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To: [Davis, Ellen -FS](#); [Losinski, Gregg \(gregg.losinski@idfg.idaho.gov\)](#); [vcrowser@mt.gov](#); [Jennifer Bruns](#); [McFaddan, Linda L -FS](#); [kannis@mt.gov](#); [douglas_zimmer@fws.gov](#); [Alec.Dale@gov.bc.ca](#); [Alexander, Joseph G -FS](#); [Andrew C White](#); [Bailey, Paula J -FS](#); [bakernrb@dfw.wa.gov](#); [Boehlke, Shanon M -FS](#); [Bonnie.Scott@pc.gc.ca](#); [Bradford, Paul -FS](#); [Brian Kelly](#); [Brian Nesvik](#); [chip_jenkins@nps.gov](#); [csmithwmi@msn.com](#); [Connaughton, Kent -FS](#); [dave.brittell@dfw.wa.gov](#); [Dave.McDonough@pc.gc.ca](#); [Debbie_Schreiner@fws.gov](#); [DeGayner, Eugene J -FS](#); [Ferebee, Brian -FS](#); [Finley, Marlene -FS](#); [Frank van Manen](#); [George.Hamilton@gov.ab.ca](#); [Gregg Losinski \(glosinski@idfg.idaho.gov\)](#); [Harv Forsgren \(hlforsgren@aol.com\)](#); [Heath, Becki L -FS](#); [Hojem, Randy -FS](#); [Jack Oelfke](#); [Jamie_Connell@blm.gov](#); [Jim Allen](#); [Jiron, Daniel -FS](#); [jkershner@usgs.gov](#); [Johnston, Eric -FS](#); [junsworth@idfg.idaho.gov](#); [kmcdonald@mt.gov](#); [Krueger, Faye L -FS](#); [Kym Hall](#); [Lorna Smith \(lorna@westernwildlife.org\)](#); [Lyons, Andrea L -FS](#); [Gustafson, Maribeth -FS](#); [mark_haroldson@usgs.gov](#); [Mary Gibson Scott \(mary_gibson_scott@nps.gov\)](#); [Matt Hogan](#); [mboyer@idfg.idaho.gov](#); [Michael Thabault](#); [michael_roy@fws.gov](#); [Mike_Stewart@blm.gov](#); [Rasure, Nora -FS](#); [Richard_Hotaling@blm.gov](#); [Lee, Robert -FS](#); [Ron.Bjorge@gov.ab.ca](#); [Sams, Jon E -FS](#); [Jackson, Scott -FS](#); [Scott Talbott \(scott.talbott@wyo.gov\)](#); [Sheridan Todd \(sheridan.todd@wyo.gov\)](#); [Steve Cain](#); [Steven_Ellis@blm.gov](#); [tammy_whittington@nps.gov](#); [Thornberry, Patricia -FS](#); [Tony.Hamilton@gov.bc.ca](#); [Vann, R E -FS](#); [Cadwallader,Dave \(dave.cadwallader@idfg.idaho.gov\)](#); [Farnsworth, Mary -FS](#); [gbertellotti@mt.gov](#)
Subject: RE: NOA published in the Federal Register on proposed changes to Yellowstone area demographic criteria
Date: Thursday, March 21, 2013 2:45:51 PM

To give you a concise statement of what this is about, here is a summary:

This is a proposed revision to demographic criteria 1 and 3 in the Recovery Plan to reflect new scientific information and techniques on ways to monitor and manage a healthy grizzly bear population in the Yellowstone ecosystem. These changes are based on the results of a recent demographic review by the Interagency Grizzly Bear Study Team. Their analyses examined population data collected from 2002-2011 to explore any changes that may have occurred since their previous analyses using data from 1983-2002. We propose to add the application of these new scientific results to the grizzly bear monitoring and management systems in the Yellowstone ecosystem.

We are proposing to update portions of Demographic Recovery Criteria 1 and 3 for the Yellowstone grizzly bear population based on new scientific analyses and information. Since these criteria were last updated, new approaches and scientific protocols have been developed. These proposed updates are:

- Update Criterion 1 to reflect the demographic goal of maintaining a minimum population size of 500 animals and at least 48 females with cubs. We also propose to eliminate the**

criterion's dependence on a specific method (e.g., Chao2) so that we can rapidly implement improved scientific methods as they become available in the peer reviewed literature. This approach will allow us to be more nimble in applying new and improved scientific methodology as they become available. Methods used to estimate population size will be documented and detailed in the Application Protocol posted on the Interagency Grizzly Bear Study Team's website.

- Update Demographic Criterion 3 to require sustainable mortality rates (i.e., rates that will avoid population declines). Instead of specifying what the sustainable mortality rates for independent females (at least 2 years old), independent males, and dependent young (<2 years old) are, these rates would be calculated by the Study Team and modified as new data indicates warranted. In order to demonstrate how this will be objective and measurable, we note that as of 2012, the sustainable mortality limit for independent females is 7.6% while the limits for independent males and dependent young are 15% and 7.6%, respectively.**
- Designate a Monitoring Area within which all demographic criteria are assessed. This requires us to revise the area within which mortalities are counted against the mortality limits for independent females and males and dependent young so the area where population size is estimated is the same area where mortalities are counted. This means we would no longer count mortalities of bears in areas outside this Monitoring Area against sustainable mortality limits, and, conversely, we would not count bears observed outside this Monitoring Area toward our estimates of population size.**

After receiving and considering public comments and peer review, the final criteria would replace the current Demographic Criteria and would be appended to the Yellowstone chapter of the Grizzly Bear Recovery Plan (U.S. Fish and Wildlife Service 1993) and the Final Conservation Strategy for the Grizzly Bear in the Greater

Yellowstone Area.

Chris

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"If there are no dogs in heaven, then when I die I want to go where they went." - Will Rogers

From: Davis, Ellen -FS [mailto:edavis@fs.fed.us]
Sent: Thursday, March 21, 2013 11:24 AM
To: Losinski, Gregg (gregg.losinski@idfg.idaho.gov); vcrowser@mt.gov; Jennifer Bruns; McFaddan, Linda L -FS; kannis@mt.gov; douglas_zimmer@fws.gov; Alec.Dale@gov.bc.ca; Alexander, Joseph G -FS; Andrew C White; Bailey, Paula J -FS; bakernrb@dfw.wa.gov; Boehlke, Shanon M -FS; Bonnie.Scott@pc.gc.ca; Bradford, Paul -FS; Brian Kelly; Brian Nesvik; chip_jenkins@nps.gov; Servheen, Chris; csmithwmi@msn.com; Connaughton, Kent -FS; dave.brittell@dfw.wa.gov; Dave.McDonough@pc.gc.ca; Davis, Ellen -FS; Debbie_Schreiner@fws.gov; DeGayner, Eugene J -FS; Ferebee, Brian -FS; Finley, Marlene -FS; Frank van Manen; George.Hamilton@gov.ab.ca; Gregg Losinski (glosinski@idfg.idaho.gov); Harv Forsgren (hlforsgren@aol.com); Heath, Becki L -FS; Hojem, Randy -FS; Jack Oelfke; Jamie_Connell@blm.gov; Jim Allen; Jiron, Daniel -FS; jkershner@usgs.gov; Johnston, Eric -FS; junsworth@idfg.idaho.gov; kmcdonald@mt.gov; Krueger, Faye L -FS; Kym Hall; Lorna Smith (lorna@westernwildlife.org); Lyons, Andrea L -FS; Gustafson, Maribeth -FS; mark_haroldson@usgs.gov; Mary Gibson Scott (mary_gibson_scott@nps.gov); Matt Hogan; mboyer@idfg.idaho.gov; Michael Thabault; michael_roy@fws.gov; Mike_Stewart@blm.gov; Rasure, Nora -FS; Richard_Hotaling@blm.gov; Lee, Robert -FS; Ron.Bjorge@gov.ab.ca; Sams, Jon E -FS; Jackson, Scott -FS; Scott Talbott (scott.talbott@wyo.gov); Sheridan Todd (sheridan.todd@wyo.gov); Steve Cain; Steven_Ellis@blm.gov; tammy_whittington@nps.gov; Thornberry, Patricia -FS; Tony.Hamilton@gov.bc.ca; Vann, R E -FS; Cadwallader, Dave (dave.cadwallader@idfg.idaho.gov); Farnsworth, Mary -FS; gbertellotti@mt.gov
Subject: FW: NOA published in the Federal Register on proposed changes to Yellowstone area demographic criteria

Hi all! See message and link below from Chris Servheen regarding the Federal Register Notice of Availability on proposed changes to Yellowstone demographic criteria. Ellen

Ellen L. Davis, Executive Coordinator
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*Be who you are and say what you feel,
because those who mind don't matter
and those who matter don't mind - Dr. Seuss*

From: Servheen, Chris [<mailto:grizz@umontana.edu>]
Sent: Thursday, March 21, 2013 11:15 AM
To: Davis, Ellen -FS
Subject: NOA published in the Federal Register on proposed changes to Yellowstone area demographic criteria

Ellen,
Please send this to IGBC members for me.
Thx,
c

IGBC members:

The Notice of Availability for the proposed changes in the demographic criteria for the grizzly bear population in the Greater Yellowstone Area is now posted on this website:

<http://www.fws.gov/mountain-prairie/species/mammals/grizzly/yellowstoneindex.html>

The public comment period is open until May, 21, 2013.

These proposed changes were developed through a cooperative interagency effort with Yellowstone ecosystem partner agencies.

Chris

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