

From: [Deibert, Pat](#)
To: [Kate Norman](#)
Subject: Fwd: GrSG GIS Team - Please review and comment ASAP
Date: Wednesday, February 25, 2015 2:58:16 PM

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From: **Wiechman, Lief** <lief_wiechman@fws.gov>
Date: Wed, Feb 25, 2015 at 12:25 PM
Subject: Re: GrSG GIS Team - Please review and comment ASAP
To: Drue DeBerry <drue_deberry@fws.gov>, Lara Juliusson <lara_juliusson@fws.gov>
Cc: "Deibert, Pat" <pat_deibert@fws.gov>

Hello Drue and Lara,

I've spoke with Pat about this and my recommendations are thus...

When it comes to 1. WAFWA MZs, 2. GRSG Population Boundaries, and/or 3. Current Occupied Range of GRSG... we should use the 3 layers developed by Jim for the status review.

- A. Status Review WAFWA MZs (slightly adjusted)
- B. Status Review Populations (slightly adjusted from BLM/WAFWA Population layers)
- C. Status Review Occupied Range Maps (slightly adjusted from Schroeder et al. 2004).

We should be sure not to refer to 'C' above as Schroeder 2014 to avoid confusion. These layers have been made available to our partners. and in terms of questions related to MZ's, Populations, and Range should utilize A-C. If the questions asked are outside of those 3 things, then I'm not sure we need to be concerned. The 3 layers (A-C) will not provide amount of habitat as none of them are reflections of habitat presence or quality, simply occupancy.

I know you all are aware of these things, but I just wanted to be clear in what my recommendation is. Furthermore, we need to make sure when these questions or requests come across that everyone is using the same terminology. Often the term 'habitat' is thrown around and likely only exists at a state-by-state level. But none of the 1-3 or A-C above identify habitat and in fact may include chunks of non-habitat.

LW

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On Tue, Feb 24, 2015 at 2:55 PM, Deibert, Pat <pat_deibert@fws.gov> wrote:

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From: **Lindstrom, James** <james_lindstrom@fws.gov>
Date: Tue, Feb 24, 2015 at 10:40 AM
Subject: Fwd: GrSG GIS Team - Please review and comment ASAP
To: Pat Deibert <pat_deibert@fws.gov>

Jim Lindstrom
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From: **Juliussan, Lara** <lara_juliussan@fws.gov>
Date: Tue, Feb 24, 2015 at 10:00 AM
Subject: GrSG GIS Team - Please review and comment ASAP
To: James Lindstrom <james_lindstrom@fws.gov>, Ed Turner <Ed_Turner@fws.gov>
Cc: Drue DeBerry <drue_deberry@fws.gov>, Kate Norman <kate_norman@fws.gov>

Hi Jim and Ed,

I am hoping you could provide a quick turn-around review of this document. Rich is out of the office.

This issue paper is fairly self-explanatory, and was the result of a meeting that I could not attend last week because I was out of town. The initial driver of this question were the acreage calculations that I provided for the external affairs state fact sheets on surface ownership in GrSG range. However, the issue is actually a bit larger than this one example, pertaining to how we determine what data sources we use for GIS analysis .

Please let me know if you can provide your comments and return by COB today.

Lara

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