

CENWP-OD

18 June 2018

**MEMORANDUM FOR THE RECORD**

**TITLE** – 18WVP05 MFR Dorena and Fern Ridge minimum flows

**DATE** – 18 June 2018

**PROJECT** – Willamette Valley Projects (Dorena and Fern Ridge Dams)

**RESPONSE DATE** – 09 July 2018

**Description of the problem**

Flows below Dorena and Fern Ridge Dams were below authorized minimum criteria detailed in the proposed action of the Biological Opinion (BiOp) after regional coordination. Flows below Dorena Dam were decreased to ~ 125 cfs on June 8. Flows below Fern Ridge Dam were decreased to ~ 30 cfs around June 5. Flows were decreased below Cottage Grove Dam but were above BiOp minimum flow criteria. The purpose was to conserve water and prevent drafting of reservoirs.

**Dates of impacts/repairs**

Dorena Dam: June 8-30, 2018

Fern Ridge Dam: June 5-30, 2018

**Expected impacts on fish**

Impacts to fish were likely minimal.

**Comments from agencies**

-----Original Message-----

From: Anne Mullan - NOAA Federal [mailto:[anne.mullan@noaa.gov](mailto:anne.mullan@noaa.gov)]  
Sent: Friday, June 15, 2018 5:06 PM  
To: Walker, Christopher E CIV USARMY USACE (US)  
<[Christopher.E.Walker@usace.army.mil](mailto:Christopher.E.Walker@usace.army.mil)>; Hart, Salina N CIV USARMY CENWP (US) <[Salina.N.Hart@usace.army.mil](mailto:Salina.N.Hart@usace.army.mil)>; Scullion, Mary K CIV USARMY CENWP (US) <[Mary.K.Scullion@usace.army.mil](mailto:Mary.K.Scullion@usace.army.mil)>; Taylor, Gregory A CIV USARMY CENWP (US) <[Gregory.A.Taylor@usace.army.mil](mailto:Gregory.A.Taylor@usace.army.mil)>; Buccola, Norman L (Norm) CIV USARMY CENWP (US) <[Norman.L.Buccola@usace.army.mil](mailto:Norman.L.Buccola@usace.army.mil)>; Bengtson, Dustin E CIV (US) <[Dustin.E.Bengtson@usace.army.mil](mailto:Dustin.E.Bengtson@usace.army.mil)>; Hoque, Yamen M CIV USARMY CENWP (US) <[Yamen.M.Hoque@usace.army.mil](mailto:Yamen.M.Hoque@usace.army.mil)>  
Cc: Diana Dishman - NOAA Affiliate <[diana.dishman@noaa.gov](mailto:diana.dishman@noaa.gov)>; Marc Liverman <[Marc.Liverman@noaa.gov](mailto:Marc.Liverman@noaa.gov)>; Jeffrey Ziller <[Jeffrey.S.Ziller@state.or.us](mailto:Jeffrey.S.Ziller@state.or.us)>; Kelly Reis <[kelly.e.reis@state.or.us](mailto:kelly.e.reis@state.or.us)>  
Subject: Re: [Non-DoD Source] Re: Dorena, Cottage Grove Outflow

Hi Chris and others,

Thanks for noting table 2.1 showing proposed Corps operations. We are interested in the rationale for changes this year-- and given the challenges that the lower elevations in the upper basin reservoirs present, it's clear that there will be recreational and fish impacts for those reservoirs.

I will respond to an MFR or MOC for the proposed changes to June targets, in the mainstem, and if lower than other minimum objectives,

for those as well. We thought that the cooler weather prior to this weekend allowed for a decline from May 31 to June 15 targets at Salem, and that weather may be gone soon. If models suggest a need to drop to July 1 targets to meet later targets, please provide (and if it's clear in earlier models, I will review). I am out on Monday morning and can respond later that day or early Tuesday due to other meetings.

many thanks, Anne

On Fri, Jun 15, 2018 at 8:23 AM, Walker, Christopher E CIV USARMY USACE (US) <Christopher.E.Walker@usace.army.mil> <mailto:Christopher.E.Walker@usace.army.mil> wrote:

Hi Anne,  
These minimum flows are detailed on the PA of the BiOp in table 2-1.

Chris Walker  
U.S. Army Corps of Engineers  
Operations Division  
Fish Biologist  
w: 503-808-4316  
c: 503-887-6452

-----Original Message-----

From: Anne Mullan - NOAA Federal [mailto:anne.mullan@noaa.gov]  
Sent: Thursday, June 07, 2018 7:42 PM  
To: Taylor, Gregory A CIV USARMY CENWP (US)  
<Gregory.A.Taylor@usace.army.mil>  
Cc: Hart, Salina N CIV USARMY CENWP (US)  
<Salina.N.Hart@usace.army.mil>; Scullion, Mary K CIV USARMY CENWP (US)  
<Mary.K.Scullion@usace.army.mil>; Bengtson, Dustin E CIV (US)  
<Dustin.E.Bengtson@usace.army.mil>; Schroeder, Tamara R CIV USARMY  
CENWP (US) <Tamara.R.Schroeder@usace.army.mil>; Walker, Christopher E  
CIV USARMY USACE (US) <Christopher.E.Walker@usace.army.mil>; Diana  
Dishman - NOAA Affiliate <diana.dishman@noaa.gov>; Jeffrey Ziller  
<Jeffrey.S.Ziller@state.or.us>; Kelly Reis <kelly.e.e.reis@state.or.us>  
Subject: [Non-DoD Source] Re: Dorena, Cottage Grove Outflow

We appreciate the chance to comment on these flows as well as the coordination with ODFW. Table 9.2-2 in RPA 2.4 of the Willamette Valley Project Biological Opinion does not have minimum flow objectives for Dorena or Cottage Grove. The reduction will not affect the ongoing efforts to meet the flow targets at Albany, nor the Corps proposed modified flows at Salem, stepping down incrementally from the 13,000 cfs minimum for the 1st half of June to the 8,700 cfs minimum 7 day moving average for the 2nd half.

thanks, Anne

On Thu, Jun 7, 2018 at 3:45 PM, Taylor, Gregory A CIV USARMY CENWP (US) <Gregory.A.Taylor@usace.army.mil> <mailto:Gregory.A.Taylor@usace.army.mil> wrote:

All,

I talked with Jeff Ziller from ODFW about flows out of Dorena and Cottage Grove. Jeff would support a reduction from the authorized and BIOP minimum of 190 cfs through June 30th down to 125 cfs through June 15 and a further reduction to 100 cfs starting June 16th. He would support a reduction to 75 cfs at Cottage Grove (consistent with authorized and BIOP min).

Greg Taylor  
Supervisory Fisheries Biologist  
Willamette / Rogue Projects  
[gregory.a.taylor@usace.army.mil](mailto:gregory.a.taylor@usace.army.mil)  
<<mailto:gregory.a.taylor@usace.army.mil>>  
c 5415146497  
5413493039

Please email or call with questions or concerns.  
Thank you,

Chris Walker  
NWP Operations Division Fishery Section  
503.808.4316  
[Christopher.E.Walker@usace.army.mil](mailto:Christopher.E.Walker@usace.army.mil)