

From: [Servheen, Chris](#)
To: [Shoemaker, Rebecca](#)
Subject: FW: area of old monitoring area versus the area of the modified suitable habitat line
Date: Wednesday, September 25, 2013 9:48:16 AM

From: Haroldson, Mark [mailto:mharoldson@usgs.gov]
Sent: Wednesday, September 25, 2013 9:45 AM
To: Servheen, Chris
Subject: Re: area of old monitoring area versus the area of the modified suitable habitat line

1. Proposed Demographic Area (2012 Smoothed Suitable Habitat) = 49,931 km²
2. Conservation Management Area = 95,225 km²

On Tue, Sep 24, 2013 at 2:59 PM, Servheen, Chris <grizz@umontana.edu> wrote:

Mark,
I think you or Lisa have the area sizes noted below. Thanks for your help on this.

1. Comment: Need to clearly state the differences in area size and counts with the new versus the old Monitoring Areas.

Response: The table below lists the 2012 mortalities for various age classes in the previous and proposed monitoring areas and the size of each area. Figure 1 shows the known and probable mortalities in the same areas 2007-2012.

	Previous monitoring area	Proposed monitoring area
Size in sq. km	***	***
2012 Mortalities females $\geq$ 2 yrs	15	12
2012 Mortalities males $\geq$ 2 yrs	33	28
2012 Mortalities dependent young (only human-caused)	6	6

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