

- I. Project Title: Tusher Wash Fish Screen
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- III. Project Summary: The Tusher Wash Diversion Dam, located on the Green River above Green River, UT diverts water into the Green River Canal Company Main Canal. Entrainment of native fish has been documented. The project consists of constructing a fish screen and/or fish barrier and fish return pipeline in the Green River Canal Company Main Canal approximately one mile downstream from the diversion dam.
- IV. Study Schedule: This project has been deferred for a number of years, initially due to water right litigation between the Green River Canal Company and Thayne Hydropower which was ultimately resolved in the Utah Supreme Court. Additionally, the State of Utah and the Green River Canal Company are currently conducting an evaluation of the rehabilitation of the Tusher Wash Diversion Dam which could potentially result in significant modification to the existing structure. A Preliminary Design Report has been completed for the diversion dam rehabilitation; however, until a decision is made regarding the dam rehabilitation the design process for the fish screen cannot move forward. A FY 2015 – 2016 construction period appears most likely at this time
- V. Relationship to RIPRAP: Green River Action Plan: Mainstem II.B.2 Screen Tusher Wash diversion to prevent endangered fish entrainment.
- VI. Accomplishment of FY 2011 Tasks and Deliverables, Discussion of Initial Findings and Shortcomings: Reclamation staff participated in the dam rehabilitation evaluation. Local water users have not made a decision regarding rehabilitation and/or raising the dam crest elevation of the existing diversion dam. A decision matrix was prepared in FY 2010 to guide selection of preferred method to prevent/minimize entrainment of fish. Technical questions relating to the design decision matrix were referred to Kevin Bestgen/Biology Committee. No further progress can be made on the design of the fish screen or barrier until decisions regarding the dam modifications are made. Additionally, raising the dam crest will likely result in the need for installation of a fish passage structure which will be the responsibility of the local water users.
- VII. Recommendations: Continue to participate in dam rehabilitation evaluation. Proceed with design, permitting and construction when appropriate.

