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**From:** Kristin Begun - NOAA Affiliate <kristin.begun@noaa.gov>  
**Sent:** Tuesday, March 12, 2019 3:10 PM  
**To:** Barbara Byrne - NOAA Federal  
**Subject:** Re: Background on Ripon DO requirement

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

-12-

[https://www.waterboards.ca.gov/waterrights/board\\_decisions/adopted\\_orders/decisions/d1400\\_d1449/wrd1422.pdf](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](mailto: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](mailto: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](mailto: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](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](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](mailto: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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Every Californian should conserve water. Find out how at:

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**Barb Byrne**

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