

## **Murietta Creek Flood Control Project - Riverside County Flood Control District**

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Ontario, California

Bioengineering member of the Value Engineering team. Project entails protecting rapidly urbanizing cities of Murietta and Temecula, CA while minimizing ecological damage to the stream. Developed methods to eliminate concrete armor through the downtown reach by using bioengineering structures, preserving habitat and maintaining flood conveyance. Also balanced sediment transport throughout the sand bed system, developed alternative to detention structures based on infiltration. Developed alternative restoration and mitigation plan that lowered flood elevations and reduced disturbance to sensitive habitat.