

**Appendix B - Restoration and Enhancement Projects  
Through June 2012**

See Figures 2-2-E and 2-2-W for locations

<b>Project Name</b>	<b>Organization</b>	<b>Duration</b>	<b>Restoration or enhancement target</b>	<b>Target species for removal</b>	<b>Acres</b>	<b>Funding source</b>	<b>Comment</b>
<b>Airfield Safety Area Grading Mitigation</b>	SB Airport	1997	None specific, with exception of creation of pocket wetlands along upland berms	iceplant, ruderal weeds	25.00	SB Airport (Mitigation for Airfield Safety Projects)	For more information, contact Andrew Bermond, Airport Planner
<b>Airfield Safety Projects - Tecolotito &amp; Carneros Creek Relocation/Restoration</b>	SB Airport (restoration designed and implemented by URS Corporation)	2006-2007	Wetland and transitional wetland habitat	None specific	40.00	SB Airport (Mitigation for Airfield Safety Projects)	For more information, contact Andrew Bermond, Airport Planner
<b>Airfield Storm Drain Restoration</b>	SB Airport (restoration designed and implemented by URS Corp)	2005	Riparian and salt marsh	None specific	0.40	SB Airport	For more information, contact Andrew Bermond, Airport Planner
<b>Area I Restoration</b>	SB Airport (restoration designed and implemented by URS Corporation)	2005-2007	Seasonal freshwater wetlands, saltmarsh, uplands	Bermuda grass, Eucs, giant reed, mustard, myoporium, pampas grass	12.50	SB Airport (Mitigation for Airfield Safety Projects)	4.1 acres of upland 6.2 acres of new seasonal wetlands; enhancement of 2.2 acres of extg habitat. For more info, contact Andrew Bermond at Airport
<b>Atascadero Creek Restoration Project: Gas Company site</b>	Santa Barbara Urban Creeks Council; D Chirman Project Manager	April 1997-Dec 1998	Coastal salt marsh, coastal sage scrub, riparian	ruderal weeds	1.50	Southern CA Gas Company	Vegetation Enhancement Project In conjunction with Gas Co Pipeline Support development project. \$14,885; volunteer project. 700 plants installed.

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<b>Basin E/F Tidal Restoration Project</b>	SB Airport (restoration designed and implemented by URS Corporation)	2010-2011	Salt marsh restoration, with focus on habitat for Belding's savannah sparrow, tidewater goby, wandering skipper, pygmy blue butterfly, Southern tarplant, Coulter's goldfields, and saltmarsh aster	Ruderal weeds along upland berms (which were removed)	10.30	SB Airport (Mitigation for Airfield Safety Projects)	10.3 acre site, 9.3 of which is now tidally influenced pickleweed wetland
<b>East Storke Wetland Restoration</b>	UCSB (in conjunction with CCBER, Cheadle Center for Biodiversity and Ecological Restoration)	2003	Coast live oak	Ruderal weeds (all upland)	3.30	UCSB	Original project scope entailed removal of fill piles in area, which did not occur. Limited success of plantings. For more info, contact Lisa Stratton at CCBER.
<b>Firestone Drainage Restoration</b>	SB Airport (restoration designed and implemented by URS Corp.)	2005-2007	Riparian/ freshwater wetland project.	None specific	0.60	SB Airport	For more information, contact Andrew Bermond, Airport Planner
<b>Flood Control - Pampas Grass Removal</b>	SB County Flood Control	1994	Riparian/ oak woodland with plantings of sycamore and cottonwood trees.	Pampas grass on the Overeem property	0.72	SB Flood Control (mitigation for creek maintenance activities along Lower Atascadero Creek)	Pampas grass removed as part of the enhancement of the property after it was purchased by SB County Flood Control. Part of the mitigation package for long-term maintenance on Lower Atascadero Creek

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<b>Flood Control - Atascadero Creek &amp; Instream Wetland</b>	SB County Flood Control	1994-1999	Instream freshwater emergent wetland.	none specific	1.00	SB Flood Control (mitigation for long-term maintenance activities along Lower Atascadero Creek)	Total acreage of emergent wetland planting is approximately 1 acre. For more information, contact Maureen Spencer at SB County Flood Control.
<b>Flood Control - Atascadero Creek &amp; Nearby Wetlands</b>	SB County Flood Control	1994-1999	Riparian and emergent freshwater wetland (in newly graded areas).	none specific	5.96	SB Flood Control (mitigation for long-term maintenance activities along Lower Atascadero Creek)	Includes restoration on 10.85 acre parcel purchased by SB County Flood Control in the 1990s. Restoration includes creation of 4.21 ac of emergent wetlands and 1.75 ac of willow/cottonwood riparian habitats. Graded wetland areas are in formerly upland areas dominated by ruderal weeds, south of Atascadero Creek.
<b>Gas Co. Bridge Repair Mitigation Revegetation</b>	Robert Hamilton Consulting Biologist; Darlene Chirman Biological Consulting	1997-2001	Saltgrass <i>Distichlis spicata</i>	Mustard, castor bean, poison hemlock, thistle	0.10	Southern CA Gas Company (mitigation for pipeline activities)	Mitigation for habitat disturbance from Gas. Co Pipeline Support Project. Add'l info available from So Cal Gas Co. 800+ plants installed.
<b>Goleta Beach County Park</b>	SB County Parks. Darlene Chirman Biological Consulting-- Revegetation plan west slough margin	1998 (plan) - 2003 (installation)	Slough margin plants, salt marsh to transitional, coastal sage scrub	Myoporum, ruderal weeds	0.40	Santa Barbara County Parks (likely grant supported)	Implementation by Enviroscaping under contract to Co. Parks. Prior restoration projects in same location were at east end of the park & slough margin (not included here). 700+ plants

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<b>Goleta Slough Habitat Enhancement Project (Map #4)</b>	Santa Barbara Audubon Society	April 2000 - April 2002; 2003-2004	Riparian trees/vine, coastal salt marsh & transitional plants	Pampas grass, castor bean, ruderal weeds, iceplant, Cape ivy	0.75	CREF (SB County-oil mitigation funds) also SPF funds*	Grant \$15,500. Enhancement where Pampas grass removed: "The Pie", N. Jughandle, Atascadero Creek & bikeway, & coastal Bluffs/seep. Add'l funding: SPF est \$7575; 1000+ plants installed
<b>Goleta Slough Pampas Grass Control Project</b>	Santa Barbara Audubon Society	April 1998-Sept 2000	Pampas grass removal (525 plants removed)	Pampas grass	12.00	Cal-IPPC (now Cal IPC); Goleta Sanitary District	Demonstration PG removal & education. Budget: \$54,175 over 3 years. Sites: Gas Co including "The Pie"; Atascadero Creek Bikeway, DFG parcel Supplemental Funding, sewer easement Atascadero Creek Bikesay, GSD
<b>Goleta Slough Pampas Grass Control Project/ Patterson Ag Block</b>	Santa Barbara Audubon Society; SB County Weed Management Area--Ag Commissioner's Office	2001-Dec 2004	Pampas grass removal (82 tons) and revegetate riparian species	Pampas grass	0.75	CDFAggriculture grants to WMA (SB1740); contracts to SBAS	Could have info from Ag Commissioner's Office. Also Rancho Goleta Mobile Home Park. Givens farm Ward Drive; "Diegaard Swamp". \$17,463 CDFA; county match AgCom~ \$10,000. SPF est \$7575.
<b>Growing Solutions</b>	Growing Solutions	2007 - ongoing	Freshwater wetland and upland	Myoporum, giant reed	5.00	Growing Solutions; Southern California Wetlands Recovery Project	Project involves weed eradication and some areas of planting along Hollister Avenue and restoration of areas formerly part of the Growing Solutions nursery. For more information, contact Growing Solutions.
<b>High Marsh Restoration &amp; Slough Margin Enhancement</b>	Santa Barbara Audubon Society	June 2000 - June 2003	High marsh plants: Calif. saltbush (Atriplex californica) Matscale (A. watsonii) Parish's glasswort (Salicornia subter-minale) Sea lavender (Limonium californicum) Woolly sea-blite (Suaeda taxifolia)	Myoporum, iceplant, ruderal weeds	1.00	Coastal Resource Grant Program--AB1431; Garden Club of Santa Barbara; SPF funds*	County of SB served as granting partner; Garden Club of Santa Barbara purchased plants. 625+ plants installed. Budget of \$45,000.

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<b>Mesa Road Tree Planting</b>	UCSB (in conjunction with CCBER)	2007	Riparian and upland tree species	None specific	0.75	Partially funded as mitigation for the El Colegio tree removal	Partner project with Goleta Valley Beautiful. 40+ trees installed. For more information, contact Lisa Stratton at CCBER.
<b>More Mesa Oak Woodland Restoration</b>	SB Co Parks; contractors Mark de la Garza, Darlene Chirman	March 2002-Oct 2002	Coast live oak; riparian & oak woodland species installed	Harding grass, vinca, thistles, fennel & non-native oaks	0.50	Grant to SB County Parks	More Mesa county parcel; oak woodland and streamside invasive weed control. 280 plants installed. Budget Was \$5,640.
<b>North Bluff Restoration - East</b>	UCSB (in conjunction with CCBER)	1997	Coast live oak woodland and coastal sage scrub	None specific	1.00	UCSB	For more information, contact Lisa Stratton at CCBER.
<b>Parking Lot Bioswale</b>	UCSB (in conjunction with CCBER)	2004	Freshwater bioswale plantings	None specific	0.20	UCSB	5,000 linear feet of plantings to absorb parking lot runoff on UCSB's parking lot 38. For more information, contact Lisa Stratton at UCSB.
<b>R-2 Wetland Restoration</b>	SB Airport (restoration designed and implemented by URS Corporation)	2005-2007	Wetland and transitional wetland habitat	None specific	3.40	SB Airport (Mitigation for Airfield Safety Projects)	For more information, contact Andrew Bermond, Airport Planner
<b>San Clemente Restoration</b>	UCSB (in conjunction with Cheadle Center for Biodiversity and Ecological	2006	Freshwater wetland and transitional upland species	none specific	6.4	Mitigation/condition for development of the San Clemente	Storm water management system and wetland restoration project; 2.2 acres of wetland restoration. Also entailed removal of surrounding fill dirt (stockpiled

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<b>Sempra Line 80 Revegetation Project (Map #8)</b>	Sempra(Gas Co) DE Chirman Biological Consulting	Feb 2004- Dec 2006	Coastal marsh plants (e.g. saltgrass, Frankenia, Jaumea) and transitional species (e.g. quail bush, coast goldenbush)	Icelandic weeds e.g. Italian thistle, wild radish, castor bean	0.15	Sempra Energy (Gas Co)	Mitigation for maintenance project on gas pipeline north of Goleta Beach (line 80). Over 900 plants installed. Budget Was \$5,425.
<b>Tecolotito Creek Berm Restoration</b>	SB Airport (restoration designed and implemented by URS Corporation)	2005-2007	Wetland and transitional wetland habitat	None specific	15.10	SB Airport (Mitigation for Airfield Safety Projects)	For more information, contact Andrew Bermond, Airport Planner
<b>Tidal Restoration Demonstration</b>	SB Airport (restoration designed and implemented by URS Corporation)	2005	Pickleweed marsh (tidally influenced)	None specific	10.30	California Coastal Conservancy; SB Airport (Mitigation for Airfield Safety Projects)	Project was partially superceded by the Basin E/F Tidal Restoration Project (listed above), which re-graded the same area and expanded the tidally influenced wetland in these basins. For more information, contact Andrew Bermond, Airport Planner.
<b>Verhelle Bridge Replacement Project</b>	SB Airport (restoration designed and implemented by URS Corporation)	2006	Transitional wetland habitat/ riparian	None specific	0.50	SB Airport	For more information, contact Andrew Bermond, Airport Planner
<b>West Goleta Slough - Phases I - III</b>	California Fish & Game Property sponsored by Land Trust for Santa Barbara County	Planning 2005 on; construction 2009-2011	Transitional wetland habitat, upland, including grassland for benefit of Belding's savannah sparrow and Southern tar plant.	None specific	12.30	US Army Corps of Engineers; Federal Estuary Act Funds; Calif. Wildlife Conservation Board	Project involved remediation of areas of limited impacted soils, removing fill soils and abandoned military bunkers, and creation of 7 acres of new wetland areas. For more information, contact the Land Trust for Santa Barbara County. Budget Was \$2.5M.

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<b>West Storke Wetland Restoration</b>	UCSB (in conjunction with Cheadle Center for Biodiversity and Ecological Restoration)	2006	Upland and wetland	None specific	1.50	So. California Wetland Recovery Project	Restored 1.5 acres of 26-acre parcel. For more information, contact Lisa Stratton at CCBER.

**TOTAL ACREAGE**

**173.38**

Compiled by Darlene Chirman and William Abbott, 2012