From: Delavan, Jodie
To: Megan Creutzburg; Theresa Burcsu; Jeff Everett
Subject: Re: management treatment failure rates
Date: Wednesday, September 11, 2013 11:21:28 AM

Hi Megan,
I think the last discussion I had with Glenn on this topic was the Aug 16 email that explained their assumptions for the VDDT modeling. These assumptions seem optimistic, but I am not completely clear on how we intend to apply the assumption for the disturbance threshold analysis and other analyses. For example, if we are using it in our mitigation ratios... I do not feel comfortable assuming that for every acre of habitat lost, we can remove 1 acre of juniper (because removal is supposedly 100% successful) for a no net loss in habitat. For juniper, maybe we are 100% success for X years for all Phase 1 projects that are done with mechanical removal (but at some point juniper will get tall again in the treatment area so after a certain number of years the area would need treatment again). Please just consider this as flag to proceed with caution and make sure the assumptions are valid for our purposes. It may turn out that we need to come up with other assumptions- perhaps using what BLM did in 2008. Maybe this would be a good topic for the next meeting?

Thanks, Jodie

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On Wed, Sep 11, 2013 at 8:48 AM, Megan Creutzburg <mkc3@pdx.edu> wrote:

> Hi Jodie-
>
> I wanted to follow up on our e-mail thread from a few weeks ago after our discussion of management in southeastern Oregon and management scenarios for the CMH and SageCon projects. Were you ever able to ask Glenn specifically about the 2008 BLM summary of restoration effectiveness and if that's still relevant? I got Glenn's message about the assumptions for the current sage-grouse amendment efforts, but they seemed too optimistic - I think they assumed 100% success for every treatment except seeding, and the seeding success seemed high as well. If you still haven't been able to verify that the information is current that's no problem, but I thought I'd ask again just to make sure.
>
> Thanks,
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> Megan
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> On Fri, Aug 16, 2013 at 3:21 PM, Delavan, Jodie <jodie_delavan@fws.gov> wrote:
>
>> This seems high to me. However, it would help to know how they came up with the assumptions (their scientific basis) and if this is what they are using for all states.

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On Fri, Aug 16, 2013 at 11:50 AM, Megan Creutzburg <mkc3@pdx.edu> wrote:

> Yeah, definitely good timing! Although this seems like much more general information than you were describing. I've talked to Louisa about failure rates several times before but I got the impression that she hadn't looked into treatment effectiveness much, and all of the 100%s seem to be pretty different from what the ARS scientists were talking about.... (They were basically saying that success is very low for seeding most of the time, even with crested wheatgrass, and conversion to cheatgrass occurs much of the time when doing any type of treatment in Wyoming sage). Does the spreadsheet you have that you referenced in the call have more detail than Louisa's numbers? I completely understand if you're uncomfortable sharing it, but I'm just wondering about how specific it is.
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> Thanks again!
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> Megan
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> On Fri, Aug 16, 2013 at 11:33 AM, Delavan, Jodie <jodie_delavan@fws.gov> wrote:
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>> Well Glenn has excellent timing since he sent you an email 4 min after this one came!
>>
>> **Jodie Delavan**
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>>
>> On Fri, Aug 16, 2013 at 11:17 AM, Megan Creutzburg <mkc3@pdx.edu> wrote:
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>>> Great, thanks for clarifying and getting in touch with Glenn. That sounds like a good plan and I can follow up with Glenn as well as we work together on management scenarios.
>>>
>>> Thanks for all of your help!
>>>
>>> Megan
>>>
>>>
>>> On Fri, Aug 16, 2013 at 10:23 AM, Delavan, Jodie <jodie_delavan@fws.gov> wrote:
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>>>> Hi Megan,
>>>> I emailed and called Glenn Frederick at BLM - and forwarded him the

information that I mentioned in our meeting. It is a 2008 summary from BLM (nationally) estimating the effectiveness of restoration efforts in a few habitat types (including conifer treatments and annual grass treatments). They estimated effectiveness by state, treatment type and precipitation levels and provided some justification for these estimates. Glenn started with BLM in Portland after the 2010 warranted finding so he may not be aware of this, which is why I emailed it to him. I asked him if this was still applicable or if they had updated info that they want to share instead. I figured it's their information to share so I was hoping to vet this through him first to see if BLM thinks it is still applicable. Glenn is very swamped so it may take a couple of days to reach him but I'll keep trying. I wanted you to know I'm following up on this.

Thanks!

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On Thu, Aug 15, 2013 at 11:28 AM, Megan Creutzburg <mkc3@pdx.edu> wrote:

> Hi Jodie-
>
> Thanks for joining our call the other day and we look forward to corresponding with you further about management scenarios. You mentioned something about a summary of failure rates for management treatments and I believe you may have mentioned that someone at BLM put that together? I didn't quite catch that part of the conversation - could you refresh my memory and let me know if you have a contact for getting that information or if you have it and could send it to me directly?
>
> Thanks again!
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> Megan
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> --
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