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**From:** Jason Schaffler <Jason.Schaffler@muckleshoot.nsn.us>  
**Sent:** Tuesday, April 13, 2021 11:02 AM  
**To:** James Dixon - NOAA Federal  
**Cc:** Eric Warner; Christina Iverson - NOAA Federal; Jillian Howard  
**Subject:** RE: 2021-22 Lake WA warmwater research

I will include this table in our LOAF submission. Thanks!

Jason

**From:** James Dixon - NOAA Federal <james.dixon@noaa.gov>  
**Sent:** Tuesday, April 13, 2021 11:00 AM  
**To:** Jason Schaffler <Jason.Schaffler@muckleshoot.nsn.us>  
**Cc:** Eric Warner <Eric.Warner@muckleshoot.nsn.us>; Christina Iverson - NOAA Federal <christina.iverson@noaa.gov>; Jillian Howard <jillian.howard@muckleshoot.nsn.us>  
**Subject:** Re: 2021-22 Lake WA warmwater research

Jason,

Yes, thank you for the updated figure.

Please let us know if you have any additional questions.

On Tue, Apr 13, 2021 at 10:49 AM Jason Schaffler <[Jason.Schaffler@muckleshoot.nsn.us](mailto:Jason.Schaffler@muckleshoot.nsn.us)> wrote:

Thanks James,

I will update NOAAF with our Lake Sammamish encounters shortly.

As for mortalities/encounters, the pilot commercial fishery and Lake Sammamish electrofishing work will not be impacted by mesh changes. For the Lake Washington test fishery, 2.5 inch mesh will not capture juvenile Chinook or steelhead. There could be an increased probability of encountering and taking unmarked subadult Chinook (residual blackmouth). Can we increase this category from 5 to 6 to account for this slightly increased probability of encountering unmarked chinook subadults? I have included this proposed change below.

Jason

**From:** James Dixon - NOAA Federal <[james.dixon@noaa.gov](mailto:james.dixon@noaa.gov)>  
**Sent:** Tuesday, April 13, 2021 10:36 AM  
**To:** Jason Schaffler <[Jason.Schaffler@muckleshoot.nsn.us](mailto:Jason.Schaffler@muckleshoot.nsn.us)>

Cc: Eric Warner <[Eric.Warner@muckleshoot.nsn.us](mailto:Eric.Warner@muckleshoot.nsn.us)>; Christina Iverson - NOAA Federal <[christina.iverson@noaa.gov](mailto:christina.iverson@noaa.gov)>  
 Subject: 2021-22 Lake WA warmwater research

Good morning Jason,

Thanks for reaching out regarding the potential new, smaller mesh size for your warm water work this next year. I spoke with Christina regarding the levels of encounters we've seen in the reporting from this work the last few years and the level of take that has been provided for the work, by species and life-stage (table from last years biop-incidentals mortalities):

<b>MIT Warm Water predator removal component</b>	unmarked Chinook juveniles	Unmarked Chinook sub-adults	Unmarked Chinook adults	Unmarked Steelhead juveniles	Unmarked Steelhead Adults
Lake WA test fishery cont.	0	<del>5</del> 6	5	0	3
Pilot Commercial fishery	0	8		0	
Sammamish Electrofishing	7	0	0	3	0
<b>Total</b>	<b>7</b>	<b>13</b>	<b>5</b>	<b>3</b>	<b>3</b>

Unless you think there may be the potential for additional encounters, based on the mesh-size change, for any of these species/stage categories, I would conclude that the current levels of allowable take should be sufficient.

On the question of the reporting of the Lake Sammamish electrofishing work, yes we need to receive reporting from that work, as it relates to the limits listed in the above table. As always, the additional information on the overall catch of target species also helps us with information requests.

Speaking of requests for information, as you know we often get inquiries about this work from the public. Christina has been working to develop a "web story" for our regional website, to help inform folks and have a place where we can refer people to. This would cover both the MIT and WDFW work in the system. Christina would like to share the draft of the writeup with the co-managers once ready, for your review and comment. Please look for that later this spring.

Thanks and please let us know if you have any additional questions.

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James Dixon  
Sustainable Fisheries Division

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