

2008 Wetland Tracker Projects--Stream repair and maintenance through April 30, 2009<sup>1</sup>.

This worksheet summarizes information for **stream** repair projects that received the wetland tracker condition in 2008. All project impacts are self-mitigating. These projects do not contribute additional wetland or riparian habitat acreage, although additional habitat enhancement is provided in some projects. Habitat type for all projects is riparian. Italicized entries are estimates derived from maps, drawings, or other spatial information related to the site.

Placeholder record only. Information on these projects appears in the general comp. mit worksheet.											Data not received by April 30, 2009. Not included in project count.	
PROJECT NAME	Applicant	Project type <sup>2</sup>	Monitoring period (years)	Impacted area <sup>3</sup>		Total enhancement		Additional enhancement <sup>4</sup> (Total minus repaired area)		County	Comments	
				ac	lf	ac	lf	ac	lf			
51	Mission San Jose/Vargas Creek											
52	Hillview Project											
53	Bernal Av. Bridge road widening project											
54	San Pablo Dam Seismic Upgrade Proj.											
55	Southbound I-680 Sunol Grade Hov Lane											
56	Moraga Road Pipeline Project											
57	San Ramon Creek, Alamo											
58	Front Street Bank Stabilization Proj	Michael Stella, Danville	SBS	10	0.04	70	0.09	150	0.05	80	Contra Costa	Impacts=.04 ac, 70 LF riparian from placement of rock fill; does not include the 0.02 ac under ACOE jurisdiction mentioned in project size block.
59	Cross connections controls Prj											
60	Isabel Ave./I580 Interchange											
61	Bayfront Park Tidal Wetland Restoration Proj											
62	Tom Fraser, Waldo Point Harbor											
63	Lion Creek Stream Channel Stabilization	Brian Harrington Mills College	SBS	6 months	0.02	40	0.5	150	0.48	110	Alameda	Impacts=.02 ac, 40 lf from removal of non-native species and installation of rip rap. Enhancement=planting of native species. Mitigation.
64	Arroyo Seco Improvement Program											
65	Preserve at Redwood Shores											
66	Azaya Ranch Vineyard Project Phases I and II											
67	Zone 5 Line F-1Plummer Creek Restoration,											
68	Mare Island Northgate Interchange Project											
69	John Muir Drive Erosion Control Project											
70	Zone 6 Line E Bank Failure Repair	Rick Ruiz, Alam.Co, Pub. Wks, Fremont	SBS	2	0.05	70	0.05	70	0	0	Alameda	.05 ac, 70 lf lost, .05 ac, 70 lf e. Impacts from placement of riprap; enhancement through planting of native sagebrush.
71	Keswick Village Project											
72	Zone 2 Line C	Alam.Co, Pub. Wks	SBS	5	0.25	740	0.37	1080	0.12	340	Alameda	Impacts from placement of rock rip rap for bank stabilization. 740 lf enhanced; planting of 330 native shrubs, 10 native trees; 340 lf adjacent buffer habitat also enhanced.
73	20/40 Hilton Court Slide repair/Walnut Creek	Bruce and Tiffany Fong and John and Vistoria Prowznik	SBS	5	0.02	75	0.02	75	0	0	Contra Costa	Impacts from placement of rock wall. Enhancement=revegetation. Total project size from cert: 112 lf; 20 Hilton Court: 40 lf vegetated rock protection; 40 Hilton Court: 72 lf vegetated rock wall.
74	Conn Creek Slide Repair Project	Ahmad Rahimi, CALTRANS	SBS	5	0.017	80	0.028	200	0.011	120	Napa	Impacts from riprap fill. 60 willow cuttings, native plants to be planted.
75	Environmental Volunteers Eocenter Project											
76	DONG RESIDENCE BANK STABILIZATION				Note: this project never completed.							

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				ac	lf	ac	lf	ac	lf		
77 Cedar St. Drainage Project		SBS	5	0.1	20	0.1	20	0	0	San Mateo	Placement of rock rip rap around willow trees for bank stabilization, 401 cert: 0.003 ac, bioengineering bank stabilization
78 Stanford Univ. Water supply enhancements(SHEP)											
79 Caldecott Tunnel Improvement Project											
80 Kirby Hills Natural Gas Storage Facility, Suisun											
81 Sulphur Creek Enhancement Project											
82 Holdener Park Mitigation Project,											
83 Union Sanitary District Force Main Access Improv											
84 Zone 12 Line I Seminary Creek Sediment											
85 Brookside Creek Bank Stabilization	Michael O'Hara, OG Property Owner, LLC	SBS	10	0.03	50	0.13	190	0.1	140	Contra Costa	Impacts from boulders and vegetation to stabilize bank. Mitigation because part of earlier WDR. 105 lf left bank, 60 lf right bank to be revegetated with native shrubs/trees.
86 Belmont Creek Maintenance Dredging Project	Karen Borrmann, City of Belmont	SED	5	0.005	266	0.005	300	0	34	San Mateo	Temporal impacts from sediment removal; 266 lf riparian. Enhancement: 20 willow cuttings along 300 lf
87 Recovery Action Plan for the SF Garter Snake											
88 Alhambra Highlands Mitigation											
89 Alhambra Valley Rd./Vaca Creek Bank Stabilization	Pattie McNamee, Co Co Co Public Works Dept	SBS	5	0.017	50	0.017	50	0	0	Contra Costa	Impacts from placement of rock for repair of a road washout. Revegetation with cottonwood poles, native blackberry and native seed mix.
90 Sediment Removal and Vegetation Trimming in San Pablo and Wildcat Creeks	Adele Ho, City of San Pablo	SED	annual	0.028	120	0.2	400	0.172	280	Contra Costa	Temporary impacts from removal of vegetation and sediment over 120 lf. 400 lf (.2 ac) enhanced.
91 Red Top Road Truck Climbing Lane Project											
92 WHITE HOUSE POOL	Ruth Pratt, Marin Co Dept of Public Works	SED	3	0.15	880	0.15	880	0	0	Marin	Sediment removal to restore fish passage.
93 125 Fox Hollow Rd Bank Repair	Jan M. Sterling, Woodside	SBS	6	0.05	150	0.05	150	0	0	San Mateo	0.05 ac, 150 lf impacted; equal amount restored. Installation of Riprap crib wall and log bins lashed with steel cable; willow and dogwood planting.
94 961-981 Bing Street Bank Stabilization, Cordilleras Creek	Wilsey Bennett, Inc., San Carlos	SBS	6 weeks (during construction)	0.012	75	0.012	75	0	0	San Mateo	Installation of retaining wall and revegetation with native riparian species.
95 Biagi/Kendall Jackson Wine Dist. Ctr											
96 C-17 Assault Landing Zone											
97 Washington Creek Sediment Removal Project	Sonoma County Water Agency	SED	3	0.09	197	0.15	197	0.06		Sonoma	Temporal disturbance of 0.09 ac from sediment removal above and below box culvert to improve flood flow conveyance. Non-mitigation.
98 Vineyard Creek Enhancement	Marin Co. Flood Control & Water Cons. Dist.	DI	5	0.35	2014	1.7	2500	1.35	486	Marin	Enhancement of fish passage through replacement of box culvert, modifying channel bed, enhancing in stream habitat.

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				ac	lf	ac	lf	ac	lf		
99 SR1 Culvert Outfall Repair Project	Caltrans	DI	3 to 4	0.036	38	0.036	38	0	0	Marin	401 cert=Riparian: .036 ac filled. WT form describes temporary impacts to 38 lf riparian, including 981 cu yards of fill, 2930 temp, 3086 permanent square yards impacted. Repair work: outfall replacement, installation of rock slope protection and wire mesh embankment confinement system, replanting of 5 coast live oaks.
100 Larkspur Creek tributary, Gokoffski residence	Anthony Gokoffski	O	0	0.01	100	0.01	100	0	0	Marin	Non-mitigation. 401 cert issued for historical replacement of culvert and repair of fence (2006). Current construction of terracing only temporary impacts. Impact from terracing less than .01 ac approx. 100 lf, per 401 cert ltr.
101 Pulgas Discharge Channel Modifications Project											
102 Salvador Channel Bank Restoration & Erosion Control Project	Rick Tomasser, Napa Co. Flood Control and Water Cons Dist.	SBS	5	1.653	3600	1.653	3600	0	0	Napa	Riparian, 1.65 ac, 3600 lf to be repaired/enhanced through bioengineered bank stabilization, sediment removal, and planting of native riparian vegetation. No loss on WT form, temporary impacts only. Acreage estimated from photographs; width of riparian area ≈ 20 feet.
102.1 New Crystal Springs Bypass Tunnel Project											
102.2 Zone 4 Line A Flood Control Channel Improvements Project	Paul Modrell, Alameda County Public Works Agency	SBS	5	0.76	1230	1.26	1230	0.5	0	Alameda	WT form received August 2009. Data not included in report. Riparian, 1230 lf. Enhancement of fish passage through removal of concrete box culvert and invasive species, planting native plants.
102.3 Benicia Bridge Replacement Project											
102.4 Peralta Creek (Zone 12 Line F) Restoration Project	Paul Modrell, Alameda County Public Works Agency	SBS, DI	5	0.16	360	0.3	360	0.14	0	Alameda	WT form received August 2009. Data not included in report. Riparian: 0.16 ac, 360 lf impacted; temporary; 0.30 ac, 360 lf enhanced. Self-mitigating; banks to be widened, trash/debris removed, installation of boulder step pools, replanting of native vegetation.
# of projects certified				Total impacts		Total enhancements		Additional enhancements			
# of projects with data by 4.30.09				ac	lf	ac	lf	ac	lf		
19				3.847	10225	6.83	11815	2.9835	1590		
Mean (monitoring 4.9411765)				ac	lf	ac	lf	ac	lf		
Mean #				0.183	487	0.325	562.619	0.1421	79.5		
				19	19	19	19	8	8		

1. Data received after 4/30/09 was not incorporated into the tables and figures used in the 2008 staff report. Data in this appendix was last updated in August 2009.

2. Project type codes: SBS=Stream Bank stabilization, SED=Sediment removal, DI=Drainage improvement, VEG=Vegetation management, O=other

3. Repaired area: All projects are self-mitigating, meaning that the amount of habitat impacted equals the amount of habitat enhanced, such that there is no permanent loss of riparian habitat.

4. Additional enhancement: Some projects provided more enhancement than the required 1:1 habitat replacement. These gains are shown in the additional enhancement column.