

From: [Evans Mack,Diane](#)
To: [Grizzle, Betty](#)
Cc: [Sallabanks,Rex](#)
Subject: RE: Wolverine detections - Idaho
Date: Wednesday, September 13, 2017 11:52:08 AM
Attachments: [image003.png](#)
[image004.wmz](#)
[image005.png](#)
[image006.wmz](#)
[image007.png](#)
[image008.png](#)
[oledata.mso](#)

Hi Betty –

The 5 cameras with wolverine detections this past winter (2016-17, as part of the 4-state survey) in the Salmon River Mtns were at these locations (decimal degrees, WGS84):

We had 2 additional cameras in the Salmon River mtns (in addition to the 10 reported below) that were in grid cells not selected for sampling by the states but where volunteers ran cameras with a slightly looser protocol. One of these had a wolverine:

Let me know if you would like more detail on this or other information.

Thanks.

Diane

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From: Grizzle, Betty [mailto:betty_grizzle@fws.gov]
Sent: Monday, September 11, 2017 9:00 AM
To: Evans Mack,Diane
Subject: Re: Wolverine detections - Idaho

Thanks Diane for this information. Would it be possible to get the coordinates (or GIS files) for the 5 detections in the Salmon Mtns? Were these from this past winter?
Betty

On Thu, Sep 7, 2017 at 2:37 PM, Evans Mack,Diane <diane.evansmack@idfg.idaho.gov> wrote:

Hi Betty –

Thanks for your patience. Below are results from the western states camera survey relative to the 3 areas you asked about:

- 1) [Centennial Mtns of Idaho](#) – we had 1 camera station in the Centennials. It was deployed on 11/28/16 and pulled 4/22/17, for a total of 146 trap nights. We did not detect a wolverine. The most recent observation in our IDFG database is from 2005. Thus, results do not refute Heinemeyer and Squires assertion that Inman's study had the last known detections, although our sample intensity was not high. Heinemeyer and Squires had greater effort (5 locations, 399 trap nights) with no detections.

- 2) [Salmon Mtns of ID](#) – this is a broad area, and the camera survey was not designed to get at numbers of individuals. The statement in the Heinemeyer and Squires report referred to an apparent change in the number of individual wolverines live-trapped in this geographic area from 2010 through 2016 when the # of traps remained constant each year. The western states camera survey won't be able to directly corroborate this. The scale of the two studies was vastly different (home range scale vs. multistate scale). All I can say is that we ran ~10 cameras in this region (depending on how you define the Salmon River Mtns) and had wolverine detections at 5 of those.

- 3) [Smoky Mtns of ID](#) – We had 1 camera station in the Smokey Mtns west of Ketchum. We did not get a wolverine detection, but I'm going to double check because I have notes from the field crew that we did, but no images on the camera across 4 visits. I'll send you a confirmation on this.

Diane

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From: Grizzle, Betty [mailto:betty_grizzle@fws.gov]

Sent: Tuesday, August 15, 2017 9:51 AM

To: Evans Mack,Diane

Subject: Wolverine detections - Idaho

Hi Diane - I am trying to connect the dots between the results of the Winter-Recreation Study (Heinemeyer and Squires, and others) and the WAFWA 2016-2017 monitoring efforts for locations in Idaho.

In her comment letter, Heinemeyer provided the following information based on their monitoring efforts:

- 1) Centennial Mtns of Idaho - no wolverines detected in 3-year effort (2014-2016); Inman's early 2000s study is last confirmed observation in this mountain range
- 2) Salmon Mtns of ID - number of wolverines appears to be lower; based on continued monitoring through 2016 as compared to when their study was initiated in 2010
- 3) Smoky Mtns of ID (site of Copeland's work in 1992-1996) - no wolverines identified from 2012-2014

Bob Inman suggested I contact you to confirm any recent detections in these areas. He indicated that there may have been detections in the Salmon and Smoky Mtn areas during this past winter. If you need a copy of their 2015 report, which includes a map that delineates these areas, I can send that to you. Her comment letter with all of their Progress Reports are also available at our docket (regulations.gov).

Thanks for your time, and feel free to call me if that's easier.

Betty

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