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**From:** Maria Rea - NOAA Federal <maria.rea@noaa.gov>  
**Sent:** Tuesday, June 19, 2018 11:52 AM  
**To:** Cathy Marcinkevage - NOAA Federal  
**Cc:** Garwin Yip; Barbara Byrne  
**Subject:** Re: ROC on LTO CSAMP Science Input?

I suggest a higher level response on what we have and have not reviewed and why, in addition to fine combing key sections. Please cc me on response, so I can make sure Federico sees it.

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On Tue, Jun 19, 2018 at 10:36 AM, Cathy Marcinkevage - NOAA Federal <[cathy.marcinkevage@noaa.gov](mailto:cathy.marcinkevage@noaa.gov)> wrote:

I have not been involved in any development of comments/contributions to this. I hadn't seen it until Bruce forwarded it just a few days ago.

Garwin, has this been tossed around in the ROC on LTO meeting world, and have we offered any revisions/contributions? Do we want to?

On Tue, Jun 19, 2018 at 10:34 AM, Maria Rea - NOAA Federal <[maria.rea@noaa.gov](mailto:maria.rea@noaa.gov)> wrote:

Have we developed comments on this existing and new science document? I think from discussions with reclamation that it would be important to weigh in with specific comments on the record on this document soon. That said, this strikes me as a significant effort. It looks like they may not have id'ed all information and their synopsis of studies may not be what we would expect. Your thoughts?

- Maria

Sent from my iPad

Begin forwarded message:

**From:** Bruce DiGennaro <[bruce@essexpartnership.com](mailto:bruce@essexpartnership.com)>

**Date:** June 15, 2018 at 1:41:36 PM PDT

**To:** Jennifer Pierre <[JPierre@swc.org](mailto:JPierre@swc.org)>, "[dmmooney@usbr.gov](mailto:dmmooney@usbr.gov)" <[dmmooney@usbr.gov](mailto:dmmooney@usbr.gov)>, "Allen, Kaylee" <[kaylee\\_allen@fws.gov](mailto:kaylee_allen@fws.gov)>, Maria Rea <[maria.rea@noaa.gov](mailto:maria.rea@noaa.gov)>, Frances Brewster <[FBrewster@valleywater.org](mailto:FBrewster@valleywater.org)>, "Stein, Russell@DWR" <[Russell.Stein@water.ca.gov](mailto:Russell.Stein@water.ca.gov)>, Steve Lindley <[steve.lindley@noaa.gov](mailto:steve.lindley@noaa.gov)>, Rene Henery <[RHenery@tu.org](mailto:RHenery@tu.org)>, Rainer Hoenicke <[Rainer.Hoenicke@deltacouncil.ca.gov](mailto:Rainer.Hoenicke@deltacouncil.ca.gov)>, Carl Wilcox <[Carl.Wilcox@wildlife.ca.gov](mailto:Carl.Wilcox@wildlife.ca.gov)>, "Culberson, Steve@DeltaCouncil" <[Steve.Culberson@deltacouncil.ca.gov](mailto:Steve.Culberson@deltacouncil.ca.gov)>, Samuel N Luoma <[snluoma@ucdavis.edu](mailto:snluoma@ucdavis.edu)>, "Michelle Banonis ([Michelle.Banonis@water.ca.gov](mailto:Michelle.Banonis@water.ca.gov))" <[Michelle.Banonis@water.ca.gov](mailto:Michelle.Banonis@water.ca.gov)>, "Deanna Sereno ([dsereno@ccwater.com](mailto:dsereno@ccwater.com))" <[dsereno@ccwater.com](mailto:dsereno@ccwater.com)>, "[Diane.Riddle@waterboards.ca.gov](mailto:Diane.Riddle@waterboards.ca.gov)" <[Diane.Riddle@waterboards.ca.gov](mailto:Diane.Riddle@waterboards.ca.gov)>  
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**Subject:** ROC on LTO CSAMP Science Input?

Dear CAMT,

Please see below and attached from Katrina.

We have a full agenda for next Tuesday's CAMT meeting, but I would like to work in a few minutes for this items to discuss if and how we can assist with the identification of relevant science.

Thanks,

Bruce

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**From:** Harrison, Katrina <[kharrison@usbr.gov](mailto:kharrison@usbr.gov)>  
**Sent:** Friday, June 01, 2018 3:52 PM  
**To:** Bruce DiGennaro <[bruce@essexpartnership.com](mailto:bruce@essexpartnership.com)>  
**Cc:** Joshua Israel <[jaisrael@usbr.gov](mailto:jaisrael@usbr.gov)>; David Mooney <[dmmooney@usbr.gov](mailto:dmmooney@usbr.gov)>  
**Subject:** ROC on LTO CSAMP Science Input?

Hello Bruce -

Reclamation has drafted an initial list and key conclusions from scientific studies and current science related to our possible near-term actions to improve water supply (formerly known as Track 1). It is attached, and I am wondering whether CSAMP has any additional science to add relevant to these topics. We'd like to discuss this with CSAMP at the June 19 meeting as well, but would appreciate sooner input if CSAMP members have science to add. Our current list of topics for near-term actions includes:

- Modifying the San Joaquin River I:E Ratio and encouraging transfers
- Modifications to OMR (WIIN Act 4003, WIIN Act 4002, and OMR Index)
- Modifications to Fall X2 (December requirement, Suisun Marsh Salinity Control Gate operations)
- Non-physical barriers (barrier at Georgiana Slough + encouraging migration to Sutter and Steamboat Sloughs)
- Salvage Efficiency (possible predation actions)

We would like to make sure that we have a comprehensive list of the studies / reports / science synthesis / journal articles relevant to these topics that make up the current state of the science. We will use this science to finalize our proposed action for near-term.

It would be great to get key additional studies by next Friday, June 8, but if not then we will take them as soon as folks can get them to us.

Thank you,

Katrina

Katrina Harrison

Bay-Delta Office

Bureau of Reclamation

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