

MEMORANDUM FOR THE RECORD

**TITLE** - 17BCL03 minimum flow  
**DATE** - 18 January 2017  
**PROJECT** - Big Cliff Dam  
**RESPONSE DATE** - 01 February 2017

**Description of the problem**

Flows below Big Cliff Dam in the North Santiam River decreased below minimum criteria (1,200 cfs) on January 14 for about three hours during a flow adjustment. Flows were as low as 1,130 cfs.

**Dates of impacts/repairs**

14 January 2017

**Expected impacts on fish**

The minimum flow criteria of 1,200 cfs is to provide adequate flows for incubating spring Chinook eggs in redds. The stage change between the BiOp minimum flow equated to a decrease of one inch, thus impacts to fish were minimal.

**Comments from agencies**

See Attachment 1

**Final results**

Flows below Big Cliff Dam were increased back to the BiOp minimum of approximately 1,200 cfs.

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)