

From: [Stephen Torbit](#)
To: [Guinotte, John](#)
Cc: [Grizzle, Betty](#); [Shoemaker, Justin](#)
Subject: Re: Adaptation Partnership assessments
Date: Friday, January 27, 2017 11:40:39 AM

John, let's be careful not to delay completion of the Modis component of our work to look at the additional den sites. Many should be covered.

Sent from my iPhone

On Jan 27, 2017, at 11:26 AM, Guinotte, John <john_guinotte@fws.gov> wrote:

Thanks Betty,

NOAA/CU calculated melt out date from historical Modis data for our two study sites for the future snow pack work in Glacier and Rocky Mountain national parks. I'm going to ask them this afternoon what level of effort it would take to calculate melt out dates for the rest of the den sites.

Best., John

On Fri, Jan 27, 2017 at 11:02 AM, Grizzle, Betty <betty_grizzle@fws.gov> wrote:

I am attaching two of the three references cited in the comment letter. I haven't been able to find (yet) a 2017 draft document being prepared as a chapter for a GTR from Rocky Mtn Research Station.

Regarding your preliminary analysis, how did you determine the melt out date? Also, it will be important to also look at southern den sites. Thanks for sharing this.

On Fri, Jan 27, 2017 at 9:53 AM, Guinotte, John <john_guinotte@fws.gov> wrote:

Hi Betty,

No I haven't seen the site. Can you share the two documents? I just had a closer look at the 13 den sites in Glacier where I have historic Modis snow cover data. Spreadsheet is attached. Looks like melt out date was well after the dates Copeland recorded for all sites.

Best, John

John Guinotte
Fish and Wildlife Biologist
Ecological Services
U.S. Fish and Wildlife Service
Mountain Prairie Region 6
134 Union Blvd., Lakewood, CO 80228
303-236-4264
john_guinotte@fws.gov

On Fri, Jan 27, 2017 at 10:42 AM, Grizzle, Betty <betty_grizzle@fws.gov> wrote:

John - Have you seen the following website?
<http://adaptationpartners.org/nrap/>

I received a comment letter today referencing 3 documents produced by this collaborative partnership (identified as drafts). I am reviewing these now, but it looks like two of them are vulnerability assessments related to climate change effects - essentially generated scenarios - and wolverine is one of 20 species considered.

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Betty J. Grizzle, D.Env.
Fish and Wildlife Biologist
U.S. Fish and Wildlife Service
Carlsbad Fish and Wildlife Office
2177 Salk Ave, Suite 250
Carlsbad, CA 92008
760-431-9440, ext. 215
760-431-5901 fax

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Betty J. Grizzle, D.Env.
Fish and Wildlife Biologist
U.S. Fish and Wildlife Service
Carlsbad Fish and Wildlife Office
2177 Salk Ave, Suite 250
Carlsbad, CA 92008
760-431-9440, ext. 215
760-431-5901 fax