

From: [Turner, Ed](#)
To: [Betty Grizzle](#)
Subject: Fwd: mapping wolverine habitat
Date: Wednesday, January 4, 2017 12:43:40 PM
Attachments: [wolverine.gdb.zip](#)

Emails from the WY office about Wolverine and models>

Some reports from Copeland and Inman that show data and such. I'll look into these too as seems like they will have data possibly.

<https://idfg.idaho.gov/old-web/docs/wildlife/planWolverine.pdf>

<https://www.nps.gov/grte/learn/nature/upload/2013-Wolveirne-Ecology-Conservation-in-Western-US-RM-Inman-Dissertation-cmprsd-opt.pdf>

<http://iopscience.iop.org/article/10.1088/1748-9326/6/1/014007/meta>

----- Forwarded message -----

From: **Lindstrom, James** <james_lindstrom@fws.gov>
Date: Wed, Jan 4, 2017 at 11:15 AM
Subject: Fwd: mapping wolverine habitat
To: Ed Turner <Ed_Turner@fws.gov>

Hey Ed,

I am forwarding the email chain below so that you have everything I have. Attached with the emails is a composite model data set that is supposed to identify snow pack areas, which are meant to identify Wolverine habitat. Some additional info in the Metadata. It also says to contact nick_hardy@fws.gov for more information. I and my office got this through Shawn Sartorius, who worked on previous wolverine findings/listings. He has since left the Service.

Jim

Jim Lindstrom
james_lindstrom@fws.gov
Cartographer
U.S. Fish & Wildlife Service
Wyoming Ecological Services Field Office
(307) 772-2374 (Ext 240)

----- Forwarded message -----

From: **Belleman, Ann** <ann_belleman@fws.gov>
Date: Wed, Feb 13, 2013 at 9:37 AM
Subject: Fwd: mapping wolverine habitat

To: Gary Hanvey <ghanvey@fs.fed.us>, James Lindstrom <james_lindstrom@fws.gov>

fyi and use

Ann Belleman
Wildlife Biologist
U.S. Fish and Wildlife Service
808 Meadow Lane
Cody, WY 82414
ann_belleman@fws.gov

307-578-5116
307-578-5112 fax

----- Forwarded message -----

From: **Sartorius, Shawn** <shawn_sartorius@fws.gov>
Date: Wed, Feb 13, 2013 at 9:32 AM
Subject: Re: mapping wolverine habitat
To: "Belleman, Ann" <ann_belleman@fws.gov>

Ann,

Here is the composite habitat model shape files I mentioned. These can be used as a good representation of what we know about wolverine habitat.

On Tue, Feb 12, 2013 at 4:19 PM, Belleman, Ann <ann_belleman@fws.gov> wrote:

Thanks.

Ann Belleman
Wildlife Biologist
U.S. Fish and Wildlife Service
808 Meadow Lane
Cody, WY 82414
ann_belleman@fws.gov

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On Tue, Feb 12, 2013 at 4:04 PM, Sartorius, Shawn <shawn_sartorius@fws.gov> wrote:
we have put together a composite model of wolverine habitat based on the Copeland snow model and Inman habitat model. I a few days, we should have a GIS layer for folks who want to apply that to their project maps. The gross-scale representation of the map is posted on the R6 wolverine website.

Shawn.

On Tue, Feb 12, 2013 at 3:55 PM, Belleman, Ann <ann_belleman@fws.gov> wrote:
Hi Shawn - One of the FS bios asked me about guidance on the above subject, so
thought I'd ask you for input. Thanks.

Ann Belleman
Wildlife Biologist
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808 Meadow Lane
Cody, WY 82414
ann_belleman@fws.gov

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Shawn Sartorius, Ph.D.
US Fish and Wildlife Service
Montana Field Office
Helena Montana

406 449-5225 x208

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Montana Field Office
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Edwin Turner, Geographer
GIS Mapping and Analysis Branch

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