

Project Description:

The proposed Project includes placing two fish barriers on the river side of the levees to prevent fall run Chinook Salmon from entering TID's canal system via the Harding Drain Culverts and Nielson Drain Culverts during the spawning season. These barriers will only be in place during the spawning season.

The barrier at the Harding Drain Project site will be a metal picket fence with removable sections to allow for cleaning/maintenance, including periodic vegetation and debris removal.

The barrier at the Nielson Drain Project site may be a swinging picket weir or a metal picket fence with removable sections. The swinging picket weir is a hinged picket fence hanging over a long crested weir. As debris pass over the weir, the picket fence is allowed to swing outwards to pass the debris while still blocking passage over the weir. Alternately, the barrier at the Nielson Drain Project site may be a metal picket fence with removable sections and motorized rotating trash screens on the upstream side to prevent vegetation and debris from plugging the picket fence.

Site preparation for both proposed Projects includes vegetation removal to facilitate the work.

At the Harding Drain Project site only, construction of concrete lining in the area between the culvert outlets and the new fish barrier as well as a permanent vehicle access path is needed to facilitate construction and on-going maintenance. It is assumed that a permanent vehicle path will not be constructed for the Nielson Drain Project site, as the existing levee slope is sufficient to allow for construction and maintenance access.