
From: Garwin Yip - NOAA Federal <garwin.yip@noaa.gov>
Sent: Friday, May 10, 2019 8:07 AM
To: Sarah Gallagher - NOAA Federal
Cc: Kristin Begun - NOAA Affiliate; Brittany Cunningham - NOAA Affiliate
Subject: Re: Update on Clear Creek Effects and attached latest version

Brittany and Kristin are familiar with the effects tables from the American River Division and East Side Division (respectively), so can help you out. They are essentially the same. Make sure the column headings are consistent with the other divisions. Also, the tables are summaries of the effects analysis, so make sure they are consistent with the text.

Best for you 3 to get on a call to coordinate so there aren't any gaps or duplication of efforts.

Thanks.

-Garwin-

Garwin Yip
Water Operations and Delta Consultations Branch Chief
NOAA Fisheries West Coast Region
U.S. Department of Commerce
California Central Valley Office
650 Capitol Mall, Suite 5-100
Sacramento, CA 95814
Office: 916-930-3611
Cell: 916-716-6558
FAX: 916-930-3629
www.westcoast.fisheries.noaa.gov



On Fri, May 10, 2019 at 7:50 AM Sarah Gallagher - NOAA Federal <sarah.gallagher@noaa.gov> wrote:
I finished updating and editing the I&S tables for species and critical habitat for Clear Creek Steelhead to make sure these tables would be consistent with ones for the effects (see attached). Working on finishing the same thing for spring-run.

So this would need to get truncated down (remove some columns) but not sure exactly what is different or the same for effects and I&S tables.

Garwin, advice?

Sarah Gallagher | Fish Biologist
NOAA Fisheries | [West Coast Region](#)

U.S. Department of Commerce
650 Capitol Mall, Suite 5-100, Sacramento, CA 95814
916-930-3712 | Sarah.Gallagher@noaa.gov

On Fri, May 10, 2019 at 7:24 AM Kristin Begun - NOAA Affiliate <kristin.begun@noaa.gov> wrote:
Hi Brittany,

Let me know if I can help out with this task today.

Thanks,
Kristin

Kristin Begun, Biologist
Water Operations and Delta Consultations Branch
NOAA Fisheries West Coast Region
Contractor with Lynker Technologies
kristin.begun@noaa.gov

On Thu, May 9, 2019 at 7:55 PM Brittany Cunningham - NOAA Affiliate <brittany.cunningham@noaa.gov> wrote:

Yes, I think I will be able to help with the effects section / tables tomorrow.

Brittany

On Thu, May 9, 2019 at 5:31 PM Garwin Yip - NOAA Federal <garwin.yip@noaa.gov> wrote:
Brittany—I know you have the ITS with Naseem, so I'm not sure you have the bandwidth, but if you do, can you help Sarah with the Clear Creek effects and effects tables? Rosalie needs to see a revised Clear Creek section before clearing. She only has tomorrow, though, with a huge workload, and her main comment regarding another review is to see the effects tables.

Kristin—cc to you in case Brittany is tied up and you can help.

Sent from my iPad

Begin forwarded message:

From: Sarah Gallagher - NOAA Federal <sarah.gallagher@noaa.gov>
Date: May 9, 2019 at 4:45:03 PM PDT
To: Garwin Yip - NOAA Federal <garwin.yip@noaa.gov>
Subject: Update on Clear Creek Effects and attached latest version

Here is the latest version of the Clear Creek effects, also updated on the R drive.

I have tried to address most of your comments, and Rosalie's too. Could use some help still making the conclusions for the sections. I don't feel like I have made a very good argument as to why the PA may change critical habitat.

Also, in regards to effects of channel maintenance flows: for the purpose of geomorphic benefit, that are not likely sufficient magnitude for channel shaping and floodplain inundation, but will provide some benefit to moving spawning gravel. They will also be

good for fish movement or temporary habitat. If that is not their intended purpose, we don't analyze? Regardless of purpose, we analyze the effects of the proposed action. We can comment that we don't think the PA component would meet the intended purpose, though. Same with spring attraction for geomorphic benefit? I thought the spring attraction flow was to attract spring-run into Clear Creek, not for geomorphic benefit. Regardless, we analyze the effects of the proposed action.

What I still need to DO: probably a few more comments in this draft that I missed, AND I effects summary tables. I put a place holder in with a short summary sentence similar to the American (not complete) in the attached draft. My plan tomorrow (or later this evening after dinner) is to take the I&S tables and make them match the effects section better, then use that version less the extra few columns to put into effects.

Sarah Gallagher | Fish Biologist

NOAA Fisheries | [West Coast Region](#)

U.S. Department of Commerce

650 Capitol Mall, Suite 5-100, Sacramento, CA 95814

916-930-3712 | Sarah.Gallagher@noaa.gov

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Brittany Cunningham

Natural Resource Specialist

Contractor with Lynker Technologies

NOAA Fisheries West Coast Region

[650 Capitol Mall, Suite 5-100](#)

[Sacramento, CA 95814](#)

Office: (916) 930-3606

brittany.cunningham@noaa.gov