From:	Norman, Kate
To:	Smith, David
Cc:	Converse, Sarah; Steven Morey
Subject:	Re: GSG 2015, Presentation for Tomorrow"s briefing
Date:	Tuesday, May 06, 2014 2:35:06 PM
Attachments:	20140507_GSG_SDM_Briefing_ver2.pptx

Here are my attempts to address these changes.

With regard to Species Needs... Does the current version pretty much cover the species needs? Or is there something else we'd want to include (e.g. genetic diversity)?

Thanks,
K

On Tue, May 6, 2014 at 3:08 PM, Smith, David <drsmith@usgs.gov> wrote:

> Sarah,
>
> On slide 8, climate change could affect threats (e.g., fire frequency) directly or habitat (e.g., increased summer precip changing veg community). Also, climate change is in the minds of the DMs as an elevated issue for various reasons. The rational for Aldridge's Powell Center proposal is to evaluate the extent that the conservation plans have taken climate change into account. I think if we did not have climate change explicit identified in the influence diagram, it would stand out as an omission.
>
> Also, on slide 8, how about we revise to read "Sagebrush habitat (quantity, quality, and connectivity)"?
>
> David R. Smith
> USGS - Leetown Science Center
> 11649 Leetown Road
> Kearneysville, WV 25430
> drsmith@usgs.gov
> 304-724-4467
> https://profile.usgs.gov/drsmith
>
> On Tue, May 6, 2014 at 2:56 PM, Converse, Sarah <sconverse@usgs.gov> wrote:
>
> > Sorry guys.
> >
> > On Tue, May 6, 2014 at 2:20 PM, Converse, Sarah <sconverse@usgs.gov> wrote:
> >
> > > Hi Kate and Dave, thanks so much for putting this together. My comments are embedded. Let me know what questions you have.

Thanks,
Sarah

On Tue, May 6, 2014 at 11:43 AM, Norman, Kate <kate_norman@fws.gov> wrote:

> Here's the revised presentation for tomorrow.
>
> I've also posted it to SharePoint just for reference :)
>
> K
>
> --
> Kate Norman
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Greater Sage-Grouse

2015 Status Review

Structured Decision Making & Modeling

Regional Director Briefing

May 7, 2014

GOALS FOR TODAY:

Structured Decision Making

- General Benefits
- Specific application to Greater Sage-Grouse
  - Context
  - Modeling
  - Decision Making

ID Geographic Areas
(Spring 2014)
- Potential DPS
- Potential SPR

Analysis and Evaluation
- Predictive Modeling
- PECE Analysis
- Species Report

Extinction risk

Risk Tolerance
- Informed by Policy

Status Determination
(April 2015)
- Status
- Listable Entities

End. → Critical Habitat

Threat. → Critical Habitat

Threat. → 4d (possible)

Threat. → **Not Warranted**

ID Geographic Areas
(Spring 2014)
- Potential DPS
- Potential SPR

Analysis and Evaluation
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- Species Report

Extinction risk

Risk Tolerance
- Informed by Policy

Status Determination
(April 2015)
- Status
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End.

Threat.

Critical Habitat

4d (possible)

Not Warranted

Objectives

- **FUNDAMENTAL:**
  - Long-term persistence of greater sage-grouse consistent with the ESA.
- **PROCESS:**
  - Maximize scientific soundness,
  - Efficient and Transparent process
  - A clear rationale for decision making maximizing legal defensibility
- **STRATEGIC:**
  - Maintain relationships with partners

Performance Measures (response variables)

- **Resilience of population**
  - Abundance
- **Redundancy at landscape scale**
  - Distribution
- **Representation (measure of adaptive capacity)**
  - Genetic Diversity
  - Geographic Diversity

ID Geographic Areas

(Spring 2014)

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Status Determination

(April 2015)

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End.

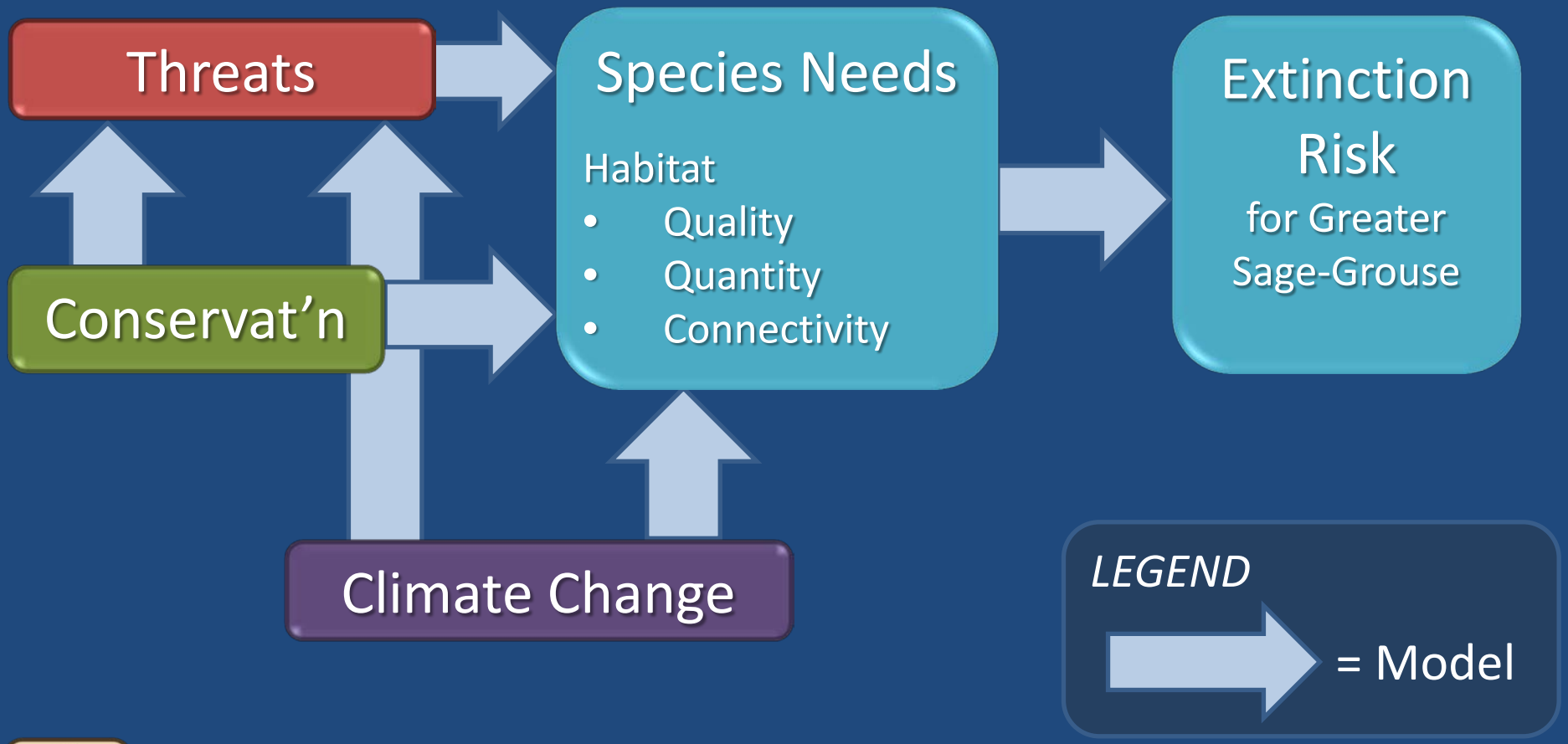
Threat.

Critical Habitat

4d (possible)

Not Warranted

Predictive Modeling



Predictive Modeling

June 2014

Model Building Workshop

July 2014

Expert Review of Model

August 2014

Expert Elicitation

Fall 2014, Winter 2015

Completing Models

ID Geographic Areas

(Spring 2014)

- Potential DPS
- Potential SPR

Analysis and Evaluation

- Predictive Modeling
- PECE Analysis
- Species Report

Extinction risk

Risk Tolerance

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Status Determination

(April 2015)

- Status
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End.

Threat.

Critical Habitat

4d (possible)

Not Warranted

Decision Making

- Multiple Day Workshop
- Review of Information
  - Evaluate Uncertainty
  - Model Predictions
- Facilitated Workshop for Decision Makers

RD Input:

Is the approach acceptable?

Can we proceed with the modeling workshop?