

From: [Birkeland, Karl -FS](#)
To: [Guinotte, John](#)
Subject: RE: avalanche info for wolverine
Date: Thursday, March 2, 2017 10:40:40 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)

Hi John –

That sounds like an interesting project. I'd be happy to talk with you about avalanches and avalanche terrain in this context. If you email me a few images, that could be helpful.

Do wolverines fadens to be under deep snow? Just

And, say a big hello to Leslie for me!

Cheers,

Karl



Dr. Karl Birkeland
Director

Forest Service
National Avalanche Center

p: 406-587-6954
kbirkeland@fs.fed.us

P.O. Box 130
Bozeman, MT 59771
www.fs.fed.us



Caring for the land and serving people

From: Guinotte, John [mailto:john_guinotte@fws.gov]
Sent: Wednesday, March 01, 2017 4:41 PM
To: Birkeland, Karl -FS <kbirkeland@fs.fed.us>
Cc: Leslie Ellwood <leslie_ellwood@fws.gov>
Subject: avalanche info for wolverine

Dear Karl,

Leslie Ellwood gave me your name and I'm wondering if you have some time to chat with me on the phone this week? We are working on a species status assessment for the wolverine in the lower 48. NOAA and CU are doing some work for us on predicting future snowpack in Glacier and Rocky Mountain National Parks currently. I've found some interesting relationships re the location of wolverine den sites in Glacier and slope. Many of the den sites

are located in potential avalanche run-outs. I can show you some slides to illustrate this. I have a few questions for you regarding this and identification of potential avalanche run-outs.

Thanks John

John Guinotte, PhD
Fish and Wildlife Biologist
Ecological Services
U.S. Fish and Wildlife Service
Mountain Prairie Region 6
134 Union Blvd., Lakewood, CO 80228
303-236-4264
john_guinotte@fws.gov

This electronic message contains information generated by the USDA solely for the intended recipients. Any unauthorized interception of this message or the use or disclosure of the information it contains may violate the law and subject the violator to civil or criminal penalties. If you believe you have received this message in error, please notify the sender and delete the email immediately.







