

From: [A.J.](#)
To: [Grizzle, Betty](#)
Subject: Re: Question re natal den abandonment (from 1998 publication)
Date: Tuesday, April 18, 2017 2:17:18 PM

By the way, Betty, I visited wolverine den sites in southern Sweden in March; only about 7 inches of snow on the ground and on the boulders that formed the dens. No snow tunnels into the boulders; not enough snow. Kits verified on camera.

On Tue, Apr 18, 2017 at 9:25 AM, Grizzle, Betty <betty_grizzle@fws.gov> wrote:

Hi Audrey - In your 1998 paper, *Characteristics of Wolverine Reproductive Den Sites* (from The Journal of Wildlife Management), there is a section title "Den Abandonment" (p. 1316). There it says: "In both Alaska and Idaho, abandonment of natal dens coincided with a period when maximum daily temperatures rose above freezing for a number of days for the first time since denning commenced."

Did you determine/estimate the actual number of days above freezing for abandonment of natal dens in these two areas?

Also, I am sure you heard about the wolverine (apparently born) in Belgium wildlife park (near Han-sur-Lesse).

Here is the Reuters article link:

<http://www.reuters.com/article/us-belgium-wildlife-idUSKBN17G0TJ>

Thanks for your time,

Betty

--

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