

**From:** [Turner, Ed](#)  
**To:** [Nichole Bjornlie](#)  
**Cc:** [Betty Grizzle](#); [Zack Walker](#)  
**Subject:** Re: Wolverine records  
**Date:** Tuesday, January 17, 2017 10:38:23 AM

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Hello Nichole, Thank you for going to all the effort to pull these together for us.

I'm downloading these now and will touch base should I have any questions.

Thanks again,

Ed

On Tue, Jan 17, 2017 at 9:02 AM, Nichole Bjornlie <[nichole.bjornlie@wyo.gov](mailto:nichole.bjornlie@wyo.gov)> wrote:  
Hi Betty and Ed,

I've attached a zip file with a few GIS layers from our wolverine work. For some reason, our Game and Fish e-mail system doesn't like zip files, so I renamed the extension to .zzz to get around this. You should be able to download the folder, rename the extension to .zip, and open everything fine. If not, please let me know, and I'll try to send these as a series of e-mails instead.

In the folder, I have a shapfile each for wolverine detections and non-detections for 2014-2015 surveys and for 2015-2016 surveys. We haven't gone through the photos for the first part of this year yet (we're having some hard-drive issues), so I don't have any preliminary data for that yet. I also included a shapefile each for observations from our internal Wildlife Observation System (WOS), split into Zone 12 and Zone 13 for ease on my end. These are all detections from employees as well as those reported to the Department. Although we try to avoid including unreliable reports in this database, I would recommend taking these sightings with a grain of salt. We do occasionally end up with reports in there that are unverified or coding errors that specify wolverine, but are actually different species. I don't have a great way to separate these out, so I've supplied all data for now.

Hopefully this helps. Please let me know if you have any questions in the meantime.

Thanks,  
Nichole

On Tue, Jan 10, 2017 at 12:02 PM, Zack Walker <[zack.walker@wyo.gov](mailto:zack.walker@wyo.gov)> wrote:  
Nichole,

I got a call today from Betty Grizzle (USFWS lead on wolverine listing petition). She was asking for a shapefile showing all of our wolverine detections. This would primarily be from the wolverine monitoring work done recently. However, she would also be interested in getting a shapefile of all our wolverine observations. Could you please get this to her in the next couple of weeks? She also requested we send data to [ed\\_turner@fws.gov](mailto:ed_turner@fws.gov). If we can not get her a shapefile, she said a spreadsheet of locations would also work.

Zack

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

From: **Grizzle, Betty** <[betty\\_grizzle@fws.gov](mailto:betty_grizzle@fws.gov)>

Date: Tue, Jan 10, 2017 at 10:32 AM

Subject: Wolverine records

To: [zack.walker@wyo.gov](mailto:zack.walker@wyo.gov)

Hi Zack - Thank you for your assistance in our efforts to compile wolverine records. My contact information is below. The GIS support person assisting me is Ed Turner and his email is [ed\\_turner@fws.gov](mailto:ed_turner@fws.gov).

Please let me know if you have any questions.

Betty

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Betty J. Grizzle, D.Env.  
Fish and Wildlife Biologist  
U.S. Fish and Wildlife Service  
Carlsbad Fish and Wildlife Office  
2177 Salk Ave, Suite 250  
Carlsbad, CA 92008  
[760-431-9440](tel:760-431-9440), ext. 215  
[760-431-5901](tel:760-431-5901) fax

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Zack Walker  
Certified Wildlife Biologist®  
Statewide Nongame Bird and Mammal Program Supervisor  
Wyoming Game and Fish  
260 Buena Vista  
Lander, WY 82520  
Phone: [307-332-7723](tel:307-332-7723) x239  
Fax: [307-332-6669](tel:307-332-6669)  
[Zack.Walker@wyo.gov](mailto:Zack.Walker@wyo.gov)

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Nichole (Cudworth) Bjornlie  
Nongame Mammal Biologist  
Wyoming Game and Fish Department  
260 Buena Vista Drive  
Lander, WY 82520  
Phone: 307.332.7723 ext. 230

Fax: 307.332.6669  
[nichole.bjornlie@wyo.gov](mailto:nichole.bjornlie@wyo.gov)

\*Please note change in e-mail address

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Edwin Turner, Geographer  
GIS Mapping and Analysis Branch

DOI-R8-CFWO  
USFWS Carlsbad Fish and Wildlife Office  
2177 Salk Ave. Suite 250  
Carlsbad, CA 92008  
760.431.9440 x266

[Ed\\_Turner@fws.gov](mailto:Ed_Turner@fws.gov)  
760.431.9440 x266