

CENWP-OD  
MEMORANDUM FOR THE RECORD

07 February 2022

**TITLE** - 22HCR01 MFR Hills Creek Minimum Flows Ramp Rates

**NOTIFICATION DATE** - 08 February 2022

**PROJECT** - Hills Creek Dam

**RESPONSE DATE** - 22 February 2022

**Description of the problem**

On January 25, 2022 the clamshell for trashrack debris removal got stuck at Hills Creek Dam. Outflows were reduced to attempt removal of the clamshell without success. Outflows continued to be reduced the morning to a minimum of 400 cfs to support a ROV inspection on January 26, 2022. Outflows were further be reduced to approximately 300 cfs for a short duration (~ 4 hours) to support the inspection and removal of the clamshell. The clamshell was removed and the unit was brought back online January 27, 2022 at 1230 hours. During this effort there were ramp rate deviations (as high as -0.43 ft/hr) from criteria (i.e. 0.2 ft/hr) listed in the 2008 Biological Opinion issued by the National Marine Fisheries Service.

**Dates of impacts/repairs**

January 25-26, 2022

**Length of impacts/repairs**

Minimum flow deviations: ~ 10 hours, Ramp rate deviations: 3 hours total

**Expected impacts on fish**

Minimal to no impacts to fish

**Comments from agencies**

No comments

Please email or call with questions or concerns.

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