I. Project Title: Fish Screen at the Grand Valley Irrigation Company Diversion Dam.

II. Principal Investigator(s): Bob Norman
    Bureau of Reclamation
    2764 Compass Drive, Suite 106
    Grand Junction, CO 81506
    Phone (970) 248-0634
    FAX (970) 248-0601
    rnorman@uc.usbr.gov

III. Project Summary:

    The Grand Valley Irrigation Company Diversion, located on the Colorado River near Palisade, Colorado, diverts water into the Grand Valley Canal. Entrainment of native fish into the Grand Valley Canal has been documented; the project purpose is to prevent entrainment. A fish screen and fish return pipeline were constructed in the canal in 2002. This facility was operated from March through June of 2002 until heavy debris loads in the river, originating from upstream wildfires, made it difficult to continue irrigation diversions. The Grand Valley Irrigation Company has been reluctant to continue operation of the fish screen until additional features are installed to improve the ability of the facility to pass debris. These features include installation of 1) a larger capacity electrical powered air compressor, 2) a three phase electrical power service, 3) a larger capacity backup generator, and 4) a deflector wall and modified-canal alignment to provide more uniform water-approach velocities. (Note: As of March 2004, most of the work has been completed).

IV. Study Schedule:

    Installation of these additional facilities (items 1, 2 and 3 above) is underway. Bids to construct the deflector wall and canal alignment modifications are being solicited and a contract is scheduled to be awarded in January 2004 with completion prior to the 2004 irrigation season.

V. Relationship to RIPRAP:

    Colorado River Action Plan: Mainstem
    II.B.1.b. Screen GVIC diversion to prevent endangered fish entrainment.
    II.B.1.b.(2) Construct.
    II.B.1.b.(3) Operate and maintain.

VI. Accomplishment of FY 2003 Tasks and Deliverables, Discussion of Initial Findings and
Shortcomings:

Major FY 2003 accomplishments included 1) completion of hydraulic model study to identify canal modifications required to improve approach velocity uniformity, 2) installation of three phase power service, procurement of larger capacity air compressor and generator, and 3) negotiation of expanded easements from the Grand Valley Irrigation Company.

VII. Recommendations: None

VIII. Project Status: On schedule for completion in March 2004.

IX. FY 2003 Budget Status

A. Funds Provided: $120,854
B. Funds Expended: $120,854
C. Difference: 0
D. Percent of the FY 2003 work completed, and projected costs to complete:
E. Recovery Program funds spent for publication charges: NA

X. Status of Data Submission (Where applicable): Not applicable

XI. Signed: /s/ Bob Norman November 6, 2003
Principal Investigator Date