

---

**From:** J. Stuart - NOAA Federal <j.stuart@noaa.gov>  
**Sent:** Thursday, July 19, 2018 1:49 PM  
**To:** Garwin Yip - NOAA Federal; Barbara Byrne - NOAA Federal; Douglas Hampton; Sarah Gallagher - NOAA Federal  
**Subject:** Re: ASAP: Newer science associated with interim actions

Here is a compilation of papers and reports that I have that are related to the Delta and our listed species. It is located on the share drive at: M: Water Ops & Delta Branch/JSS Folder/ New Science - ROC LTO. Most are from 2010 to the present but there are some older papers and reports that are relevant to the future consultation too.

On Tue, Jul 17, 2018 at 10:49 AM, Garwin Yip - NOAA Federal <[garwin.yip@noaa.gov](mailto:garwin.yip@noaa.gov)> wrote:  
Jeff,

Here's another reminder to send me ALL of your newer science associated with any of the proposed interim actions.

As discussed at the Branch meeting yesterday, it doesn't do any good for us to hold on to any of the newer science as our "opportunity" to critique and analyze Reclamation's proposal, but rather, sending them over ASAP (before it's too late) will give Reclamation the opportunity to propose something more aligned with what the newer science can support.

If the documents are too big to e-mail, please place them on the server and let me know the location.

-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](http://www.westcoast.fisheries.noaa.gov)



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

**From:** Garwin Yip - NOAA Federal <[garwin.yip@noaa.gov](mailto:garwin.yip@noaa.gov)>  
**Date:** Wed, Jun 20, 2018 at 9:13 AM  
**Subject:** Fwd: ROC Core Team - Draft Proposed Action  
**To:** Barbara Byrne <[barbara.byrne@noaa.gov](mailto:barbara.byrne@noaa.gov)>, Doug Hampton <[douglas.hampton@noaa.gov](mailto:douglas.hampton@noaa.gov)>, Jeff Stuart

<[j.stuart@noaa.gov](mailto:j.stuart@noaa.gov)>, Kristin McCleery - NOAA Affiliate <[kristin.mccleery@noaa.gov](mailto:kristin.mccleery@noaa.gov)>, Melanie Okoro - NOAA Federal <[Melanie.Okoro@noaa.gov](mailto:Melanie.Okoro@noaa.gov)>, Sarah Gallagher - NOAA Federal <[sarah.gallagher@noaa.gov](mailto:sarah.gallagher@noaa.gov)>

All,

Attached is the outline that I forwarded to you earlier. In that earlier version, the sections for "Proposed Action" under each of the near-term action types were blank and just placeholders. In the attached, they have been filled in with what Reclamation is proposing. I'm sure Reclamation included more in the attached than what was sent out earlier.

The action types that Reclamation are proposing pertain to:

- OMR reverse flows
- San Joaquin Inflow to Export Ratio
- Low Salinity Zone Management
- Transfer Window Expansion

If you have any expertise in any of the above, please review and provide comments, if any, in track changes. Feel free to offer alternatives that would work for us. Please also review the references section and see if anything is missing from the list that you have and should be included. **Jeff**, I've asked a few time about any additional science you have that pertains to the I:E ratio or any alternatives, and haven't heard back or gotten anything from you.

Now is the time to provide (me with) feedback back to Reclamation to hopefully stop the train or slow it down, so please make the review, comment, and science a priority.

Please reply to me and let me know if you will be reviewing, and if so, which sections.

Thanks for your attention to this.

-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](http://www.westcoast.fisheries.noaa.gov)



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

From: **Harrison, Katrina** <[kharrison@usbr.gov](mailto:kharrison@usbr.gov)>

Date: Tue, Jun 19, 2018 at 6:12 PM

Subject: ROC Core Team - Draft Proposed Action

To: "Messer, Dean@DWR" <[dean.messer@water.ca.gov](mailto:dean.messer@water.ca.gov)>, "Jacobs, Brooke@Wildlife" <[brooke.jacobs@wildlife.ca.gov](mailto:brooke.jacobs@wildlife.ca.gov)>, Kaylee Allen <[kaylee.allen@fws.gov](mailto:kaylee.allen@fws.gov)>, Jana Affonso <[jana\\_affonso@fws.gov](mailto:jana_affonso@fws.gov)>, Luke Davis <[ldavis@usbr.gov](mailto:ldavis@usbr.gov)>, Armin Halston <[ahalston@usbr.gov](mailto:ahalston@usbr.gov)>, Daniel Cordova <[dcordova@usbr.gov](mailto:dcordova@usbr.gov)>, "Chao, You Chen@DWR" <[youchen.chao@water.ca.gov](mailto:youchen.chao@water.ca.gov)>, "Cindy@DWR Messer" <[cindy.messer@water.ca.gov](mailto:cindy.messer@water.ca.gov)>, "Ford, John@DWR" <[john.ford2@water.ca.gov](mailto:john.ford2@water.ca.gov)>, "Wilkinson, Chris@DWR" <[christopher.wilkinson@water.ca.gov](mailto:christopher.wilkinson@water.ca.gov)>, Carolyn Bragg <[cbragg@usbr.gov](mailto:cbragg@usbr.gov)>, "Kuenster, Gail@DWR" <[gail.kuenster@water.ca.gov](mailto:gail.kuenster@water.ca.gov)>, "Spanglet, Harry@DWR" <[harry.spanglet@water.ca.gov](mailto:harry.spanglet@water.ca.gov)>, Kim Squires <[kim\\_squires@fws.gov](mailto:kim_squires@fws.gov)>, Katherine Sun <[katherine\\_sun@fws.gov](mailto:katherine_sun@fws.gov)>, Carl Wilcox <[carl.wilcox@wildlife.ca.gov](mailto:carl.wilcox@wildlife.ca.gov)>, Garwin Yip - NOAA Federal <[garwin.yip@noaa.gov](mailto:garwin.yip@noaa.gov)>, Russell Grimes <[rwgrimes@usbr.gov](mailto:rwgrimes@usbr.gov)>, "Pinero, Janice" <[jpinero@usbr.gov](mailto:jpinero@usbr.gov)>, "Kirkland, Marianne@DWR" <[marianne.kirkland@water.ca.gov](mailto:marianne.kirkland@water.ca.gov)>, "Allison, Anna@Wildlife" <[anna.allison@wildlife.ca.gov](mailto:anna.allison@wildlife.ca.gov)>, "Flahive, Kaitlin" <[kflahive@usbr.gov](mailto:kflahive@usbr.gov)>, Justin Ly <[justin.ly@noaa.gov](mailto:justin.ly@noaa.gov)>, Mario Manzo <[mmanzo@usbr.gov](mailto:mmanzo@usbr.gov)>, Michelle Banonis <[michelle.banonis@water.ca.gov](mailto:michelle.banonis@water.ca.gov)>, "McCalvin, Catherine@DWR" <[catherine.mccalvin@water.ca.gov](mailto:catherine.mccalvin@water.ca.gov)>, Patricia Idlof <[pidlof@usbr.gov](mailto:pidlof@usbr.gov)>, "Kundargi, Kenneth@Wildlife" <[kenneth.kundargi@wildlife.ca.gov](mailto:kenneth.kundargi@wildlife.ca.gov)>, David Mooney <[dmmooney@usbr.gov](mailto:dmmooney@usbr.gov)>, Benjamin Nelson <[bcnelson@usbr.gov](mailto:bcnelson@usbr.gov)>

Hello all -

Attached is our very DRAFT possible proposed action for the Near-term (formerly Track 1) aspect of the ROC on LTO.

We can discuss this in more detail at the Core Team meeting tomorrow in West Sacramento.

We would appreciate any comments you may have and, in particular, science we may have missed.

Thank you,

Katrina Harrison

On Fri, Jun 15, 2018 at 2:07 PM, Harrison, Katrina <[kharrison@usbr.gov](mailto:kharrison@usbr.gov)> wrote:

Hello all -

Attached is a draft agenda for the agency meeting we have next week. It is:

- Wednesday, June 20
- 10 am
- DWR: 3500 West Industrial Blvd, West Sacramento

We hope to send you the Proposed Action for Near-term actions early next week, so we can discuss it at this meeting.

Thank you,

Katrina Harrison  
Bay-Delta Office  
Bureau of Reclamation

Office: (916) 414-2425  
Cell: (916) 606-8793

--

Katrina Harrison  
Bay-Delta Office  
Bureau of Reclamation  
Office: (916) 414-2425  
Cell: (916) 606-8793

--

**Jeffrey S. Stuart, M.S.**  
*Fishery Biologist*

*NOAA Fisheries West Coast Region  
U.S. Department of Commerce  
California Central Valley Office  
650 Capitol Mall, Suite 5-100  
Sacramento, CA 95814-4706*

Office: 916-930-3607  
[J.Stuart@noaa.gov](mailto:J.Stuart@noaa.gov)



**Find us online**

[www.westcoast.fisheries.noaa.gov](http://www.westcoast.fisheries.noaa.gov)

