

**From:** Fortin-Noreus, Jennifer  
**To:** [van Manen, Frank](#)  
**Subject:** RE: Edits and responses  
**Date:** Sunday, August 21, 2016 2:54:41 PM

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Thanks Frank!

I found a few more items that the RO accidentally put under the wrong topic but should be under Issue 13. They are as follows, if you would please add them to the previous edits/comments you sent I would greatly appreciate it.

1) Increased population trend due to biases from increased search effort (i.e. number of hours flown) and sightability (increased use and flights of moth sites). Search effort doubled even if standardized to grizzly bear distribution. Increased FCOY mirror increased search time and moths site use.

2) Given the low end of the 2015 population estimate of 642 bears and the loss of up to 90 bears in 2015 (59 deaths plus unrecorded deaths which could be another 30 bears), the current population estimate could be as low as 552 bears (Thuermer 2015).

3) Survival rates have changed and the population estimate may be “higher” when adjusted for the higher number of males and slightly lower number of females (see Haroldson and van Manen 2014). Which is correct? This exhibits the high uncertainty in the monitoring of this population.

Thank you! Please let me know if you have any questions.

Jennifer

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**From:** van Manen, Frank [[fvanmanen@usgs.gov](mailto:fvanmanen@usgs.gov)]  
**Sent:** Friday, August 19, 2016 5:08 PM  
**To:** Fortin-Noreus, Jennifer  
**Cc:** Mark A Haroldson  
**Subject:** Edits and responses

Hey Jen,

Here are our edits and responses. We tried to be as thorough as possible. Let us know if you have any questions or need further clarification.

I did not get to Appendix C, will start on that next week.

Have a good weekend!

Frank