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**From:** James Dixon - NOAA Federal <james.dixon@noaa.gov>  
**Sent:** Thursday, April 15, 2021 10:38 AM  
**To:** Ben A. Starkhouse  
**Cc:** Devin Flawd; Mark Nelson; Tom M. Chance; Susan Bishop - NOAA Federal  
**Subject:** Re: Nooksack Chinook radio telemetry  
**Attachments:** 2021 Nooksack early MOs April 13\_jdedits.docx

Ben,

Thanks for sharing the draft language describing the Nooksack terminal fishery and the cwt-recovery in harvest info. I have added some proposed edits to the attached doc.

I think there are two areas to discuss:

One is the request for a shift away from the June structure we have had, where Lummi requests (early June) to extend the fishery past June 15th with the directive to provide NOAA with a request and supporting information. As I indicated during our discussion, this seems like a reasonable change to the annual process, given the prior performance of the fishery pre and post- June 15th and the scale of the fishery post June 15th. However, I did indicate that we should still check-in later in June (2nd or 3rd week) to confirm the 2021 post June 15th fishery would still be at the "scale" that it has been in recent years (small % of total impacts remaining). It does look like you have indicated a check-in for June 21 in the writeup. I would like the check-in to happen by the 18th. I think that a general review of recent year (2019) escapements, status of the ongoing fishery - the impacts accrued to that point, catch estimates of HORs, and the remaining impacts would suffice for this check-in (see my edits).

The second issue is the proposed fishery extension into July, should there be remaining impacts, and the resulting proposed mgmt period running from April through July. This is concerning as we have not discussed any specifics of what a fishery moving into July would look like and I am uncomfortable with the "base" mgmt period expanding through July, at this point. We are open to having discussions, if the need should arise, but these discussions need to be informed by the results of the telemetry work, which might inform the shaping of the fishery, in area and time that might minimize the impacts to the SF NOR fish. I am suggesting that the spring mgmt period be limited to April-June 30 for 2021 (see my edits).

Please let me know if you want to have any further discussion on these issues.

Thank you,

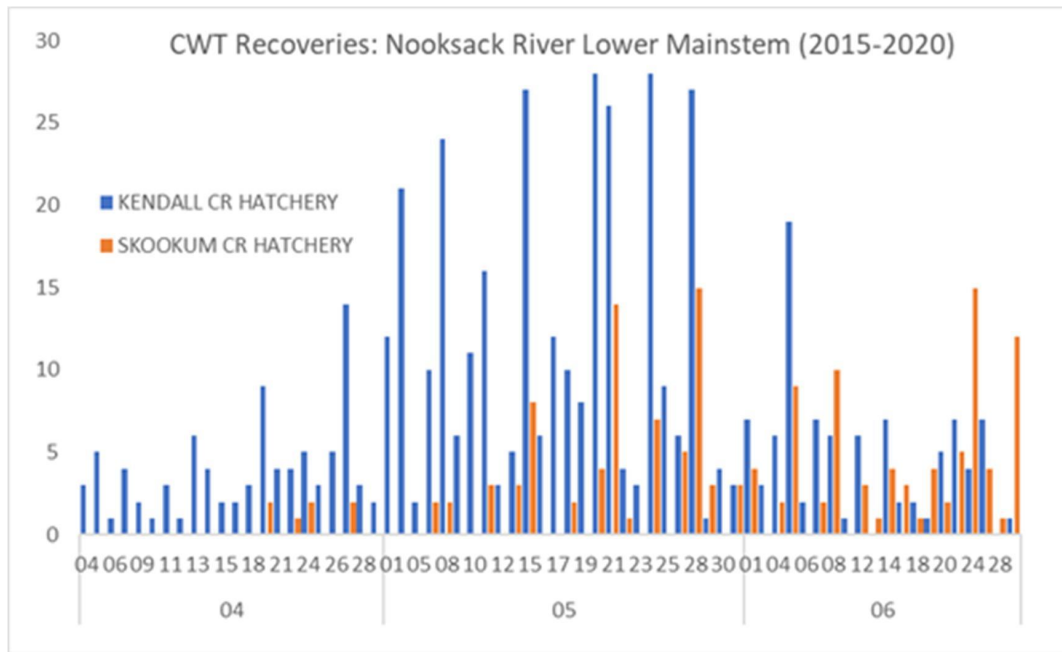
On Wed, Apr 14, 2021 at 10:30 AM Ben A. Starkhouse <[BenS@lummi-nsn.gov](mailto:BenS@lummi-nsn.gov)> wrote:

James,

CWT recoveries from Lummi's tangle net fishery may be the best source of data to show a temporal delineation between NM/MF (Kendall) and SF (Skookum) Chinook. The figure below shows the total number of CWTs recovered in the tangle net fishery between 2015-2020.

By supplemental plan language do you mean the attached? Yes, please look it over. The paragraph describing non-tribal fisheries has not been updated with 2021 language. I added a paragraph describing the Lummi Bay fishery and changed the dates for the June "check-in".

Ben



Ben Starkhouse  
Fisheries Harvest Manager  
Lummi Natural Resources  
ph: 360-312-2300  
fax: 360-380-6989

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**From:** James Dixon - NOAA Federal <[james.dixon@noaa.gov](mailto:james.dixon@noaa.gov)>  
**Sent:** Monday, April 12, 2021 5:23 PM  
**To:** Ben A. Starkhouse <[BenS@lummi-nsn.gov](mailto:BenS@lummi-nsn.gov)>  
**Cc:** Devin Flawd <[DevinF@lummi-nsn.gov](mailto:DevinF@lummi-nsn.gov)>; Mark Nelson <[MarkN@lummi-nsn.gov](mailto:MarkN@lummi-nsn.gov)>  
**Subject:** Re: Nooksack Chinook radio telemetry

Ben, Devon,

Just making sure that I didn't miss anything related to the telemetry work? My email has been crammed lately so I have missed some things.

Also Ben, if you want to run any of the Nooksack supplemental plan language by me for this year, I'd be happy to look at it.

Thanks,

Thanks,

On Tue, Apr 6, 2021 at 11:19 AM James Dixon - NOAA Federal <[james.dixon@noaa.gov](mailto:james.dixon@noaa.gov)> wrote:

Thanks Ben,

Hi Devon,

We are mostly interested in whether there are any clear temporal delineation of the NF/MF fish and the SF fish, based on encounters in the research fishery? Additionally, if there were any significant differences between the hatchery and natural-origin fish from either population?

Happy to chat if you need any clarity on the questions.

Thanks,

On Tue, Apr 6, 2021 at 11:12 AM Ben A. Starkhouse <[BenS@lummi-nsn.gov](mailto:BenS@lummi-nsn.gov)> wrote:

James,

The radio telemetry research was overseen by Devin (cc'd), Lummi's stock assessment manager. Devin is still developing the presentation, which will be given April 29 at 11am, but would be happy to answer questions you might have in the meantime.

Ben

Ben Starkhouse  
Fisheries Harvest Manager  
Lummi Natural Resources  
ph: 360-312-2300  
fax: 360-380-6989

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James Dixon  
Sustainable Fisheries Division  
NOAA Fisheries West Coast Region  
360-522-3673  
[james.dixon@noaa.gov](mailto:james.dixon@noaa.gov)

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James Dixon  
Sustainable Fisheries Division  
NOAA Fisheries West Coast Region  
360-522-3673  
[james.dixon@noaa.gov](mailto:james.dixon@noaa.gov)

\*\* This email has been received from outside the Lummi Indian Business Council – Think before clicking

on links, opening attachments, or responding. \*\*

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James Dixon  
Sustainable Fisheries Division  
NOAA Fisheries West Coast Region  
360-522-3673  
[james.dixon@noaa.gov](mailto:james.dixon@noaa.gov)