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**From:** J. Stuart - NOAA Federal <j.stuart@noaa.gov>  
**Sent:** Wednesday, June 12, 2019 11:25 AM  
**To:** Barbara Byrne - NOAA Federal  
**Cc:** Howard Brown - NOAA Federal; Garwin Yip; Cathy Marcinkevage; Evan Sawyer - NOAA Affiliate; Sarah Gallagher - NOAA Federal; Brian Ellrott; Kristin McCleery - NOAA Affiliate; Joe Heublein - NOAA Federal; Dan Lawson - NOAA Federal; Maria Rea; Naseem Alston; Brittany Cunningham - NOAA Affiliate  
**Subject:** Re: NMFS Solutions List Actions

Thanks Barb. I did do a very high level assessment of the DCC repairs/ future ops in my DCC section, just two paragraphs. It is a programmatic framework since there was minimal detail provided. Also they suggested real time ops with nocturnal closures - but again no details to work with for an effects assessment. So maybe that's already done.

On Wed, Jun 12, 2019 at 10:43 AM Barbara Byrne - NOAA Federal <[barbara.byrne@noaa.gov](mailto:barbara.byrne@noaa.gov)> wrote:  
A few quick reactions from me:

I see just four items (green) that are clearly additional commitments (five if item #10, science support, is adopted) and two items (yellow) that are good actions but I think are already committed to in the PA or elsewhere so not sure if those are really additional. Other items are already in the PA or are process clarifications.

#1 -- LSNFH improvements = ADDITIONAL (supplemental effects analysis will generally be framework given lack of detail; will add confidence to LSNFH successful operations)

#2 -- Upper Sac rearing habitat improvements = in the original PA (no supplemental analysis needed)

#3 -- Shasta Reservoir Stratification mode = already under contract with Rec, so not additional?

#4 -- Yolo Bypass actions = Seems like this item may also not be additional since:

- "Tidal Habitat Restoration (Complete 8,000 acres from 2008 biological opinion)" was listed in the original PA as a programmatic element, and
- "Yolo Bypass Salmonid Habitat Restoration and Fish Passage Project" was included in the original PA as a "Not consulted on" conservation measure. Is Reclamation now consulting on it?

#5 -- DCC actions = ADDITIONAL (recent DCC ops already incorporated into Delta effects; DCC study and repair/replacement effects analysis will be very high-level framework given lack of detail)

#6 -- HOR scour hole and adjacent floodplain restoration = ADDITIONAL (effects analysis will be very high-level framework given lack of detail)

#7 -- TA and coordination = process clarification, not really anything new. (no supplemental analysis needed)

#8 -- Reclamation-proposed T&Cs = based on Mooney's response to Maria's request for the latest Rec T&C's, Rec isn't proposing any T&C's, just PA revisions (no supplemental analysis needed)

#9 -- Drought Plan = ADDITIONAL (effects analysis pending development/sharing of plan)

#10 -- Science support = Pending approval from Reclamation; ADDITIONAL if agreed to. (effects analysis will be very high-level framework given lack of detail)

On Tue, Jun 11, 2019 at 9:17 PM J. Stuart - NOAA Federal <[j.stuart@noaa.gov](mailto:j.stuart@noaa.gov)> wrote:  
Howard,

I have some comments regarding this document that need clarification. Please see attached document with my comments. Too little info to make an informed assessment regarding effects, even at a high level. If you have some additional insight, I'd appreciate your input.

Jeff

On Tue, Jun 11, 2019 at 7:29 PM Howard Brown - NOAA Federal <[howard.brown@noaa.gov](mailto:howard.brown@noaa.gov)> wrote:

Jeff and others,

I would encourage people to use the most efficient means possible for integrating these actions. Please do not take on an effort to re-write your analyses, but instead consider how you can add these actions as supplemental components.

Howard

On Tue, Jun 11, 2019 at 4:55 PM J. Stuart - NOAA Federal <[j.stuart@noaa.gov](mailto:j.stuart@noaa.gov)> wrote:

Thanks Howard (I think.....)

Jeff

On Tue, Jun 11, 2019 at 4:41 PM Howard Brown - NOAA Federal <[howard.brown@noaa.gov](mailto:howard.brown@noaa.gov)> wrote:

Folks,

NMFS shared a list of 46 "solution" actions with Reclamation and they have agreed to incorporate several of them into the proposed action. Attached is a list of actions that they agreed to incorporate and I think that at this time, you might want to start writing them into your sections as necessary rather than wait to hear back from Reclamation. You will see that there are details missing for many of these, but I hope to resolve this in the next day or two. We are working on approaches for other actions, most of which have to do with collaborative planning actions and strategy.

Howard

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**Howard L. Brown**

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