From:	Deibert, Pat
To:	Norman, Kate
Cc:	Kevin Doherty
Subject:	Re: GSG 2015, Presentation for 5/22
Date:	Tuesday, May 13, 2014 4:32:55 PM
Attachments:	fading slides for RD briefing.pptx

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updated slides.

I didn't load them into the presentation as I have two options attached. The first takes the range, clipped to populations and adds one layer of existing fragmentation from oil and gas, ag. conversion, and fire, then one layer of the potential future fragmentation from oil and gas and fire. The second range is a repeat of the first, but has one additional layer - that being the existing habitat degradation from two other threats (conifers and other exotic herbaceous invasives). It paints a whole different picture, but adds a layer. Let me know what you think.

p

On Tue, May 13, 2014 at 3:52 PM, Norman, Kate <kate_norman@fws.gov> wrote:

> Here's the uploaded version. (If you want to edit directly to SharePoint, you'll need to copy the link into Internet Explorer)
> https://portal.doi.net/usfws/SG/docs/Forms/522.aspx
>
> Sorry for the delay and - again- sorry for having to cut our conversation short. That was all kinds of lacking in social grace on my part!
>
> Thanks for your patience!
> K
>
> --
> Kate Norman
> Sage-Grouse Project Manager
> U.S. Fish and Wildlife Service, Headquarters
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U.S. Fish and Wildlife Service
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Cheyenne, WY 82009
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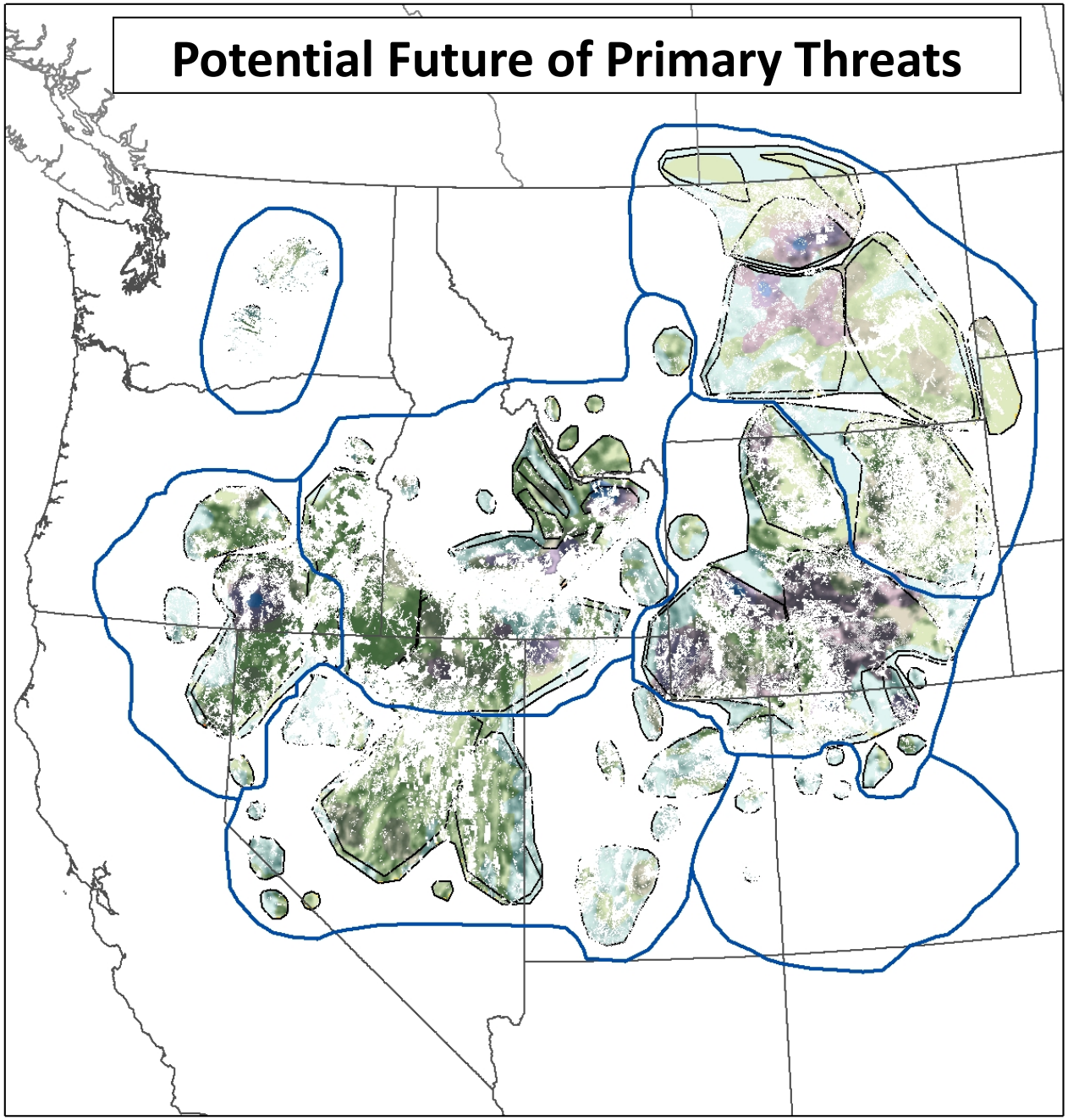
got leks?

Potential Future of Primary Threats



Sage Grouse Mgt. Zones

Percent Sage Brush

By Sage Grouse Population

% High

% Low

Males at Leks

High

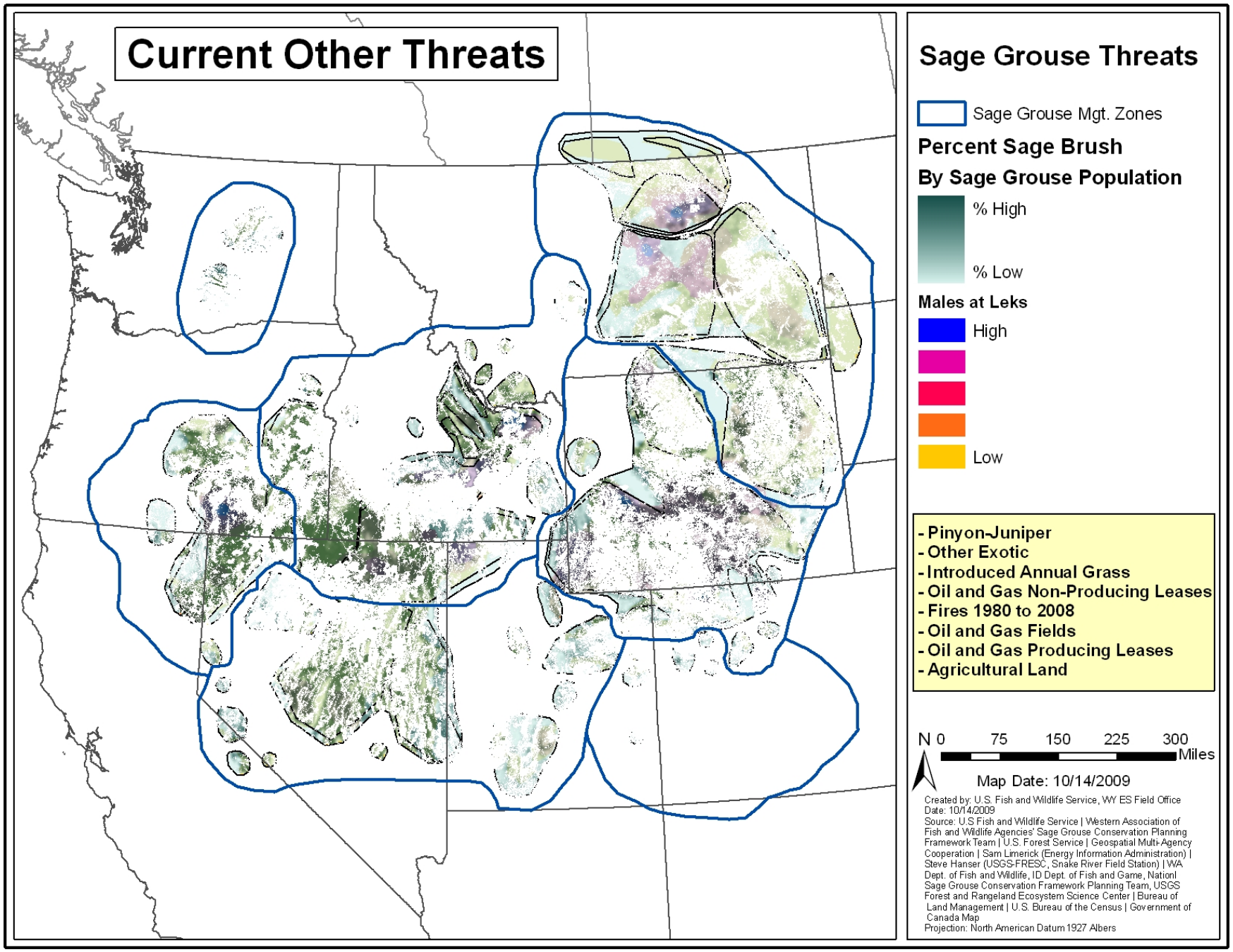
Low

- Introduced Annual Grass
- Oil and Gas Non-Producing Leases and
  - Fires 1980 to 2008
  - Oil and Gas Fields
  - Oil and Gas Producing Leases
  - Agricultural Land

N 0 75 150 225 300 Miles

Map Date: 10/14/2009

Created by: U.S. Fish and Wildlife Service, WY ES Field Office
Date: 10/14/2009
Source: U.S Fish and Wildlife Service | Western Association of Fish and Wildlife Agencies' Sage Grouse Conservation Planning Framework Team | U.S. Forest Service | Geospatial Multi-Agency Cooperation | Sam Limerick (Energy Information Administration) | Steve Hanser (USGS-FRESC, Snake River Field Station) | WA Dept. of Fish and Wildlife, ID Dept. of Fish and Game, Nationl Sage Grouse Conservation Framework Planning Team, USGS Forest and Rangeland Ecosystem Science Center | Bureau of Land Management | U.S. Bureau of the Census | Government of Canada Map
Projection: North American Datum 1927 Albers


Current Other Threats
Sage Grouse Threats
Sage Grouse Mgt. Zones
Percent Sage Brush
By Sage Grouse Population
% High
% Low
Males at Leks
High
Low
- Pinyon-Juniper
- Other Exotic
- Introduced Annual Grass
- Oil and Gas Non-Producing Leases
- Fires 1980 to 2008
- Oil and Gas Fields
- Oil and Gas Producing Leases
- Agricultural Land
N
0 75 150 225 300
Miles
Map Date: 10/14/2009
Created by: U.S. Fish and Wildlife Service, WY ES Field Office
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