

Miller, Sara E (DFG)

From: Buck, Gregory B (DFG)
Sent: Monday, October 15, 2018 9:04 AM
To: Dressel, Sherri C (DFG)
Cc: Miller, Sara E (DFG); Sands, Tim M (DFG)
Subject: RE: Togiak data questions and survey ranking

Sherri,

Some answers to your Qs below. I'm trying to finalize our brood table reconstruction run right now but will hopefully have a couple of days breathing room later this week or early next if you want a quick phone call.

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From: Dressel, Sherri C (DFG)
Sent: Friday, October 12, 2018 4:48 PM
To: Buck, Gregory B (DFG) <gregory.buck@alaska.gov>
Cc: Terry, Mariel P (DFG) <mariel.terry@alaska.gov>; Miller, Sara E (DFG) <sara.miller@alaska.gov>; Sands, Tim M (DFG) <tim.sands@alaska.gov>
Subject: Togiak data questions and survey ranking

Hi Greg (and Tim if it comes into your realm),

A few questions for you:

- If the peak survey was on 5/2, why is the harvest from 5/1 and 5/2 included in the post-peak group? **It isn't. I used PS groups 1-5 (through 5/1) to characterize the peak biomass and group 6 (5/2) for the post-season survey. I suppose we could use PS groups 1-6 to characterize the peak and re-use group 6 for post-season survey. I don't think it would make much difference but you could try it. The problem we have this year is that PS fishing ended on the same day we recorded peak and we don't get a look at the population after that. There has always been a bit of a mismatch between harvest effort being skewed towards the front end of the run but I don't think we've had it this bad before.**
- Harvest data for the model are in the harvest file attached. Please review and let us know if there are any changes needed. The source of the data for each year is shown. We updated the 2016 value to be what Katie gave us for the Ecosystem Chapter. Do the 2016 and 2018 estimates include test fish and deadloss or do those need to be added? **Yes. No test fishing or deadloss.**
- I've updated the Herring survey evaluation file except for the "total days" (can't remember what that means) and the confidence score for weighting in the model. **Don't recall but the numbers look like the number of days between first & last survey but I'd have to confirm.**
- Can you remind me why we don't include the gillnet catch prior to the post season survey estimate in the aerial (mature) biomass estimate? I remember there is a logic for that but want to make sure I shouldn't add it in. **We never use gillnet harvest to characterize anything but the gillnet harvest---not to characterize the biomass as it is so size selective. We only use PS to characterize survey biomass.**

We are still working through the biomass file, but I think are getting close to having a handle on the data aside from the questions above. Sara is gone next Mon/Tues and I'm at meetings Tues/Wed. We should be able to give you an estimate

of when the modeling will be done when we are back together after that. We will put Togiak ahead of Sitka to get as close as we can to your 10/31 date.

Cheers,
Sherri

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