From: Cathy Marcinkevage - NOAA Federal <cathy.marcinkevage@noaa.gov>

Sent: Friday, February 22, 2019 2:20 PM **To:** Barbara Byrne - NOAA Federal

Cc: J. Stuart; Kristin Begun - NOAA Affiliate; Garwin Yip - NOAA Federal; Howard.Brown

Subject: Re: DSM2 Channel Velocity Analysis - locations

Thanks, all, I'm passing this on. I had told them to start on the others and that these were coming so we should be good.

Cathy Marcinkevage

California Central Valley Office NOAA Fisheries West Coast Region U.S. Department of Commerce

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On Feb 21, 2019, at 11:35 AM, Barbara Byrne - NOAA Federal

Sarbara.byrne@noaa.gov> wrote:

Cathy -- See attached for some locations for which Jeff, Kristin, and I suggest getting some additional hydro results.

On Tue, Feb 19, 2019 at 1:30 PM Cathy Marcinkevage - NOAA Federal cathy.marcinkevage@noaa.gov> wrote:

Barb, Jeff, and Kristen --

I know that the sufficiency review is the priority this week, but to get Rec's help on our later tasks in time, we need to give them some info now.

Attached are excerpts from the CWF BiOp noting which DSM2 channels were analyzed for changes in flow velocities and percent of time in "reverse" flow. We used this in some south Delta analyses on travel time and routing.

Rec will provide similar analyses and I gave them this list as an initial start. Can you take an hour or so later today or tomorrow to review this list and see if any need to be removed or added? I'm hoping it's in pretty good shape but want to be sure you as division leads have what you need.

Thanks! Cathy

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Begin forwarded message:

From: "Harrison, Katrina" < kharrison@usbr.gov> **Date:** February 19, 2019 at 11:04:00 AM PST

To: Cathy Marcinkevage - NOAA Federal <cathy.marcinkevage@noaa.gov>

Cc: "Ellis, Gregg" < Gregg. Ellis@icf.com>, "Leaf, Rob/SAC"

<rob.leaf@jacobs.com>, "Micko, Steve/SAC" <Steve.Micko@jacobs.com>

Subject: DSM2 Channel Velocity Analysis - locations

Hi Cathy -

Just a reminder that we need confirmation on the locations that you want the DSM2 velocity comparisons for in order to move forwards with the additional DSM2-HYDRO analysis that you requested. Basically, whether it is the same locations as Table 2-166 in the attached or whether you'd like any different locations. Once you confirm the locations we believe it should be pretty fast.

Thank you,

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

Cell: (916) 606-8793

Barb Byrne

Fish Biologist NOAA Fisheries West Coast Region U.S. Department of Commerce Office: 916-930-5612 barbara.byrne@noaa.gov California Central Valley Office 650 Capitol Mall, Suite 5-100 Sacramento, CA 95814



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<2010.02.21 request for hydro from additional Delta locations NMFS.pdf>