
From: Garwin Yip - NOAA Federal <garwin.yip@noaa.gov>
Sent: Saturday, April 20, 2019 11:45 PM
To: Cathy Marcinkevage - NOAA Federal
Subject: Re: Shasta help

See attached.

-Garwin-

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On Fri, Apr 19, 2019 at 3:27 PM Cathy Marcinkevage - NOAA Federal <cathy.marcinkevage@noaa.gov> wrote:

See this screenshot of the excerpted table. Maria does NOT like it.

Can you provide me with what to populate this with re: RPA and COS?

Ideas or thoughts on a chart that compares current to proposed (or, rather, current to COS to PA)?

2.5 and 2.6 Upper Sac Effects V8_Local.docx - Word

how those operations affect the interplay between the effects on flows, storage, and temperatures

Table 2.5.2-1: A general description comparing the current operations scenario and the proposed action (excerpted from Table 4-1 of the BA).

Action Component	Current Operation	Proposed Action
Summer Cold Water Pool Management	NMFS RPA 1.2.1-1.2.4: Shasta Temperature Management, WRO 90-5 downstream temperature targets	Temperature management based on use of Shasta cold water pool for Winter-Run survival, including WRO 90-5.
Spring Pulse Flows	No spring pulses	Spring pulses if projected May 1 storage \geq 4 MAF
Fall and Winter Refill and Redd Maintenance	<u>3,250 cfs minimum flow</u>	Measures to reduce Fall-Run redd dewatering and rebuild cold water pool, e.g., when end-of-September storage is: \leq 2.2 MAF, flow is 3,250 cfs; \leq 2.8 MAF, flow is 4,000 cfs; \leq 3.2 MAF, flow is 4,500 cfs; \geq 3.2 MAF, flow is 5,000 cfs.
Conservation Hatchery	Livingston-Stone National Fish Hatchery	Increased use of Livingston-Stone National Fish Hatchery during droughts

While the BA describes summer temperature management, it does not identify the process by which it would achieve any defined metric or storage target. NMFS must therefore analyze the

Comments:

- NMFS:** I hadn't seen this before. My chart is so wrong on so many levels. Could we please create our own chart comparing current to proposed? Let's make this a priority because it has high communication value
- NMFS:** This definitely is not an accurate depiction of the current RPA. I would foot note this and then put the accurate RPA fall action in the text below
- NMFS:** 1 hour ago I would treat this separately in our table
- NMFS:** Unclear. Re-word

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