From: Brian Ellrott - NOAA Federal <bri>brian.ellrott@noaa.gov>

Sent: Saturday, May 4, 2019 6:18 AM

To: J. Stuart; Barbara Byrne - NOAA Federal

Cc: Howard Brown - NOAA Federal; Garwin Yip - NOAA Federal

Subject: Re: loss data

Thanks Barb.

Jeff,

Are you adding a loss table and associated discussion to the Delta effects section? If so, I'll pull/point from that to make sure the Effects section and I&S will be consistent and we don't have two of the same table in the BO.

Thanks, Brian

On Fri, May 3, 2019 at 9:07 AM Barbara Byrne - NOAA Federal < <u>barbara.byrne@noaa.gov</u>> wrote: Here they are. We didn't calculate the monthly loss for WR (since most are out by April - May when exports increase in the PA); let me know if you want that.

On Fri, May 3, 2019 at 8:45 AM Brian Ellrott - NOAA Federal < <u>brian.ellrott@noaa.gov</u>> wrote: Barb,

If you haven't already, can you send me the w-r loss numbers? Seems like we'd want to use the loss numbers in the effects section (if not already there) and the I&S. To keep things tight in the I&S, I'm thinking of just replacing the salvage numbers with the loss numbers, rather than having both there.

Let me know if there's a problem with that.

Thanks, Brian

On Fri, May 3, 2019 at 9:42 AM Barbara Byrne - NOAA Federal < <u>barbara.byrne@noaa.gov</u>> wrote: I recommend the following summary statement for WR: "Estimated loss at Delta pumping facilities 6-36% higher in PA".

- 1. The "Entrainment Index", as used in the I&S, refers to the numbers in the column for "% change" [((PA-COS)/COS)*100], so the index itself isn't higher in the PA vs. COS, it's that a positive index means that salvage or loss is higher in the PA vs. COS.
- 2. The current tables in the I&S are the original numbers based on salvage. The numbers that Jeff and I crunched, and that I sent last night, are based on loss. The range based on loss is similar, but is 6-36 instead of 7-38 for the salvage-based numbers.

Jeff & Brian & Garwin -- holler if I have this wrong.

On Thu, May 2, 2019 at 8:04 PM Howard Brown - NOAA Federal < howard.brown@noaa.gov > wrote: Thanks again Barb. Is this statement from the WR key findings still correct:

Entrainment Index 7-38% higher at Delta pumping facilities.

Η

On Thu, May 2, 2019 at 7:46 PM Barbara Byrne - NOAA Federal < <u>barbara.byrne@noaa.gov</u>> wrote: Annual loss for WR, SR, and steelhead summarized on the "Annual" tab.

Monthly loss for just SR and steelhead summarized on the "Monthly" tab; if you need the monthly table for WR too, let me know.

--

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



Find us online

www.westcoast.fisheries.noaa.gov



--

Howard L. Brown

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



www.westcoast.fisheries.noaa.gov

--

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



Find us online

www.westcoast.fisheries.noaa.gov



--

Brian Ellrott

Central Valley Salmonid Recovery Coordinator NOAA Fisheries West Coast Region U.S. Department of Commerce

Mobile: 916-955-7628 Office: 916-930-3612 brian.ellrott@noaa.gov

--

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



Find us online

www.westcoast.fisheries.noaa.gov



_.

Brian Ellrott

Central Valley Salmonid Recovery Coordinator NOAA Fisheries West Coast Region U.S. Department of Commerce

Mobile: 916-955-7628 Office: 916-930-3612 <u>brian.ellrott@noaa.gov</u>