
From: Barbara Byrne - NOAA Federal <barbara.byrne@noaa.gov>
Sent: Tuesday, March 12, 2019 4:16 PM
To: Kristin Begun - NOAA Affiliate
Subject: Re: Background on Ripon DO requirement
Attachments: image.png

Yes, that TUCP Order gave only a temporary "variance". I did confirm (as you probably already know) that 7ppm is the same as 7 mg/L. Not sure how to interpret what D-1422 required, but on p. 31 it says "5. Releases of conserved water from New Melones Reservoir for water quality control purposes shall be scheduled so as to maintain a mean monthly total dissolved solids concentration in the San Joaquin River at Vernalis of 500 parts per million or less and a dissolved oxygen concentration in the Stanislaus River as specified in the Water Quality Control Plan (Interim), San Joaquin River Basin 5C, State Water Resources Control Board, June 1971. ... In the event that the Water Quality Control Plan (Interim) is amended or superseded, the foregoing water quality objectives shall be modified to conform to then current criteria."

You excerpt refers to the interim plan requirement as 85 percent of the saturation value, but the current successor plan calls for 7.0 mg/L, so I think D-1422 can be seen as requiring the DO standard in the latest plan...

On Tue, Mar 12, 2019 at 3:10 PM Kristin Begun - NOAA Affiliate <kristin.begun@noaa.gov> wrote:
Thanks Barb. If I read correctly, the TUCP Order for changing 7.0 to 5.0 mg/l was temporary and only effective through Nov 2015. I did find the below in D-1422, but it's not clear if 7 ppm became the requirement here.

There was considerable evidence presented at the hearing as to what are proper water quality objectives. The Department of Fish and Game has requested a minimum DO of 7 ppm to protect the salmon fishery (RT 526). The Board's Interim Water Quality Control Plan, San Joaquin Basin 5C, specifies that as a result of waste discharges the DO in the Stanislaus River should not fall below 85 percent of the saturation value, which is more restrictive than the DO standard of 5 ppm agreed upon by the Bureau. Protestants Delta Water Agency and Banta-Carbona

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https://www.waterboards.ca.gov/waterrights/board_decisions/adopted_orders/decisions/d1400_d1449/wrd1422.pdf

On Mon, Mar 11, 2019 at 6:47 PM Barbara Byrne - NOAA Federal <barbara.byrne@noaa.gov> wrote:
See summary in forwarded e-mail. Let me know if you have questions.

----- Forwarded message -----

From: **Barbara Byrne - NOAA Federal** <barbara.byrne@noaa.gov>

Date: Wed, Nov 14, 2018 at 10:54 AM

Subject: Re: Ripon DO Question

To: Linander, Duane@Wildlife <Duane.Linander@wildlife.ca.gov>

Duane, see the attached TUCP Order (specifically, sections 2.1 and 2.2) for some explanation of where the Ripon DO requirement comes from -- a combination of water rights permits, basin plan, and D-1422. Not a simple reference! Perhaps you can just quote the relevant explanation from the attached TUCP Order?

The relevant basin plan is from the Central Valley Regional Water Quality Control Board:

CVRWCB basin plan

page: https://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/#basinplans

Latest (May 2018) plan:

https://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/sacsjr_201805.pdf.

The latest basin plan designates the Stanislaus River as having, as an "existing beneficial use" (the "E" in Table 2-1), "COLD" freshwater habitat (see row 90 in Table 2-1 on p. 2-13). The DO requirement associated with the "COLD" designation (7.0 mg/L) is described on the top of p. 3-7.

Kristin White once told me that the requirement to measure DO at Ripon was in the water rights permits; the attached TUCP Order suggests that the compliance location is specified on p. 32 on D-1422 (per section 2.2 of the TUCP Order). I once came across some anecdotal background on why Ripon was the designated DO compliance point (see attached); alas, the source document has since been taken offline.

Good luck!

On Wed, Nov 14, 2018 at 9:49 AM Linander, Duane@Wildlife <Duane.Linander@wildlife.ca.gov> wrote:

Hi Barb,

I was hoping you could point me in the right direction to find a specific document. I am having difficulty finding where the Ripon DO requirement comes from. I've tried to track it through D-1422, 1485, and 1641 but it seems as though it is narrative referencing CVPIA. I've looked at past TUCPs that reference the change from 7 mg/L to 5 mg/L, but it references D-1641, maybe I'm not looking hard enough? Although I seem to remember someone mentioning it may be a regional requirement not linked to D-1641. For proper citation, can you identify the specific document this requirement came from?

Thank you in advance for your help,

Duane

Duane Linander

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