
From: James Dixon - NOAA Federal <james.dixon@noaa.gov>
Sent: Tuesday, April 6, 2021 10:21 AM
To: Ben A. Starkhouse
Cc: Mark Nelson
Subject: Re: Nooksack

Thanks Ben, I'll set up a call for 1:00 and send it to you and Mark.

On Tue, Apr 6, 2021 at 10:19 AM Ben A. Starkhouse <BenS@lummi-nsn.gov> wrote:
James,

I have another call scheduled for 1:30 that will likely go to 3 or 3:30. I'm available anytime before 1:30 if that works for you.

I'll see where things are at with the radio tag presentation. I'm not involved in preparing or presenting it.

Ben

Ben Starkhouse
Fisheries Harvest Manager
Lummi Natural Resources
ph: 360-312-2300
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From: James Dixon - NOAA Federal <james.dixon@noaa.gov>
Sent: Tuesday, April 6, 2021 10:16 AM
To: Ben A. Starkhouse <BenS@lummi-nsn.gov>
Cc: Mark Nelson <MarkN@lummi-nsn.gov>
Subject: Re: Nooksack

Thanks Ben,

Would you have time to discuss more this afternoon? If so, let me know a good time and I'll set up a call.

Additionally, could you send the draft telemetry power point you had mentioned?

Thanks,

On Mon, Apr 5, 2021 at 11:07 AM Ben A. Starkhouse <BenS@lummi-nsn.gov> wrote:
James,

Thanks for the reply.

Would a research study that's primary objective is to determine stock composition in a specific area be considered stock assessment research? I guess in my mind it does. Does it also inform fisheries management? It certainly does.

Just so we're clear, for 2021 we wouldn't plan to schedule or fish regular fisheries in zone 3 because there is considerable uncertainty about the stock composition. We would only fish the research fishery in zone 3, get samples analyzed at the end of the season, write up a short report and based on the results decide how we want to structure and model fisheries in Lummi Bay in the future. Was that already your understanding of what was being proposed? If so, then I guess we'll give some more thought to how we might design a study that has broader applicability to stock assessment.

Ben

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From: James Dixon - NOAA Federal <james.dixon@noaa.gov>

Sent: Monday, April 5, 2021 10:31 AM

To: Ben A. Starkhouse <BenS@lummi-nsn.gov>

Subject: Re: Nooksack

Thanks Ben,

I thought it was a good discussion as well.

I reviewed the Monitoring and Assessment section of the draft RMP (section 7). From the description of the project you were proposing for the zone 3 area of Lummi Bay, it sounds like it would be more aligned with a test fishery scenario, in that it would more directly inform harvest mgmt decisions as opposed to stock assessment. I am certainly open to reviewing a more detailed proposal but that is my initial assessment--that it doesn't seem to meet the scope for research.

Please let me know if you have any further questions.

Thanks,

On Mon, Apr 5, 2021 at 8:51 AM Ben A. Starkhouse <BenS@lummi-nsn.gov> wrote:

Hey James,

Nice chatting with you last week. I think we covered some good ground.

Have you gotten a chance to give further consideration to the proposed stock composition research for the outer portion of Lummi Bay (zone 3)?

Thanks,

Ben

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From: James Dixon - NOAA Federal <james.dixon@noaa.gov>
Sent: Tuesday, March 30, 2021 9:32 AM
To: Ben A. Starkhouse <BenS@lummi-nsn.gov>
Subject: Re: Nooksack

Thanks Ben,

That would be great. I have a pretty open afternoon tomorrow, if that would work for you and GI?

Let me know,

On Tue, Mar 30, 2021 at 9:30 AM Ben A. Starkhouse <BenS@lummi-nsn.gov> wrote:

Hey James,

Thanks for the reminder. Do you want to schedule a quick call for sometime this week? We can touch base on Lummi's request to fish past mid-June in the river, the 2019 preliminary escapement estimates and the proposed Lummi Bay fishery.

Let me know if there is a day and time that work for you.

I'll probably have G.I. join the discussion as well.

Ben

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From: James Dixon - NOAA Federal <james.dixon@noaa.gov>
Sent: Monday, March 29, 2021 5:21 PM
To: Ben A. Starkhouse <BenS@lummi-nsn.gov>
Subject: Re: Nooksack

Hi Ben,

Just keeping this on our radar so we can try and get it lined up pre-season.

Thanks,

On Fri, Mar 19, 2021 at 11:52 AM James Dixon - NOAA Federal <james.dixon@noaa.gov> wrote:
Ben,

I would appreciate seeing the telemetry results presentation.

Additionally, any preliminary escapement estimates for the 2019 run would be helpful.

Thank you,

On Wed, Mar 17, 2021 at 10:05 AM James Dixon - NOAA Federal <james.dixon@noaa.gov> wrote:
Good morning Ben and thank you for introducing Mark,

I appreciate you reaching out on this early and giving us time to consider a different approach for this year's fishery. Very interested in how the initial bay fishery goes this year. Even though I understand you are not expecting a lot of fish to return from the bay releases this year, I hope that the fishers can explore the fishery for timing, tides, and drifts in anticipation of the larger returns to come in future years.

We greatly appreciate all of the work that the Lummi NR staff and fishers have contributed over these years of telemetry work and we are very interested in seeing the results of the timing and composition data collected. We also do recognize the significant contribution the SF Nooksack conservation program has made to the overall adult abundance and to the spawning productivity out of the system.

Please give us a couple days to consider the proposal to shift away from the annual, mid-June check-in structure.

I'll get back to you as soon as possible and we can schedule a follow-up, if necessary.

Thank you,

On Tue, Mar 16, 2021 at 9:39 AM Ben A. Starkhouse <BenS@lummi-nsn.gov> wrote:
Hi James,

I hope you're doing well.

I wanted to do a quick introduction to Mark Nelson (cc'd), Lummi's new fish bio. Mark will be involved in all things salmon.

I just wanted to check in with you as we begin our NoF process. At this time, we're not planning on conducting the radio tag study this year. We collected a lot of good data the last couple of years and are working on the analysis and writing. Our stock assessment manager (Devin Flawd) is planning to present some of this work at the upcoming Salmon Recovery Conference (April 28-30). I can forward you the info if you're interested in viewing his presentation.

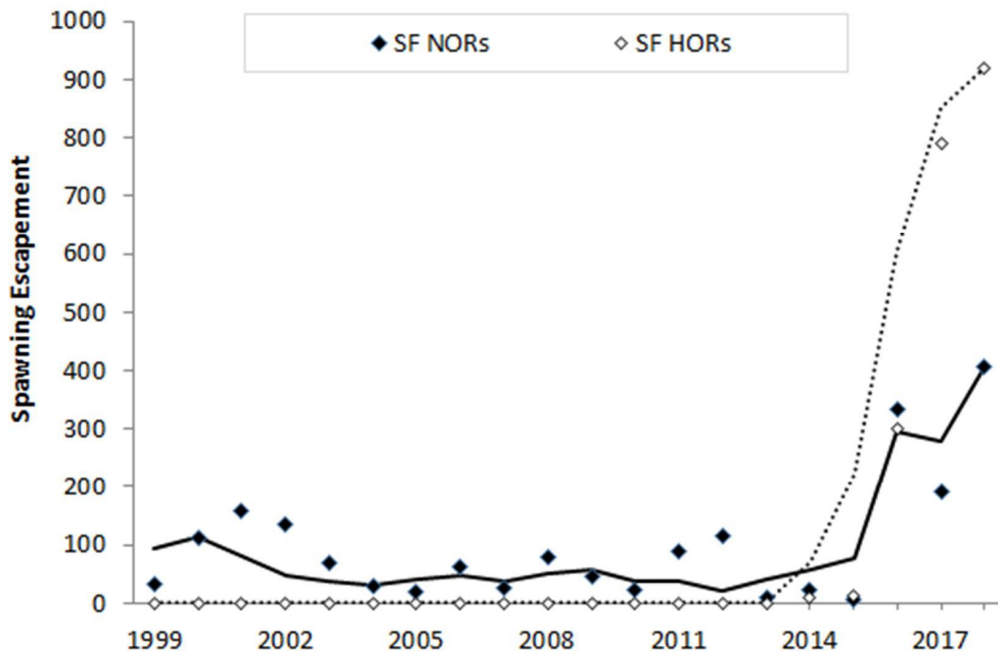
For 2021 we'll continue our tangle net fishery (run by LNR staff and contracted fishers) and plan to have a couple of short subsistence fisheries open to permitted Lummi fishers. Similar to previous years, we're planning to begin our tangle net fishery in mid-April (prior to NOAA approving the 2021-22 fishing package). All unmarked fish encountered in the tangle net fishery will be released with a jaw tag. All marked fish will be retained for C&S use. During subsistence fisheries open to permitted Lummi fishers, all fish (marked and unmarked) will be retained with 100% sampling.

We are again looking for NOAA's approval to continue the in-river tangle net fishery past mid-June, through the end of July. In previous years, NOAA has been concerned about fishing past mid-June because of the impact on SF NORs and has required an in-season check in. At what point does this restriction ease up? Through the success of the Skookum program, the number of SF fish spawning in the wild has grown significantly since 2014 (see figure below). We're willing to put a pre-season cap on the number of NORs encounter/killed later than mid-June. For example, if Lummi's Nooksack spring chinook NOR limit is 30 fish we might include language in the LOAF that limits Lummi to 4 NORs killed between mid-June and the end of July. We're just looking for a bit more flexibility without having to check in and get permission every year. Given the growth of the SF NOR population, can we work something out pre-season that will allow Lummi to target a limited number of NORs after mid-June?

As I mentioned in a previous email to you, Lummi is also planning a commercial fishery in a portion of Lummi Bay (Area 7D) starting as early as late April, if possible. This fishery will target hatchery fish returning to the Lummi Bay salmon hatchery. We're not expecting a whole lot of fish to return this year, but we're aiming to have 100% sampling on this fishery. The NWIFC and WDFW chinook modelers have incorporated this fishery into the fishery model for 2021 planning. Lummi will manage their in-river and Lummi Bay fisheries so as not to exceed their pre-season limit on NORs.

Thanks for your time. We'd be willing to set up a quick call to talk through some of these issues if you prefer that over emailing.

Ben



Spawning escapement for SF NORs and HORs. Point estimates and 3-year geometric mean.

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