
From: Michelle Havey <mhavey@anchorqea.com>
Sent: Wednesday, February 14, 2018 5:12 PM
To: Garwin Yip - NOAA Federal
Subject: RE: Shasta workshop #4...

Thanks Garwin! I'm hoping to get these wrapped up this week and over to our technical editor first thing Monday morning.

Michelle

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From: Garwin Yip - NOAA Federal [mailto:garwin.yip@noaa.gov]
Sent: Wednesday, February 14, 2018 3:48 PM
To: Michelle Havey <mhavey@anchorqea.com>
Subject: Shasta workshop #4...

...chicken scratch:

Sheila Greene (Westlands Water District): Rationale for the temperature-dependent mortality biological objectives?

Garwin: I think it is in the memo enclosed with our January 19, 2017, draft proposed Shasta RPA amendment.

Action item: Send out the rationale for the biological objectives to the e-mail list.

— A brief discussion about the targeted temp-dependent mortality objectives is provided on pages 9-10 of Enclosure 3 of the 1/19/17 letter from NMFS to Reclamation proposing the amendment. Letter posted (under “Biological Opinion Actions” header)

at: http://www.westcoast.fisheries.noaa.gov/central_valley/water_operations/

Paul Olmstead (SMUD): How/Why is less temperature-dependent mortality in the CO run considered noise?

Mike Wright: Discussion of the temperature dependent mortality results:

— CO run shows less mortality than the NMFS run because Shasta is lower, and if that's the case, Reclamation won't be able to access the upper gates, and therefore, water from the middle gates will run colder and result in less

temperature-dependent mortality...unless we lose control, at which the NMFS run results in considerably lower temperature-dependent mortality.

What about power? WAPA gives 11% budget. With the NMFS amendment, the benefits to WR are minuscule, but the reduction in power budget is huge. Will that be quantified? Jeff said "yes."

Paul Olmstead (SMUD): Does Reclamation have an isothermal bath at Keswick Reservoir? Jeff referred the question to Mike Deas, who has thermistors in Keswick Reservoir to determine if 1 is necessary. What's the residence time and the warming in Keswick Reservoir? Jeff to connect dude with Mike Deas.

WAPA dude: If 90% of the problem is in the ocean, are we going to spend the bocu bucks to improve the 10%?

Paul Olmstead: How is all of this paid for?

Dave Mooney:

- Thad is paying for some of the modeling
- Water and power contracts
- CVPIA

WAPA dude: Proposal is insolvent, but it could be solvent. Funding will be cut to nothing.

Greg Zlotnick (SJWD): Anything that speaks to Folsom?

Answer: Slide 60 [Annual Delivery Exceedance (March-February) - Ag and M&I]. Intent in the modeling is to hold Folsom constant.

Pablo: What kind of outreach for 2018?

Jeff: Crunching through the February forecast right now, will reach out over the next couple of months in concert with the SWRCB and NMFS.

Will Reclamation implement the RPA, or RPA amendment?

Jeff: RPA, but will have an operational study that thinks through what temperature, metric, and location.

Paul Olmstead: What has more water cost, DAT, or 7DAT?

Jeff: Not a simple answer.

Sent from my iPhone