From:	Gunther, Kerry
To:	van Manen, Frank
Cc:	Brian DeBolt; Cecily Costello; Servheen, Chris; Curtis Hendricks; Dan Bjornlie; Dan Thompson; Dan Tyers; David Gustine; Jennifer Fortin-Noreus; Katharine Wilmot; Kevin Frey; Mark A Haroldson; Megan Higgs; Pat Hnilicka; Steve Cherry; Wayne Kasworm
Subject:	Re: map request
Date:	Tuesday, June 07, 2016 2:00:13 PM

Frank,

I am fine with you distributing that information.

Kerry

On Mon, Jun 6, 2016 at 5:38 PM, van Manen, Frank <fvanmanen@usgs.gov> wrote:

> IGBSTers,
>
> Mark and I recently received a request from Sterling Miller on behalf of the National Wildlife Federation regarding data on NPS transboundary bears (see email below). We always try to make sure that everyone is in the loop on this. We previously have provided the summary data I show below to other entities, so I assume there is no issue sharing this again. Additionally, we're planning to send him a "noisy" map of VHF locations of transboundary bears. We've shown maps like this at YES and IGBC meetings and shared this version with NPS recently. I'll plan to send this to Sterling in the next few days, let me know if anyone has concerns about sharing this info.
>
> Frank
>
> ---
>
> We got these numbers together previously at the request of the Park Service. These estimates are based on our VHF telemetry sample of **456** individuals during all or part of **1099 bear years** in the period **2000-2012**.
>
> For **NPS lands:**
>
> - 53.2% of our sample had no locations in NPS lands
> - 46.8% of sample had at least 1 location in NPS lands, of which:
>   - 21.6% of sample was trans NPS boundary
>   - 25.2% of sample was only located within NPS lands
>
> For **YNP:**
>
> - 61.5% of sample had no locations in YNP
> - 38.5% of sample had at least 1 location in YNP, of which:
>   - 14.6% of sample was trans YNP boundary
>   - 23.9% of sample was only located within YNP
>
> For **GRTE + JDR lands:**
>
> - 90% of sample had no locations in GRTE + JDR lands
> - 10% of sample had at least 1 location in GRTE + JDR lands, of which:
>   - 8.8% of sample was trans GRTE + JDR boundary

1.2 % of sample was only located within GRTE + JDR

We did not produce maps with home ranges. We did produce graphics showing the distribution of the trans-boundary bears (see attached) If you want those maps showing home ranges for trans-boundary bears we won't be able to get to that until after the IBA Conference.

On Sun, Jun 5, 2016 at 3:46 PM, Sterling Miller <sterlingmil@gmail.com> wrote:

> I'm preparing a comment letter for NWF on Montana GB hunting regulations. We are recommending a buffer zone (no hunting) on the periphery of the park (suggesting the PCA line). I've found a number of publications with maps showing the distribution of GYE bears but what I'd really like is one showing home ranges of collared bears overlapping the park boundaries. A noisy map is fine. Can you help?
>
> Also can you point me to any data that indicate how many of the grizzlies resident some time in the park, spend time outside of the park?
>
> Any help would be appreciated.
>
> Thanks,
>
> Sterling

--
Kerry Gunther
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