you on a general rule of portraits and full pages for the maps, and hope we can have the full GIS/SLT agreement. I do note that in the COT report they were landscape/half page, so wonder if there are folks think we will be replicating that. What we don't want to happen is for all the maps to need to be reoriented. It may seem trivial, but to do that would be significant effort that could be avoided.

Lara

Lara Juliusson, Geographer/Ecologist
Sage-grouse Energy Team
U.S. Fish and Wildlife Service,
Region 6, Lakewood, CO
Lara_Juliusson@fws.gov
303-236-9876
http://www.fws.gov/mountain-prairie/

Join me on LinkedIn
http://www.linkedin.com/pub/lara-juliusson/5/918/7a4

On Fri, Mar 27, 2015 at 7:44 AM, Wiechman, Lief <lief_wiechman@fws.gov> wrote:

> Yes to most/all of this...
>
> If we can get the Refuge folks on, we should/will. Great idea. Sounds like we're getting 2 (FT?), and maybe a third straggler. Based on our conversations, I told Nicole I thought 2 (if full-time) bodies would be good.
>
> Hoping to get you a task list (that could change slightly) by the end of today. The team (as you suggested) would then have time to review before next weeks meeting. Also planned on including the example tables today as well if that's alright.
>
> Agenda items look good.
>
> Portrait vs. Landscape... I'd rather have portraits where we can (easy to read in the document), and we can discuss half- or full-page depending on what's being displayed. But the bottom line is... whatever orientation and size (full-, half-page) si needed to show the things we're trying to illustrate. Having the team work on detailed maps only to have them scrunched up so small you can't see the details is something we should avoid. So the answer you get here might be "depends" and subject to change. But we can start off one way and adapt as needed...?

LW

Lief Wiechman
Sage-grouse Ecologist
U.S. Fish & Wildlife Service
Mountain-Prairie Region
Cell: 307.214.8426
Office: 307.772.2374 x236
lief_wiechman@fws.gov

On Fri, Mar 27, 2015 at 7:28 AM, Juliusson, Lara <lara_juliusson@fws.gov> wrote:

Hi Lief,

Sounds good regarding the range file. If anyone does need it before Jim gets back, I can get you the link to the states GIS file. It is easily accessible on ScienceBase.

The agenda looks great, and yes, we can ask definitely ask for people to provide their days off. Do you know if we can ask the folks from Refuges to join us at this meeting? It might be helpful to have them join so that they can get up to speed and hear all the same information. Kind of a kick off meeting. Also, any chance we can get the task list prior to meeting, so that we will be prepared to ask any questions we might have?

On another note, are you ready to provide example tables to me yet? I am currently revising the model tools for some other stuff, and would like to tweak the table output now if needed.

Finally, a couple of things I suggest adding to the agenda, unless these topics are built into what you are already planning:

- Source appendixes - documenting detailed source data and compiling full appendixes
- Map layout - the GIS team has map templates for portrait and landscape maps. I'd like to get the SLT to

  1.) sign-off on the general map template, and
  2.) let us know if you'd like portrait or landscape maps for the required map list. I think the general thought was for portrait maps, we'd get the whole page, and for landscape maps we'd get the whole page, but could fit two landscape maps on it. We'd use this option when showing maps that compared something or showed change.

I may think of other things, and I am sure the other team members will also.

Thanks and Happy Friday!
Lara

Lara Juliusson, Geographer/Ecologist
Sage-grouse Energy Team
U.S. Fish and Wildlife Service,

Region 6, Lakewood, CO
Lara_Juliusson@fws.gov
303-236-9876
http://www.fws.gov/mountain-prairie/

Join me on LinkedIn
http://www.linkedin.com/pub/lara-juliusson/5/918/7a4

On Fri, Mar 27, 2015 at 6:35 AM, Wiechman, Lief <lief_wiechman@fws.gov> wrote:

Thanks for the note - I'm inclined to wait for your earlier suggestion. After I understood what the issue was and what you were proposing, it's ok to wait until Wednesday. Just wish I had known without that 'fix' (not the right term), that this layer is seemingly for display purposes and we need the US/Can attribute for any calculation stuff.

We never stated a date as to when it'd be ready, but I eluded to a week ago (when we started 3 weeks ago), so whats another 5 days.

On another note... would it be 'intrusive' to ask the GIS Team to provide a calendar of days they won't be in the office over the next month? We're in this crunch time, and it might be good to know if people will be gone (Like Jim's 3 days, for example). If not, can we add it to next week's agenda? I'll also try to come up with some other agenda items (below).

- Task/"to-do" list
** - Roles and responsibilities**
** - Tier 1 and 2**
** - Modeling**
** - Mining LR2000**
** - ADPP "changes in decisions"**
- US/Canada
** - What we're doing with Canada**
- Product review process
- Days off
- Week of April 20th

LW

Lief Wiechman
Sage-grouse Ecologist
U.S. Fish & Wildlife Service
Mountain-Prairie Region
Cell: 307.214.8426
Office: 307.772.2374 x236
lief_wiechman@fws.gov

On Thu, Mar 26, 2015 at 5:47 PM, Juliusson, Lara <lara_juliusson@fws.gov> wrote:

Hi Lief,

If you are wanting to get the new range data out to the BLM and others need to get it

as well, here is a way we could do that before next week. We can provide out state data set along with it. That way they can use it if they need to subset out Canada.

Let me know what you think and I will get you the link to that data too.

Lara

On Thursday, March 26, 2015, Wiechman, Lief <lief_wiechman@fws.gov> wrote:

Let's discuss when you return. I believe we'll only want to use the US side for all calculations - given that we don't have any information on threats, etc from Canada. So we'll simply be including the Canada side for display purposes.
Enjoy your long weekend.

LW

Lief Wiechman
Sage-grouse Ecologist
U.S. Fish & Wildlife Service
Mountain-Prairie Region
Cell: 307.214.8426
Office: 307.772.2374 x236
lief_wiechman@fws.gov

On Thu, Mar 26, 2015 at 3:28 PM, Lindstrom, James <james_lindstrom@fws.gov> wrote:

I believe it's been settled that for GIS analysis in MZ 1 we will only be working within the US. Now that the Current Range data is updated I can create a new WORKING Current Range layer that addresses our needs for GIS work. That being said, I'll have to do that when I return next week (4/1). Sorry.

Jim

Jim Lindstrom
james_lindstrom@fws.gov
Cartographer
U.S. Fish & Wildlife Service
Wyoming Ecological Services Field Office
(307) 772-2374 (Ext 240)

On Thu, Mar 26, 2015 at 6:11 AM, Wiechman, Lief <lief_wiechman@fws.gov> wrote:

All,

I'm fine with this approach. I was on the phone with folks from Canada yesterday and have requested their critical habitat layers (which will be more refined than the Schroeder map, but completely encompassed within. It is the product of a modeling effort not entirely different from Kevin's modeled

distribution. All that being said, we won't have the necessary base layers to replicate the distribution or abundance models in Canada, nor do we have the same, consistence information about threats.

So, Lara's suggested approach of MZ - 1 US and MZ -1 Canada works. We may not have as much information to calculate the same figures on both sides of the border. I'm attempting to get lek count information as we speak.

LW

Lief Wiechman
Sage-grouse Ecologist
U.S. Fish & Wildlife Service
Mountain-Prairie Region
Cell: 307.214.8426
Office: 307.772.2374 x236
lief_wiechman@fws.gov

On Tue, Mar 24, 2015 at 1:36 PM, Juliusson, Lara <lara_juliusson@fws.gov> wrote:

> Thanks Jim,
>
> If the MZ I polygon were divided into a U.S. and Canada polygons and named something like "MZ I - U.S." and "MZ I - Canada", we could split them when necessary, for example I will need to do so for the O&G model, and lump them when needed.
>
> Lara
>
> Lara Juliusson, Geographer/Ecologist
> Sage-grouse Energy Team
> U.S. Fish and Wildlife Service,
> Region 6, Lakewood, CO
> Lara_Juliusson@fws.gov
> 303-236-9876
> http://www.fws.gov/mountain-prairie/
> ---
> ***Join me on LinkedIn***
> http://www.linkedin.com/pub/lara-juliusson/5/918/7a4
>
> On Tue, Mar 24, 2015 at 1:25 PM, Lindstrom, James <james_lindstrom@fws.gov> wrote:
>
>> Good question Lara, I've been thinking about that as well. I guess the question is, should we ignore Canada for analysis where we don't have any data for Canada? Which would mean acreages and percent of (layer x) for MZ1 would only be for the US portion.

I can't make that call but I do think we need that answered before moving on. Definitely need input from the Bio's.

Jim

Jim Lindstrom
james_lindstrom@fws.gov
Cartographer
U.S. Fish & Wildlife Service
Wyoming Ecological Services Field Office
(307) 772-2374 (Ext 240)

On Tue, Mar 24, 2015 at 1:13 PM, Juliusson, Lara <lara_juliusson@fws.gov> wrote:

> Hi all:
>
> Ed, I remember a while back you sent out a table you were using with standard acreage totals for current range within each MZ. This was useful as the denominator when creating area percents.
>
> A couple of questions on that. First, did you create that based on totals by MZ from the "Acres" field in the "GRSG_2015_StatusReview_WORKING_CurrentRangeMZ.shp" file?
>
> If so, did you subtract the acres in MZ I that are not in the U.S., since our threat data is going to be for the U.S. only (maybe with rare exceptions)?
>
> Finally, Jim, I know you are working on updates to the range/MZ file now based on Kevin's distribution data, and I am wondering if it would make sense to have MZ I broken into a U.S. portion and a Canada portion, for the benefit of teasing out U.S. calculations.
>
> Food for thought for tomorrow's meeting.
>
> Thanks,
> Lara
>
> Lara Juliusson, Geographer/Ecologist
> Sage-grouse Energy Team
> U.S. Fish and Wildlife Service,
> Region 6, Lakewood, CO
> Lara_Juliusson@fws.gov
> 303-236-9876
> http://www.fws.gov/mountain-prairie/
> ---
> ***Join me on LinkedIn***
> http://www.linkedin.com/pub/lara-juliusson/5/918/7a4

--
Lara Juliusson, Geographer/Ecologist
Sage-grouse Energy Team
U.S. Fish and Wildlife Service,
Region 6, Lakewood, CO
Lara_Juliusson@fws.gov
303-236-9876
http://www.fws.gov/mountain-prairie/

Join me on LinkedIn
http://www.linkedin.com/pub/lara-juliusson/5/918/7a4