Summary Sheet

Applicant:	**Humboldt County Resource Conservation District**	**BMS No: 2010FPCP0030**
Project Name:	**Salt River Ecosystem Restoration Project**	
County:	Humboldt	
Location:	Mouth of Salt River and 7 miles upstream towards City of Ferndale	
Problem to Be Fixed:	Aggradation of the Salt River channel has become so severe that most of the current channel is hydraulically dysfunctional or non-existent. This causes flooding of the City of Ferndale's waste water treatment plant with accompanying discharge of effluent, and degraded water quality. The problems increase each winter as sediment continues to fill drainages. During the wet seasons, even small rain events cause the Salt River and the lower reaches of the tributaries to overflow their banks, resulting in constantly recurring flood conditions.	
Project Description:	This project is part of a larger project to restore the Salt River channel and tidal wetlands at Riverside Ranch near the mouth of the Salt River, and create an upslope restoration program to reduce sediment input. The funded project would acquire and protect property within the 100-year floodplain from future development. The acquired property will have active or passive sediment management areas designed to allow sediment deposition to occur without compromising the channel's habitat and conveyance functions and to restore riparian habitat and/or wetlands. Channel restoration of 0.5 mile between Riverside Ranch and Port Kenyon/Dillon Road Bridge will include 8 acres of riparian forest, 6 acres of wetland, and 3 acres of aquatic habitat. Restoration of 1 mile between Port Kenyon and Francis Creek will cover the Francis Creek channel and East Side Drainage and include 30.3 acres of riparian forest, 11.3 acres of freshwater marsh and seasonal wetland, and 7.9 acres of aquatic habitat. The project also creates Sediment Management Areas on the Dillon Road to Francis Creek reach and at confluence of Francis Creek and Salt River.	
Flood Benefits:	• Restore hydraulic capacity and sediment transport in the Salt River and lower Francis Creek • Indirectly improve Williams, Coffee, and Reas Creeks • Restored channel will optimize sediment transport through the system by maximizing velocity in the active channel • Sediment Management Areas will allow for sediment removal without impacting sensitive habitat • Although the restored channel is not designed to convey a specific design flood magnitude, modeling analyses indicate that it would be able to contain floods less than the 2 year event. • The restored channel will drain surrounding lands and relieve backwater effects on lower tributary channels, improving tributary drainage and reducing long-standing ponding on vicinity lands. • Sediment inputs to the mainstem Salt River will be reduced through implementation of erosion control and sediment trapping activities in the upper watershed	
Wildlife Benefits:	• Passive sediment management areas will function as floodplain and riparian habitat areas of net sediment deposition and aggradation through natural fluvial processes • Support 125 acres of riparian forest/scrub and 33 acres of aquatic habitat, including restoration of ecosystem processes such as sediment transport and interaction of riparian habitat within an active channel	

	• Outside of the salt marsh, riparian forest and scrub along the channel will shade the restored aquatic habitat. • Restore 20 acres of riparian forest and 22 acres of aquatic habitat • Restore fish passage and rearing habitat for salmonids, which will help salmon fishery to recover. • The Toste parcel is located adjacent to the Salt River and supports a narrow band of riparian forest. Acquisition of the parcel will allow for restoration of additional riparian forest on a portion of the property
Agricultural Benefits:	• Adjacent pasture land along the lower Salt River corridor will have improved access for grazing.
Total Project Cost:	$20,033,582
FCP Project Cost:	$3,000,0000
Assembly District No. and Representative Name:	Assembly District 1: Wesley Chesbro
Senate District No. and Representative Name:	Senate District 2: Noreen Evans