

Dam Removal General O&M

May 20, 2019

DESIGN REVIEW

The design plans include an erosion prevention and sediment control (EPSC) plan that is different from an Operations and Maintenance (O&M) description.

1. All relevant text in plans, reports and documents should label and/or refer to the “pilot channel” in the future excavated sediments and not referenced as a “new stream channel”. This use of the “pilot channel” term is intended to manage the public expectations that the newly created channel will meander over time and to establish that an underlying project goal is to manage the reach towards dynamic stream equilibrium conditions as the underlying design objective.
2. The Operations and Maintenance (O&M) component of the design plans to be implemented after project completion shall address three issues that are typical for dam removal projects:
 - A. The completed project is intended to restore *dynamic stream equilibrium* to the channel as an underlying design concept and minimal channel stabilization is required and to be evaluated at this design review phase. The O & M plan shall discuss restoring *dynamic stream equilibrium* as a goal and objective for clarity for the public relative to the next two items.
 - B. The completed project will likely require 2 to 3-years of monitoring of the newly planted riparian vegetation to successfully establish an 80% survival rate of the newly planted grasses, shrubs and trees and report to the US Army Corps of Engineers, VDF&W and the State Rivers Program on the status and a plan for any required re-seeding and/or re-planting of the project site.
 - C. The US Army Corps of Engineers, VDF&W, State Rivers Program and Project Manager will review and approve the monitoring status and any plan for re-seeding and/or re-planting of the project site.
3. There may be various riparian buffer species encountered during the dam removal that can be discussed in the plans to be set aside for possible replanting by the selected contractor after completion of the work and at the common direction of VDF&W, state and federal staff.