

**From:** [Berglund, Jeff](#)  
**To:** [Jodi Bush](#)  
**Subject:** Fwd: GRSG: Lek data for analysis Nicole just requested  
**Date:** Wednesday, November 19, 2014 11:06:48 AM  
**Attachments:** [SageGrouseLeks \(1\).zip](#)

---

fyi

----- Forwarded message -----

**From:** **Juliusson, Lara** <[lara\\_juliusson@fws.gov](mailto:lara_juliusson@fws.gov)>  
**Date:** Wed, Nov 19, 2014 at 11:00 AM  
**Subject:** Fwd: GRSG: Lek data for analysis Nicole just requested  
**To:** James Lindstrom <[james\\_lindstrom@fws.gov](mailto:james_lindstrom@fws.gov)>, Jeff Berglund <[jeff\\_berglund@fws.gov](mailto:jeff_berglund@fws.gov)>

Jeff, Nicole asked me to pass this project along to another GIS team member if I was not able to work on it and complete it in a timely manner. Unfortunately, I am swamped with other tasks at this moment and am seeing if Jim can help you.

Jim, Here are the details for the ask, and the lek data that I received yesterday late afternoon are attached. I do not know anything more than this, so you will need to work directly with Jeff B.

Lara

Lara Juliusson, Geographer/Ecologist  
Sage-grouse Energy Team  
U.S. Fish and Wildlife Service,  
Region 6, Lakewood, CO  
[Lara\\_Juliusson@fws.gov](mailto: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>

----- Forwarded message -----

**From:** **Berglund, Jeff** <[jeff\\_berglund@fws.gov](mailto:jeff_berglund@fws.gov)>  
**Date:** Wed, Nov 19, 2014 at 6:41 AM  
**Subject:** Re: GRSG: Lek data for analysis Nicole just requested  
**To:** "Juliusson, Lara" <[lara\\_juliusson@fws.gov](mailto:lara_juliusson@fws.gov)>  
**Cc:** Jodi Bush <[jodi\\_bush@fws.gov](mailto:jodi_bush@fws.gov)>

Hi Lara. So we want to perform this analysis in PHMA (core habitat), not general. Right - for now let's just use active leks. Also - what we're trying to do is show the difference between 0.6 mile NSO and PHMA-wide NSO on BLM-administered lands (surface and subsurface, if possible) so could you factor that in as well? And yes, a map would be great! Thanks so much and just let us know if there are additional questions,

Jeff

On Tue, Nov 18, 2014 at 5:10 PM, Juliusson, Lara <[lara\\_juliusson@fws.gov](mailto:lara_juliusson@fws.gov)> wrote:  
OK, so now that I have the lek data, I want to confirm what it is you are looking for. Here's what I have:

Goal: Compare the area covered by leks buffered with a 0.6 mile radius with the area of GHMA in MT. These areas are both being considered for NSO protection.

Questions:

Is the above correct?

Leks have several statuses, including: Confirmed Active, Confirmed Inactive, Confirmed Extirpated, and Unconfirmed. I would assume you would want the analysis to only focus on Confirmed Active leks, correct?

Do you need a map visual? At the scale of MT, it might be hard to see the lek buffers, but I could widen the outline a bit to give an idea of area covered.

What else do you need?

Thanks,  
Lara

Lara Juliusson, Geographer/Ecologist  
Sage-grouse Energy Team  
U.S. Fish and Wildlife Service,  
Region 6, Lakewood, CO  
[Lara\\_Juliusson@fws.gov](mailto: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, Nov 18, 2014 at 12:37 PM, Berglund, Jeff <[jeff\\_berglund@fws.gov](mailto:jeff_berglund@fws.gov)> wrote:

Hi Lara - we don't have those GIS data here. Adam - would it be possible for you to send Lara lek location data for MT (or for her to retrieve it from an FTP site, etc.)? It's for sage-grouse management analysis purposes. Thanks!

Jeff

On Tue, Nov 18, 2014 at 12:27 PM, Juliusson, Lara <[lara\\_juliusson@fws.gov](mailto:lara_juliusson@fws.gov)> wrote:

Hi Jody and Jeff,

I may have more questions for you as this analysis progresses, but in order to decide how to proceed initially, how quickly can you provide me either with lek points for MT, or with leks buffered already by the 6/10s of a mile?

Lara

Lara Juliusson, Geographer/Ecologist  
Sage-grouse Energy Team  
U.S. Fish and Wildlife Service,  
Region 6, Lakewood, CO  
[Lara\\_Juliusson@fws.gov](mailto: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>

--

Jeff Berglund  
Fish and Wildlife Biologist  
U.S. Fish and Wildlife Service  
Montana Field Office  
585 Shepard Way, Suite 1  
Helena, MT 59601  
(406) 449-5225, ext. 206

--

Jeff Berglund  
Fish and Wildlife Biologist  
U.S. Fish and Wildlife Service  
Montana Field Office  
585 Shepard Way, Suite 1  
Helena, MT 59601  
(406) 449-5225, ext. 206

--

Jeff Berglund  
Fish and Wildlife Biologist  
U.S. Fish and Wildlife Service  
Montana Field Office  
585 Shepard Way, Suite 1  
Helena, MT 59601  
(406) 449-5225, ext. 206