

From: [Turner, Ed](#)
To: [Guinotte, John](#)
Cc: [Grizzle, Betty](#)
Subject: Re: Dens Wolverine
Date: Friday, January 27, 2017 11:16:50 AM
Attachments: [Dens_Glacier.xlsx](#)

Hi John, I've attached the actual data table from Copeland's data. You can see that he just listed months and year. Because I had to try and compile all the different data together, I tried to just represent the latest date.

Not the best way as, his date range covers the den snow pack, but some data didn't have that detail so, I went with latest date.

See table as; Mar/May2007 would turn into "20070500" or year of 2007, month of May with no know "day".

I hope that explains stuff.

Sounds like I should send you all the raw den data too if you need.

I had to go in all data provided and run finds after I converted all attribute fields to Upper Case, on any attribute field that seemed like it would have info on "Dens". Then I coded each record as "Den" = 1 (yes) or 0 (no). I then extracted the den = 1 and pushed those over to my den data files.

I can zip all and send as I have then in a geodatabase, feature data set, if that helps on your end.

Hope this helps a bit and please let me know if I should send all the den data.

Thanks, Ed

On Fri, Jan 27, 2017 at 8:37 AM, Guinotte, John <john_guinotte@fws.gov> wrote:

Will do Betty. I haven't heard back from NOAA yet, but I pulled in the den site data for Glacier (where I have historical modis snow data) and I'm looking at it now. There are 13 dens in Glacier from Copeland. However, the date field in the den site shapefile only gives me year and month, not day. I assume this is the case Ed? Please correct me if I'm wrong the date field reads "2003040". This is April 2003? or is it the 40th day of 2003, which would be Feb 9th, 2003? I'm guessing it is April 2003, but want to make sure.

Thanks John

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On Fri, Jan 27, 2017 at 9:04 AM, Grizzle, Betty <betty_grizzle@fws.gov> wrote:

Thanks John. Audrey Magoun asked me to let her know *"if the Forest Service can provide the den data on the correct snow layer for the date of the den and the MODIS snow that was detected that year in that pixel. I'm just curious if this is possible from the database the USFS already has or whether it would have to be a separate analysis."* I told her that I would find out what you have (or we can try to request this directly if you don't have this already) so please let me know what you are able to obtain.

Betty

On Fri, Jan 27, 2017 at 7:33 AM, Guinotte, John <john_guinotte@fws.gov> wrote:

Many thanks Ed. I'm hoping to talk to NOAA today about time involved in bringing in Modis snow cover data for end of May for all of the den sites. I'll keep you and Betty in the loop on this.

Best, John

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On Thu, Jan 26, 2017 at 2:07 PM, Turner, Ed <ed_turner@fws.gov> wrote:

Hello John, Hope all's well. Here are the dens you and Betty discussed. We hope to get more, but this is what we have now.

I created these data from many sets, so the attributes were pulled and combined into fields that I thought would help Betty.

Note that the metadata is from one of the sets I used and I have yet to update it.

Hope this helps and please let me know if you have any questions.

Thanks, Ed

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PERIOD_OF_	DENID	GUL	DEN_TYPE	UTMEAST	UTMNORTH	STRUCTURE	SNOW_VALUE
MarApr_2003	F2Nat03	F2	Natal	310749	5404166	log complex	2
May_2003	F2Mat03	F2	Maternal	310574	5404450	log complex	2
March_2004	F4Nat04	F4	Natal	297540	5403357	log complex	5
April_2004	F4Mat104	F4	Maternal	297611	5403399	down log	5
May_2004	F4Mat204	F4	Maternal	297857	5403451	log/boulder	5
March_2005	F2Nat05	F2	Natal	302971	5402752	spider tree	4
April_2005	F2Mat105	F2	Maternal	302957	5402750	spider tree	4
May_2005	F2Mat205	F2	Maternal	302758	5402702	spider tree	4
April_2006	F4 Den 06	F4	Unconfirmed	294251	5409003	log complex	3
March_2006	F15Nat06	F15	Unconfirmed	305355	5419199	Unk	3
April_2004	F2site04	F2	Unconfirmed	303275	5402243	Unk	4
Mar/May2006		F2	Natal	306377	5406190	log complex	2
Mar/May2006		F2	Maternal	306390	5406134	log complex	2
Mar/May2007		F4	Natal	301026	5405962	boulder/log	5

SNOW_VAL_1	FWS_SOURCE	FWS_LINK
	3 glacier_dens_84	1
	3 glacier_dens_84	2
	6 glacier_dens_84	3
	6 glacier_dens_84	4
	6 glacier_dens_84	5
	6 glacier_dens_84	6
	6 glacier_dens_84	7
	7 glacier_dens_84	8
	5 glacier_dens_84	9
	5 glacier_dens_84	10
	6 glacier_dens_84	11
	3 glacier_dens_84	12
	3 glacier_dens_84	13
	5 glacier_dens_84	14