

From: [Shauna Ginger](#)
To: [Lee Corum](#)
Subject: RE: Review of TNC Exhibit for Barrick BEA
Date: Friday, December 19, 2014 3:27:23 PM

Well said!

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Shauna Ginger
Ecosystem Services Biologist
USFWS Oregon Field Office
Portland, OR | 503-231-6949
Learn more about USFWS & Ecosystem Services [here](#)

From: Lee Corum [mailto:lee_corum@fws.gov]
Sent: Friday, December 19, 2014 1:06 PM
To: Michael Cameron; Ted Koch; Mary Grim; Jana Affonso; Shauna Ginger; Bill Upton; Patrick Malone; Sandi Snodgrass; Sandra K. Brewer; Gordon Toevs; Raul Morales
Cc: Edward Boling; Thomas Jensen
Subject: Review of TNC Exhibit for Barrick BEA

Hello all,

Thanks again to all of you for taking the time to talk about the TNC methodology on Monday, the conversation was very helpful. At this point, I don't think there are major revisions needed on the exhibit, but there are a few things that we would like some more clarity on.

- Calculation of functional acres – Some of the factors that are used to calculate habitat suitability and, ultimately, per capita population growth rate are mentioned in the text, others are not. It would be helpful if we could see all the factors that are used (including how indirect effects are applied) and how those factors relate to each other. If possible, hypothetical examples would be great to help us understand the methods. I don't think examples are necessary in the text of the exhibit, but they could be helpful as we brief others on the methodology/agreement.
- Modeled disturbance – Since the disturbances that are included in the TNC model define what is treated as a force majeure event in the BEA, it would be helpful to see how and what disturbances are included in the model.
- Timing of credits – I understand that functional acres, and therefore credits, take into account habitat quality and quantity, but I'm still having some trouble on the temporal piece of crediting. Hypothetical examples that compare debit and credits including a timeline could be really helpful. This is probably an issue that needs to be clarified in the main text of the BEA, I'm bringing it up here because the outputs of the TNC model need to support the accounting of credits and debits over time.

I hope that was all clear, I will be in the office Tuesday and Wednesday next week if I need to take another shot at putting these thoughts into English.

Lee

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Lee Z. Corum
Fish and Wildlife Biologist

U.S. Fish & Wildlife Service

lee_corum@fws.gov

775-861-6352