From: Hansen, Craig
To: Freifeld, Holly
Subject: Re: GRSG 2015 - RSVP: climate change and maps for species report (rephrased request for your input....)
Date: Monday, November 17, 2014 4:35:18 PM

Copy. I will take a look tomorrow. Thanks. Craig.

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Craig Hansen
U.S. Fish and Wildlife Service
(303) 236-4749
Schedule: M T Th F

On Mon, Nov 17, 2014 at 4:23 PM, Freifeld, Holly <holly_freifeld@fws.gov> wrote:

Hi all,

I'm working with Rich Young to pull together data and submit a GIS request for some climate maps for the species report. These maps -- current conditions and a couple sets of future conditions -- will be important visual aids to set the stage in our overall review of potential climate change impacts to sage-grouse. This review will include the results from quantitative models that Kevin's group is working on as well as our review of all the rest of the "best available."

My question is: what climate variables will be most salient to see on these maps? See the matrix below. This is the range of climate variables available from our potential data sources. It's probably reasonable, in terms of workload, to aim for maps (again, current and future conditions) of two variables, maybe three at most. I've put in straw-man Xs for the maps that seem good to me, but I have scant knowledge of this ecosystem. What do you-all think? Add your Xs wherever you think they should go. I will compile.

I hope this will only take a few minutes - please respond this week. And please fire away if you have any questions!

Thanks,
Holly

SEASON	Annual	Dec-Feb	Mar-May	Jun-Aug	Sep-Nov
CLIMATE VARIABLE					
Maximum daily temperature				**X**	
Minimum daily temperature					
Diurnal temperature range					
Average daily specific humidity					
Average daily precipitation amount	**X**				
Average daily wind speed					
Average daily eastward component of wind					
Average daily northward component of wind					
Downward shortwave radiation					
Runoff					

Snow					
Soil storage					

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