

**From:** [Turner, Ed](#)  
**To:** [Guinotte, John](#)  
**Cc:** [Grizzle, Betty](#)  
**Subject:** Re: 36 den sites  
**Date:** Friday, March 10, 2017 7:00:59 PM  
**Attachments:** [Wolverine\\_Dens.gdb.zip](#)

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Hi John, Here is the latest dens as a geodatabase so we retain the attribute field names.

Have a good weekend, Ed

On Fri, Mar 10, 2017 at 3:24 PM, Guinotte, John <[john\\_guinotte@fws.gov](mailto:john_guinotte@fws.gov)> wrote:

Hi Betty and Ed, I have not been in the office today. I'll listen to the vm monday am. We could send Bob the den locations we are talking about in a spreadsheet / map to see if he can fill in the month for each record.

Best, John

On Fri, Mar 10, 2017 at 12:48 PM, Grizzle, Betty <[betty\\_grizzle@fws.gov](mailto:betty_grizzle@fws.gov)> wrote:

Ed - Left you a voicemail, so please call if you are in the office today about the Idaho duplicate. Kim Heinemeyer has been studying wolverines in this area for years, so this should be a trusted/verified den, but it is confusing that the descriptions read different. Bottom line - I think one record should be kept, but maybe combine the Habitat De information (and add a note that we combined these). So more of a combine that keep and drop. Hope that makes sense.

John - I am sure Bob has the month and day for the den locations he sent to us, but he is out of the country right now. I will go back and look at some of his reports (and his dissertation) to see if I can find this information.

On Thu, Mar 9, 2017 at 4:34 PM, Turner, Ed <[ed\\_turner@fws.gov](mailto:ed_turner@fws.gov)> wrote:

Hi John and Betty,

There are two sets of duplicates in the total 36 dens. One set is from Inman and we were going to retain that one even though it has all the same information other than the Record ID. Inman did not provide any truly useful information, but he had locations associated by year and Record number and tow unique record numbers were at the same location for the same year.

It could be that Inman uses a general location marker for the dens, thus two on the same spot to limit exact location problems. Much like the Natural Heritage Programs do, as some of those data are generic locations and not the actual occurrence finding.

It does seem like the next duplicate is actually the same record just attributed slightly different within the same database. Could be due to multiple people maintaining the data and just a double entry and various input of info., The info added does seem to say the same thing, but in different wording.

This duplicate is from the Idaho Fish and Game data and I have included the original attribute records in the attached excel.

I colored one Red to "Drop" (number 633) and one Green to "Keep" (number 634). If you and Betty can take a look at the yellow highlighted attribute fields and let me know your thoughts. If we agree, I'll go into the Den data that now has all of Johns fields, drop that record, and remove my Table joining fields and process as the final den dataset.

John I'll pass it to you as a gdb feature class as when we convert to a shapefile we loose part of the field names.

Hope this helps and talk soon, Ed

On Wed, Mar 8, 2017 at 11:27 AM, Guinotte, John <[john\\_guinotte@fws.gov](mailto:john_guinotte@fws.gov)> wrote:

Hi Ed, I did a join to my data for the 36 dens you sent me. You'll need to drop some fields as some are probably duplicated.

The ones you want to keep from my end are:

1. Point\_X
2. Point\_Y
3. Elev\_ft
4. Elev\_m
5. Meltout
6. sd\_may15\_m
7. slope\_deg

Also, I think there are still duplicate records in this set of 36 points. Look at point\_x, point\_y, elev\_ft, and slope\_deg to find them.

It doesn't make sense to calculate meltout for some of inmans den sites since he didn't give us a month for when he documented them, only the year.

Once you've cleaned this file up can you send me the final?

thanks John

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Edwin Turner, Geographer  
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