

# Bonneville Dam Fishway Spill Response Plan

This document outlines the necessary actions to protect the adult and juvenile fishways at Bonneville Dam in a spill emergency. The Project Manager, Environmental Compliance Coordinator (ECC) and a Project Biologist should be notified as soon as possible. An assessment of the spill should be conducted by Bonneville's ECC or alternate to determine if the spill is recoverable. If spill material is determined to be recoverable the following actions should be taken to minimize impacts to fish passage systems.

## Adult Fishways

### 1) Washington Shore

- a) Preventative measures – Install exclusion boom inside existing log boom upstream of fishway exit. Installation is planned for early 2010.
- a)b) \_\_\_\_\_ Exit – If a recoverable quantity is reported or observed, deploy temporary exclusion boom between ladder exit and log boom. In addition, close exit gate until it is submerged 1-2' below water surface. Further actions would be determined by ECC or designee based on information and observations, in coordination with Project or District Biologists. Until permanent boom is in place, closing of gate would have to be based on what is known and observed.
- b)c) \_\_\_\_\_ FV6-9 – If spill material is observed in the ladder exit upstream of WA shore picket leads, or in the valve slot, deploy absorbent boom if material is deemed recoverable.
- d) Fish ladder – In the event that spill material gets into the fish ladder, deploy absorbent boom at the junction of the UMT and WA Shore ladder, if sheen is deemed recoverable by ECC or alternate. (A boom will be staged at this site).
- e)e) \_\_\_\_\_ Adult Fish Facility – If ECC or alternate deems necessary based on information and observations, and the AFF is in operation, set lab to bypass, close exit gate until it is submerged 1'.

### 2) Cascades Island

- a) Preventative measures – Install exclusion boom outside existing log boom upstream of fishway exit. Installation is planned for 2010.
- a)b) \_\_\_\_\_ Exit – If a recoverable quantity is reported or observed, deploy temporary exclusion boom between ladder exit and log boom. In addition, close exit gate until it is submerged 1-2' below water surface. Further actions would be determined by ECC or designee based on information and observations, in coordination with Project or District Biologists. Until permanent boom is in place, closing of gate would have to be based on what is known and observed.
- b)c) \_\_\_\_\_ FV5-9 – If spill material is observed upstream of CI picket leads, or in the valve slot, deploy absorbent boom if material is deemed recoverable.

### 3) Bradford Island

- a) Preventative measures – Install exclusion boom inside existing log boom upstream of fishway exit. Installation is planned for 2010.
- a)b) \_\_\_\_\_ Exit – If a recoverable quantity is reported or observed, deploy temporary exclusion boom between ladder exit and log boom. In addition, close exit gate until it is submerged 1-2' below water surface. Further actions would be determined by ECC or designee based on information and observations, in

coordination with Project or District Biologists. Until permanent boom is in place, closing of gate would have to be based on what is known and observed.

b)c) FV3-9 – If sheen is observed upstream of BI picket leads, deploy absorbent boom if material is deemed recoverable.

### **Juvenile Fishways**

- 1) PH2 DSM – No action taken unless determined appropriate and necessary by ECC or alternate in coordination with Project or District Operations Biologists.
- 2) B2CC – No action taken unless determined appropriate and necessary by ECC or alternate in coordination with Project or District Biologists.
- 3) PH1 ITS – If recoverable quantity is observed in PH1 forebay, close automated chain gates.
- 4) Smolt Monitoring Facility – If recoverable quantity is observed in DSM2 or at the SMF, switch upper switchgate to bypass.