

CASE STUDY

MURRIETA CREEK FLOOD CONTROL, ENVIRONMENTAL RESTORATION & RECREATION PROJECT – PHASE 2A

TEMECULA, CA

STREAMBANK STABILIZATION

APPROVING AGENCIES: USACE & THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT



Propex[®]
GEOSOLUTIONS

PROJECT SUMMARY

On October 27, 2000, the Energy and Water Development Appropriations Act of 2001 was signed into law, which directed the USACE to proceed with detailed engineering designs for the Murrieta Creek Flood Control, Environmental Restoration and Recreation Project. Historically, the cities of Murrieta and Temecula had experienced devastating flooding along Murrieta Creek. The purpose of this project was to prevent such flooding by conveying the 100-year flow within Murrieta Creek. Phase 1 consisted of a concrete channel and was completed in 2004. Due to funding constraints, Phase 2 was broken into multiple phases. For Phase 2A, the design engineer chose ARMORMAX 75 to provide erosion and scour protection of the creek banks which also provided an aesthetically pleasing vegetative solution and habitat as opposed to hard armoring.



PROBLEM Erosion and scour of Murrieta Creek banks due to flooding events



SOLUTION ARMORMAX[®] 75 was chosen as the solution for Phase 2A as it provides significant time and cost savings as opposed to hard armoring solutions like concrete



PERFORMANCE

Vegetated engineered earth armoring slope protection that is more aesthetically pleasing that also provides water quality improvements and habitat



FEATURES & BENEFITS

- Provides permanent erosion protection for up to 75 years
- Withstands both hydraulic and non-hydraulic stresses
- Deters burrowing
- Provides overtopping protection
- Ease of installation reduces time and labor costs
- Reinforces vegetation and promotes sustainable aquatic habitats
- Available in green or tan to complement the natural surroundings
- Outlasts other slope reinforcement methods yielding significant cost savings



VISIT OUR WEBSITE FOR MORE INFORMATION, PRODUCT SAMPLES OR OTHER INQUIRIES OR CALL CUSTOMER SERVICE AT 1.800.621.1273



P.O. Box 19269
4019 Industry Dr.
Chattanooga, TN 37416 USA
PH: 800 621 1273
FAX: 423 899 5005
www.propexglobal.com