

Santa Ana River Mitigation Costs and Commitments, 1986 – 2006

Year	Project	Mitigation/Partner	Acres/Cost	Permit
1986	Santiago Pits Re-contour and Improvements	Riparian restoration	14 acres/ approximately \$400,000	Corps 86-165-CH CDFG V-86-245
1989-1990	Water Conservation	Vireo Mgt/CSULB Includes cowbird traps	\$70,000	Letter Agreement
1991	Construct and repair diversion dike and channel to Prado Wetlands	Weed control/ Water To Splatter S	River Road to 80 ft below diversion	Corps 89-427-MD
1991	Water Conservation to 495 ft	Habitat Mgt/TNC	\$450,000 (OC Repay)	1991 Agreement for Emergency Water Con
"	"	Vireo Mgt/TNC	\$450,000	"
"	"	Habitat Restoration/TNC	124 ac PR3	"
1992	Water Conservation to 500 ft (one year)	Vireo Mgt/TNC	\$50,000	1992 Agreement for Emergency Water Conservation
"	"	Habitat Restoration/TNC	\$50,000	"
"	"	Arundo Control	40 ac PR6	"
1992	Install and operate 3 rubber dams on the Santa Ana River	Protect nesting birds on T & L levees	Staff time	Corps 92-030-BH
1993	Increase Water Conservation elevation as mitigation habitat is successfully developed	Habitat restoration/vireo Mgt for project life	228 ac vireo habitat 278 ac wildlife habitat	BO 1-6-93-F-7
1994	Duck Pond Construction/Lessee CWA Violations 1988-1992 and Prado Wetlands Reconstruction	Habitat Restore/O&M Timing, restrictions	129 ac	BO 1-6-94-F-47 Corps 93-00572-RRS
1995	Water Conservation to 505 ft; Manage Prado Basin to maximize wildlife values and water conservation	Remove Arundo in 3 yrs Natural Resources Management	All of Prado Basin	BO 1-6-95-F-28/1995 Agreement
"	"	Vireo Mgt/habitat restoration	\$1,000,000/Conservation Trust Fund/2 monitors	"
1998-2006	Routine Operations in the river	Sucker Conservation	\$20,000/year (\$190,000 to date)	Corps Permit (yet to be Issued)
1999	CWA Violation by R. Goldsberry on OCWD land	Habitat restoration	0.1 ac/ staff time	Corps Violation No 200000916-RRS
2000	Santiago Creek outflow from pits	Habitat restoration	0.5 ac upper watershed/ \$25,000	CDFG Streambed Agreement 5-046-00
2000	Operation of Prado Dam for Water Conservation	Winter Cowbird Trap Vehicle, seed, etc.	10,000 plantings/yr at a cost of app. \$60,000/yr	BO 1-6-99-F-75

Orange County Water District Project Mitigation, 1986 – 2006 (Continued)

Year	Description	Habitat restoration/SAWA	\$50,000 used in upper watershed	Corps Permit
2001	GWRS			
2004	Water Conservation during flood season to 498 ft	Habitat Restoration/mgt Sucker/native fish mgt	\$930,000 + 37.2 ac \$50,000/yr + 0.5 staff	BO FWS-WRIV-2102.3
2006	2006 Agreement with CA Department of Fish and Game Dismissing their protest of OCWD's Water Rights Application Operation of Prado Dam for Water Conservation	Sucker/habitat mgt	Staff work + minor costs	CDFG Agreement
2006		Orange County FCD	\$30,000/year	County Agreement
	<b>TOTAL HABITAT RESTORATION COMPLETED</b>		<b>813.1 acres</b>	
	<b>RESTORATION IN PROGRESS</b>		<b>37.2 acres</b>	
	<b>TOTAL MITIGATION PAYMENTS</b>		<b>\$3,715,000</b>	
	<b>CURRENT ANNUAL MITIGATION PAYMENTS</b>		<b>\$140,000</b>	