



# Oregon

Kate Brown, Governor

## Water Resources Department

Watermaster, District 20  
10722 SE Highway 212  
Clackamas, OR 97015  
(503) 722-1410  
Fax: (503) 722-5926  
[www.wrd.state.or.us](http://www.wrd.state.or.us)

December 9, 2016

Elaine Stewart  
Senior Natural Resources Scientist  
600 NE Grand Ave.  
Portland, OR 97232

Re. Dam Inspection on Smith-Bybee Lakes Dam (S-79)

On December 6, 2016 I conducted a routine safety inspection of Smith-Bybee Lakes Dam. The purpose of this inspection is to evaluate the general condition of the structure to assure that it is being operated and maintained in a responsible manner for the protection of downstream life and property.

The following is a list of actions that are recommended to maintain the integrity of the dam.

- There are small trees on both abutments and the downstream slope that restrict visibility of the structure, preventing thorough inspection, and provide habitat for burrowing animals. The roots can also create potential pathways for water through the dam. Information regarding trees/vegetation on dams and how to deal with them can be found at: <http://www.fema.gov/library/viewRecord.do?id=1451> (FEMA 534 - Technical Manual for Dam Owners: Impacts of Plants on Earthen Dams).
- The trash racks should be installed to prevent large debris from becoming caught in the outlet works, preventing proper functioning of the dam.
- Continue rodent control program to remove nutria from the area.
- Lubricate and cycle the outlet valve annually to ensure proper operation.

Thank you for your cooperation and continued efforts to perform maintenance, repair, and monitoring activities.

The next regular inspection is scheduled for 2022. Please do not hesitate to contact me at 503-722-1410 if you have any questions or concerns.

Sincerely,

Amy Kim  
Watermaster, District 20

cc: Keith Mills, OWRD Dam Safety Coordinator0

