

## MEMORANDUM FOR THE RECORD

**TITLE** - 20DET04 MFR Detroit Reservoir Levels (Wildfires)**PROJECT** - Detroit Dam (North Santiam River)**RESPONSE DATE** - 30 September 2020**Description of the problem**

Due to wildfire in the N. Santiam last week, Detroit Marina and Kane's Marina boat owners had to evacuate and were not able to remove their boats. As evacuation notices are being slowly lifted, there has been a request from the marina owners to reduce outflow from Detroit and Big Cliff so that Detroit pool elevation draft can be slowed in order to give boat owners enough time to remove their boats.

Detroit marina is at elevation 1537 ft and Kane's Marina is at elevation 1530 ft. In order to ensure the pool elevation does not draft below those elevations before the boats are removed, Detroit – Big Cliff outflow has been reduced to ~1050 cfs until further notice.

This means September BiOp targets for N. Santiam (~1500 cfs @BCLO) cannot be met at this time. Also, the Big Cliff unit is currently out of service due to the wildfire, so Big Cliff releases are currently through the Spillway.

**Type of outage/event**

Detroit generation is currently reduced to ~1050 cfs (~23 MW/hr) until further notice. Big Cliff unit is out of service.

**Impact on facility operation**

None.

**Dates of impacts/event**

September 8 through current.

**Length of time of impact**

Unknown

**Expected impacts on fish**

Unknown

**Comments from agencies/Correspondence**

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

From: Hart, Salina N CIV USARMY CENWP (USA)

<Salina.N.Hart@usace.army.mil>

Sent: Saturday, September 12, 2020 8:12 AM

To: Anne Mullan - NOAA Federal <anne.mullan@noaa.gov>; Elise Kelly

<elise.x.kelley@state.or.us>; Jeffrey Ziller

<Jeffrey.S.Ziller@state.or.us>; Dan Spear <djspear@bpa.gov>; Kelly Reis

ODFW <kelly.e.reis@state.or.us>

Cc: Taylor, Gregory A CIV USARMY CENWP (USA)  
<Gregory.A.Taylor@usace.army.mil>; Walker, Christopher E CIV USARMY  
USACE (USA) <Christopher.E.Walker@usace.army.mil>; DLL-CENWP-RCC <DLL-  
CENWP-RCC@usace.army.mil>; Ernster, Timothy A CIV USARMY CENWP (USA)  
<timothy.a.ernster@usace.army.mil>  
Subject: North Santiam Flows

Hello All,

Letting you know that we plan on reducing flows at Big Cliff to  
approximately 1,200 cfs today. The outflow gage is not currently  
functioning (it is presumed to have been destroyed in the fire). The  
Operator will use the spillway gate ratings to determine the flow, but  
it may not be exact. We will provide an MFR regarding this soon. This  
is in response to helping the recreation community in Detroit that was  
severely impacted by the fires.

Please contact me via email or phone if you need anything.

Salina N. Hart, P.E.  
Chief, Reservoir Regulation & Water Quality Section  
Portland District  
503.808.4887 Office  
503.819.4189 Mobile

[salina.n.hart@usace.army.mil](mailto:salina.n.hart@usace.army.mil)

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

From: Anne Mullan - NOAA Federal <anne.mullan@noaa.gov>  
Sent: Saturday, September 12, 2020 2:00 PM  
To: Hart, Salina N CIV USARMY CENWP (USA)  
<Salina.N.Hart@usace.army.mil>  
Cc: Elise Kelly <elise.x.kelley@state.or.us>; Jeffrey Ziller  
<Jeffrey.S.Ziller@state.or.us>; Dan Spear <djspear@bpa.gov>; Kelly Reis  
ODFW <kelly.e.reis@state.or.us>; Taylor, Gregory A CIV USARMY CENWP  
(USA) <Gregory.A.Taylor@usace.army.mil>; Walker, Christopher E CIV  
USARMY USACE (USA) <Christopher.E.Walker@usace.army.mil>; DLL-CENWP-RCC  
<DLL-CENWP-RCC@usace.army.mil>; Ernster, Timothy A CIV USARMY CENWP  
(USA) <timothy.a.ernster@usace.army.mil>; Greg Grenbemer  
(greg.a.grenbemer@state.or.us) <greg.a.grenbemer@state.or.us>  
Subject: [Non-DoD Source] Re: North Santiam Flows

Thank you for the heads up. What a destructive force the fires have  
been. These communities can use all the help they can get!  
Since 1200 cfs would be the target starting on October 16, do you  
expect the shift today to last until then?

Best of luck with getting the outflow gage and other damaged elements  
up and running.

-Anne

On Sat, Sep 12, 2020 at 2:07 PM Hart, Salina N CIV USARMY CENWP (USA)  
<[Salina.N.Hart@usace.army.mil](mailto:Salina.N.Hart@usace.army.mil) <<mailto:Salina.N.Hart@usace.army.mil>> >  
wrote:

Anne,

Honestly we are adjusting as conditions change. Once the community can retrieve their belongings and no longer needs the reservoir held higher, we could pick flows back up. If that is the recommendation from you all, then we can certainly do that. Let me know your thoughts and I'll keep you all posted.

Thank you,

Salina N. Hart, P.E.  
Chief, Reservoir Regulation & Water Quality Section  
Portland District  
503.808.4887 Office  
503.819.4189 Mobile

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

From: Anne Mullan - NOAA Federal <anne.mullan@noaa.gov>  
Sent: Monday, September 14, 2020 10:06 AM  
To: Hart, Salina N CIV USARMY CENWP (USA)  
<Salina.N.Hart@usace.army.mil>  
Cc: Elise Kelly <elise.x.kelley@state.or.us>; Kelly Reis ODFW  
<kelly.e.reis@state.or.us>; Taylor, Gregory A CIV USARMY CENWP (USA)  
<Gregory.A.Taylor@usace.army.mil>; Walker, Christopher E CIV USARMY  
USACE (USA) <Christopher.E.Walker@usace.army.mil>; Ernster, Timothy A  
CIV USARMY CENWP (USA) <timothy.a.ernster@usace.army.mil>; Greg  
Grenbemer (greg.a.grenbemer@state.or.us) <greg.a.grenbemer@state.or.us>  
Subject: Re: [Non-DoD Source] Re: North Santiam Flows

Thanks Salina, I appreciate the clarifying info that the higher elevation in the reservoir keeps the docks available for the people who have boats or other belongings on Detroit Lake. It's your call entirely on how long that can be provided and how best to keep the waterway open. I asked to get a sense of what timing the Corps anticipated, realizing that will be more appropriately answered in the MFR. I hope there wasn't much damage to docks.

Thanks to Greg Taylor, we have heard how the Minto facility is fairing, and others around the basin. Hope your air quality isn't as bad as the worst we're seeing-- we've had days of horrible eye-irritating and lung-burning smoke. Yet, I realize this is literally nothing in comparison to what the communities and first responders out there are experiencing.

Be well, all! Anne

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)