

From: [Haroldson, Mark](#)
To: [Shoemaker, Rebecca](#)
Subject: Re: mortality table
Date: Tuesday, April 15, 2014 5:04:23 PM
Attachments: [Table GYE Average Mortalities 2002-2013.doc](#)

See attached.

On Mon, Apr 14, 2014 at 2:51 PM, Shoemaker, Rebecca <rebecca.shoemaker@cfc.umt.edu> wrote:

of course. It was in a table when i sent it. Here it is as an attachment. sorry bout that.
thank you. If you don't have time for this, let me know. I know i can do this myself w/
annual reports, just thought it'd be nice if it was easy for you (since "under investigation"
categories change sometimes).
thanks, rebecca

From: Haroldson, Mark [mharoldson@usgs.gov]
Sent: Monday, April 14, 2014 2:46 PM
To: Shoemaker, Rebecca
Subject: Re: mortality table

Hey Rebecca,

Can you put this into a table and send to me. It is hard to get a feel for what is requested
from the single line your email. Also categories appear to be different than

Glad to help if I can.

Mark

On Mon, Apr 14, 2014 at 1:54 PM, Shoemaker, Rebecca
<rebecca.shoemaker@cfc.umt.edu><<mailto:rebecca.shoemaker@cfc.umt.edu>>> wrote:
hey Mark,

Is there any way you could create a table (or give me the data) like this one for the NCDE?
I'm not sure what time period to select and was hoping you might have a biologically-based
suggestion. I was thinking 1998-2013 (cuz of the 1998 baseline) or 2002-2013 (cuz of the
new demo. analyses).

I was also wondering if it makes more sense to report independent aged mortality (known &
probable) separately from dependent young? Same question for male v. female independent
mortality? Are you the person i need to bother for this or should i ask earthjustice to fill the
table in?

thanks in advance!
rebecca

cause (all sources)

mortalities

avg. / year

% total

natural

24

1.7

7%

unknown/undetermined

23

1.6

7%

human-caused

290

20.7

86%

total mortalities

337

24.1

human-caused mortalities

mortalities

% human-caused

augmentation*

6

0.4

2%

automobile collision

28

2.0

10%

capture related

15

1.1

5%

defense of life

43

3.1

15%

illegal

60

4.3

21%

management removal

89

6.4

31%

mistaken identification

18

1.3

6%

train

31

2.2

11%

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Mark A. Haroldson
USGS Northern Rocky Mountain Science Center
Interagency Grizzly Bear Study Team
2327 University Way, Suite 2
Bozeman MT 59715
Phone 406-994-5042
Cell 406-570-7754
Fax 406-994-6416

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