

# Jordan River riparian improvements mark a final milestone in the Midvale Slag Superfund Site



ROD has riparian  
component  
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# 4 Phases – 1<sup>st</sup> phase sheet pile work and spur dikes to change river flow

Replace damaged sheet pile dam, a relic from historic operations without diverting water.



Construct boulder structure with boat chute and pull out area to accommodate kayakers.

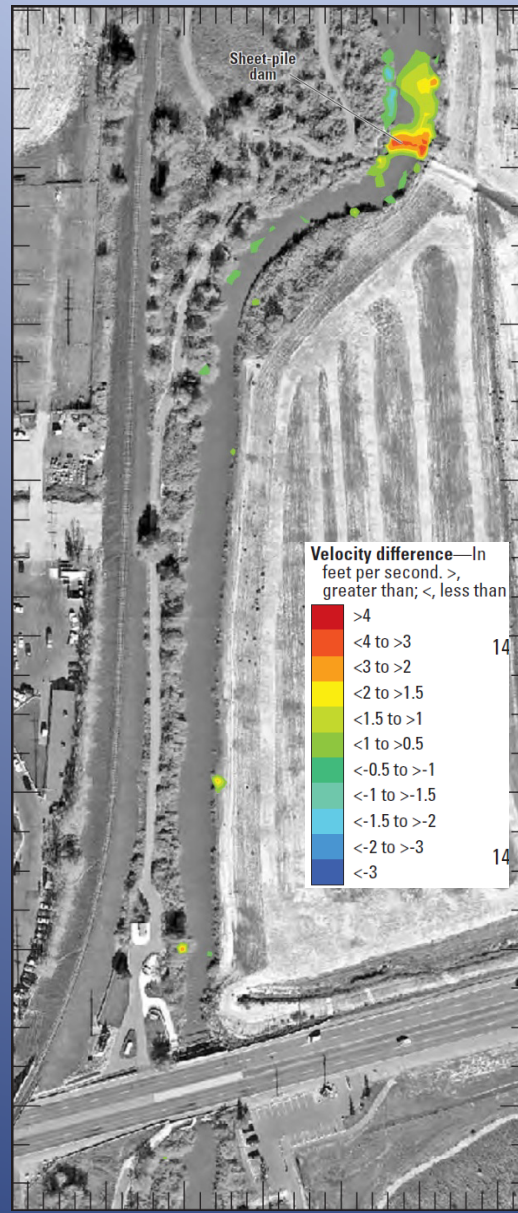




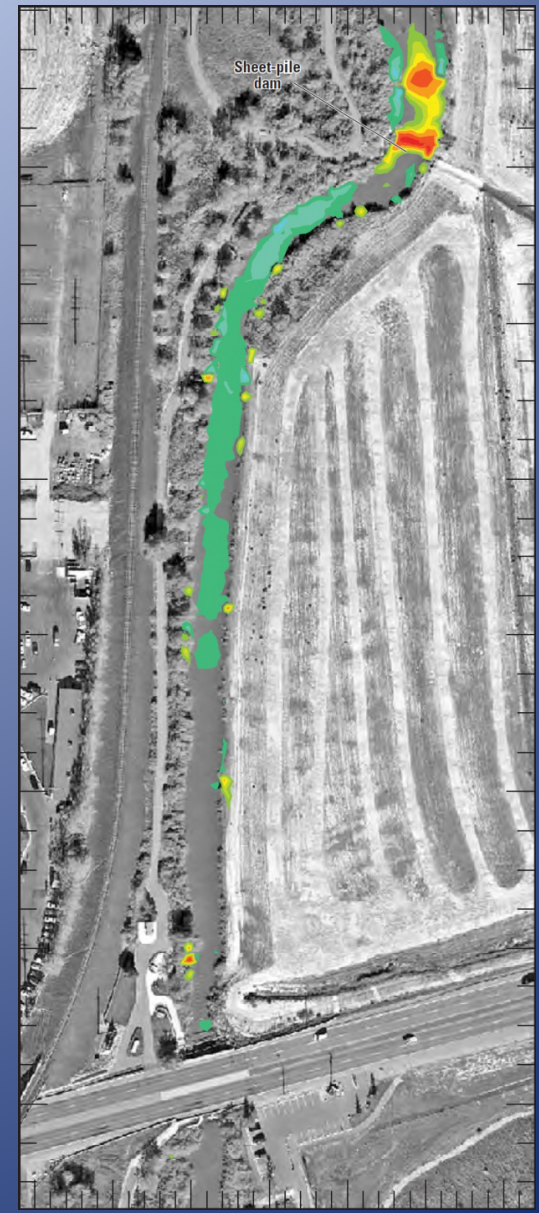
# Predicted water-surface elevation difference maps (500 ft<sup>3</sup>/s)



Sheetpile minus as designed



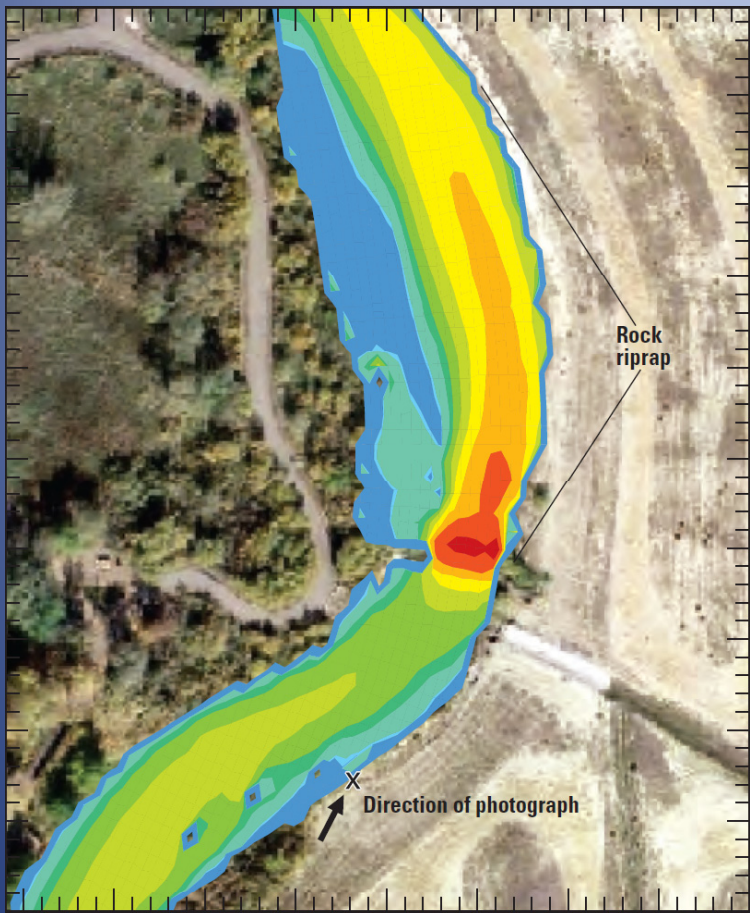
Sheetpile minus as designed plus 1.0 ft



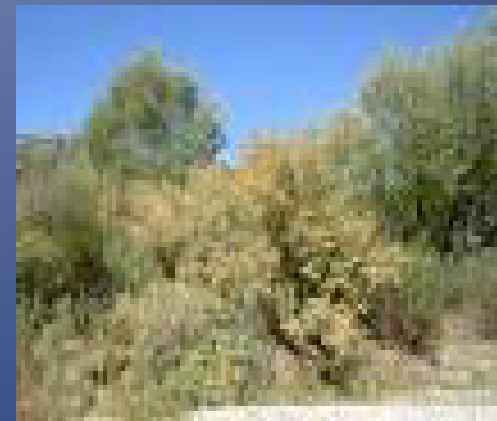
Sheetpile minus as designed plus 2.0 ft

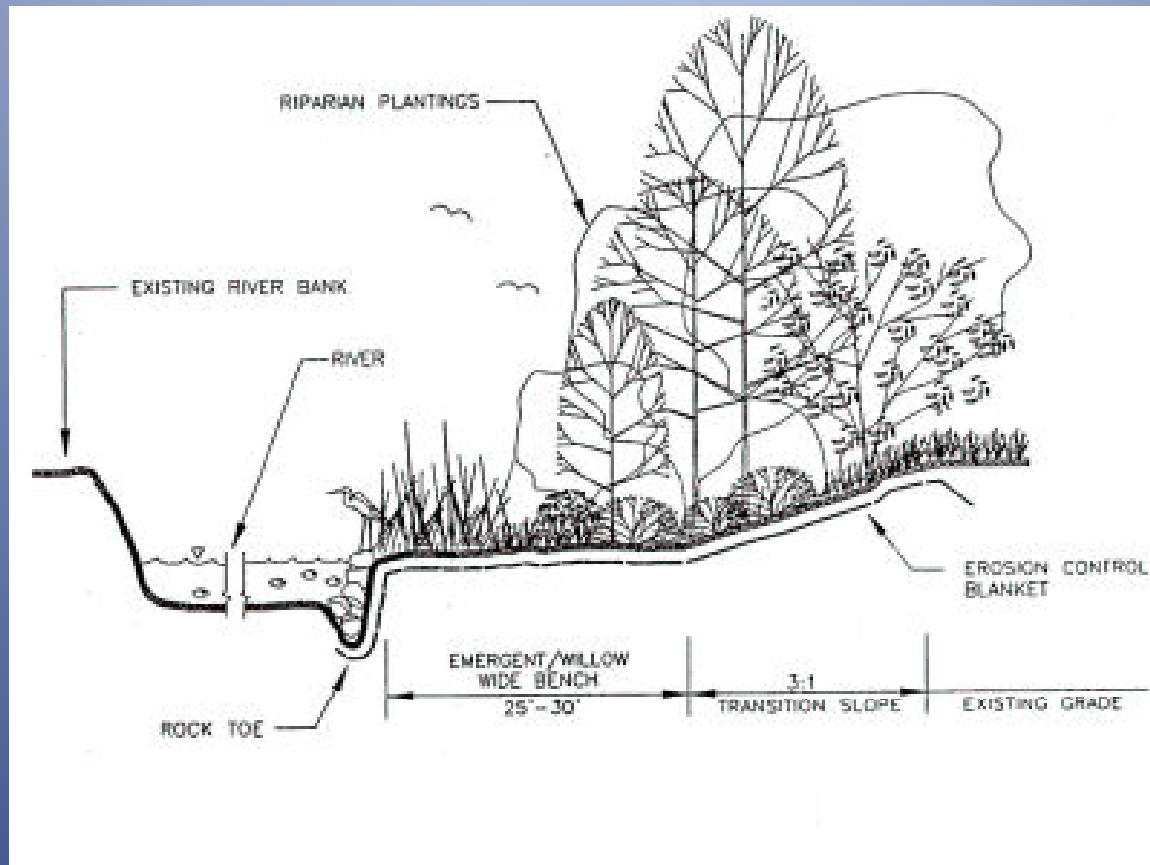


# Example of rock riprap design based upon model predicted shear stress



# Problem – Monoculture of Russian Olive trees, Tamarisk and phragmites





**Open up the river channel to slow the river down while adding diverse native plants to support banks.**

Multi ownership of the river bank and challenge of arid Utah climate made low maintenance a factor in design plans. Rock on upper bench and willows at toe were part of the RD/RA. Non-point environmental education and invasive weed training conducted during RD/RA.