

From: [Grizzle, Betty](#)
To: [Shoemaker, Justin](#)
Subject: Fwd: maps for Monday
Date: Monday, March 6, 2017 8:40:53 AM
Attachments: [Wolverine D Inman Habitat Obs2.pdf](#)
[Wolverine Inman Habs Obs.pdf](#)

Hi Justin - Can you take a quick look at these two maps? These represent the historic range of wolverine in western U.S. I'm not sure if either of them are ready to send to the Core Team; would like your input as to which makes more sense to you. I would like to send only one. John is creating the current range map and I asked him to try and complete that before the call tomorrow.

Thanks,
Betty

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

From: **Turner, Ed** <ed_turner@fws.gov>
Date: Thu, Mar 2, 2017 at 2:30 PM
Subject: maps for Monday
To: Betty Grizzle <betty_grizzle@fws.gov>

Here are two maps and we can build from these.

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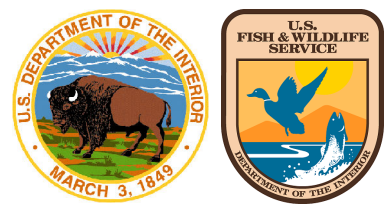
Edwin Turner, Geographer
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DOI-R8-CFWO
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Wolverine Observations and Inman Modeled Habitats

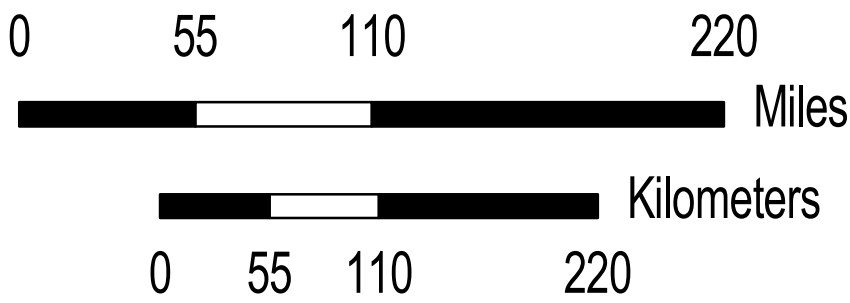
This map represents areas of western United States predicted to be primary wolverine habitat (suitable for survival, i.e., use by resident adults), female dispersal habitat (suitable for relatively brief female dispersal movements), and male dispersal habitat (suitable for relatively brief male dispersal movements) based on resource selection function modeling developed with wolverine telemetry locations from the Greater Yellowstone Ecosystem, of Montana, Idaho, and Wyoming, USA, 2001-2010.

DRAFT Not for real use yet....

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CARLSBAD FIELD OFFICE
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DATA SOURCE: USFWS, INMAN (WCS), COPELAND
IMAGE SOURCE: ESRI Online Mapper
Mar 02, 2017
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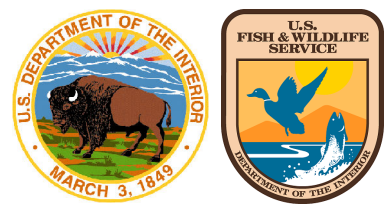


Legend

- ▲ Wolverine Observations
Compiled by USFWS-CFWO in the 2017 effort.
- Primary Habitat

- Female Dispersal
- Male Dispersal

Map is a reproduction of Figure 4., from Robert Inman's
Doctoral Thesis No. 2013:4,
Wolverine Ecology and Conservation in
the Western United States

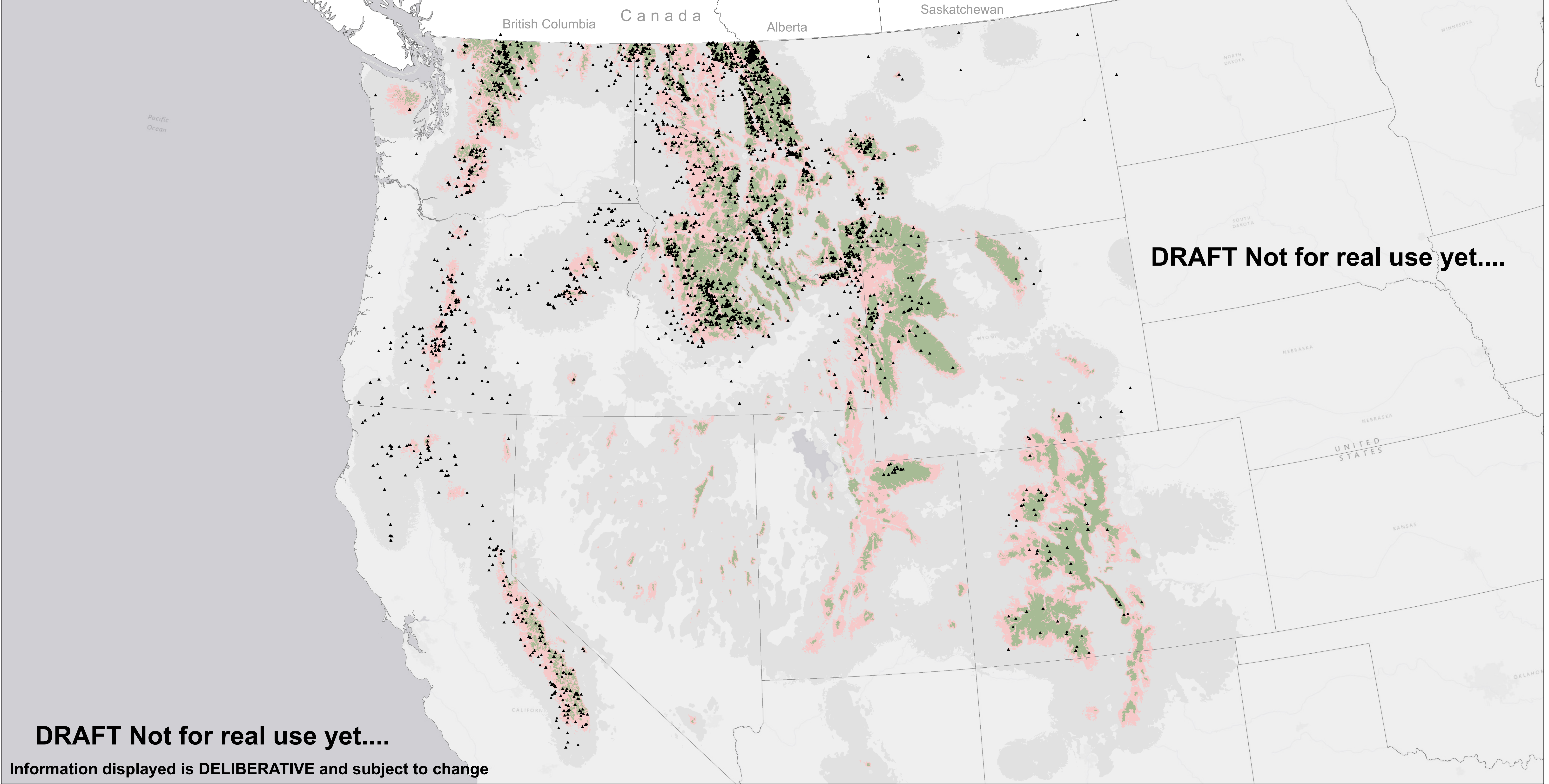


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