From: Garwin Yip - NOAA Federal <garwin.yip@noaa.gov>

Sent: Tuesday, April 9, 2019 12:57 PM

To: Cathy Marcinkevage; Howard Brown; Barbara Byrne

Subject: Fwd: BA Support Material

Attachments: NMFS PROPOSED BA OUTLINE FORMAT.docx; ROCON model matrix (sum).pdf;

2018.11.01_Delta Science compilation for reinitiation effort_revised_FINAL.docx

Here's evidence that the newer science was transmitted to Reclamation.

-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



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

From: **Howard Brown - NOAA Federal** howard.brown@noaa.gov>

Date: Sun, Nov 4, 2018 at 8:35 AM Subject: BA Support Material

To: David Mooney dmmooney@usbr.gov, kharrison@usbr.gov>

Cc: Barajas, Federico < fbarajas@usbr.gov >, Maria Rea < maria.rea@noaa.gov >, Garwin Yip

<garwin.yip@noaa.gov>

Dave and Katrina.

We thought it might be helpful to share some materials with you that we believe would be helpful as you prepare the BA for LTO. Attached, please find the following:

- 1. A proposed outline for the BA that is consistent with the content and format of NMFS' West Coast Regional BiOp Template. If you are able to use this format, it would greatly contribute to the support the transition of certain sections of the BA into the BiOp.
- 2. A compilation of Delta Science that we think should be considered in developing the effects analysis. It's basically in an annotated form with key points summarized that capture the NMFS perspective on them. We can pull more science summaries together from the upper Sacramento and American River if you think it would be helpful, but we wanted to get this to you as quickly as possible.

3. A list of relevant models and the locations and species life stages that we believe they would apply to. They are not prioritized and there could certainly be some redundancy across applications, species and life stages, but we felt it would be a good starting point for us to have a conversation over.

We can only imagine that you are incredibly busy, but if there is any thing we can do to help out, please let us know. We can make ourselves available if you want to coordinate. Howard

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Howard L. Brown
Senior Policy Advisor
NOAA Fisheries, West Coast Region
U.S. Department of Commerce
(916) 930-3608
Howard.Brown@noaa.gov



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