

From: [McDonald, Ken](#)
To: [matt_hogan@fws.gov](#); [richard_hannan@fws.gov](#)
Cc: [jeff.gould@idfg.idaho.gov](#); [Brian Nesvik](#); [ed.schriever@idfg.idaho.gov](#); [Hagener, Jeff](#); [Moore, Virgil](#); [Scott Talbott](#); [McDonald, Ken](#)
Subject: RE: GYA grizzly bear mortality table
Date: Thursday, March 26, 2015 10:04:07 AM
Attachments: [GB Table.docx](#)

Matt and Rich,

Attached per your request is a table that illustrates potential total discretionary mortality of grizzly bears in the GYA at different population levels, based on the mortality limits that were included in the post delisting management plan provided to you by the states on March 19. Please note that this table is to illustrate how the mortality limits in our plan might be implemented, and is not intended to represent a finalized or substitute plan. Also included in that table is a footnote that illustrates the 10-year average known and unknown mortality of griz bears in the GYA from all causes during the past 10 years. This represents an average, recognizing that in some years the total known and unknown mortality was significantly greater.

Hope this helps

Ken McDonald
Chief of Wildlife
Montana Fish, Wildlife and Parks
P.O. Box 200701
Helena, MT 59620
406-444-5645

Pop Size	Independent Aged Females	Female Mortality Thresholds	Female Mortality Limits	Independent Aged Males	Male Mortality Thresholds	Male Mortality Limits	Total Bears
Lower 95% CI (609)	212	7.60%	16	212	15%	32	48
Population Estimate (683)	238	9%	21	238	20%	48	69
Upper 95% CI (757)	264	10%	26	264	22%	58	84

10 yr avg. mortality	Ecosystem-Wide Mortality*	
	Known	Known+Unknown
Male	12	22
Female	9	17

****This was included as these are the numbers reported for the annual report**