

From: [Turner, Ed](#)
To: [Grizzle, Betty](#)
Subject: Re: Nick and our CFWO range maps that we ran
Date: Tuesday, February 7, 2017 10:28:53 AM
Attachments: [Wolverine D Inman Primary Habitat USFS.pdf](#)
[Wolverine D USFS Prior Range.pdf](#)

Here are maps

On Tue, Feb 7, 2017 at 8:38 AM, Grizzle, Betty <betty_grizzle@fws.gov> wrote:

Thanks Ed! One more map I forgot about - using only the USFS "confirmed" observations rather than all observations, and overlaying those points on Bob Inman's PH and Nick's final range map. Let me know if that makes sense.

On Mon, Feb 6, 2017 at 4:54 PM, Turner, Ed <ed_turner@fws.gov> wrote:

Just in case you should need them.

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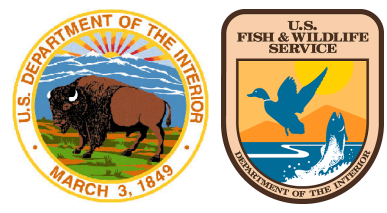
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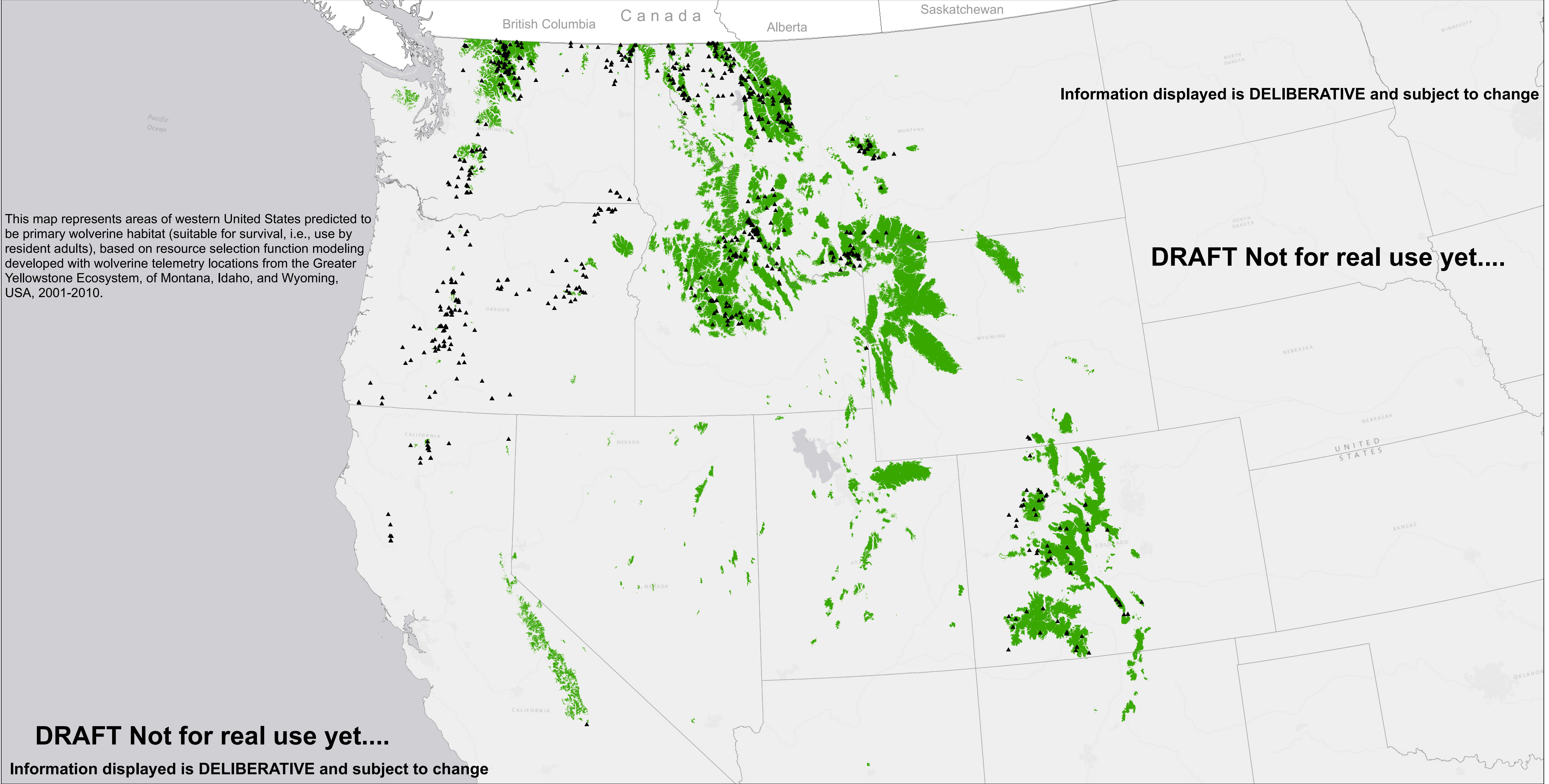
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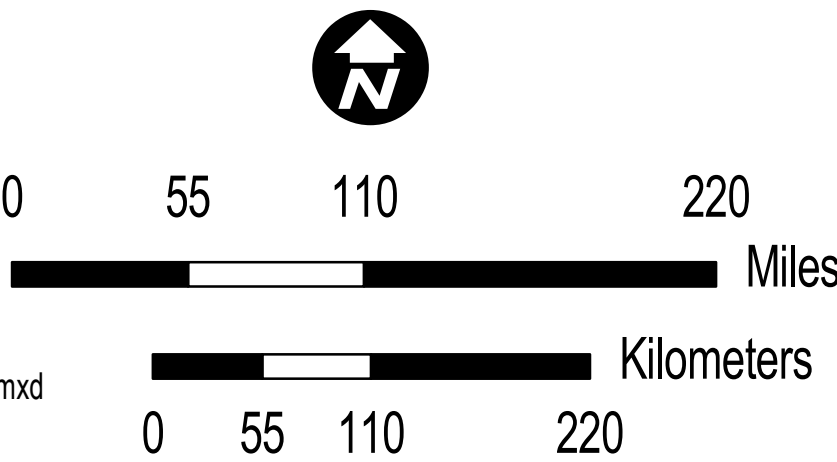
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Wolverine Primary Habitat in the Western United States with USFS Data



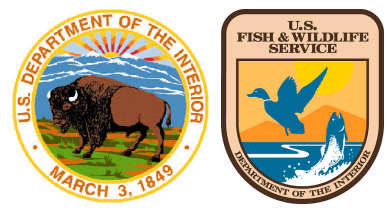
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DATA SOURCE: USFWS, INMAN (WCS), COPELAND
IMAGE SOURCE: ESRI Online Mapper
Feb 07, 2017
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Legend

- ▲ Wolverine Observations
USFS NRIS Data
- Primary Habitat

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

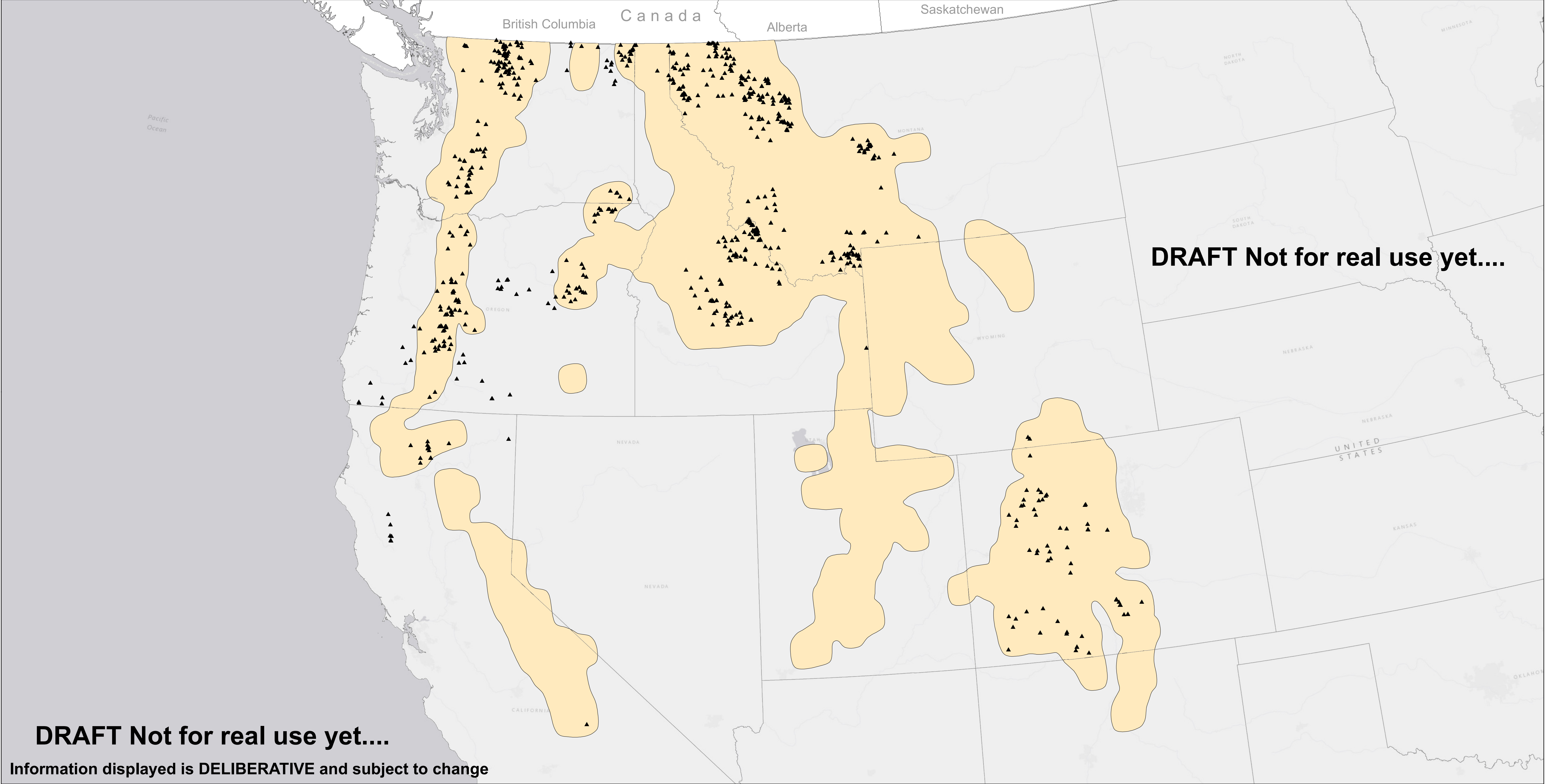


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Information displayed is DELIBERATIVE and subject to change

Wolverine USFS Data and Prior Geographic Range Map



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- Legend**
- ▲ Wolverine Observations
USFS NRIS Data
 - Prior Geographic Range - Map represents areas that were considered the Geographic Range created prior by Nick Hardy and Shawn Sartious, USFWS, using the Snow model, PH model, FD model limiting areas to >100km² and finally buffered to 20km.