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**From:** Gray, Cindy <cgray@skokomish.org>  
**Sent:** Tuesday, May 4, 2021 4:18 PM  
**To:** James Dixon  
**Cc:** Dapp, Derek R (DFW); Mark Downen; Oliver Miler; Auerbach, Dan A (DFW); Gordon Rose; Baltzell, Mark E (DFW); Dave Herrera; Joseph Pavel; Herring, Chad J (DFW)  
**Subject:** Fwd: 2021 Biop language for NOAA regarding FRAM modeling error in NT Hoodspport seine  
**Attachments:** Verbiage for James Dixon.docx

Hi James,

Sorry for the delayed response but I finally received co-manager concurrence for the language you requested for 2021 BiOp completion in "that the co-managers provide a concise email regarding the difference in Skokomish Chinook ER from correcting the 2016 All Citizens Hoodspport Fishery input in the round 6.2 postseason FRAM runs", below and attached is that language for your consideration. Please let us know if this is sufficient or more information is needed, thank you again for your patience.

*"In the first attempt at the 2018 postseason FRAM modeling exercise, the All Citizens commercial Chinook beach seine fishery in the Hoodspport (12H) hatchery zone was incorrectly modeled in the broader area 12C. The effect of the error was to shift fishery impacts from the Hoodspport stock to the Skokomish River stocks. Correcting the error resulted in a reduction of Skokomish River natural origin Chinook total exploitation rate from 55.6% to 49.3%. The cause of this error is partly due to no specific 12H catch area for the All Citizens fisheries, which would require a change in the Washington Administrative Code (WAC). Therefore, when populating the catch inputs for the post-season runs the Hoodspport (12H) catch was listed as 12C in TOCAS and WAFT. However, the only All Citizens beach seine fishery from 2016 in 12C occurred in the Hoodspport (12H) hatchery zone. Regional staff caught the error and the 2016 postseason FRAM run was corrected. However, the older and incorrect version of the 2016 base period round 6.2 post-season run has not been replaced by all users of the information.*

*Preliminary postseason FRAM for 2017 and 2018 using BP7 indicate the Skokomish River Chinook ER is still on average meeting the 50% objective. The latest results from the FRAM base period round 7 (BP7) post-season runs for 2017 and 2018 include increases to the Model Stock Proportion (MSP) in the Treaty Ocean Troll Areas 3 & 4 and Non-Treaty Sport Areas 3 & 4 fisheries from "92.14% to 98.51%. The effect of this update to Ocean MSPs is higher impacts to Puget Sound Chinook stocks than were modeled during the pre-season planning process during NOF. Despite the increase in ocean fishery impacts, the Skokomish River Chinook ER using BP7 for 2017 and 2018 was 50.1% and 49.0%, respectively". Note that base period round 7 was used in the evaluation because 2017 and 2018 post-season runs are not available using base period round 6.2."*

Cindy Gray  
Finfish Program Manager  
Skokomish Tribe  
360-877-5213 ext. 2215  
360-490-8467 cell

----- Forwarded message -----

**From:** Gray, Cindy <cgray@skokomish.org>  
**Date:** Tue, May 4, 2021 at 3:45 PM  
**Subject:** Re: 2021 Biop language for NOAA regarding FRAM modeling error in NT Hoodspport seine  
**To:** Dapp, Derek R (DFW) <[Derek.Dapp@dfw.wa.gov](mailto:Derek.Dapp@dfw.wa.gov)>  
**Cc:** Downen, Mark R (DFW) <[Mark.Downen@dfw.wa.gov](mailto:Mark.Downen@dfw.wa.gov)>, Auerbach, Dan A (DFW) <[Daniel.Auerbach@dfw.wa.gov](mailto:Daniel.Auerbach@dfw.wa.gov)>, Oliver Miler <[omiler@nwifc.org](mailto:omiler@nwifc.org)>, Rose, Gordon <[grose@nwifc.org](mailto:grose@nwifc.org)>

Hi Derek,  
Thank you so much and I will definitely include your additional note!

Cindy Gray  
Finfish Program Manager  
Skokomish Tribe  
360-877-5213 ext. 2215  
360-490-8467 cell

On Tue, May 4, 2021 at 3:30 PM Dapp, Derek R (DFW) <[Derek.Dapp@dfw.wa.gov](mailto:Derek.Dapp@dfw.wa.gov)> wrote:

Hi Cindy,

Apologies on the delay here. I only have one minor edit (in red text below) for your consideration. Thanks for your work on this text.

*"In the first attempt at the 2018 postseason FRAM modeling exercise, the All Citizens commercial Chinook beach seine fishery in the Hoodsport (12H) hatchery zone was incorrectly modeled in the broader area 12C. The effect of the error was to shift fishery impacts from the Hoodsport stock to the Skokomish River stocks. Correcting the error resulted in a reduction of Skokomish River natural origin Chinook total exploitation rate from 55.6% to 49.3%. The cause of this error is partly due to no specific 12H catch area for the All Citizens fisheries, which would require a change in the Washington Administrative Code (WAC). Therefore, when populating the catch inputs for the post-season runs the Hoodsport (12H) catch was listed as 12C in TOCAS and WAFT. However, the only All Citizens beach seine fishery from 2016 in 12C occurred in the Hoodsport (12H) hatchery zone. Regional staff caught the error and the 2016 postseason FRAM run was corrected. However, the older and incorrect version of the 2016 base period round 6.2 postseason run has not been replaced by all users of the information.*

*Preliminary postseason FRAM for 2017 and 2018 using BP7 indicate the Skokomish River Chinook ER is still on average meeting the 50% objective. The latest results from the FRAM base period round 7 (BP7) postseason runs for 2017 and 2018 include increases to the Model Stock Proportion (MSP) in the Treaty Ocean Troll Areas 3 & 4 and Non-Treaty Sport Areas 3 & 4 fisheries from "92.14% to 98.51%. The effect of this update to Ocean MSPs is higher impacts to Puget Sound Chinook stocks than were modeled during the preseason planning process during NOF. Despite the increase in ocean fishery impacts, the Skokomish River Chinook ER using BP7 for 2017 and 2018 was 50.1% and 49.0%, respectively. **Note that base period round 7 was used in the evaluation because 2017 and 2018 post-season runs are not available using base period round 6.2.**"*