

From: [Hansen, Craig](#)
To: [Angela Burgess](#)
Subject: Fwd: moving forward on GIS and writing
Date: Friday, February 27, 2015 3:37:04 PM

They neglected to share this with US!

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

From: Freifeld, Holly <holly_freifeld@fws.gov>
Date: Fri, Feb 27, 2015 at 3:29 PM
Subject: Fwd: GRSG moving forward on GIS and writing
To: Craig Hansen <craig_hansen@fws.gov>

fyi...

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Holly Freifeld, Ph.D.  
Fish and Wildlife Biologist - Ecological Services  
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ph: 503.231.2198  
[holly\\_freifeld@fws.gov](mailto:holly_freifeld@fws.gov)

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**From:** DELia, Jesse <[jesse\\_delia@fws.gov](mailto:jesse_delia@fws.gov)>  
**Date:** Fri, Feb 27, 2015 at 1:41 PM  
**Subject:** Fwd: GRSG moving forward on GIS and writing  
**To:** Lara Drizd <[lara\\_drizd@fws.gov](mailto:lara_drizd@fws.gov)>, Holly Freifeld <[holly\\_freifeld@fws.gov](mailto:holly_freifeld@fws.gov)>

fyi

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**From:** Deibert, Pat <[pat\\_deibert@fws.gov](mailto:pat_deibert@fws.gov)>  
**Date:** Fri, Feb 27, 2015 at 12:13 PM  
**Subject:** GRSG moving forward on GIS and writing  
**To:** Heather McPherron <[heather\\_mcpherron@fws.gov](mailto:heather_mcpherron@fws.gov)>, Amy Nicholas <[amy\\_nicholas@fws.gov](mailto:amy_nicholas@fws.gov)>, Ed Turner <[ed\\_turner@fws.gov](mailto:ed_turner@fws.gov)>, James Lindstrom <[james\\_lindstrom@fws.gov](mailto:james_lindstrom@fws.gov)>, Joy Gober <[joy\\_gober@fws.gov](mailto:joy_gober@fws.gov)>, Kevin Doherty <[kevin\\_doherty@fws.gov](mailto:kevin_doherty@fws.gov)>, Lara Juliusson <[lara\\_juliusson@fws.gov](mailto:lara_juliusson@fws.gov)>, Lisa Solberg Schwab <[lisa\\_solberg schwab@fws.gov](mailto:lisa_solberg schwab@fws.gov)>, Rich Young <[rich\\_young@fws.gov](mailto:rich_young@fws.gov)>, Ronald Baxter <[ronald\\_baxter@fws.gov](mailto:ronald_baxter@fws.gov)>, Genevieve Skora <[genevieve\\_skora@fws.gov](mailto:genevieve_skora@fws.gov)>  
**Cc:** Jesse DELia <[jesse\\_delia@fws.gov](mailto:jesse_delia@fws.gov)>, Kate Norman <[kate\\_norman@fws.gov](mailto:kate_norman@fws.gov)>, Lief Wiechman <[lief\\_wiechman@fws.gov](mailto:lief_wiechman@fws.gov)>, Steve Abele <[steve\\_abele@fws.gov](mailto:steve_abele@fws.gov)>, Dawn Davis <[dawn\\_davis@fws.gov](mailto:dawn_davis@fws.gov)>, Nicole Alt <[nicole\\_alt@fws.gov](mailto:nicole_alt@fws.gov)>

Hello all -

As a follow-up to the call on Tuesday of this week, the species lead team (SLT) has proposed that we become the liaison

between the three key teams working on the species report - the GIS team, the writing team and the modeling team. We hope this will facilitate communication and allow for more expedient resolution of any issues that might arise, simply because we are involved in reviewing the products of all three teams. This "change", and our outline for next steps, has been agreed to by leadership.

GIS Team:

- Please continue to work on the footprints for the various chapters where we will be doing GIS overlays (e.g. current oil/gas, current ag conversion, infrastructure, mining).
- Continue to use current range (updated from Schroeder et al. 2004) to clip direct footprint layers **WITH ONE EXCEPTION**. We have found a discrepancy with the range in MZ IV. It may be nothing, but we need to do our due diligence and make sure that adjustments are not needed. We hope to have that resolved by mid-next-week and will advise you of the results. So footprint mapping can continue in this MZ but please note that there might be some adjustments to the occupied range within the MZ.
- As we get the abundance and distribution models completed, we will also ask for your assistance in intersecting with those layers. At that time will be doing additional analyses that will include the indirect effects calculations. The SLT is working on how that will proceed, so this is a heads up only.

Writing team:

- Continue to work on the chapters and with the GIS team to achieve the footprint analyses.
- If you need GIS analyses beyond calculating the footprint of a threat please copy the SLT on that correspondence. This is simply to ensure we are being consistent across all three teams and don't run into a technical kerfluffle later.
- After we get the abundance and distribution models the GIS team will help overlay those layers with the footprints. Then we will do calculations of indirect effects in the areas of high abundance. The SLT is working out the details of how that will be accomplished.

That's all for now. If you have questions please give one of us a call.

Thanks!

Pat and the SLT

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